

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

O.A. No. 606 of 2018

**(In respect of State of Kerala, Tamil Nadu,
Lakshadweep, Puducherry, Andhra Pradesh and
Chandigarh)**

IN THE MATTER OF:

RE: Compliance of Municipal Solid Waste Management
Rules, 2016 and other environmental issues.

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NDOH: 17.11.2022

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Dated: 15.11.2022

New Delhi

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

ORIGINAL APPLICATION NO. 606/2018

(In respect of State of Kerala, Tamil Nadu, Lakshadweep,
Puducherry, Andhra Pradesh and Chandigarh)

IN THE MATTER OF:

RE: Compliance of Municipal Solid Waste Management Rules,
2016 and other environmental issues.

AFFIDAVIT ON BEHALF OF THE RESPONDENT – UNION
TERRITORY OF LAKSHADWEEP

MOST RESPECTFULLY SHEWETH:

I, A.Anbarasu, S/o Shri, Appavoo, about 52 years, working as
Advisor to the Administrator, presently at Union Territory of
Lakshadweep, do hereby solemnly affirm and state as under:

1. That, I am the officer-in-charge in the captioned matter,
appointed by the Union Govt. of India [the “**Answering
Respondent**”]. As such, I am well conversant with the facts
and circumstances of the instant case and, hence, I am
competent to swear the instant affidavit.
2. The submissions on behalf of the Answering Respondent are
as follows:

I. Brief Introduction

- a. Union Territory of Lakshadweep [the “UT”] is
India’s smallest UT, an archipelago consisting of 36
islands with an area of 32 sq. km. It is a uni-district
Union Territory and comprises of 12 tolls, 3 reefs, 5




submerged banks and 10 inhabited islands. The islands have a total area of 32 sq. km. The capital is Kavaratti and it is also the principal town of the UT. All Islands are 220 to 440 km away from the mainland.

- b. Total population of Lakshadweep as per 2011 census is 64,473. The total population growth in this decade was 6.30 percent while in previous decade it was 17.19 percent. The population of the UT forms 0.01 percent of India in 2011. In the UT of Lakshadweep there is one Village (Dweep) Panchayat in every inhabited island and a District Panchayat for entire territory of Lakshadweep.
- c. The population as per the census 2011 of each island is as follows:

Sl. No.	Island	Population
1	Agatti	7560
2	Amini	7656
3	Androth	11191
4	Bitra	271
5	Chetlat	2346
6	Kadmath	5389
7	Kavaratti	11221
8	Kalpeni	4419
9	Kilthan	3946
10	Minicoy	10474

II. Proceedings before the Hon'ble NGT

- a. Order dated 14.05.2019
- 


That, vide order dated 14.05.2019, in the present matter, the Hon'ble Tribunal with respect to the UT of Lakshadweep observed as follows and passed directions as follows:

"30. A status report has been filed on 13.05.2019 on behalf of Union Territory of Lakshadweep indicating status of compliance of order dated 16.01.2019. The compliance report indicates some of the steps taken for solid waste management. Status of compliance of Plastic Waste Management Rules, 2016, Bio-medical Waste Management Rules, 2016, polluted river stretches and air polluted cities have also been mentioned.

31. Some steps claimed to have been taken by the Union Territory of Lakshadweep, as stated in the status report, are:

i. Forty four Waste Assessment Workers and 330 sweepers are working under the Schemes 'Sanitation, Health and Hygiene and "Non-Biodegradable waste Collection and Scientific Disposal". The scheme is implemented through the casual labour sponsored by the respective Village Dweep Panchayats and is under the supervision of the officer of Department of Environment & Forest of the concerned Island.

ii. New scheme Swachh Lakshadweep Abhiyan consists of 18 components and an amount of Rs. 7.45 crore was allotted for each of the component under the UTL budget, 2019-20.



iii. UTLA had prepared and endorsed the Integrated Island Management Plan (IIMP) through the Ministry of Environment & Forests and Climate Change, Government of India, New Delhi under Island Protection Zone Notification, 2011.

iv. The IIMP identifies and set up solid waste processing and disposal facilities for each inhabited Islands.

v. The UTLA declared as Industrial Free Zone by the Government of India. No plastic manufacturing units are working in the territory. The non-biodegradable waste including plastic reaches from local usage and almost all waste is collected and disposing through the system instituted by the government. In addition the cement bags reaching through transportation of construction materials are taken care by Lakshadweep Public Works department in government sector.

vi. The department of Environment & Forest have conducted capacity building for 374 Sanitation workers (Panchayat Labourers) for the proper collection, segregation, transportation and incineration of waste during the year 2014-15. Funds are allocated and conducting. Wildlife exposure tours regularly once in a year to school children/ NGO's/SHG's to mainland to see and understand different waste



management/wildlife areas from the remote locality.

32. From perusal of the compliance report and after hearing submissions of the Union Territory of Lakshadweep, we find that steps required to be taken under Rule 22 of the Solid Waste Management Rules, 2016 have not yet been fully completed. It is not clear whether the local bodies have submitted their annual reports to the Pollution Control Committee (PCC) under Rule 24 and whether PCC has submitted consolidated annual report to the Central Pollution Control Board (CPCB) under the said Rules. We have also found the steps taken for plastic waste management and bio-medical waste management to be inadequate.

33. From the compliance affidavit furnished by the Advisor to the Administrator, huge gap is noticed in the steps taken and the steps required to be taken in terms of the Rules and for ensuring sustainable development. Unless such steps are taken, the unsatisfactory state of environment in the country in general and in the Union Territory in particular may not improve.

IV. DIRECTIONS:

45. In view of above, after discussion with the Advisor to the Administrator, following further directions are issued:

i. The Advisor to the Administrator may personally monitor the progress, atleast once in a month and ensure that the entire UT is made

compliant with the environment norms within next six months.

ii. A quarterly report be furnished every three months. First such report shall be furnished by August 10, 2019.

iii. The concerned officers may be imparted requisite training.

iv. Estimate of value of environmental degradation and cost of restoration be prepared and compensation be planned and recovered from polluters for environmental restoration and restitution on that basis.

v. Performance audit of functioning of regulatory bodies may be conducted and remedial measures be taken, within six months.

vi. Introduction of a policy of giving ranking, based on performance on the subject of environment and giving of rewards or other incentives on that basis to individual areas, localities, institutions or individuals may be considered. This may also include encouraging students or other citizens significantly contributing to the cause of environment. The best practices may be evolved, if necessary, in the light of experiences on the subject. This may help in educating and involving public at large which may help in enhancing of environmental laws.

vii. Advisor to the Administrator may remain present in person before the Tribunal with the status of compliance in respect of

various issues mentioned in para 22 as well as any other issues discussed in the above order on 27.11.2019. It is made clear that Advisor to the Administrator may not delegate the above function and the further requirement of appearance before this Tribunal to anyone else. However, it will be open to him to change the date, by advance intimation by e-mail at ngt.filing@gmail.com to adjust their convenience."

This Hon'ble tribunal has thereafter been examining the progress reports from time to time.

b. Order dated 30.11.2021

In order dated 30.11.2021, this Tribunal observed that in so far as UTL is concerned, there was 100% segregation and transportation of MSW (as per the report of CPCB dated 25.10.2021).

c. Order dated 21.07.2022

While examining the matter w.r.t. UTL, this Hon'ble Tribunal examined the compliance status by the UTL and directed that there is a need to design and adopt methods evolved by DRDO on bio-toilets, following safe usage of digested material. Similarly, for bio-degradable solid waste, the stabilization of such waste can be preferred through Organic Waste Converter (OWC), bio-methanation compact plants

and also technologies like NISARGUNA developed by BARC. With these suggestions, this Hon'ble Tribunal closed the proceedings against UTL.

d. Order dated 07.09.2022

While examining the progress with respect to the State of West Bengal, this Hon'ble Tribunal noted huge gap in implementation. Accordingly, in the interest of environment, notice was issued to UTL alongwith other States and UTs to respond as to why similar directions as passed for the State of West Bengal should not be passed for these States/UTs.

It is submitted that to respond to the same, the significant aspects of the regular progress reports of the UTL are produced herein below for the ease of reference:


e. Quarterly Reports by UT of Lakshadweep

1. Report in compliance of order dated

16.01.2019

i. UTL in consultation with various stakeholders prepared and approved 'Swachh Lakshadweep Abhiyan' with 8 goals aimed at implementation of SWM Rules and Swachh Bharat Mission.

ii. For solid waste, 4 key goals were enumerated viz, provision of sanitary toilet



and prevention of contamination of groundwater in Lakshadweep, polythene free Lakshadweep, bio-degradable waste collection and management at household level and generating awareness among all stakeholders and sensitising them come over implemented through the policy document action plan on Swatch Lakshadweep Abhiyan.

- iii. Coconut by-products were major waste (97 percent) in waste stream.
 - iv. Total 3417 community bins were placed for collection of non-biodegradable waste from all islands.
 - v. The report provided detailed island wise availability of non-biodegradable waste bins and incinerators.
 - vi. UTL displayed the progress made on all the issues in its official website and also that of the Lakshadweep Pollution Control Board.
- True copy of the Report in compliance of order dated 16.01.2019 is annexed herewith and marked as **Annexure A**.

**2. Report in compliance of order dated
14.09.2019**

Solid Waste Management

- i. The Department of Environment and Forest placed order for 10 incinerators with a capacity for 100, 50 and 25 kgs for all 10 inhabited island for the purpose of disposing non-recyclable and non-bio-degradable waste. Out of this, 5 incinerators have been supplied in islands of Kavaratti, Agatti, Amini, Andrott and Minicoy.
- ii. Door to door collection of waste was started from 22.07.2019 and Department was collecting segregated solid waste from all 2418 houses present in the island. Orders were placed for procurement of waste bins for collection of bio-degradable and non-biodegradable waste at Kavaratti Island.
- iii. To handle coconut by-products waste and leaf litter, it was proposed to procure shredder for coconut leaves and wood at Kavaratti.
- iv. Reports under the Rules were duly submitted by the UT.

True copy of the Affidavit alongwith Compliance Report is annexed herewith and marked as **Annexure B.**



**3. Third Quarterly Report in Compliance to the
order dated 16.01.2019 and 14.09.2019**

Solid Waste Management

- i. For collection of non-biodegradable waste, 4686 community bins of 150 lts. Capacity have been installed at strategic places.
- ii. The non-recyclable waste is going to incinerators wherever installed and commissioned and recyclable waste after item wise segregation is transported to the mainland.
- iii. In last quarter from November, 2019 to January, 2020, 143 MT of recyclable waste has been transported.
- iv. For biodegradable waste, processing facilities were developed at Kavaratti.
- v. Door to door collection was successfully implemented in Kavaratti in 3 months and the model was proposed to be replicated in other 9 remaining islands.
- vi. Solid waste incinerator at Kavaratti was commissioned and about 9 MT of non-biodegradable waste disposed. Installation of incinerator at Agatti was completed.



- vii. 610 MT of legacy waste has been removed and transported from all islands to mainland in 2018-19.


STP and Use of treated water

- i. For treatment of faecal waste, UTL successfully implemented bio-toilets in 3 islands.
- ii. It was proposed to explore possibility of centralized Septage Treatment Plant at Kavaratti for processing night soil from septic tank after retention period.

True copy of the Third Quarterly Report in Compliance to the order dated 16.01.2019 and 14.09.2019 is annexed herewith and marked as **Annexure C**.

4. Fourth Quarterly Report in Compliance to the order dated 16.01.2019 and 14.09.2019 (for the period 01.02.2020 till 02.05.2020)

Solid Waste Rules Compliance

- i. The Department of Environment has been working full time for segregation and collection of biodegradable and non-biodegradable waste. However, the disposal of NBW non-recyclable waste to the mainland was affected due to lockdown.
- 

- ii. In pursuance to the Solid Waste Management Byelaw 2018 user fee had been notified from 01.04.2020 the collection of user fee has begun since 01.05.2020.

True copy of the Fourth Quarterly Report in Compliance to the order dated 16.01.2019 and 14.09.2019 (for the period 01.02.2020 till 02.05.2020) is annexed herewith and marked as **Annexure D.**

5. Sixth Quarterly Report in Compliance to the order dated 16.01.2019 and 14.09.2019 Solid Waste

- i. Department of Environment and Forest conducted awareness programmes such as Swachh Hi Seva- Voluntary Cleaning Programme from 17.09.2020 to 02.10.2020, beach cleaning programme, lagoon cleaning programme.
- ii. Two 100 kg incinerators were installed and commissioned at Kavaratti and Agatti.
- iii. Krishi Vigyan Kendra developed a successful model for household composting.
- iv. With respect to use fee and amount of Rs. 82,640/- was collected for May and August 2020.



True copy of the Sixth Quarterly Report in Compliance to the order dated 16.01.2019 and 14.09.2019 is annexed herewith and marked as **Annexure E.**

6. Seventh Quarterly Report in Compliance to the order dated 16.01.2019 and 14.09.2019 (for the period 01.11.2020 till 31.12.2020)

Solid Waste

- i. A mass cleaning event was organized by Department of Environment and Forests as Swachh Lakshadweep Utsav 2020 in all islands.
- ii. An amount of Rs. 73,740/- was collected as user fee from household establishments for the month of September to December 2020.
- iii. UTL procured 12 e-carts for transportation of non-biodegradable waste from waste bins to Central garbage Depository.
- iv. Coconut leaf shudder cum pulveriser machine was procured and installed at Kavaratti for disposal of coconut waste.
- v. SWM Parks were established at Kavaratti and Androth.
- vi. 2 bins of 150L capacity were placed for napkins and diaper disposal.

- vii. Handicraft emporium established for showcase of items prepared by coconut wastes.

Sewage Treatment

- i. The Department of Environment and Forests proposed to implement a Pilot Project on Faecal Sludge and Septage Treatment Plant at Kavaratti Island in order to manage and dispose off septage from existing septage tanks.

True copy of the Seventh Quarterly Report in Compliance to the order dated 16.01.2019 and 14.09.2019 (for the period 01.11.2020 till 31.12.2020) is annexed herewith and marked as **Annexure F**.

7. Report in Compliance to the orders dated 16.01.2019 and 31.05.2022

- i. Total quantity of MSW- 6 TPD biodegradable wastes (especially from kitchen waste) and 12 TPD are non-biodegradable wastes.
- ii. Quantity of solid waste collected- 12 TPD non-biodegradable wastes. Kitchen waste are reused at household levels.

- iii. 12 TPD NBD wastes are transported to common depository site and the same has been transported to mainland for final disposal. 6 TPD of kitchen waste are treated in household level such as feeding animals like cows, goats, hens and biogas.
- iv. There was no gap in generation and processing.
- v. Further, there was no dumpsite in the UT. Central Garbage Depository site is operating as temporary site for non-biodegradable waste which are regularly segregating manually.
- vi. Quantity of sewage generation in the UT was provided in the port as well. It was stated that the island does not have any major industries or factories and outflow of sewage is only from household and private and government establishments. There was zero gap in treatment of MLD.

True copy of the report is annexed herewith and marked as **Annexure G**.

IV. Present Status

Pursuant to the aforesaid reports, the work is going on in UTL continuously. The present status is as follows:

A. Solid waste management:



- i. Solid waste generation in the UT of Lakshadweep islands is 18 tonnes per day (TPD). (12 TPD non-biodegradable wastes and 6 TPD biodegradable wastes specially kitchen wastes).
- ii. All the inhabited islands, Village (Dweep) Panchayat are coordinating waste management by placing 4686 community bins of 150 litre capacity at nearby houses.
- iii. Non-biodegradable waste that are collected from households are sorted and packed in common depository site and segregated non-biodegradable waste viz. scrapes, plastic bottles, rubber and chapels, hard plastic, ceramics etc. are transported to recyclers at mainland (Kerala).
- iv. Lakshadweep Administration has imposed ban on all type plastic pick up carry bags and also sale and usage of identified 23 items of single use plastics.
- v. A three-tier committee at state, district and island level is constituted to monitor the activities under the action plan on elimination of identified single use plastics in Lakshadweep.




- vi. UTL Administration has conducted frequent awareness among the public in the reduction and management of plastic wastes.
- vii. Biodegradable waste generating in each house are very meagre and people are encouraged to manage their biodegradable wastes at household level such as feeding for the animals like cow, goat, hen etc.
- viii. 43 numbers of biogas plants (1m^3 and 2m^3) are functioning for the management of kitchen wastes.
- ix. Coconut residues are used by the people of island for various needs and not thrown away as waste.
- x. No uncontrolled garbage dumpsite and sanitary landfill site in the UT of Lakshadweep.

B. Liquid/sewage waste management:

Estimated sewage generation in the UT of Lakshadweep (MLD): 2.8 MLD

Sl No	Name of the island	Total population (census 2011)	Estimated sewage generation in MLD
1	Agatti	7560	0.33264
2	Amini	7656	0.336864
3	Androth	11191	0.492404
4	Bitra	271	0.011924

5	Chetlat	2345	0.10318
6	Kadmat	5389	0.237116
7	Kavaratti	11221	0.493724
8	Kalpeni	4419	0.194436
9	Kilthan	3947	0.173624
10	Minicoy	10474	0.460856
Total		64473	2.836768

- i. The islands do not have any major industries or factories.
 - ii. Main source of outflow of sewage in the island includes individual households, private commercial establishments and government establishments.
 - iii. All the households in Lakshadweep have septic tanks and soak pits for faecal waste and separate soak pits for non-faecal waste water management.
 - iv. UTL has implemented 1618 bio-toilets in three islands of Andrott, Kavaratti and Bitra.
 - v. UTL Administration has proposed to explore possibility of centralized septage treatment plant at Kavaratti for processing of night soil from the septic tank after retention period. Tender has been floated for commissioning of 5 KLD Septage Treatment Plant (MBBR technology). Technical evaluation is under progress.
 - vi. At present in the UT of Lakshadweep, a sewage treatment plant (STP) is at Bangaram island resort with a treatment capacity is 0.024 MLD.
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vii. One sewage treatment plant at INS Dweep prakshak at Kavaratti is under construction and one proposed at Naval Detachment, Minicoy.

viii. In addition, as suggested by the Hon'ble NGT vide order dated 21.07.2022, Lakshadweep Administration is examining the feasibility in the matter by innovative approach in Organic Waste Converter (OWC), bio-methanation compact plants and also technologies like NISARGUNA developed by BARC.

V. Conclusion

Thus, from perusal of the aforesaid, it is submitted that the UT of Lakshadweep is fully committed to the cause of environment protection and compliance of various waste management rules and order of this Hon'ble Tribunal. The management of waste is a constant work in progress and the UT is diligently working towards the same relentlessly. Successive progress reports indicate that several issues such as door-to-door collection, management of coconut waste have been tackled with complete success. The UT has also taken steps from time to time to create awareness and ensure participation of local population and stake holders. It is further most respectfully submitted that the UT of Lakshadweep will continue to furnish periodical compliance reports to the



CPCB and/or this Hon'ble Tribunal as directed by this Hon'ble Tribunal from time to time.

3. That the Hon'ble Tribunal may pass appropriate directions in light of the submissions made hereinabove.
4. That the Answering Respondent craves leave of this Hon'ble Tribunal to file a more detailed affidavit as and when required by this Hon'ble Tribunal.
5. That the annexure(s) annexed herein are true copies of their respective original.
6. That the present affidavit is bona fide and in the interest of justice.

DEPONENT

Advisor to the Administrator
U.T. of Lakshadweep
Kavaratti-682555

VERIFICATION

Verified at Kavaratti, UT of Lakshadweep, on this the 9th day of November 2022 that the contents of my above affidavit are true and correct, based on the records maintained by the Lakshadweep Pollution Control Committee, Department of Science & Technology of Union Territory of Lakshadweep, and that no part of it is false and nothing material has been concealed

therefrom.



EXECUTED & SIGNED IN MY PRESENCE
ON 09/11/2022 AT Kavaratti
ATTESSED
C.N. NOORUL HIDAYA
ADVOCATE & NOTARY
GOVT. OF INDIA, Area Lakshadweep
Reg.No: 17155, Expiry -Date-22/10/2024

DEPONENT

Advisor to the Administrator
U.T. of Lakshadweep
Kavaratti-682555

ANNEXURE A

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI

0.A NO. : 606 OF 2018

IN THE MATTER OF:-

Compliance of Municipal Solid Waste Management Rules, 2016

NODH: 14 / 05 /2019

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NATIONAL GREEN TRIBUNAL
Principal Bench, New Delhi
Filing Section
Dairy No. 1319/19
13 MAY 2019
Fee: 0
Signature of the Receiving Officer

	constituted under the Chairmanship of Secretary Health Services , UTLA .	
7	<u>Annexure-R-6</u> A copy of the letter dated. 24.04.2019 with regard to the Management Action Plan prepared by Department of Health Services under Bio- Medical Waste Management Rule, 2016 and submitted to the Central Pollution Control Board.	37
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Through

Rajesh Kumar Das
Rajesh Kumar Das

Legal Counsel for Lakshadweep Administration
B-244, LGF, G.K. PART-1,
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BEFORE THE HONOURABLE NATIONAL GREEN

L,

PRINCIPAL BENCH AT NEW DELHI

Original Application No 606/2018

In the matter of:

Compliance of Municipal Solid Waste Management Rules, 2016

REPORT OF ADVISOR TO THE ADMINISTRATOR UNION
TERRITORY OF LAKSHADWEEP, INDICATING COMPLIANCE TO
ORDER DATED 16.01.2019.

MOST RESPECTFULLY SHOWETH:-

I, Asar Pal Singh, S/o Sh. Jagat Singh, Age 62, holding post as Residential Commissioner of Union Territory of Lakshadweep having its office at Lakshadweep House, Chanakyapuri, New Delhi, as authorized by Hon'ble Administrator do hereby solemnly affirm and declare as under :

1. That the afore-cited matter relates to Municipal Solid Waste Management and was listed on 16.01.2019 wherein various directions have been passed to all the States. The relevant directions to Union Territory of Lakshadweep on vital issues have been reproduced and the status has also been mentioned thereafter every direction as under:-

Accordingly, we direct the Chief Secretaries / Administrators of all States and UTs to review the progress on all the above issues and for the purpose, hold first meeting within one month from today. After the Chief Secretaries have



monitored the matters, the Status Reports of compliance and immediate future plans may be presented / filed before this Tribunal. For this purpose, we direct the Chief Secretaries to remain present in person along with their reports on different dates mentioned below starting from 1st March, 2019 at 2.00 PM.....”

<i>S. No</i>	<i>State / UT</i>	<i>Date of Meeting</i>
<i>36</i>	<i>UT of Lakshadweep</i>	<i>02.05.2019 extended to 14.05.2019 as per request</i>

In compliance to afore-cited directions, enclosed is the report of the Advisor to the Administrator, Lakshadweep.

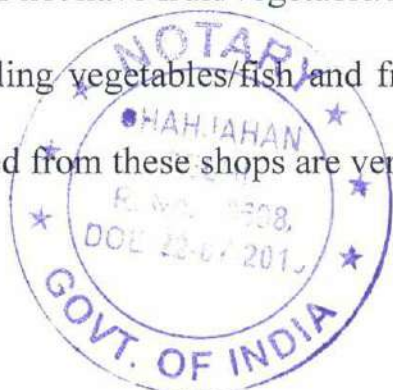
REPORT IN COMPLIANCE TO ORDER DATED 16.01.2019

Background:

Union Territory of Lakshadweep(UTL)is India’s smallest UT comprising of a group of 36 coral islands and islets randomly scattered in the Arabian Sea at a distance of about 287 to 483 Km off the west coast of Kerala. These Islands are geographically isolated from mainland as well as from each other. Total land area of Lakshadweep is 32 Sq.Km. It has a lagoon area of 4200 Sq.Km, territorial waters of around 20,000 Sq.Km and has 4 lakh Sq.Km Exclusive Economic Zone. Out of 36 Islands, only 10 Islands are inhabited. The smallest and the largest among the Islands are 0.1 Sq.Km and 5 Sq.Km respectively. All ten inhabited Islands are categorized as “rural” and the population in these islands is between 252 to 11000. The total population of the Islands is 64,429 as per 2011 census. There are around 12000 household in UTL.



2. The UTL has constituted Panchayth system in all inhabited islands. There are 10 Village (Dweep) Panchayaths, one in each inhabited islands and one District Panchayath for the whole of Lakshadweep. The Village (Dweep) Panchayth and District Panchayath consists of 85 and 24 members respectively. A total of 85 wards are present in 10 Village (Dweep)Panchayath.In Lakshadweep there is no Nagara Palika, Nagar Nigam or Municipal Corporation etc.
3. The UTL has 1 District Government Hospitals, 2 Sub District Hospital, 3 Community Health Centers, 4 Primary Health Centers and 15 Sub Centers with total bed strength of 250 over the 10 Islands. In terms of health indicators such as birth & death rates and infant mortality rate, the UTL stands ahead of the national average with 14.30%, 6.4%and 25% respectively during the year 2010-11.
4. Lakshadweep is a no-industry area. It has neither large scale industries nor medium scale industries. There are also no public sector units.
5. The UTL does not have slums, informal settlements, commercial, institutional and other nonresidential premises. It does not have big commercial complexes, malls, housing complexes etc. in any of the Island. All the private houses are scattered in the Islands and independent of each other. Recently the government started the construction of multi storied government quarters.
6. UTL does not have fruit/vegetable/fish market as in the mainland. Retail shop keepers are selling vegetables/fish and fruits at their own individual outlets. The wastes generated from these shops are very minimal.



7. The UTL has appointed Department of Environment & Forest as Nodal Department to implement Biodegradable/Non Biodegradable waste in UTL since 2014.

Compliance to SWM Rules 2016

8. As envisaged in Rule 11 (a), the UTL Administration in consultation with various stakeholders viz. Panchayat raj institutions, Self Help Groups, Non Governmental Organizations, Government departments, natives etc., had prepared and approved “*Swachh Lakshadweep Abhiyan*” – a policy and strategy document in line with national guidelines on *Swachh Bharat Mission* (SBM) of the Ministry of Urban Developments and Solid Waste Management Rules, 2016. These Rules were endorsed and published in the official website of the Administration on 24th December, 2014. The said policy documents are also in line with the National policy on Solid Waste Management and National Urban Policy of the Ministry of Urban Developments, Government of India. The “*Swachh Lakshadweep Abhiyan*” developed 8 visions / goals under its strategies and the same is enlisted as below:

(i) Ensure the protection of public health and aesthetic beauty of surrounding environment.

(ii) Utilize environmentally sound methods that minimize waste generation and conserve and recover resources from the waste.

(iii) To adopt the best environmental practices in ecological waste & sanitation management to ensure the proper collection, transportation, storage, segregation, treatment and disposal of solid wastes in Islands.

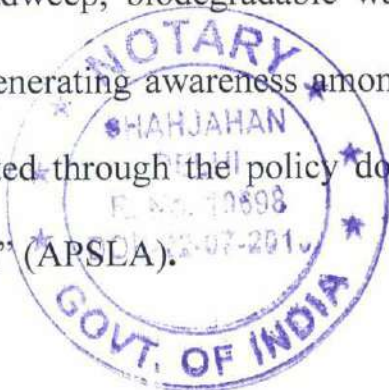
(iv) Create plans, guidelines and targets for the reduction of volume of solid wastes at source through composting, reuse, recycling and recovery.



- (v) Provide bio toilets to all households in Lakshadweep and public places under the scheme.
- (vi) Enter into cooperation with State Governments / Expert Institutions / NGO's /SHG's in awareness creation with implementation of the program through education and awareness.
- (vii) Prevent contamination of available fresh ground water in Lakshadweep Island.
- (viii) To equip government officials/ Panchayat raj institutions and other stake holders through capacity building and training in relevant field.

9. Action plan for solid waste management for Lakshadweep: In pursuance of an Order dated 22nd December, 2016 of the Hon'ble National Green Tribunal, the UTL Administration has prepared an "Action plan for solid waste management for Lakshadweep" under the policies, strategies and Solid waste Management Rules, 2016. Forty four Waste Assessment Workers and 330 sweepers are working under the Schemes 'Sanitation, Health and Hygiene' and " Non Biodegradable Waste Collection and Scientific Disposal". The scheme is implemented through the casual laborers sponsored by the respective Village Dweep Panchayats and is under the supervision of the office of Department of Environment & Forest of the concerned Island.

10. It is submitted that 4 key visions/goals enumerated above viz., provision of sanitary toilet and prevention of contamination of ground water in Lakshadweep, polythene free Lakshadweep, biodegradable waste collection & management at household level and generating awareness among all stakeholders and sensitizing them; were implemented through the policy document "Action Plan on Swachh Lakshadweep Abhiyan" (APSLA).



11. The UTL considered as consumer state and all essential commodities reaching through Cochin, Calicut and Mangalore port except fish and coconut. The Coconut by products are the major waste (97%) in the waste stream. The coconut by products are used for domestic fuel consumption except Kavaratti, Minicoy, Kadmat and Agatti islands where LPG has been introduced by the Government, recently. The major biodegradable waste from domestic households includes left out garbage peels, rice, fish waste etc. and are managed by the households in its generation site through backyard poultry, gardening compost and by rearing cattle and sheep in their house itself. The following steps are taken by the UTLA for the management of Bio Degradable waste in the territory is as below.

Quantity of non-bio degradable (NBD) and biodegradable waste (BD) waste collected in various islands during the year 2018-19

Sl.No.	Name of Island	Quantity of NBD waste and BD wastes collected in various islands (Kgs)	
		NBD waste	BD waste
1	Agatti	23247	10975
2	Amini	13124	68817
3	Bitra	85701	0
4	Andrott	1765	113190
5	Chetlat	6587	6484
6	Kadmat	68757	46000
7	Kalpeni	15340.71	76639.5
8	Kavaratti	125791.6	49547
9	Kiltan	58415.5	38950
10	Minicoy	32762	34459
Total		431490.81	445061.5
Total in tons		431.49	445.06
Average Waste generation per day in tones		1.18	1.21



12. Identification and Management of Prime important, important and least important localities in islands: The department of Environment & Forest identified all the Prime important, important and least important localities with the help of local panchayat raj institutions as per the guidelines drawn by the department during the year 2014-15. The department also recruited and posted 256 Swachh Karmachari's on contract basis for the management of the identified areas through sweeping, collection, segregation and scientific disposal of the bio degradable waste. All the sweeping waste are presently handing over to Agriculture department for composting in all islands.

13. Implementation of Open Defecation Free (ODF) in Islands: A total 11,147 households are available in Lakshadweep as per ODF survey during the year 2014. A total of 11,134 household have individual toilets in islands. UTLA provide toilets to 132 household during the year 2017-18. The left out 13 households are using shared toilets due to non-availability of land in the islands. The UTLA provided 262 toilets to temple/mosque under CSR fund received from Kochi and Bombay Shipyard Limited during the year 2018-19.

14. As mandated by Rule 11 (d) of the SWM Rules, for ensuring proper implementation of the Policy, the UTLA had made two tier institutional framework under the APSLA to monitor the activities initiated for Solid Waste Management.

a) State Level Committee under the Chairmanship of Secretary, Environment & Forest, UTLA and

b) Island Level Committee under the Chairmanship of Deputy Collector / Sub Divisional Officer of respective Island. (page 57 to 59 APSLA)

15. Pursuant to Rule 15(e), the UTL has notified **Solid Waste Management and Sanitation Conservancy Bye-Law** 2018 under the Solid Waste Management Rules, 2016 and has published the same. The department has incorporated all the requisite



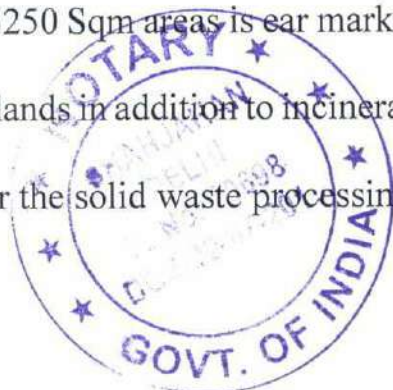
and necessary provisions viz., user charges, prohibitions, sanitation zone, power to issue direction, penalty for the contravention of the bye-law, cognizance of offence etc. and the same is under implementation. Copy of the Bye law is annexed as

Annexure-R1

16. Allocation of Budget: During the financial year 2018-19, the UTLA established a new scheme *Swachh Lakshadweep Abhiyan* by merging two earlier schemes which were operational in the Islands viz., 'Sanitation Health & Hygiene' and 'Non-Biodegradable Waste Collection & Disposal'. The new scheme consists of 18 components and an amount of Rs. 7.45 crore was allotted for each of the component under the UTL budget, 2019-20.

17. Further, the UTLA had prepared and endorsed the Integrated Island Management Plan (IIMP) through the Ministry of Environment & Forests, Government of India, New Delhi under Island Protection Zone Notification, 2011. The IIMP identifies and set up solid waste processing and disposal facilities for each inhabited Islands. The islands are scattered from one another and no land fill is existing in any of the islands. Regarding stipulations under various sub clauses of Rule 11 regarding recognition and empowerment of waste pickers, it is respectfully submitted that, the UTLA do not have organized or informal sector of waste collectors, waste pickers in any of the Islands in Lakshadweep.

18. Compliance of Rule 11(f) and (h) regarding identification of site for disposal facilities, the department of Environment & Forests has 10 Central Garbage Depository (CGD) sites and 9 incinerator sites (except in Bitra Island) for collection, segregation and incineration of solid wastes generated in the Islands. A total of 15250 Sqm area is earmarked as Central Garbage Depository collectively in all the Islands in addition to incinerator site functions under the department. No buffer zone for the solid waste processing and disposal facilities are required as per Sub section



(l) of Section-11 of Solid Waste Management Rule, 2016. The UTLA has ensured 100% source segregation of Non Biodegradable waste.

19. The department is collecting non-biodegradable wastes from bins placed at designated points in each ward. A total of 3,417 community bins are placed by the department of E&F for the collection of non-biodegradable wastes from all the Islands. All other biodegradable wastes generated in household level are disposed by the stakeholders in the generation points itself. Noncommercial establishments / malls are present in Lakshadweep.

20. Regarding waste segregation and sorting of recyclable materials as provided in rule 15(h), UTLA is recognized as an Industrial Free Zone by the Government of India. The casual labourers engaged by the department segregates the non-biodegradable wastes collected from the Islands, every day. There does not arise a need for secondary storage spaces for storing the recyclable materials. The recyclable materials are transported to Cochin through mechanized barges as per the memorandum of understanding between Cochin Corporation and UTL Administration. A total of 4,36,955 Kg of recycle materials were transported to the mainland in 19 barges operated from Island to mainland during the year 2018-The department has sufficient space and facilities (CGD's) to sort the recyclable materials from other non-biodegradable waste in each Island.

21. Regarding the duties of Rule 15(i) and 15(j), it is submitted that the UTLA do not have separate domestic waste hazardous centers at present. The land areas in islands are minimal and the quantity of domestic hazardous waste generation is negligible in each island. In any case the State Level Advisory Board (SLAB) in their first meeting decided to set up Domestic Waste Hazardous depository center within the Central garbage Depository available for department in each island.

Compliance of Plastic Waste Management Rules:



22. Non-biodegradable wastes (mainly plastic) generated are collected by the Department of Environment & Forests by providing bins at site specific locations. A total of 4686 community bins are provided by the department. The wastes so collected are transported to central Garbage depository (CGD) maintained in each island. The Non-biodegradable wastes are then segregated by the labourers. The department facilitates transportation of recyclable materials derived from waste materials to mainland for reuse. The residual materials at CGDs, which are non-recyclable and non-incinerating, are used for filling up base for new constructions in the Islands. In accordance Bye-Law 4 of Lakshadweep Sanitation and Conservancy Bye-Law 1998, the Administrator, UT of Lakshadweep prohibited import and or use of polythene and plastic materials for packing and carrying of consumer goods in the whole of UT of Lakshadweep. In the UT of Lakshadweep, there are no plastic manufacture units.

23. Collection, Segregation, Transportation and incineration of NBDW at Islands: The UTLA started management of Non-bio degradable waste from the year 1998 onwards, considering the immense threat and paucity to the eco sensitive region around the islands. The non- bio degradable waste such as glass, polyethene, plastic etc. are regularly managed by the UTLA by placing community bins in appropriate localities. A total of 4686 community bins are provided by the department and the island wise details are shown below.



NON-BIO DEGRADABLE WASTE BIN AVAILABILITY IN ISLANDS

Island	Geographical Area (sq.km)	Total Population	No .of Households	Waste bin placed in each island
Minicoy	4.39	10444	2200	586
Kalpeni	2.79	4418	815	248
Andrott	4.84	11191	1944	1020
Agatti	3.84	7560	1212	231
Kavaratti	4.22	11210	2485	1578
Amini	2.59	7656	1035	325
Kadmat	3.12	5389	985	285
Kiltan	1.63	3945	741	220
Chetlat	1.04	2345	626	139
Bitra	0.10	271	27	50
Total	28.56	64429	12070	4686

24. **Availability of Incinerator:** The plastic wastes so collected are transported to Central Garbage depository (CGD) with incinerator maintained in each Island except Bitra Island. The plastic waste collected from waste bins are segregated at incinerator site. The status of incinerator site in each island are shown below.

DETAILS OF INCINERATOR'S IN ISLANDS WITH CGD FOR NBDW SORTING & DISINTEGRATION

Sl. No	Name of Island	Survey No	Area of Land (sq.m)	Property
1	Amini	44/8	250	On lease
2	Agatti	145/2	500	Government
3	Andrott	581/1 Part	400	Government
4	Chetlat	180/6	300	On lease
5	Kadmat	7/13A and 14 A	400	Government
6	Kalpeni	31/12	375	On lease
7	Kiltan	205/20	780	On lease
8	Kavaratti	972	1200	On lease
9	Minicoy	7/2A	1000	Government
10	Bitra	Nil	Nil	Nil

25. The department made facilitates for the transportation of recyclable materials derived from waste materials to mainland for reuse. The pickup carry bags/polythene packets are incinerated by the department in the incinerator installed by UTLA in 9 islands. The residual materials at CGDs, which are non-recyclable and non-incinerating, are used for filling up base for new constructions in the Islands. The



quantity of recyclable waste materials transported to mainland during the year 2017-18 and 2018-19 are shown below.

Quantity of recyclable waste materials transported to mainland (Swachh Recovery Center, Kochi) during the year 2017-18 and 2018-19

Sl.No.	Name of Island	Quantity of items segregated wastes transported for recycling (Kgs)	
		2017-18	2018-19
1	Agatti	41119	17720
2	Amini	56347	26330
3	Andrott	45319	12090
4	Chetlat	11367	5900
5	Kadmat	27960	12250
6	Kalpeni	45112	67000
7	Kavaratti	181197	25370
8	Kiltan	21726	5210
9	Minicoy	6808	1510
Total		436955	173380

26. Regulatory Framework under Plastic Waste (Management) Rule in

UTLA: The following Bye laws, Notifications, Guidelines etc. are prepared and implemented by the UTLA since 1998 onwards.



- (i) Sanitation and Conservancy Bye law, 1998 under Panchayat Regulation Act, 1998, annexed as (Annexure R2).

- (ii) Notification of the Constitution of State level monitoring committee under PWM Bye Law, 2016, annexed as **(Annexure R3)**
- (iii) Notification to ban 14 items single use plastic under plastic waste (Management) Rule, 2016, annexed as **(Annexure R4)**

27. Status of Industrial Units under Plastic Waste Management Rule, 2016:

The UTLA declared as Industrial Free Zone by the Government of India. No plastic manufacturing units are working in the territory. The non-biodegradable waste include plastic are reaching from local usage and almost all waste collected and disposing through the system instituted by the government. In addition the cement bags reaching through transportation of construction materials are taken care by Lakshadweep Public Works department in government sector..

28. Recent initiatives under plastic elimination programme in UTLA: The department of Environment & Forest with the collaboration of KHADI & Village Industries produced 5000 cloth bags and distributed among locals during the year 2014-15 with a aim to reduce plastic carry bags use in islands. The department continued the programme in 2016-17 by giving 3 Nos. cotton bags to all 12000 households in islands. The department introduced the scheme “paper making unit by giving full subsidy” to the locals during the year 2018-19. Whereas no beneficiaries cannot be selected due to non- availability of appropriate technology suitable to islands. The Central Sector scheme “Turtle conservation of UTLA” also encourage paper making unit by giving rupees 50000subsidy to the beneficiaries.

29. Monitoring and evaluation of Plastic Waste Management in UTLA: The

UTL Administration is made two tier system for the monitoring of the Plastic waste in Lakshadweep. The State level body is chaired by respective secretary from Department of Environment & Forest and the Island level is under the control of Deputy Collector/SDO's concerned. The patrolling/task force consists of Range



Forest Officer, Police, Revenue authorities and panchayat Executive officer in each island. The Final Bye law under Solid Waste Management Rule, 2016 empowered both panchayat raj and administration to impose penalty who contravene the bye law under the rule. Provision is also made to impose user fees to the stakeholder in the Bye Law. The Island Level Monitoring Committee periodically conducts patrolling and submits monthly reports to the Nodal Department.

Compliance of Bio Medical Waste Management Rules 2016:

30. All the Health Care Facilities (HCF) are directly control of UTL Administration. Total Bed strength in Lakshadweep islands is 250.Details of the HCFs in Lakshadweep is as follows:

Name of the Island/Block	No. of HCFs				
	Sub Centre	Primary Health Centre	Community Health Centre	Sub District Hospital	District Hospital
Agatti	2	1	0	1	0
Amini	2	0	1	0	0
Androth	2	0	1	0	0
Bitra	1	0	0	0	0
Chetlath	1	1	0	0	0
Kadmath	1	0	1	0	0
Kalpeni	1	1	0	0	0
Kavaratti	2	0	0	0	1
Kiltan	1	1	0	0	0
Miniocy	2	0	0	1	0



Total	15	4	3	2	1
Total Bed Strength	NIL	40 (10x4)	90 (30x3)	70 (50 Agatti + 20 Minicoy)	50

31. For better and professional approach in the management of Bio Medical Wastes in the Lakshadweep islands, the Department of Medical Health Services a meeting was conducted to evolve a detailed proposal for implementation of the BMW Management Rules, 2016 in association with IMAGE (Project of IMA-Kerala for the scientific handling and management of bio medical waste). The UTL Administration requested IMAGE to prepare Detailed Project Report for Bio Medical Waste Management. As per the BMW Rule, 2016 an Advisory Committee was constituted under the Chairmanship of Secretary Health Services , UTLA vide office order dated. 28.06.2017 is annexed as **Annexure - R5.**

32. **Biomedical Waste Management Action Plan for Lakshadweep**-The Department of Health Services has prepared the Management Action Plan under Bio- Medical Waste Management Rule, 2016 and submitted to the Central Pollution Control Board vide letter dated. 24.04.2019 is annexed as **Annexure-R6.**

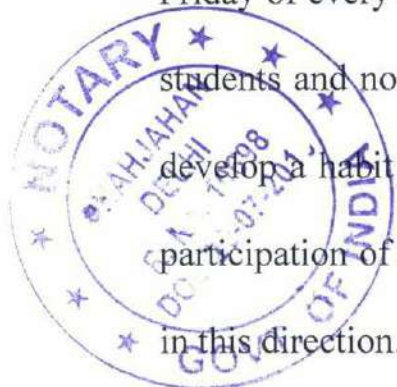
Awareness and Capacity Building Programmes

33. The department of Environment & Forest have conducted capacity building for 374 Sanitation workers (Panchayat Labourers) for the proper collection, segregation, transportation and incineration of waste during the year 2014-15. Funds are allocated and conducting Wildlife exposure tours regularly once in a year to school children/ NGO's /SHG's to mainland to see and understand different waste management/wildlife areas from the remote locality. Recently the department selected Swachh Ambassadors from all the schools for the awareness creation and popularisation under plastic waste in each island. The capacity building to Swachh Ambassador's will be conducted in the ongoing vacation at schools in islands. The



department also conducting different awareness generation programme in connection with Swachh Bharat mission, Swachh Sarvekshan, World Environment Day, Wildlife week etc. in all islands. The major awareness programs were organised during the Swachhata-hi-seva fortnightly campaigns during 16th September, 2017 to 2nd October, 2017 and 17th September, 2018 to 2nd October, 2018 in all the islands by involving people from all walks of life under the theme **REDUCE, REUSE and RECYCLE plastic**. Further as part of IEC campaign the following activities are undertaken:-

- a). **Shramadhan Activities under Swachh Lakshadweep Abhiyan:** The Union Territory Administration regularly conducting Shramadhan Activities once in six months with the involvement of all Government officials, schools, NGO's and other stakeholders and continuing since 2014 without break. This has helped the administration to keep all the available land to keep clean and neat all over the years.
- b). **Cleaning of Government office premises in first Saturday of every month:** The UTLA conducting cleaning shramadhan with the participation of government officials in first Saturday of every month since 2014 onwards. The voluntary work help the UTLA to achieve 100 % sanitation and Hygiene in government offices along with depicting cleaning messages to all stakeholders in islands.
- c). **Educational Institutional Cleaning under Swachh Lakshadweep Abhiyan:** The UTLA regularly conducting educational institutional cleaning on 1st Friday of every month in all school premises since 2014 onwards. School teachers, students and non-teaching staff are the participants in the shramadhan. It helps to develop a habit of cleaning and it's important is growing year by year. The more participation of local people in shramadhan activities can be taken as positive sign in this direction.



d) **Activities under Eco Clubs under Swachh Lakshadweep Abhiyan:** The department of Environment & Forest established eco club units in all schools in islands under Swachh Lakshadweep Abhiyan during the year 2014 and conducting awareness creation, plantation and community based capacity building through students under Swachh Bharat initiatives. The prolonged interaction and capacity building help to aware the public on the importance of cleaning to maintain health and hygiene in large.

Future Plans:

34. The UTLA decided to make “Plastic Free Lakshadweep” during the financial year 2019-20 by providing alternate to locals through subsidy, technology interventions and strict imposition of rules and regulation in force. The non-availability of separate department with expertise in integrated waste management rule is the major constraint of the Administration. In addition non-availability of appropriate technology in island condition, transportation of machineries from mainland to island, non-availability of competent Supplier/Tenderer for the work etc. are the major hurdles to implements the integrated waste management in true spirit. The diaper, cement bags and tube lights are shown to be increasing quantity and appropriate technology and action plan is under way for effective management of the waste

Sl No	Future Plans	Time line
1	Set up modern incinerators in all the islands	Before 31 st Dec 2019
2	Integrated solid waste management program-household waste collection of Biodegradable and kitchen waste- pilot project to be implemented in Kavaratti.	Before 31 st Oct 2019



3	Establishment of Sewage treatment plant at various Islands	31 st March 2020
3	Procurement of smart vehicles for collection of solid waste	Before 31 st Dec 2019
4	Transportation of non biodegradable resource materials for recycling to Swachh recovery Center, Kochi.	Continues process
5	Procurement of composting machines for Kavaratti Island	31 st March 2020
6	Implementation of Biomedical Waste Management Action Plan in Lakshadweep.	For the year 2019-20
7	Implementation of Single Use plastic free Lakshadweep	Before 31 st Dec 2019
8	Engagement of 455 contractual SafaiKarmacharies, Safai Assessors and Safai Supervisors	Recruitment in process to be completed before 30 th June,2019.

Status of functioning of Committees constituted by NGT order:

35. With respect to the Order of Hon'ble National Green Tribunal dated 16.01.2019, a State Level Committee was formed and copy of the same is already annexed herewith as **Annexure-R7**. First meeting of State Level Committee was held at Ernakulam, Kerala on 04.03.2019 discussed the matter in details and copy of the minutes of the same already annexed herewith as **Annexure-R8**.

36. *Status of the Action Plan in compliance vide order dated 20.09.2018 in the News Item published in "The Hindu" authored by Shri Jacob Koshy titled "More river stretches are now critically polluted : CPCB (Original Application No. 673/2018).....".*

The GT of Lakshadweep does not fall under critically Polluted River Stretches Areas



37. *Status of functioning of Committees constituted in News Item Published in “The Times of India” Authored by Shri Vishwa Mohan Titled “NCAP with Multiple timelines to Clear Air in 102 Cities to be released around August 15” dated 08.10.2018.....”*

No city of the UTL is falling in 102 cities identified by CPCB as non-attainment.

38. *Status of Action Plan with regard to identification of polluted industrial clusters in O.A. No. 1038/2018. News item published in “The Asian Age” Authored by Sanjay Kaw titled “CPCB to rank industrial units on pollution levels” dated 13.12.2018.*

No industrial clusters in UT of Lakshadweep.

39. *Status of the work in compliance of the directions passed in O.A. No. 173 of 2018, Sudarsan Das v. State of West Bengal & Ors. Order dated 04.09.2018.*

No mining lease has been awarded in UTL by the UTL Administration.

40. *Total amount collected from erring industries on the basis of ‘Polluter Pays’ Principle, “Precautionary principle’ and details of utilization of funds collected.*

No erring industries in UTL

41. *Status of the identification and development of Model Cities and Towns in the State in the first phase which can be replicated later for other cities and towns of the State.....”*



The State Level Committee has identified Androth and Amini islands to be the model islands for the Management of Solid Waste. Action Plan for the two islands are to be prepared to comply with the rule.

42. A Special Task Force in Lakshadweep covering all the islands is in the process of constitution. This will be completed by 30th June,2019.

43. UTL has displayed the progress made on all the above issues in its official website and the website of the Lakshadweep Pollution Control Board.

Rajesh Kumar
I Identified the deponent who has
Signed / put in my presence.

[Signature]
(Deponent)
Resident Commissioner
UT Admin. of Lakshadweep
Lakshadweep House,
Chanakyapuri, New Delhi

I, the above named Deponent verify aton the ____ day of May,
2019 that the contents of the above compliance affidavit are true to the best of
my knowledge and as borne out of the official records. Nothing material has
been concealed therefrom.

10 MAY 2019

ATTESTED

NOTARY, DELHI

[Signature]
(Deponent)
Resident Commissioner
UT Admin. of Lakshadweep
Lakshadweep House,
Chanakyapuri, New Delhi

[Signature]
B32
Notary Public

NOTARY
SHALIAHAN
DELHI
R. No. 10698
DOE 1007-2019
GOVT. OF INDIA

CERTIFICATE OF DEPOSITION
I, the undersigned, do hereby certify that the above named Deponent has been duly identified by me and has signed the foregoing affidavit in my presence and to the best of my knowledge and belief the contents of the same are true and correct.

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI**O.A NO. : 606 OF 2018****IN THE MATTER OF:-****Compliance of Municipal Solid Waste Management Rules, 2016****AFFIDAVIT**

I, Asar Pal Singh, S/o Sh. Jagat Singh, Age 62, holding post as Residential Commissioner of Union Territory of Lakshadweep having its office at Lakshadweep House, Chanakyapuri, New Delhi, as authorized by Hon'ble Administrator do hereby solemnly affirm and declare as under :

1. I am the deponent in the present OA as such I am well conversant with the facts of the case and thus competent to swear this affidavit.
2. I state that I have read and understood the contents of the compliance report and I say that the facts stated therein are true and correct to my knowledge based on information received by me from concerned authorities and records and the same are not being repeated herein for the sake of brevity and be read as an integral part hereof.
3. I say that the annexures annexed with the present compliance report are true copies of their respective originals.
4. That the contents of instant paragraphs are factual as provided by competent authority which I believe the same to be true and nothing material is suppressed or concealed there-from.



[Signature]

DEPONENT
Resident Commissioner
UT Admin. of Lakshadweep
Lakshadweep House,
Chanakyapuri, New Delhi

Place:

Date:

10 MAY 2019

Verified on this the 10th day of May, 2019

[Signature]
I identified the deponent who has
Signed / put in my presence.

10 MAY 2019

[Signature]

DEPONENT
Resident Commissioner
UT Admin. of Lakshadweep
Lakshadweep House,
Chanakyapuri, New Delhi

ATTESTED
NOTARY, DELHI



CERTIFIED THAT THE DEPONENT
Shri/Smt. *[Signature]*
S/o W/o *[Signature]*
Identified *[Signature]*
has signed *[Signature]*
on *[Signature]*
that the contents
have been *[Signature]*
true and correct *[Signature]*
2133 *[Signature]*
Notary Public

LAKSHADWEEP GAZETTE



EXTRAORDINARY
GOVT. OF INDIA
LAKSHADWEEP ADMINISTRATION

NOTIFICATION

In exercise of the powers under section 3,6 and 25 of the Environment (Protection) Act, 1986 (Act 29 of 1986) and in suppression of Municipal Solid Waste (Management & Handling) Rules, 2000; the Central Government published the Solid Waste Management Rules, 2016 on 8th April 2016. Rule 15(e) of the said Rules made responsibility on local authorities to frame Bye-Laws incorporating all the provisions of the rules within a year from the date of notification.

Whereas, the draft of the Solid Waste Management & Sanitation Conservancy Bye-Law, 2018 were published by the Department of Environment and Forest, Union Territory Lakshadweep Administration in the Extra Ordinary Lakshadweep Gazette Vol.LIV, No.11 dated 24th July, 2018, invite objections/suggestions from the persons likely to be affected on or before 30th August, 2018.

And whereas, copies of the said notification were made available to the public on 19th July 2018.

And whereas, all objection and suggestion received in response to the above mentioned draft notification have been duly considered by the UT Administration.

Now therefore, in dispensation of the duty vested under Rules 15(e) & z(f) of the Solid Waste Management Rules, 2016 and in exercise of the powers under Regulation 82 (1) (a), (b), (c), (e) Regulation 82 (2) of the Lakshadweep Panchayat Regulation Act, 1994, the Hon'ble Administrator hereby makes the following Bye-Laws for the management and treatment of Solid Waste namely:

1. SHORT TITLE AND COMMENCEMENT

- (a) These Bye-Laws may be called "Lakshadweep Solid Waste Management Bye-Law, 2018".
- (b) It shall extend to the whole of U.T. of Lakshadweep.
- (c) It shall come into force on such date as notified in the Official Gazette.

2. DEFINITIONS

In these Bye-Laws, unless the context otherwise requires

TC

- (a) Bio degradable waste means waste which is degradable by natural biological process and includes food leftovers, tree leaves, coconut husk and pith, paper waste but exclude human excreta.
- (b) Bio manure yard means the area for the production of compost from biodegradable waste materials.
- (c) "Competent Authority" means the Range Forest officer/Environment Assistant, Department of Environment & Forest/ Member Secretary, LPCC/Scientist/Technical officer/Technical Assistant, Department of Science & Technology or any officer authorized in this behalf by the Administrator, Union Territory of Lakshadweep by notification in the official Gazette.
- (d) Central Garbage Depository means the place or area to collect and scientifically segregate both bio degradable and non biodegradable waste generated from the territorial limit.
- (e) "Government Property" means the solid waste, rubbish, the carcasses of dead animals deposited in any public receptacle, depot or public place collected by department to be the property of the UT administration.
- (f) Litigation means the process of taking a case to a court of law so that a judgment can be made
- (g) Nuisance includes any act, omission, place or thing which comes or is likely to cause injury, danger, annoyance or offence to the sense of sight, smelling or hearing or which is may be dangerous to life, injurious to health or property.
- (h) Non biodegradable waste means waste which does not degrade by natural biological process and includes polythene, plastic, glass, tetra wastes etc.
- (i) "Prohibited substance" means substance prohibited by notification in the official Gazette, under the Bye-Laws.
- (j) Pollution Control Committee/ State board shall have the same definition as in (Air Prevention and Control of Pollution) Act, 1981, Water (prevention & Control Pollution) Act, 1974 and Environment Protection Act, 1986.
- (k) Public place means any such place which is open to the use and enjoyment of the public, whether it is actually used or enjoyed by the public or not.
- (l) Re-Use means the use of a product more than once in its life time for different purposes.
- (m) "State Nodal Agency" means the department of Environment & Forests designated to implement Municipal Solid waste in the Union Territory of Lakshadweep under Solid Waste Management Rule, 2016.
- (n) Words and expressions used herein but not defined hereunder but defined in the Environment (Protection) Act 1986, the Water (Prevention & Control of Pollution) Act, 1974, Solid Waste Management Rules, 2016 and in the Lakshadweep Panchayat Regulations, 1994 shall have the same meaning as assigned to them in the respective Acts, Rules and Regulations.

3. PROHIBITION

- a. Tender Coconut shell, tree leaves, coconut husk, coconut shell, trunks etc. in an around dwelling places / public places must be disposed scientifically by the land owner without effecting hygiene to the environment. No person is allowed to throw or break or spread coconuts, fruits leftovers, vegetables wastes on roads, foot paths, Public areas, lagoon, sea and the beaches.
- b. No person shall remove or transport hazardous wastes on or over any public road, unless such hazardous waste is securely and properly contained in separate receptacles or vehicle designated to prevent spillage or contamination.
- c. Disposal by burning of any type of solid waste at road sides, beaches, and in open places is prohibited.
- d. It shall be the responsibility of land/property owner to remove any obstruction caused in street by fall of trees, trunks etc. within 6 hours of such fall. If the owner fails to do so, the Competent Authority can avail all such facilities to remove the obstacles from the street and the land owner is liable for fine and / or prosecution as prescribed by these By-laws.
- e. The Organizers of a public event/gathering shall clean the hired hall/ground within 24 hours from the event. If the occupier or waste generator fails to comply, the Competent Authority has power to clear and treat waste in any suitable manner and impose fine on the defaulters.
- f. All the residents in the Union territory limit should maintain their peripheral area of 25 metre radius of their household litter free or else responsibility shall be fixed on dwelling house owner/resident, if found littered.
- g. No person shall dump, deposit, discharge, spill or release solid waste, or cause or permit such waste to be dumped, discharged, spilled or released, whether or not the waste is in a container or receptacle, in or at any place, whether publically/privately owned, including but not limited to vacant land, beaches, lagoon, sea, drains etc. except in a container or at a place which has been specially indicated, provided or set apart for such purpose.
- h. No person shall, while driving a vehicle, or while being conveyed in a vehicle, throw or deposit solid waste on any public road or on any private premises within the territory limit, and no driver of a vehicle shall allow or permit any passenger in such vehicle to throw or deposit such waste in a like manner. The Vehicle Driver will be responsible for such violation and is liable for fine and / or prosecution.
- i. No person shall use waste bin/receptacle for any other purpose than assigned for solid waste management by the Competent Authority.

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- j. No person shall deposit sanitary pad or diaper directly to the waste bin/receptacle. All sanitary pads should be well packed with wrap papers and should be deposited in non biodegradable waste bin for incineration.
- k. The open defecation in any public or private place in the union territory limit is prohibited.
- l. No person shall produce, distribute, store or sell polythene carry bags in any manner in the union territory of Lakshadweep.
- m. The disposal of carcasses, fish head, chicken feather, human hair etc. in beach, lagoon or public places is prohibited.
- n. Dumping and littering of solid waste in any public place and other such areas viz beaches, foot paths, road, lagoon etc meant for public utility is prohibited.
- o. Unlawful and improper disposal of carcasses, rubbish, and filth in open /public places or private places is prohibited.

4. POWER TO DECLARE SOLID WASTE FREE/SANITATION ZONE

The Administrator, Union Territory of Lakshadweep has the power to declare in such manner as may be prescribed, any area or areas within the Union Territory limit as sanitation zone or waste free area or areas for the purpose under this Bye-Law.

5. POWER TO IMPOSE USER CHARGES

- a. The Administrator, Union Territory of Lakshadweep Administration (UTLA) can impose user charges from stakeholders for the services rendered by the Administration from time to time. The User charges imposed for services such as house to house collection of solid waste, collection of solid waste from grocery, departmental and other shops, hotels, restaurants, vegetable and meat shops, school and colleges, street vendors, bulk generators etc. will be published through the official gazette of Lakshadweep.

6. POWER TO ISSUE DIRECTIONS

- a. If it is brought to the notice of the Competent Authority by any person or on Suo motu information, the competent authority is satisfied that any violation may take place or is or has been taking place, he/she shall have powers to issue directions to the party concerned to prevent any violation or to cease and desist from violating the provisions of these byelaws or such other directions as he/she deems fit.

7. PENALTIES FOR CONTRAVENTION OF THE BYE LAWS

- a. Whoever violates or contravenes any provision of these Bye laws or directions issued there under by the Competent Authority shall be punishable, in respect of each such failure or contravention, with a fine as per the schedule of fine (Schedule 1) of the Bye-Laws. In case, the generator of waste is found contravening any of these Bye-

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Laws next time, the fine amount will be doubled. The defaulter shall be liable for prosecution if he/she fails to remit the prescribed fine within 15 days.

- b. In case the person or any other generator of garbage fails to remit the fine amount as prescribed in scheduled 1, the Competent Authority in these behalf may file a complaint in the court of Competent Jurisdiction in the Union Territory of Lakshadweep. Penalties under this Bye Laws are to be tried by the Judicial Magistrate of First Class of respective island jurisdiction.

8. COGNIZANCE OF CONTRAVENTION

- a. No court shall take cognizance under these bye-laws except on a complaint made by
- (i) Range Forest Officer/Environment Assistant of the respective Island where the contravention is reported or
 - (ii) Member Secretary, LPCC or
 - (iii) Scientist/Technical Officer/Technical Assistant under the Department of Science & Technology, UTL or an officer authorized in this behalf by the Administrator by notification in the official Gazette. No court inferior to that of a Judicial Magistrate of First Class shall try any violation punishable under this Bye Law.

9. COMPOUNDING OF PENALTIES

- a. When a petition is made in this behalf and the court is satisfied that it is just and fair to do so, the court may compound any violation or contravention under these bye laws on a payment of fine of Rs. 100/- for each day during which the contravention continues.

10. AMENDMENTS OF SOLID WASTE MANAGEMENT BYE-LAWS

- a. Implementation, handling and compliance of this bye-law will be amended time to time based on the rules notified/amended by Ministry of Environment, Forest and Climate Change for the management and handling of solid waste or compliance of the provisions therein.

11. HEAD OF ACCOUNT FOR THE RECEIPTS OF PENALTIES

- a. The amount of fine through penalty/compounding of offence will be deposited in Department of Environment and Forest Receipt Head 2406-Forestry and wildlife 800 other receipts.

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SCHEDULE 1
FINANCIAL PROVISIONS FOR IMPOSING PENALTIES UNDER THE BYE LAWS

Sl.No	Section	Subject of contravention/violation	Fine for every single attempt of violation in rupees
1	3(a)	To throw or break or spread coconuts, fruits leftovers, vegetables wastes in public places	200/-
2	3(b)	Transport hazardous wastes on or over any public road without receptacles or vehicle designated to prevent spillage or contamination.	1000/-
3	3(c)	Disposal by burning of any type of solid waste at road sides, beaches, open places etc.	500/-
4	3(d)	Failure to remove any obstruction caused in street by fall of trees, trunks etc. within 6 hours of such fall	2000/-
5	3(e)	Failure of organizers of a public event/gathering shall clean the hired hall/ground within 24 hours from the event.	5000/-
6	3(f)	Failure to clean peripheral area of 25 metre radius to maintain it litter free around dwelling houses	500/-
7	3(g)	Dispose solid waste outside the storage containers specifically indicated, provided or set apart for such purpose.	500/-
8	3(h)	Throw solid waste from vehicle to public place	500/-
9	3(i)	Usage of waste bin/receptacle for other purpose than assigned for solid waste management	1000/-
10	3 (j)	Deposition of sanitary pad or diaper directly to the waste bin/receptacle	500/-
11	3 (k)	Open Defecation in any public or private place	2000/-
12	3 (l)	Production, distribution, storage or sale of polythene carry bags in any manner in Islands	1000/-
13	3(m)	The disposal of carcasses, fish head, chicken feather, human hair etc. in beach, lagoon or public places	1000/-
14	3 (n)	Dumping and littering of solid waste in any public place	500/-
15	3 (o)	Improper disposal of carcasses, rubbish, and filth in open /public places or private places	1000/-

(FAROOQ KHAN)
 Administrator

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The Lakshadweep Gazette

PUBLISHED BY AUTHORITY



EXTRAORDINARY

VOL. XXXIV. No. 14, FRIDAY, 24th JULY, 1998 / 24th SHRAVANA 1998 (Saka)

ADMINISTRATION OF THE
UNION TERRITORY OF LAKSHADWEEP
DEPARTMENT OF
SCIENCE, TECHNOLOGY & ENVIRONMENT

Kavaratti Island,
Dated: 17-7-1998.

NOTIFICATION

F. No. 17/2/98-ST&E :- In accordance with Bye-Law 4 of Lakshadweep Sanitation and Conservancy Bye-Laws 1998, the Administrator, U. T. of Lakshadweep hereby prohibit import and or use of polythene and plastic material for packing and carrying of consumer goods in the whole of the Union Territory of Lakshadweep with effect from 1-8-1998.

Provided that this prohibition shall not apply to polythene and plastic material used for packing, packed commodities by the producers.

Sd/-
(RAJEEV TALWAR)
Administrator.

ADMINISTRATION OF THE
UNION TERRITORY OF LAKSHADWEEP
(SECRETARIAT)

Kavaratti Island,
Dated 14-7-1998.

NOTIFICATION

F. No. 1/17/98 Services (CC) :- The Administrator, Union Territory of Lakshadweep is pleased to redesignate the 2 posts of Supply & Marketing Officers borne under Common cadre one each attached in the Industries Department, Kavaratti and in the Office of the Administrator, Kochi and 4 posts of Assistants borne under Common cadre, one each attached to the Offices of the Deputy Director (Science and Technology), Kavaratti, Assistant Director (Planning), Office of the Administrator, Kochi and in General Section Secretariat, Kavaratti, as Superintendents with immediate effect.

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THE LAKSHADWEEP GOVT. EXTENSION-87

ADMINISTRATION OF THE
UNION TERRITORY OF LAKSHADWEEP
DEPARTMENT OF
SCIENCE, TECHNOLOGY & ENVIRONMENT

Kavaratti Island,
Dated : 17-7-1998.

NOTIFICATION

F. No. 17/2/96-ST & E :- Whereas, to ensure that non-bio-degradable waste is deposited only in the garbage bins eliminating littering, as also to minimise generation of non-bio-degradable waste hazardous to the islands prohibiting the use of polythene/plastic materials for packing and carrying consumer goods, a draft bye-law, viz Lakshadweep Sanitation and Conservancy bye-laws was published in the Lakshadweep Times of 27th May, 1996 inviting comments to reach the Deputy Director, (S&T) on or before 24th June, 1996;

And whereas the comments so received have been duly considered.

Now, therefore, the Administrator, U. T. of Lakshadweep, in exercise of the powers conferred by section 82 of the Lakshadweep Panchayats Regulations, 1994 hereby makes the following bye-laws, namely:-

1. (1) These bye-laws may be called Lakshadweep Sanitation Conservancy Bye-Laws, 1998.
- (2) They extend to the whole U. T. of Lakshadweep.
- (3) They shall come into force on such date as notified in the Official Gazette and different dates may be appointed for different islands.
2. In these bye-laws, unless the context otherwise requires -
 - (a) Definitions as given in Lakshadweep Panchayat Regulations, 1994 shall be applicable.
 - (b) The "Prohibited substance" means substance prohibited by notification in the Official Gazette, under bye-law 4.
 - (c) Non-bio-degradable rubbish means waste which does not degrade by natural biological process and includes polythene, plastic, glass, tetra wastes.
 - (d) Bio-degradable rubbish means waste which is degradable by natural biological process and includes food leftovers, tree leaves, coconut husk and pith, paper waste but exclude human excreta.
3. (a) No person shall dispose off or cause to be disposed off non-bio-degradable waste in any place or manner except into garbage bin when provided for collection of bio-degradable waste.
- (b) No person shall dispose off or cause to be disposed off non-bio-degradable waste in any place or manner except into garbage bin when provided for collection of bio-degradable waste.

may be notified in the Official Gazette

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LAKSHADWEEP GAZETTE EXTRAORDINARY

of non-bio-degradable substance to the extent as may be specified in such notification.

- (b) On and from the date specified in the notification issued under sub-section (1), no person shall use such prohibited substance to the extent specified therein.

5. Penalty for contravention of the bye-laws : whoever fails to comply with or contravenes any provision of this bye-laws or directions issued thereunder shall in respect of each such failure or contravention be punishable with a fine which may extend to Rs. 100/-

6. Cognizance of offence : No court shall take cognizance under these bye-laws except on a complaint made by the Environment Warden of Department of Science, Technology and Environment, Lakshadweep Administration or an officer authorised in this behalf by the Administrator by notification in the Gazette.

7. Compounding of offence : An offence under these bye-laws may be compounded on payment of fine of Rs. 100/- by the offender for each offence.

Sd/-

(RAJEEV TALWAR)
Administrator.

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भारत सरकार / GOVT. OF INDIA
लक्षद्वीप प्रशासन/ LAKSHADWEEP ADMINISTRATION
(पर्यावरण एवं वन विभाग) (Department of Environment & Forests)
कवारत्ती द्वीप / Kavaratti Island - 682555

एफ नं। 66/7/2018 - ई एंड एफ

दिनांक: 03.08.2018

NOTIFICATION

In exercise of powers conferred by sections 3, 6 & 25 of the Environment (Protection) Act, 1986 (29 of 1986) read with Section 16 of Plastic Waste Management Rules, 2016. I, Farooq Khan, Administrator, Union Territory of Lakshadweep is hereby constitute State Level Advisory Body (SLAB) comprising of the following members as listed below:-

Sl. No.	Designation	Member
1	The Secretary, Environment & Forest.	Chairman
2	The President cum Chief Counsellor	Member
3	The Member Secretary, LPCC	Member
4	The Director, Panchayat	Member
5	The Director, Planning, Statistic & Taxation	Member
6	The Director, Dept. of Industries	Member
7	The Principal GSSS, Kavaratti	Member
8	The Senior most RFO, E&F	Member
9	Ms. Sunitha Ismail, Social Worker	Member
10	The Sales Tax Officer, UTLA	Member
11	The RFO, Environment, E&F	Convener

The State Level Advisory Body (SLAB) shall meet at least once in every six months to review the effective monitoring of implementation of these rules, state policy and strategy on Plastic Waste Management and give advice to Union Territory of Lakshadweep Administration to take measures that are necessary for expeditious and appropriate implementation of these rules.

(FAROO KHAN)
ADMINISTRATOR

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भारत सरकार / GOVT. OF INDIA

लक्षद्वीप प्रशासन / LAKSHADWEEP ADMINISTRATION
(पर्यावरण एवं वन विभाग) / (Department of Environment & Forest)

नीति & लीगल डिविजन / POLICY & LEGAL DIVISION

कवारत्ती द्वीप / Kavaratti Island - 682555

E-mail: lak-def@nic.in, Ph : 04896 262592

Dated 25.01.2019

NOTIFICATION

F. No.66/33/2019-E&F (P&L): Whereas, Lakshadweep Sanitation Conservancy Bye-law 1998 published vide notification dated 17.07.1998 by the Union Territory of Lakshadweep to prohibit use of polythene/plastic materials for packing and carrying consumer goods in the territory.

And whereas, the Plastic Waste Management Rules 2016 published vide notification No. G.S.R. 320 (E) dated 18.03.2016 by the Government of India in the erstwhile Ministry of Environment & Forest, as amended from time to time, provided a regulatory framework for management of plastic waste generated in the country.

And whereas, to implements to these rules more effectively and to give threats on plastic waste minimization, source segregation, recycling, material recovery facility and adopt polluter pay principle for sustainability of the waste management system, the Union Territory of Lakshadweep Administration implemented Lakshadweep draft Solid Waste Management and Sanitation Conservancy Bye-law 2018 with effect from 19.07.2018.

And whereas, the State Level Advisory Committee in its 2nd SLAB meeting dated 16.01.2019 recommended to implement total ban on Single-Use Plastic in Islands.

And whereas, the Hon'ble Prime Minister has announced India's pledge to phase-out all Single-Use Plastic by 2022.

And whereas the Single-Use Plastic makes immense potential to pollute marine environment and spreads its harmful effect on marine ecosystem, biodiversity and potentially human health.

NOW, therefore, in exercise of the powers confirmed under section-3, 6 and 25 of Environment (Protection) Act 1986 (29 of 1986), under Sub section (e), (zf) of Rule, 15 of Solid Waste Management Rules 2016 and Sub section (1) (a), (b), (c), (e) and Sub section 2 of Section 82 of Lakshadweep Panchayat Regulation Act, 1994, the Union Territory of Lakshadweep prohibiting the use of following Single-Use Plastic from the Union Territory of Lakshadweep.

- 1) Plastic sheets/film used for food wrapping
- 2) Plastic sheets used as dining table covers
- 3) Thermocol plates
- 4) Plastic-coated paper plates
- 5) Plastic-coated paper cups
- 6) Plastic teacups
- 7) Plastic Tumblers
- 8) Thermocol cups
- 9) Water pouches/packets/PET plastic water bottle
- 10) Plastic Straws
- 11) Carry bags of all thickness
- 12) Plastic-coated carry bags
- 13) Plastic flags

This notification shall come with effect from 26th January 2019 in all Islands includes territorial water of the Union Territory of Lakshadweep.

(FAROOQ KHAN)
ADMINISTRATOR

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Annexure R 19

To be published in the Extra Ordinary issue of Lakshadweep gazette

भारत सरकार
GOVT. OF INDIA
लक्षद्वीप प्रशासन
LAKSHADWEEP ADMINISTRATION
विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF SCIENCE & TECHNOLOGY
कवरत्ती द्वीप 682 555
KAVARATTI ISLAND -682 555

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11.09.17

ENo.LD-03003/1/2017-LPCC-UT-LKS/801

Dated: 08.09.2017

NOTIFICATION

In the exercise of powers conferred by Rule 11 of the Bio Medical Waste Management Rules, 2016, I Farooq Khan, Administrator, Union Territory of Lakshadweep hereby constitute an Advisory committee comprising of the following members.

- | | |
|-------------------------------------|--------------------|
| 1. Secretary (Health) | - Chairman |
| 2. Conservator of Forest | - Member |
| 3. Director (Health) | - Member |
| 4. Director (Animal Husbandry) | - Member |
| 5. CEO, District Panchayat | - Member |
| 6. Member Secretary, LPCC | - Member |
| 7. Shri. Muhsin A I, Scientist, S&T | - Technical Member |

(FAROOQ KHAN)
ADMINISTRATOR

To

The Director,
Department of Printing & Stationery,
Kavaratti

Copy to:

- 1) All Members
- 2) All head of institutions in UT of Lakshadweep.
- 3) Editor, Lakshadweep Times for publishing in the Lakshadweep Times.
- 4) Scientist-E, Waste Management Division-I, Central Pollution Control Board, New Delhi.

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भारत सरकार / GOVT. OF INDIA

लक्षद्वीप प्रशासन / LAKSHADWEEP ADMINISTRATION

लक्षद्वीप प्रदूषण नियंत्रण समिति / LAKSHADWEEP POLLUTION CONTROL COMMITTEE

विज्ञान एवं प्रौद्योगिकी विभाग / DEPARTMENT OF SCIENCE & TECHNOLOGY

कवरत्ती द्वीप 682 555 / KAVARATTI ISLAND -682 555

File No: C-18018/1/2019-LPCC-UT-LKS

Dated: 11.02.2019

OFFICE ORDER

विषय /Sub: -NGT OA No. 606/2018 of in the matter of Compliance MSW Management Rules, 2016

Considering the importance of efficient Municipal Solid Waste Management, the Hon'ble National Green Tribunal (NGT), on 16.01.2019, had issued an order (O.A. No. 606/2018) with directions to all the States/UTs for effective implementation of the SWM Rules, 2016, to constitute a State Level Committee for every State/UT. Accordingly, the Hon'ble Administrator, UT of Lakshadweep is pleased to constitute the state level committee with the following members.

- | | |
|--|--------------------|
| 1. Administrator | - Chairman |
| 2. Advisor to the Administrator, UTL | - Member |
| 3. Secretary, LPWD | - Member |
| 4. Secretary, Panchayath | - Member |
| 5. Secretary, Environment | - Member |
| 6. Secretary, Health Services | - Member |
| 7. A Representative of CPCB | - Member |
| 8. Superintending Engineer, LPWD | - Member |
| 9. Director, Panchayth | - Member |
| 10. Director, Health Services | - Member |
| 11. Er. K Sajeevan, Subject Expert | - Member |
| 12. A representative from IIT/NIT | - Member |
| 13. Two Chairman from VDPs by rotation | - Member |
| 14. Member Secretary, LPCC | - Member Secretary |

This issued with the approval of Hon'ble Administrator, UTL dated 11.02.2019

(P. POOKOYA)

Member Secretary, LPCC

सदस्य सचिव, ल.प्र.नि.स.

To

All Members of the Committee

Copy to:

1. PA to the Hon'ble Administrator, UTL
2. PA to the Chairman, Lakshadweep Pollution Control Committee
3. PA to the Secretary, Works/Panchayth/Health/Environment, UT of Lakshadweep
4. Chief Executive Officer, District Panchayth, UTL
5. Member Secretary, CPCB, Parivesh Bhawan, East Arjun Nagar, New Delhi

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by

File No.C-18018/1/2019-LPCC-UT-LKS-Part(1)



भारत सरकार

लक्षद्वीप प्रशासन

लक्षद्वीप प्रदूषण नियंत्रण समिति

कवरत्ती द्वीप 682 555

F.No. C-18018/1/2019-LPCC-UT-LKS /167

Dated: 25.02.2019

सेवामें/To

1. Conservator of Forests, Department of E&F, UT;
2. Director, Health Services, UTL
3. Superintending Engineer, LPWD, UTL

विषय /Sub: Constitution of State Level Committee in pursuance to Hon'ble National Green Tribunal Order dated 16.01.2019 passed in Original Application No. 606/2018 – Compliance of Municipal Solid Waste Management Rules, 2016- Meeting Notice

श्रीमान/Sir,

In pursuance to Hon'ble National Green Tribunal Order dated 16.01.2019 passed in Original Application No. 606/2018 - compliance of Municipal Solid Waste Management Rules, 2016, the Hon'ble Administrator, UTL constituted the State Level Committee to monitor the implementation of Solid Waste Management Rules, 2016 in the Union territory of Lakshadweep. In this connection, Hon'ble Administrator, UTL and the Chairman, of the State Level Committee has decided to conduct its first meeting of State Level Committee in the Secretariat Conference Hall, Kavaratti on 02.03.2019 at 02.00 PM. If in case of any eventuality, meeting doesn't happen on 02.03.2019, the same will be conducted on 03.03.2019 at same time & place.

Therefore, it is requested to attend the meeting in time and make a presentation on strategy, policy and action plan for management of Solid Waste, Plastic Waste, Bio-Medical Waste and Construction and Demolition Waste (Copy of the order of State Level Committee is enclosed).

Encl: As above

भवदीय/ Yours faithfully,

RAHUL SAJINI, DANICS

सदस्य सचिव, ल.प.न.स.

Copy to:

1. PA to the Hon'ble Administrator, UTL and Chairman, State Level Committee, UTL for information.
2. PA to the Chairman, LPCC for information
3. The Secretary, Works/Health/Environment, UT of Lakshadweep with request to attend the meeting

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File No.C-18018/1/2019-LPCC-UT-LKS

22/4/2019
18/4/19



भारत सरकार

लक्षद्वीप प्रशासन

लक्षद्वीप प्रदूषण नियंत्रण समिति

कवरत्ती द्वीप 682 555

F.No. C-18018/1/2019-LPCC-UT-LKS | 248 (iii)

Dated: 12 .04.2019

To

1. Conservator of Forests, Dept. of Environment & Forests, Kavaratti
2. Director, Health Services, Kavaratti
3. Suprintending Engineer, Kavaratti
4. Director, Agriculture, Kavaratti
5. Director, Animal Husbandry, Kavaratti

विषय /Sub: 1st Meeting of State Level Committee in pursuance to Hon'ble National Green Tribunal Order dated 16.01.2019 passed in Original Application No. 606/2018 – Compliance of Municipal Solid Waste Management Rules, 2016- Minutes of Meeting- Action Taken Report- Regarding

Sir,

I am enclosed herewith the minutes of the 1st Meeting of State Level Committee in pursuance to Hon'ble National Green Tribunal Order dated 16.01.2019 passed in Original Application No. 606/2018 for Compliance of Municipal Solid Waste Management Rules, 2016. It is requested to forward the Action Taken Report on minutes of the meeting to the undersigned on or before 18.04.2019 positively to submit the consolidated ATR to the Chairman of the committee. The matter may treated as important since this is a COURT MATTER.

भवदीय/ Yours faithfully,

(P. POOKOYA)

सदस्य सचिव, ल.प्र.नि.स.

Copy to:

1. PA to the Hon'ble Administrator, UTL and Chairman, State Level Committee, UTL for information.
2. Secretary, S&T, UTL for information

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MINUTES OF THE 1st MEETING OF STATE LEVEL COMMITTEE HELD ON 4TH MARCH, 2019 AT LULU BOLGATTY INTERNATIONAL CONVENTION CENTRE, ERNAKULAM

A meeting was held in the Lulu Bolgatty International; Convention Centre on 4th March, 2019 under the Chairmanship of Hon'ble Administrator, UT of Lakshadweep and Chairman State Level Committee constituted in compliance of Municipal Solid Waste Management Rule, 2016 vide National Green Tribunal, Principal Bench, New Delhi order dated 16.01.2019, OA No.606/2018 for effective implementation of Solid Waste Management Rules, 2016

The following were attended the meeting:

1. Shri Farooq Khan, Hon'ble Administrator, UTL and Chairman, SLC
2. Dr Sundaravadevelu, IAS, Secretary (Health), UTL
3. Shri Vijender Singh Rawat, IAS, Secretary (Works), UTL
4. Dr Sajeevan K, Subject Expert & Former Chairman, KSPCB
5. Shri Shajahan, Superintending Engineer, LPWD
6. Dr K. Shamasudheen, Director, Health Services, UTL
7. Shri Buzar Jamhar K, Director, Panchayth, UTL
8. Shri Rahul Saini, DANICS, Member Secretary, LPCC
9. Shri Rajiv Ranjan, DANICS, Administrative Officer, UTL
10. Shri P.Pookoya, Assistant Director, S&T, UTL
11. Shri Muhsin AI, Scientist, S&T, UTL
12. Shri Abdul Jabbar, Range Forest Officer E&F, UTL
13. Shri.U.Abdul Nazer, Senior Chemist, S&T, UTL
14. Shri Jaffer Hisham, Fisheries Officer, UTL

The Member Secretary, LPCC welcomed the chair and others and briefed about the agenda and objectives of the meeting. In the introductory speech, Member Secretary briefed about the background and functions of the State Level Committee.

I. State Level Committee:

- a. **Constitution:** State Level Committee constituted in pursuance to Hon'ble NGT order dated 16.01.2019 passed in OA No. 606/2018 in compliance of Municipal Solid Waste Management Rules, 2016 in UT of Lakshadweep vide order F. No. File No C-18018/1/2019-LPCC-IJT-LKS dated.11.02.2019. The copy of constitution of State Level Committee is enclosed as Annexure-I
- b. **Objectives and Functions:**
 - Ensure implementation, compliance monitoring of SWM, PWM, BMWM, CDM Rules
 - Hold meetings periodically as may be found necessary as per direction of the Chairperson of the Committee
 - The Committees constituted under Rule 5, 12 & 23 of the Solid Waste Management Rules, 2016 shall continue to work in tandem with the above State Level Committee and the frequency of their meeting shall be jointly worked out by the State Level Committee and the committee constituted under the Solid Waste Management Rules.
 - The State Level Committee shall be serviced by the Lakshadweep Pollution Control Committee

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- Chief Secretaries/Administrator have monitored the matters, the Status Reports of compliance and immediate future plans may be presented/filed before the Tribunal.
- The date for the meeting of Lakshadweep islands is on 02.05.2019. It will be open to Chairman to change the date, by the advance intimation to the NGT by e-mail i.e., ngt.filing@gmail.com, to adjust the convenience of the Chairman.
- The Hon'ble NGT directed the Administrator to come in person with the compliance report on 02.05.2019.

II. Policy, strategy, action plan for the management on:

After the introductory speech the Member Secretary has invited the executing agencies to make the presentation on policy, strategy, action plan for the management on the Solid Waste Management Rule 2016, Plastic Waste Management Rules 2016, Bio-Medical Waste Management Rules 2016 and Construction and Demolition Waste Management Rules, 2016.

A. Solid & Plastic Waste Management Rules:

Range Forest Officer, Department of E&F made presentation on behalf of Conservator of Forests, UTL. In his presentation he has briefed about the strategy, policy and action plan for the Solid Waste Management Rules and Plastic Waste Management Rule. He has also stressed about the importance for preparation of strategy and policy of the Bio Medical Waste and C& D Waste Management Rules as the Environment & Forest Department is the implementing agency of these four rules. The following points were highlighted the Range Forest Officer:

- a) Type & Composition of Waste and its generation
- b) Collection, Segregation, transportation and disposal of biodegradable and non-biodegradable waste
- c) Implementation in ODF in islands
- d) Shramadhan activities under Swatch Lakshadweep Abhiyan
- e) House to house waste collection practices on experimental basis in ward 11 and 12 at Kavaratti from April, 1, 2019.
- f) Installation of Septage treatment plant at Kavaratti
- g) Procurement of incinerator for disposal of plastic wastes in all islands
- h) Awareness creation and popularization.

Details of the same has been enclosed as Annexure-II.

After the presentations, the Committee has discussed in detail and the following decisions were made:

1. Chairman has stressed to ensure non-usage of Chemical Fertilizer/pesticides in Lakshadweep islands. (Action: E&F, Agriculture)

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2. The Department E&F has ensure the time line for completion of installation and commissioning of incinerators in all islands by 31st March, 2019. The LPWD has to ensure the completion of civil works required for the installation of incinerators (Action: E&F, Health Services, LPWD)
3. To provide small quantity aerobic composting unit and also procure required crushing machines (Action: Agriculture/ E&F)
4. The waste segregation will take place in the generation site itself. Take necessary steps for precaution measures to the people who are involving segregation. (Action: E&F)
5. To install aerobic compost in all islands for minimize the biodegradable wastes. (Action: Agriculture, E&F)
6. Provide two vehicles each in major islands such as Kavaratti, Androth, Amini, Minicoy for transportation of solid waste and one each in other islands. (Action: E&F)
7. The LPCC made Dept. of E&F as implementing agency for all rules as per the decision of the meeting held on 02.11.2018 to prepare policy strategy for all the rules came under the waste management. Considering in adequate expertise in the Department the committee recommended to recruit 8 numbers officials on contract period for a period of one year. (Action: E&F).
8. Chairman informed that the Scientific study proposed for the STP (Septage Treatment Plant) is not required and directed to obtain the suggestion on suitable size and model of the STP from the Expert Member of the Committee (Action: S&T, E&F)
9. The Bio gas Plants to be installed in all Govt. Guest Houses and Govt. institutions in the islands by the end of 2019.
10. Secretary, E&F to conduct a meeting with the representatives of DP, VDPs to find appropriate solution for the usage of chemical toilet cleaners, plastic materials, cement bags etc. (Action: E&F)
11. Director, Fisheries is included in the implementation of Solid Waste Management Rules (LPCC, Fisheries, E&F)

B. Bio-Medical Waste Management Rules:

The Director, Health Services made presentation on the present status of the Health Care Establishments and the action plan for the effective implementation of the BMWWM Rules in Lakshadweep islands. It is informed that the Common Bio-Medical Waste Management Facilities are not feasible in the islands due to the geographical conditions of the islands. The main points are:

- a) Details of the Health Care Facilities
- b) Quantification of BMW generation.
- c) Status of commissioning of 1 each incinerator of 10kg/hour in 10 islands
- d) Collaboration with IMAGE (unit of IMA Kerala State) to study and submit a detailed proposal for Biomedical Waste Management in the islands

Details of the same has been enclosed as Annexure-III

After the presentations, the Committee has discussed in detail and the following decisions were made:

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1. Chairman directed the Director Health Services to explore the availability of the biodegradable sanitary pads and diapers and procure the same. Further it is suggested to issue a ban order for the non-biodegradable sanitary pads/diapers in islands. To install the machine for disposal of sanitary pads in all the High Schools/educational institutions. (Action: DHS, E&F)
2. Department of Health Services prepare proper SOP for management of BMW and implement the same in letter and spirit in all islands. The Lakshadweep Pollution Control Committee provide necessary support and monitor the implementation on regular basis (Action: DHS, LPCC)
3. Department of Health Services to procure all the suitable instrument/ equipments for safe and proper management of biomedical wastes in all HCEs on war foot manner (Action: DHS)
4. To issue a ban order to the usage of chemical toilet cleaners in the all the Govt Guest Houses, Offices (Action: LPCC, E&F, DHS)
5. Director, Animal Husbandry is also included in the implementation of BMW rules (Action: LPCC, Animal husbandry)

C. Construction & Demolition Waste Management Rules:

Finally, the Superintending Engineer, LPWD made presentation on the present status and action plan for the Construction & Demolition Waste Management Rules in the Lakshadweep islands. It is stated that 90% of the demolishing waste is reuse for the new constructions. The following points were highlighted:

- a) Present practice of management of Construction & Demolition Wastes in Lakshadweep
- b) Quantification of Construction /Demolition waste generated in the islands
- c) Status of construction & Demolition waste yard

Details of the same has been enclosed as Annexure-IV

After the presentations, the Committee has discussed in detail and the following decisions were made:

1. Explore the possibilities for providing small size containers in the barges for transporting the construction materials/ other essential commodities to reduce the usage of cement sacks/plastic bags etc. (Action: Port, PWD)

III. Identification of Nodal Officers from concerned Department:

Member Secretary has briefed about the identification of the Nodal officers from the concerned Department to provide information and take required follow-up actions including inter-departmental co-ordination and ensuring timely submission of information to the State Level Committee. Accordingly, the following officials are identified as the Nodal Officers of the different departments:

- | | |
|--|--|
| 1. Lakshadweep Pollution Control Committee | - Shri Muhsin Al, Scientist |
| 2. Dept. of Health Services | - Dr Sabitha, Specialist (Public Health) |
| 3. Dept. of Environment & Forest | - Shri Sayed Shaik Koya, RFO ✓ |
| 4. LPWD | - Shri Abdul Rahiman, EA to SE |

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IV. Identification of Model Island:

The Committee has identified that Androth and Amini islands shall be the model islands for Management of Solid Wastes. Action Plan for the two islands are to be prepared to comply with the rule. (Action: E&F)

V. Methodology for seeking information from Districts on the four rules through District Collector/ Magistrate:

Lakshadweep is a Union Territory has only one District and the quantum of the waste generation is very small as compared with other States/UTs in India. In Kerala the DM/District Collectors are seeking information in a software since the State have number of districts and big quantum of waste generation.

The Nodal Officer of concerned departments in UTL shall submit the requisite details to Member Secretary, LPCC on 25th of every month. Member Secretary will consolidate the report and submit to the Chairman of the State Level Committee on 30th of every month.

The meeting ended with vote of thanks to the chair.

This issued with the approval of Hon'ble Administrator, UTL and Chairman, State Level Committee vide Note #25 Dated 05.04.2019.



(P. POOKOYA)

MEMBER SECRETARY, LPCC

File No: C-18018/1/2019-LPCC-UT-LKS

Dated 12.04.2019

To

All Concerned

Copy to:

1. Shri Rajesh Das, Advocate, New Delhi for information
2. Member Secretary, CPCB, New Delhi

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ANNEXURE B

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI
O.A NO. 606 OF 2018

IN THE MATTER OF:-

Compliance of Municipal Solid Waste Management Rules, 2016

NODH: 07/02/2020

Crt - No - 1

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THROUGH

Rajesh Kumar Das

Rajesh Kumar Das

Legal Counsel for Lakshadweep Administration

B-244, LGF, G.K. PART-1,

NEW DELHI

Contact-9868676799, 9871795199

Email ID:Orajputra@gmail.com

Report in Compliance to Order Dated 24.04.2019, 14.05.2019 and 12.09.2019 of Original Application No. 606/2018 before National Green Tribunal, New Delhi.

The present report contains the progress that has been made pursuant to the order of the Hon'ble NGT of 14.05.2019 in compliance to the directive at para 45(ii) to furnish quarterly report. This second quarterly report is submitted indicating the progress for the period from 01.08.2019 to 30.11.2019. Further it contains compliance to other court directions. The point wise progress is given below.

2. As per directive at para 45(i) the Advisor has held 3 monthly monitoring meetings on 29.08.2019, 30.09.2019 and 30.10.2019. The copies of the minutes are enclosed as **Annexures-R1, R2 and R3**. Further the Monitoring Cell conducted its 2nd meeting on 29th September, 2019 and the minutes is appended as **Annexure-R4**. The Special Task Force conducted its 2nd meeting on 24th September, 2019. The minutes of meeting of the Special Task Force appended as **Annexure- R5**.

3. As per directive at para 45(iii), the concerned officers/staff have been imparted training by the Department of Environment & Forest. The details of training imparted and the proposed training for the period from 01.11.2019 to 31.03.2020 is at **Annexure R6**.

4. As per the directive at para 45 (iv), the Lakshadweep Pollution Control Committee (LPCC) entrusted the work of "estimating the value of environmental degradation and cost of restoration on the basis of cost benefit analysis" to Cochin University of Science and Technology, Kochi. An interim report is expected to be submitted by first week of January, 2019. This will include the subject of coastal and marine pollution in terms of the Order of 17.09.2019 of the Hon'ble NGT.

5. As per directive at para 45(v) the performance audit of Lakshadweep Pollution Control Committee has been conducted by a Committee constituted by Central Pollution Control Board on 28th May, 2019. The LPCC has taken remedial measures to overcome the weakness/challenges as stated by CPCB as at **Annexure R7**.



6. As per directive at para 45(vi) UTL instituted three awards viz. Gram Shakti Samman, Yuva Shakti Samman and Bala Shakti Samman to the Panchayats, individuals and school students who have significantly contributed to the cause of the environment. The awards for the year 2019-2020 were distributed on 2nd October, 2019. The details are shown at Annexure R8.

7. In terms of the order of Hon'ble NGT dated 24.09.2019 at para 4, the Secretary(Environment) has submitted the current status, desirable level of compliance in terms of statutes, gap between current status and desired levels, proposal for addressing the gap with timelines and name and designation of designated officer for ensuring compliance to provisions under statute in prescribed templates to CPCB on 21st October, 2019 as at Annexure R9.

8. UTL has assigned the roles and responsibilities to different departments for the execution, implementation and regulation of different wastes as at Annexure R10.

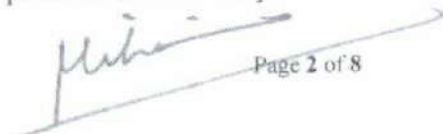
9. In terms of the order of the Hon'ble NGT of 12.09.2019 at para 6 it is proposed to develop the island of Kavaratti as a model city. The steps taken towards this end from the point of view of solid and liquid waste management have been explained in the paragraphs that follow.

Compliance to Solid Waste Rules including Legacy Waste:

10. The Municipal Solid Waste Management incinerator with 100 Kg/Hr capacity at Kavaratti and Agatti have been installed and will be commissioned shortly. In the remaining seven islands the work of supply and installation is under progress. For balance one island of Bitra department has issued order for the installation and commissioning of 25 kg incinerator.

11. On experimental basis a coconut leaf shredder with capacity 15 kg/hr, a plastic bottle shredder with capacity 50 kg/hr and a bio compost machine with capacity 250 Kgs/hr have been installed and commissioned successfully at Kavaratti. It is proposed to install more such machines in the other parts of Kavaratti and other islands in the next six months.

12. The department has distributed 5000 twin bins (Green and blue) to all 2418 households for the purpose segregation and collection at Kavaratti island. Further, 100 Nos. 200 L capacity green bins has been placed in the important


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locations of Kavaratti Island (Community bins) for the collection of Bio-degradable waste generated in day to day manner. A total 1750 blue bin is also placed in all localities of Kavaratti islands for the collection of non-biodegradable waste. The collection and transportation of door to door waste is outsourced to local contractors at a cost of Rs.5 lakh/-per month at Kavaratti. Daily collection is insisted at Kavaratti including holidays through the service providers. It is proposed to extend this programme to other islands in the next six months.

13. The transportation and scientific disposal of segregated non-biodegradable waste viz. scrap, plastic bottles, rubber and chapels, hard plastic, ceramics etc. have been outsourced to a private contractor at a cost of Rs.72000/ (Rupees seventy two thousand) for the year 2019-20 at Kavaratti island. The contractor has already despatched 91MT of segregated waste to mainland for recycle and reuse has been from Kavaratti island.

14. In addition, 34MT recyclable waste has been transported from Kalpeni Island in the month of October, 2019. In all about 500 tons of segregated plastic waste is proposed to be shipped out in the next six months after approval from the Kerala Pollution Control Board.

15. Twenty nine biogas plants to individual houses at Kalpeni island is completed and started functioning as part of decentralisation of waste management activities by providing 100% grant.

16. A number of capacity building programme have been conducted under solid waste during the quarter period and the details are attached at Annexure-R11.

Compliance to Bio -Medical Waste Rules:

17. In terms of the order of the Hon'ble NGT dated 15.07.2019 at para 3.2 the department of Science and Technology has submitted a report dated 30.09.2019. The following points have been addressed.

- i. The inventory survey of the Health Care Facilities in Lakshadweep has been completed. A total of 47 institutions/units have been identified.
- ii. Both State Level Advisory Committee (SLAC) and District Level Monitoring Committee (DLMC) under Bio Medical Waste

 Page 3 of 8

(Management) Rule, 2016 have been constituted as at Annexure R12 and R13.

- iii. A total of 44 institutions out of 47 institutions/units have submitted application to Lakshadweep pollution Control Committee (LPCC) for grant of authorisation which is under process. The remaining three are private clinics who have been instructed to submit their application immediately.
- iv. In regard to implementation of Bar Code System, LPCC has forwarded a letter to CPCB, New Delhi to suggest an appropriate methodology and also to arrange a training programme on the matter of introduction of Bar Code System suitable to this Union Territory for effective implementation of BMW Rules, 2016 vide letter File No.LD-03003/1/2007-LPCC_UT-LKS dated 02.08.2019.
- v. Regarding common bio-medical waste treatment facilities (CBWTFs) to cover all the islands it is stated that common autoclave and incinerator centres will be set up for each island. The tender for autoclaves for installation in all islands was floated by the department of Health Services in September, 2019. However, there was no response. Therefore, the department re-floated the tender which is scheduled to be opened the second week of November, 2019. The installation of incinerators is in progress.
- vi. In terms of directive at para 8 instructions have been issued to the District Magistrate to monitor compliance of environmental norms including bio medical waste twice every month.
- vii. In terms of para 3 revised action plan has been submitted.

Compliance to Construction & Demolition Waste:

18. The Lakshadweep Public Works (LPWD) is the executing and implementing agency for Construction and Demolition Waste in Lakshadweep.

19. The Construction and Demolition Waste generated at the construction stage are re-utilised for the filling up as foundation material for new construction houses considering the acute shortage of building materials in islands.

20. The department has established 21 waste Depository Yard in the Islands of Androth, Agatti, Amini, Chetlat, Kadmat, Kalpeni, Kavaratti, Kiltan and Minicoy and the status is shown at Annexure R14.



21. As per the request of administration the TRU-MANIT (Team Rethinking Urbanism and Maulana National Institute of Technology) visited Lakshadweep for primary assessment of integrated waste and its management and the report is at **Annexure R15**. The TRU-MANIT recommended that *"The C&D waste produced at the island may also be put to use by installing a crusher and segregator plant"*. The C&D recommendation is proposed to be considered only after the ecological impact report received from the environment department concerned.

Compliance to Hazardous Waste Rules:

22. In terms of the order of NGT dated 26.08.2019 the Lakshadweep Pollution Control Committee has submitted a compliance report vide F.No.LD-03006/7/2019-LPCC-UT-LKS dated 19.10.2019 which is at **Annexure-16**.

23. Lakshadweep do not have hazardous waste industries as shown at Schedule I and Schedule II of HOW(M) Rules, 2016.

24. No occupier for management of hazardous and other wastes exists at present.

25. No hazardous management activities or pre-treating, pre-processing or other utilisation activities with respect to hazardous waste is present in Lakshadweep.

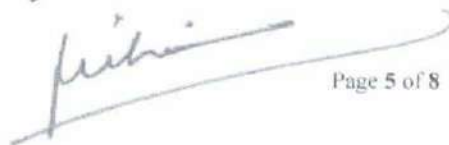
26. No worker or labour is involved in such activities.

27. However, an inventory survey by department of Science and Technology is proposed to identify the actual hazardous waste generated in each island with timeline action plan for its viable management.

Compliance to E-Waste Rules:

28. The Department of Information & Technology as nodal department to implement E-Waste (Management) Rule, 2016.

29. The Department of Science & Technology will do inventory of the E-waste generated in each island with executing agency concerned.



30. A State Level Monitoring Committee (SLMC) and Island Level Monitoring Committee (ILMC) will be constituted by the UT for the implementation of rule in an effective manner.

31. The Nodal Department will empanel an agency for disposal of e-waste from the mainland in consultation with NIC Kavaratti.

Polluter Stretches in the Country:

32. The Union Territory of Lakshadweep do not come under 351 polluter stretches in the country as shown in NGT order in OA No.606/2018, dated 12.09.2019.

Non-attainment cities:

33. The Union Territory of Lakshadweep do not come under 122 Non-attainment cities in the country as shown in NGT order in OA No.606/2018, dated 12.09.2019.

Industrial clusters:

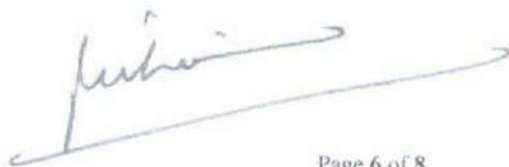
34. The Union Territory of Lakshadweep do not come under 100 industrial clusters in the country as shown in NGT order in OA No.606/2018, dated 12.09.2019.

Status of STP and re-use of treated water:

35. The UT has been declared as open defecation Free (ODF) district by the Drinking Water and Sanitation Ministry, New Delhi.

36. UTL proposes to experiment with installation of Septage Treatment Plant of capacity 5M³ at Kavaratti. An expert has been appointed for this purpose. The land has also been identified for this purpose. If successful it will be extended to other islands.

37. Simultaneously UTL is exploring the possibility of installing bio-toilets in all households across 10 islands. The experiment of bio toilets for 1648 houses was carried out in 2016 and found to be successful as per the scientific report of CWRDM Calicut. A consultative meeting with bio-toilet manufacture and supplies has been held recently and it is proposed float tender thereafter.



Status of CETPs/ETP including performance:

38. Measures are under process to finalise suitable technology to combat pollution from the waste water generated other than faecal matters through households. The LPWD department is appointed as nodal department for this purpose.

Ground water extraction/contamination and re-charge:

39. The department of LPWD is the nodal department to look after water conservation and recharge. Rain is the only fresh water found in the calcareous aquifers of each island, naturally.

40. The roof top rain water harvesting structures are encouraged by UTL providing subsidy, grant and materials to locals in all islands.

41. The Department of Science & Technology has constructed 990, 10000 L capacity ferro cement technology tanks in all islands of Lakshadweep.

42. The department of LPWD is providing fibre tank with 10,000 Litre capacity with technical support to the needy locals for the installation of rain water harvesting structures.

43. A total of 2400 houses out of 11, 847 houses have been installed with rain water harvesting tanks at present.

44. As mentioned earlier UTL is exploring installing bio-toilets in all households that will prevent contamination of the ground water sources.

Air pollution including noise pollution:

45. Ambient air and noise monitoring stations are proposed to be installed all the islands. The proposal in this regard is under consideration.

Illegal sand mining:

46. There is no illegal sand mining in Lakshadweep. However, the department of Environment will keep strict watch to prevent any such activity through its watch and ward staff.



Rejuvenation of Water bodies:

47. Lakshadweep has natural saline water bodies at present in the form of saltwater lake at Cherriyam, the shark lake at Suheli, the Bangaram bird lake, the Thundi water bodies at Minicoy, the south tourist water bodies at Minicoy, the Komalam Lake at Kalpeni and Muttiyar beach at Kavaratti.

48. All these water bodies are in pristine conditions but require annual maintenance for its conservation. This will be done by Department of Environment and Forest which is the nodal department.



(R. MIHIR VARDHAN)
Advisor to Administrator

F.No. 103/11/2019-E&F(P&L) Dated : 31.10.2019


 Resident Commissioner
 UT Admin. of Lakshadweep
 Lakshadweep House,
 Chanakyapuri, New Delhi

**BEFORE THE HONOURABLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH AT NEW DELHI
Original Application No.606/2018**

In the matter of:

Compliance of Municipal Solid Waste Management Rules, 2016

**REPORT OF ADVISOR TO THE ADMINISTRATOR UNION TERRITORY OF
LAKSHADWEEP, INDICATING COMPLIANCE TO ORDER DATED 14.05.2019.**

I Asar pal Singh, S/o Shri Jagat Singh, Age 63 years holding the post of Residential Commissioner of Union Territory of Lakshadweep and having its office at Lakshadweep House, Chanakyapuri, New Delhi, and as authorised by Hon'ble Administrator do hereby solemnly affirm and declare as under;

1. That the aforesaid matter relates to Integrated Solid Waste Management as per the directions of Hon'ble NGT in its orders of OA No. 606/2018 dated 16.01.2019, 14.05.2019 and 12.09.2019.
2. It is submitted that the status up to July, 2019 was submitted to the Hon'ble NGT along with back ground information on 09.08.2019.
3. The present report of the Advisor is pursuant to the order of the Hon'ble Tribunal of 14.05.2019 wherein the following direction has been issued: -

"A quarterly report be furnished every three months. First such report shall be furnished by August 10, 2019".

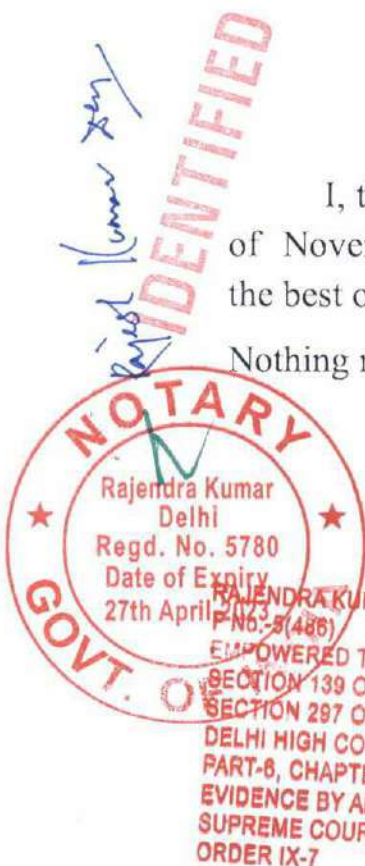
4. In compliance to aforesaid direction enclosed the second quarterly report of the Advisor. It contains compliances in terms of various other directives of the Hon'ble NGT.

Asar pal Singh
Resident Commissioner
UT Administration, Lakshadweep
Lakshadweep House,
Chanakyapuri, New Delhi
(Deponent)

Verification

I, the above named Deponent verify at *New Delhi* on the *5* day of November, 2019 that the contents of the above compliance affidavit are true to the best of my knowledge and as borne out of the official records.

Nothing material has been concealed therefrom.



I HEREBY AFFIRM THAT THE CONTENTS ENCLOSED IN THE DEPONENT EXECUTIVE WHO IS KNOWN PERFECT TO UNDERSTAND & AFFIRMED DEPOSED BEFORE ME AT DELHI ON *05 NOV 2019* IDENTIFIED BY

IDENTIFY THE EXECUTIVE/DEPONENT WHO HAS SIGNED IN MY PRESENCE

RAJENDRA KUMAR, NOTARY, Reg. No. 5780
EMPOWERED TO ADMINISTER THE OATH
SECTION 139 OF CPC 1908
SECTION 297 OF CRPC 1973
DELHI HIGH COURT RULES 1987
PART-8, CHAPTER XVIII-227
EVIDENCE BY AFFIDAVIT BEFORE NOTARY
SUPREME COURT RULES, 2013
ORDER IX-7

IDENTIFIED

1105177

ATTESTED

RAJENDRA KUMAR
NOTARY, DELHI-R-5780
GOVERNMENT OF INDIA
SUPREME COURT OF INDIA
COMPOUND, NEW DELHI
Register Pg./Sl. No.

Asar pal Singh
Resident Commissioner
UT Administration, Lakshadweep
Lakshadweep House,
Chanakyapuri, New Delhi
(Deponent)

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05 NOV 2019

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI
O.A NO. 606 OF 2018

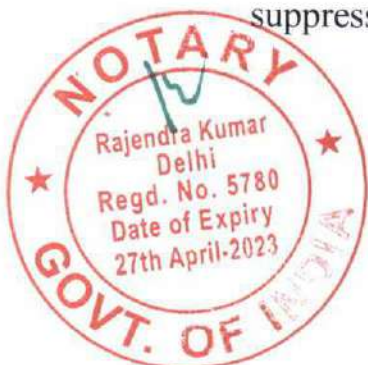
IN THE MATTER OF:-

Compliance of Municipal Solid Waste Management Rules, 2016

AFFIDAVIT

I, Asar Pal Singh ,S/o Sh. Jagat Singh ,Age- 63, holding the post as Residential Commissioner of Union Territory Of Lakshadweep having its office at Laksha Dweep House, Chanakyapuri, New Delhi as authorized by Hon'ble Administrator do hereby solemnly affirm and declare as under:

1. I m the deponent in the present OA as such I well conversant with the facts of the case and thus competent to swear this affidavit.
2. I state that I have read and understood the contents of the compliance report and I say that the facts stated there in are true and correct to my knowledge based on information received by me from concerned authorities and records and the same are not being repeated herein for the sake of brevity and be read as an integral part hereof .
3. I say that the annexures annexed with the present compliance report are true copies of their respective originals.
4. That the contents of instant paragraphs are factual as provided by competent authority which I believe the same to be true and nothing material is suppressed or concealed there from .



[Signature]
DEPONENT

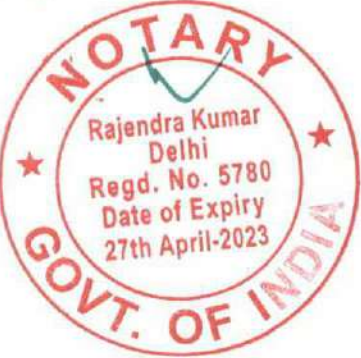
Place: *Noida*

Date: 05 NOV 2019

Verified on this the.....day of2019

Rajendra Kumar

IDENTIFIED



[Signature]
DEPONENT

Resident Commissioner
UT Admin. of Lakshadweep
Changanassery, New Delhi

ATTESTED
[Signature]
RAJENDRA KUMAR
NOTARY, DELHI-R-5780
GOVERNMENT OF INDIA
SUPREME COURT OF INDIA
COMPOUND, NEW DELHI
Register Pg./Sl. No.

9899446209

05 NOV 2019

RAJENDRA KUMAR, NOTARY, Reg. No. 5780
F No.-5(486)
EMPOWERED TO ADMINISTER THE OATH
SECTION 139 OF CPC 1908
SECTION 297 OF CRPC 1973
DELHI HIGH COURT RULES 1967
PART-6, CHAPTER XVIII-227
EVIDENCE BY AFFIDAVIT BEFORE NOTARY
SUPREME COURT RULES, 2013
ORDER IX-7

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CERTIFIED THAT THE CONTENTS EXPLAINED TO THE
DEPONENT EXECUTIVE WHO IS SEEMED PERFECTLY
UNDERSTAND & AFFIRMED DEPOSED BEFORE ME AT
DELHI ON.....
05 NOV 2019
IDENTIFY THE EXECUTIVE DEPONENT WHO HAS
SIGNED IN MY PRESENCE

IDENTIFIED

Rajendra Kumar Das

Notes of meeting in connection with 6th State Level Advisory Body (SLAB) on Solid Waste Management dated 29.08.2019 in Lakshadweep

The 6th State Level Advisory Body (SLAB) meeting conducted in Secretariat Conference Hall (Ground Floor) on 29.08.2019 at 4.00 PM under the Chairmanship of Shri. Mihir Vardhan, IAS, Hon'ble Administrator & Chairman, SLAB, UTLA, Kavaratti. The members who attended the meeting are shown at Annexure -I

The Range Forest Officer & Head, Policy & Legal Division, Department of Environment & Forests welcomed the Chairman and SLAB members. The officer made detailed presentation on status and implementation of integrated waste management in respect of earlier meeting dated 24.07.2019 and the achievements thereafter up to 28th August, 2019.

After a detailed discussion of agenda points and action taken report, the body have taken the following decisions.

1. Door to Door collection and disposal of Solid Waste in Lakshadweep: After discussion the SLAB recommended to implement Door to Door collection and transportation services through tender process, immediately (Action : RFO & Head, Environment Division, E&F, Kavaratti)
2. Installation of Bio Gas plant: The Chairman directed department of Science & Technology to repair and maintain the existing 10 Bio Gas plants kept at CGD, on priority. (Action: Director, S&T, Kavaratti).
3. Installation of Composter and Shredder machines: The limited tender is floated for Organic Compost Machine, Plastic Shredder and Coconut leaf shredder machine at Kochi. The department deputed Consultant, E&F to assist the Administrative Officer, Kochi to procure the machine. The machine can be brought to Kavaratti within a month period. (Action : RFO & Head, Environment Division, E&F/AO, Kochi)
4. Training to Officials under Integrated Waste Management in Lakshadweep: The Director, S&T reported that training is completed in 5 islands to the officials/workers under integrated waste management. The remaining islands will be conducted in the month of October, 2019. The Chairman directed the S&T/LPCC to carry out the training programme in all remaining islands on or before 31st October, 2019 (Action: Member Secretary, LPCC & S&T, Kavaratti)
5. Capacity Building to Students in school: The Department of Environment & Forest informed that special programme/capacity building/seminar/competitions etc. will be conducted to all



1 | Page

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school students in connection with Swachh Hi Seva from 11th September to 27th October, 2019. (Action: RFO & Head, Environment Division, E&F, Kavaratti)

6. **Installation of Municipal Solid waste Incinerator in Lakshadweep:** 5 numbers 100 Kgs incinerator meant to Kavaratti, Agatti, Amini Androth and Minicoy reached in islands. The work of incinerator at Kavaratti and Agatti is under progress. It is expected to complete the installation on or before 30th October, 2019. After the successful installation and commissioning of the above two incinerator, the team will start work in other islands (Action: Conservator, E&F, UTLA)
7. **Development of Website for Integrated Solid Waste Management:** The Chairman directed to approach Technical Director, NIC or Director, Information Technology to develop a website under integrated waste management in Lakshadweep (Action: RFO & Head, Policy & Legal Division / Website Coordinator, P&L, E&F, Kavaratti)
8. **Submission of Annual Report to CPCB:** The Director, Department of Science & Technology informed that the Annual Report under integrated waste is submitted in time to CPCB, New Delhi. The Chairman directed the department to look after all the "Gap areas" identified in Solid Waste (Management) Rule, 2016, Construction and Demolition waste (Management) Rule, 2016, Plastic Waste (Management) Rule, 2016 and Bio Medical Waste (Management) Rule, 2016 by CPCB, New Delhi, on priority (Action: Director & Member Secretary, LPCC / S&T, UTLA).
9. **Ban on Single Use Plastic in UTLA:** 13 numbers single use plastic banned with effect from January, 2019. A number of complaints from public and firms received by the department against ban of mineral water bottles, packed commodities item etc. The Chairman directed the Monitoring cell to look after the matter in detail and report in the next meeting (Action: Member Secretary, Monitoring Cell, UTLA)
10. **Enforcement of Sanitation & Health in UTLA:** The SE, LPWD informed that the department repaired all the leakage septic tank under government sector as reported. The Director, Medical & Health Services reported that the department issued notices to all households (32 Nos.) for urgent action. The chairman directed the department to report the action in the matter with status in the next meeting (Action: Director Medical Health & Services, UTLA).
11. **Incinerator for Bio Medical Waste:** The department only received 2 bids for the 10 nos. 10 kgs Bio Medical Incinerator's and 2 nos., 25 kgs Municipal Solid Waste management incinerator. The Technical Evaluation Committee (TEC) found that the firm quoted exorbitant amount even after negotiation and recommended for cancellation. Also recommended for re



- tender process for the procurement of the same. The Chairman, SLAB directed to do the re-tender process in time bound manner and complete on or before 30th October, 2019 by observing codal formalities (**Action: Conservator, E&F/ Director Medical Health & Service, UTLA**).
12. **Land for Biomedical Waste Management:** The department of Environment & Forest informed their consent to handover 1200 sq. old incinerator site to Medical & Health services. The Director, Medical & Health Services should take prior consent of the land owner before setting the machineries/incineration unit in the land. Also the Director, Medical & Health Services explore the possibilities of land in other islands for the installation and commission of Bio Medical incinerator's as per schedule (**Action: RFO & Head, Policy & Legal Division**).
 13. **Meeting of STF:** The first meeting of Special Task Force (STF) is conducted on 23rd July, 2019. The task force directed all peripheral units not to burn solid waste in any manner and methodology may be adopted to convert to manure through appropriate technology. The STF also directed all peripheral units to take stringent action against use of banned single use plastic in islands (**Action: DC/SDO in Islands/RFO & Head, Environment Division**).
 14. **Action Plan on Refused Derived Fuel:** The Chairman, SLAB directed Executive Engineer, Electricity to submit a timeline Action Plan with quantity generation of Refused Derived Fuel (RDF) from the electricity generators in all islands, immediately (**Action: EE, Electricity, UTLA**).
 15. **Publication of NGT order in Local Language:** The RFO, P&L reported that District Panchayat do not have Malayalam translator at present. The Chairman, SLAB directed to explore the possibility through Information & Public relation department to translate the Hon'ble NGT order in OA No.606/2016 dated 14th May, 2019 in Malayalam and circulate among public for information (**Action: Conservator, E&F/Director, IPR, UTLA**).
 16. **Ranking based performance and Rewards:** The department instituted three awards under Swachh HI Seva viz. Gram Shakti Samman, Yava Shakti Samman and Bal Shakti Samman with a total cost of Rs.10.75/- (Rupees ten lakh seventy five thousand) only. The award will be presented on 2nd October, 2019 for the outstanding work taken in the field of Awareness, and education in Swachh areas (**Action: Conservator, E&F, UTLA**).
 17. **Estimate the value of Environmental Degradation and Cost of restoration:** The Hon'ble NGT as in para 45 (iv) dated 14.05.2019 directed UTLA to estimate the value of Environmental Degradation and cost of restoration to the tribunal before 31st December, 2019. The Director,



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Department of Science & Technology in consultation with accredited organisation may complete the task before the due date. An update status with road map of the work in the matter should submit in the next SLAB meeting (**Action: Director & Member Secretary, LPCC / S&T, UTLA**).


18. **Performance Audit of Lakshadweep Pollution Control Committee (LPCC):** The Performance Audit of LPCC is conducted by CPCB in the month of May, 2019.
19. **Procurement of Machineries under Bio Medical Waste Management:** The Director, DMHS informed that the department invited quotation for autoclave. No firms participated in the tender. The Chairman directed the department to float again tender for all machineries require for the management of Bio medical waste as per approval received from the administration. An officer may be appointed for the day today progress of the work under the division (**Action: Director, DMHS, Kavaratti**).
20. **Installation of Commissioning of septage treatment plant:** The Technical Committee under Secretary, Environment & Forest approved 5 M3 septage treatment plant with Bio Park at Kavaratti in the land identified by the department near Government Diary Farm, Kavaratti. The committee also proposed to receive Rs.7.5 crore allocated by SMART city for the project (**Action: Conservator, E&F/CTO, SMART City**).
21. **Monitoring Committee Meeting:** The Monitoring Committee under Advisor to Administrator met on 15.07.2019. The committee recommended to implement Bio fencing with coconut leaf stick, Training to Medical staff and Uniform/liveries to Swachh workers in the UTLA. The chairman directed the department to implement the same in time bound manner.
22. **Awareness creation and popularisation:** The chairman opined to place at least 5 sign boards with caption under Swachh Lakshadweep Abhiyan through Long Term Coral Reef Monitoring Networks (LTCRMN) on priority (**Action: RFO, Wildlife, E&F, Kavaratti**).
23. **Compliance of Bio Medical Waste Management:** The Hon'ble NGT vide order in OA No.710 to 713 directed the UTLA to take appropriate action to streamline Bio Medical Waste management in Lakshadweep. The chairman directed Member Secretary, LPCC and Director, Medical Health Services to ensure compliance of direction on urgent basis (**Action: Director, S&T/Director, DMHS**).
24. **Compost pit to treat Kitchen waste at Kavaratti Island:** The RFO, Environment reported that 45 M3 compost pit is require for the treatment of kitchen waste generated from Kavaratti Island on sustainable manner. The Central Garbage Depository (3090 sq.m) identified for Non

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bio degradable waste collection and disposal is not sufficient to meet the requirement at present. Considering the above the department invited land through notice and received 4180 sq.m land near the CGD. The Chairman directed to submit the file for approval to take land for three years for the establishment of Bio Degradable Depository for the management of kitchen waste in island.

The body meeting ended with thanks to the chair.

This is issued with the approval of Hon'ble Administrator, UTLA vide diary No. 3297, dated 10.10.2019

() आईएफएस
(Damodhar A.T.) IFS
वन संरक्षक
Conservator of Forests

F.No.66/3/2018-E&F, Dated 10.10.2019

To

1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The Hon'ble Secretary, Ministry of Environment, Forests & Climate Change New Delhi for his kind information, please.
2. The Chairman, Central Pollution Control Board, New Delhi for his kind information, please
3. The PA to Advisor to Administrator, UTL

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Annexure-1

**DIGNITARIES / OFFICIALS ATTENDED IN THE 6th STATE
LEVEL ADVISORY BODY, MEETING
ON 29.08.2019 AT 04.00.PM**

SL.NO.	NAME AND DESIGNATION	SIGNATURE
1		
2	Vijendra Singhani, Collectr / Secy (PWT)	SE
3	Danodhan A.T., Secy (EPF)	29/8/19 29/08/19
4	Dr. P. Attakoya. CEO	Prakhy
5	C.N. Sheyakhani.	SE
6	R.P. Thangakoya Dir (Comptrolr)	Compt
7	P. ABDUL SAMAD DIR (INDIA AGRI)	P. Samad
8	Lekhtaj ADM	LP
9	S. S. Srinivasan Dir. In.	S. S. Srinivasan
10	ABDUL SHUKOOR. Th. PCC	Shukoor
11	Dr. A. S. M. M. Khan DHS	Dr. Khan
12	Nagender SP VDP MCP	Nagender
13	P. P. P. P. P. Member Secretary, LRC	P. P. P. P. P.
14	Dr. K. Syed Ali Rfo	Dr. Syed Ali
15	A. I. Muhsin. Scientific, DSR, VTC	A. I. Muhsin
16	Dr. Sabitha P. Hassan	Dr. Sabitha P. Hassan
17	Syed Shaik Khyat P.	Syed Shaik Khyat P.
18	A.C. Abdul Jabbar RFO (KRM)	A.C. Abdul Jabbar
19		
20		
21		
22		

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Minutes of meeting in connection with 7th State Level Advisory Body (SLAB) on Solid Waste Management dated 30.09.2019 in Lakshadweep

The 7th State Level Advisory Body (SLAB) meeting conducted in Secretariat Conference Hall (Ground Floor) on 29.08.2019 at 4.00 PM under the Chairmanship of Shri. Mihir Vardhan, IAS, Hon'ble Administrator & Chairman, SLAB, UTLA, Kavaratti. The members who attended the meeting are shown at **Annexure -I**

The Range Forest Officer & Head, Policy & Legal Division, Department of Environment & Forests welcomed the Chairman and SLAB members. The officer made detailed presentation on status and implementation of integrated waste management in respect of earlier meeting dated 29.08.2019 and the achievements thereafter up to 29th September, 2019.

After a detailed discussion of agenda points and action taken report, the body have taken the following decisions.

1. **Door to Door collection and disposal of Solid Waste in Lakshadweep:** The Door to Door Collection of solid waste started to operate through private contractor with effect from 20th September, 2019. The average kitchen waste generation is 1300-1500 kgs per day at present. The contract is given for collection and transportation of solid waste generated from household level at Kavaratti Island. The public bins collection, segregation of waste and meaningful disposal in the site will be the responsibilities of the department. (Action : RFO & Head, Environment Division, E&F, Kavaratti)
2. **Installation of Bio Gas plant:** The Director, S&T informed that their technician will shortly visit and repair all the 10 Nos. Bio Gas plant installed at Central Garbage Depository (Action: Director, S&T, Kavaratti).
3. **Installation of Composter and Shredder machines:** The Organic Compost Machine, Plastic Shredder and Coconut leaf shredder machine reached Kavaratti. The manufactures/Distributors will reach on 7th September, 2019 for its installation and commissioning (Action : RFO & Head, Environment Division, E&F/AO, Kochi)
4. **Training to Officials under Integrated Waste Management in Lakshadweep:** The Director, S&T informed that the team from Kerala Pollution control Board shortly visited the remaining islands for capacity Building and training. The Chairman directed to complete the training on or before 31st October, 2019 (Action: Member Secretary, LPCC & S&T, Kavaratti)
5. **Capacity Building to Students in school:** The Department of Environment & Forest conducted International Ozone Day with special focus to plastic elimination in all islands on 16th September, 2019. A coastal clean-up programme with the help of NCC/NSS volunteers


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- conducted in the island of Kavaratti and Kadmat on 21st September, 2019. The department given varieties of competition to all school in Lakshadweep under Swachh Hi Seva on 11th September, 2019. The programme will be conducted by school authorities and prizes will be distributed on 2nd October, 2019 in connection with Ghandi Jayanti Celebration (Action: RFO & Head, Environment Division, E&F, Kavaratti)
6. **Installation of Municipal Solid waste Incinerator in Lakshadweep:** Kavaratti and Agatti island incinerator installation is in finishing stage. The same may be completed and commissioned on 21st October, 2019 (Action: Conservator, E&F, UTLA)
 7. **Submission of Annual Report to CPCB:** The Director, Department of Science & Technology informed that the "Gap areas" identified in Solid Waste (Management) Rule, 2016, Construction and Demolition waste (Management) Rule, 2016, Plastic Waste (Management) Rule, 2016 and Bio Medical Waste (Management) Rule, 2016 by CPCB, New Delhi is under work and will submitted detailed report soon. The Chairman directed to submit report in the next meeting for action (Action: Director & Member Secretary, LPCC / S&T, UTLA).
 8. **Ban on Single Use Plastic in UTLA:** The kiltan Island seized plastic carry bags from 6 shops and fined for Rs.6000/- (Rupees six thousand) only in the month of September, 2019. The chairman directed all the DC/SDO to do similar exercises and surprise checking to check the illegal trade of banned plastic in Lakshadweep. Also directed Port department and LDCL to create awareness among the tourists/local on banned plastic item by printing caution notice on plastic on the back side of ship/vessel tickets (Action: DC/SDO/Director, Port/MD, LDCL)
 9. **Enforcement of Sanitation & Health in UTLA:** The Director, Medical & Health Services intimated to report factual position of leakage septic tank in all islands along with action taken report the next SLAB meeting (Action: Director Medical Health & Services, UTLA).
 10. **Incinerator for Bio Medical Waste:** The re quotation floated both for Municipal Waste Management Incinerator (2 Nos.) and Bio medical waste management incinerator (10 Nos.) through website and leading newspapers. The e-tender bid will be opened on 3rd October, 2019 (Action: Conservator, E&F/ Director Medical Health & Service, UTLA).
 11. **Land for Biomedical Waste Management:** The Director, Medical & Health Services reported that the land requirement, availability and status in all islands for the installation and commission of Bio Medical Incinerator will present in the next SLAB meeting (Action: RFO & Head, Policy & Legal Division).
 12. **Meeting of STF:** The 2nd meeting of Special Task Force (STF) is conducted on 24th September, 2019. The STF noted that the peripheral units started enforcement of law under plastic ban in many islands. However these are some instances of burning of waste even after



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- repeated direction from the Administration. The chairman directed the department to distribute pamphlets to all 12000 households in Lakshadweep showing hazardous effect of solid waste burning and its impacts to human and other living creatures in the environment (**Action: RFO & Head, Environment Division**).
13. **Action Plan on Refused Derived Fuel**: The Executive Engineer, Electricity reported to submit a timeline Action Plan with quantity generation of Refused Derived Fuel (RDF) from the electricity generators in all islands in the next SLAB meeting (**Action: EE, Electricity, UTLA**).
 15. **Publication of NGT order in Local Language**: The NGT order dated 14.05.2019 in OA No.606/2018 given to Editor, Lakshadweep Times for translate to Malayalam and its publication in Lakshadweep times. It is expected to be published in the newspaper on 20th October, 2019 (**Action: Conservator, E&F/Director, IPR, UTLA**).
 16. **Ranking based performance and Rewards**: The department selected Chetlat, Kavaratti and Kalpeni for Gram Shakti Samman, 2019. The Gram Shakti Samman consists of Rs.5 lakh, Rs.3 Lakh and Rs.1 Lakh for 1st, 2nd and 3rd respectively with certificate. The Yava Shakti Samman consists of Rs.50, 000, Rs.25, 000 and Rs.10, 000 respectively. The Bal Shakti Samman consists of Rs.5000, Rs.3000 and Rs.1000 to each island in Lakshadweep. The award will be presented on 2nd October, 2019 by Hon'ble Administrator in connection with Gandhi Jayanti celebration (**Action: Conservator, E&F, UTLA**).
 17. **Estimate the value of Environmental Degradation and Cost of restoration**: The Director, Department of Science & Technology informed the body that the department will submit an update status with road map of the work in the matter in the next SLAB meeting (**Action: Director & Member Secretary, LPCC / S&T, UTLA**).
 18. **Procurement of Machineries under Bio Medical Waste Management**: The Director, DMHS informed that the re quotation for autoclave is published. All other machineries require for the management of Bio medical waste will purchase soon. The department will submit item wise purchase of machineries with installation details at Health Care facilities (HCF) in island in the next SLAB meeting (**Action: Director, DMHS, Kavaratti**).
 20. **Installation of Commissioning of septage treatment plant**: The department submitted proposal to appoint a consultant for the preparation of Detailed Project Report (DPR) for the Integrated Environment Management (IEM) in Lakshadweep including preparation of project for "setting up of Septage treatment plant" at Kavaratti Island. The SMART city requires DPR

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from the department for the release of amount for Rs.7.25 crore earmarked for the project (Action: Conservator, E&F/CTO, SMART City)

21. **Monitoring Committee Meeting:** The 2nd Monitoring Committee under Advisor to Administrator met on 29.09.2019. The committee recommended to make inventory survey with respect to inpatient/outpatient treatment/day along with amount of waste generation in each HCF's. Also implement Bio Medical Waste Management Rule, 2016 by procuring essential and immediate equipment's/machineries viz. needle burner, autoclave etc. and to set up one primary storage area in each HCF's to store primary treated Bio Medical collected waste. The LPCC also had consultation with National Safety Council, Kerala Chapter to take capacity building to hospital staff engaged with Bio Medical Waste Management in all islands (Action: Director DMHS/Director, S&T/Member Secretary, LPCC)
22. **Awareness creation and popularisation:** The department informed that 8 nos. sign board under Swachh Lakshadweep is already placed at Kavaratti Island. The work is under process to install board in other islands. The department will complete the target on or before 31st December, 2019 (Action: RFO, Wildlife, E&F, Kavaratti).
23. **Compliance of Bio Medical Waste Management:** The Member Secretary, LPCC informed that detailed report submitted under OA No.710 to 713 to Central Pollution Control Board (CPCB), New Delhi in time bound manner. No further action is required under the matter at present
24. **Compost pit to treat Kitchen waste at Kavaratti Island:** The department informed that proposal will be mooted for the procurement land for the management of Biodegradable waste near CGD on hire basis (Action: RFO, Policy & Legal, E&F)
25. **Implementation of Lakshadweep Solid Waste Management Bye Law, 2018:** The Chairman opined to modify the bye law by including DC/SDO in islands, Executive Officer, VDP in Islands and Sub Inspector of Police in all Islands as Authority to implement the same (Action: RFO, Policy & Legal, E&F)
26. **Management of Slaughter House in Islands:** Dr.Sajeevan, Chairman, Monitoring Committee opined that the waste generation from slaughter houses in islands need to be sanitised as per the act and rules prevailed under Environment Protection Act, 1986 and the rules thereunder. The Chairman directed Director, Animal Husbandry and Member Secretary, LPCC to look after the matter and submit a detailed report to the body in the next meeting (Action: Director, Animal Husbandry/Member Secretary, LPCC).

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The body meeting ended with thanks to the chair.

This is issued with the approval of Hon'ble Administrator, UTLA vide diary No. 3297, dated 10.10.2019


(दामोदर ए.टी.,) आईएफएस
(Damodhar A.T.,) IFS
वन संरक्षक
Conservator of Forests

F.No.66/3/2018-E&F, **Dated 10.10.2019**

To

1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The Hon'ble Secretary, Ministry of Environment, Forests & Climate Change New Delhi for his kind information, please.
2. The Chairman, Central Pollution Control Board, New Delhi for his kind information, please
3. The PA to Advisor to Administrator, UTL

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Annexure-1

**DIGNITARIES / OFFICIALS ATTENDED IN THE 7th STATE LEVEL
ADVISORY BODY, MEETING ON 30.09.2019 AT 04.00.PM**

SL.NO.	NAME AND DESIGNATION	SIGNATURE
1	O. P. Mishra Secy (E&F)	[Signature]
2	V. S. Kumar Culture (E&F)	[Signature]
3	Leela J. ADM	[Signature]
4	Dr. P. Attakoya. Dir (AH)	[Signature]
5	Dr. Mohommad Aslam, DHS	[Signature]
6	N. C. Mooss, SDO, leadmat	[Signature]
7	M. K. Changa Kays, SDO, Kalpani	[Signature]
8	Radeeshah SDO, Kildhar	[Signature]
9	Sanjay Sankarappa, SDO, Chittat	[Signature]
10	Nizamuddin Koya SDO - Ammini	[Signature]
11	Nageshwar. AP. vice chairperson ver. KVT	[Signature]
12	Dr. R. Syed Ali RFO.	[Signature]
13	Muhsin A. I. Scientist, DST	[Signature]
14	P. Pookaya, Member Secretary, LAC	[Signature]
15	C. N. Shayahan. SG	[Signature]
16	P. C. Hameed, DC (Hq.)	[Signature]
17	T. Karuna DC, KVT	[Signature]
18	A. C. Abdul Jabbar A C	[Signature]
19	H. Srinivasan Tech. Expert Member	[Signature]
20	Ankit Yadav DC, Gathi	[Signature]
21	Hon'ble Administrator	sd/-
22		
23		
24		

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Minutes of meeting in connection with 8th State Level Advisory Body (SLAB) on Solid Waste Management dated 30.10.2019 in Lakshadweep

The 8th State Level Advisory Body (SLAB) meeting conducted in Secretariat Conference Hall (Ground Floor) on 30.09.2019 at 4.00 PM under the Chairmanship of Shri. Mihir Vardhan, IAS, Advisor to Administrator & Chairman, SLAB, UTLA, Kavaratti. The members who attended the meeting are shown at Annexure -I

The Range Forest Officer & Head, Policy & Legal Division, Department of Environment & Forests welcomed the Chairman and SLAB members. The officer made detailed presentation on status and implementation of integrated waste management in respect of earlier meeting dated 30.09.2019 and the achievements thereafter up to 29th October, 2019.

After a detailed discussion of agenda points and action taken report, the body have taken the following decisions.

1. **District Committee for District Environment Plan:** A District Committee under the Chairmanship of District Magistrate to be constituted for District Environment Plan monitoring as per Hon'ble NGT OA No.710-713/2017 dated 15.07.2019 (Action : ADM, UTLA, Kavaratti)
2. **Monitoring Committee under E-waste (M) Rule, 2016:** A State and Island level Committee for monitoring compliance at State/Island level on E-waste management to be constituted as per Hon'ble NGT direction in OA No.512/2018, dated 12.02.2019 (Action: Director, IT, Kavaratti).
3. **Door to Door Collection of Waste in other Islands:** The Hon'ble Administrator desired that status of distribution of buckets in Kavaratti be provided, immediately. Arrangement be made to start Door to door Collection of waste at Andrott and Amini in the same line successfully implemented at Kavaratti Island (Action :RFO (HQ)/ RFO & Head, Environment Division, E&F)
4. **Transportation of Cement bags to Mainland:** The department take immediate action to transport 500 MT cement bags lying at CGD of different islands in consultation with Kerala Pollution Control Board (KPCB) and mainland bidders competent for the same (Action: Conservator of Forests, E&F, Kavaratti)
5. **Procurement of Higher Capacity Bio Composter:** The action be initiated to purchase 2 Nos., 500 kg Bio composter for the treatment of Door to door collection daily waste at Kavaratti (Action: Conservator of Forests, E&F, Kavaratti)
6. **Bio Toilets installation and Commissioning:** The department to float E-tender by observing formalities for installation and commission of 12000 bio toilets in islands on or before 31.11.2019 (Action: Director, S&T, UTLA)
7. **Installation of Septage Treatment Plant:** The department of Environment & Forest prepare and submit Draft Request For Proposal (RFP) to Superintending Engineer, LPWD for finalisation and its execution (Action: Conservator of Forests, E&F/SE, LPWD).

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- Treatment of waste Water generating from household/Government Building/Government Quarter The department may initiate action to appoint a consultant for the assessment and recommendation of treating of waste water generated besides faecal matter from Household/ Government buildings/Government Quarters, within two months period (Action: Director, S&T)
9. Waste water generation from Health Care Facilities: The department may inventorise and submit the liquid waste/waste water generation from each HCF's working in islands. The action taken may be submitted within two months (Action: Director Medical Health & Services, UTLA).
 10. Air & Noise Pollution: The department may take action to procure and install Air and Noise monitoring station in all islands (Action: Director, S&T, UTLA).
 11. Authorisation of Health Care facilities: The Department of Medical & Health Services shall be submit the remaining 14 application's for authorisation, immediately. The LPCC shall direct the 3 numbers private Health Care facilities to submit their application for authorisation on priority (Action: Director, DMHS/Director, S&T).
 12. Waste Treatment facilities at HCF's: The department may submit the current status of treatment facilities along with action initiated to purchase treatment facilities to each HCF's in islands (Action: Director, DMHS/Director, A(H)/LPCC).
 13. Meeting of State Advisory Committee/DLMC: The action to be initiated to conduct State Advisory Committee (SAC) and District Level monitoring Committee meeting under Bio Medical Waste (Management) Rule, 2016 (Action: Director, DMHS/DC/SDO's in islands).
 15. E-Waste Management: The department of Science & technology shall inventorise the E-waste generated in each island in consultation with executing department. The nodal department will empanel an agency for disposal of e waste from mainland in consultation with NIC, Kavaratti. (Action: Director, S&T/LPCC/Director, IT/Technical director, NIC)

The body meeting ended with thanks to the chair.

This is issued with the approval of Hon'ble Administrator, UTLA vide diary No. _____, dated 31.10.2019


 (O.P. Mishra) DANICS
 वन संरक्षक
 Conservator of Forests

F.No.66/3/2018-E&F, Dated 31.10.2019

To

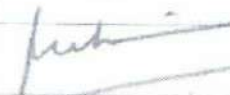
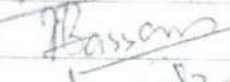

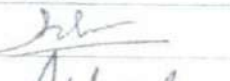
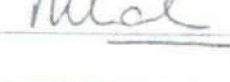
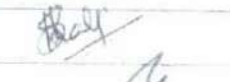

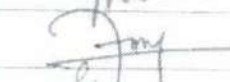
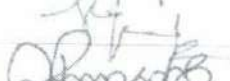
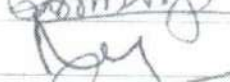


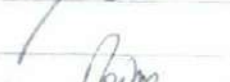






1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The PA to Hon'ble Administrator, UTL for kind information, please.

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8th State Level Advisory Body (SLAB) meeting under section
23(1) of Solid Waste Management Rules, 2016-Participants List

Sl.No	Name & Designation	Signature
1	Shri Mihir Vardhan	
2	B. Hassan PCC DP	
3	T. Abdul Kader, CP KWT	
4	C.M. Shayahan. SE	
5	Azhak David C. AOC	
6	Dr. Mohamed Akram	
7	K.P. Nangarkoye, Dir LE	
8	Dr. Sabita F Hassan, PHS	
9	Dr. P. Attakoya. CEO, Dir (AA)	
10	K. BUZAR JAMHAR DIRECTOR (PANCH)	
11	A.I. Muhsin, Scientist, DST, UTL	
12	P. Syed Shaik Koya RFO (HQ)	
13	P. Pookong, M.S, LPCC.	
14	P. Abdul Samad D'm Ch,	
15	V. S. K. + Colm	
16		
17	Om. Prakash Mishra (Secy of the Govt)	
18	Om. Pra	
19	Bashir Ahmed .PK. SIO, NIC	
20	A.C. Abdul Jabbar, RFO & Head (PH)	
21		
22		
23		
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Minutes of meeting in connection with State Level Monitoring Cell (SMC) under Solid Waste Management Rule, 2016 dated 29/09/2019

The 2nd State Level Monitoring Cell (SMC) meeting conducted under the Chairmanship of Dr.K.Sajeevan, Chairman, State Level Monitoring Cell under Advisor to Administrator, UTLA, Kavaratti on 29th September, 2019 at 5 PM. The members who attended in the meeting are shown at **Annexure -I**

The Range Forest Officer & Convenor, Monitoring Cell welcomed the Chairman and Monitoring Cell Members. The officer made detailed presentation on status and implementation of integrated waste management in respect of earlier meeting dated 15th July, 2019 and the achievements thereafter up to 27th September, 2019.

After a detailed discussion of agenda points and action taken report, the Monitoring Cell has taken the following decisions.

1. **Compliance to Bio Medical Waste (Management) Rule, 2016:** The Monitoring Cell discussed the Hon`ble NGT OA No.710, 711, 712 and 713/2017 dated 15.07.2019 and recommended the following points for immediate action through Implementing/Regulating Authority are as detailed below.
 - (a) Inventory of all Healthcare Facilities and biomedical waste generation (**Action: Director, DMHS**)
 - (b) Authorisation to all Healthcare Facilities including non-bedded HCF's (**Action: Director, DMHS/ Member Secretary, LPCC**)
 - (c) Facilitate to set up Biomedical Waste Treatment Facilities in all Islands/common facilities (**Director, DMHS/ Member Secretary, LPCC**)
 - (d) Constitution of state Advisory Monitoring Committee and District Level monitoring Committee (**Action: Director, DMHS/ Member Secretary, LPCC**)
 - (e) Implementation of Barcode system (**Action: Director, DMHS/ Member Secretary, LPCC**)
 - (f) Monitoring of Healthcare Facilities other than hospitals/clinics such as Veterinary Hospitals, Animal Houses, AYUSH Hospitals, Private Clinics (**Action: Director, DMHS/ Member Secretary, LPCC**)
 - (g) The copy of the report compliance of the above order dated 15.07.2019 is submitted to the Monitoring cell on or before 29th October, 2019 to appraise in the SLAB meeting scheduled to be conducted on 30th October, 2019 (**Action: Director, DMHS/ Member Secretary, LPCC**)
 - (h) Biomedical waste training to HCF's staff conduct through National Safety Council, Kerala Chapter in all Islands. The Chairman, Monitoring Cell facilitate bilateral talk between the department and National Safety Council, Kerala Chapter in this regard (**Action: Director, DMHS/ Chairman, Monitoring cell**)
 - (i) The Inventory of Liquid waste generation/day from HCF's in all islands shall be carried out and submitted factual report to the monitoring cell for the preparation of strategies for its scientific disposal, immediately (**Action: Director, DMHS/ MS, LPCC**)

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2. **Compliance to Plastic Waste (Management) Rule, 2016:** The following actions are recommended are as detailed below.

- (a) Carry out strict implementation of Single Use plastic ban through peripheral units in islands (**Action: CF, Environment & Forests**)
 - (b) The Solid Waste (Management) Bye Law, 2018 may be amended by including Deputy Collector/SDO's/EO, VDP's for its effective implementation especially ban on Single Use Plastic in Lakshadweep (**Action: RFO & Head, Environment**)
 - (c) The department shall make arrangements to transport segregated plastic cement bags (500 MT) kept at various Central Garbage Depository in islands through bilateral talk with cement factories at Kochi/Malabar, Kerala (**Action: RFO & Head, Environment**).
 - (d) It is recommended to install napkin destroyer in all schools in Lakshadweep along with maintenance and operation facilities (**Action: RFO & Head, Environment**).
3. The Monitoring cell recommended to take immediate action on Refused Derived Fuel (RDF) generating from Electricity department and refused fuel from automobiles running in islands (**Action: EE, Electricity/ Director, Road Transport**).
 4. It is recommended to take immediate action to streamline slaughter houses as per CPCB guidelines/Hon'ble NGT Order in this regard (**Action: Director, Animal Husbandry/MS, and LPCC**).

This is issued with the approval of Competent Authority.

(A.C. Abdul Jabbar)
Convener, Monitoring Cell

F.No.110/7/2019--E&F (P&L), Dated 25.10.2019

To

1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The PA to Hon'ble Administrator, UT of Lakshadweep for kind information
2. The District Collector & Chairman, ODF for kind information
3. The PA to Secretary, Science & Technology for kind information
4. The PA to Secretary, Port, Shipping and Aviation for kind information

Date 29/09/2019

98

participant list.

Monitoring cell under integrated
waste management, UTLA

<u>Sl. NO</u>	<u>Name & Address</u>	<u>Signature</u>
1.	K. Sajeesh	K. Sajeesh
2.	A.C. Abdul Jabbar	A.C. Abdul Jabbar
3.	Dr. Hidayathulla R.14	Dr. Hidayathulla R.14
4.	Naseem R. (ICBMW)	Naseem R.

TC R1

2nd Minutes of meeting in connection with State Level Special Task Force (STF) under Solid Waste Management Rule, 2016 dated 24/09/2019

The 2nd Special Task Force (STF) meeting conducted under the Chairmanship of Lekhraj, DANICS, Additional District Magistrate, UTLA, Kavaratti on 24th September, 2019 at 4.45 PM. The members who attended in the meeting are shown at **Annexure -I**

The Range Forest Officer & Head, Policy & Legal Division and Convener, Special Task Force (STF) welcomed the Chairman and STF members. The officer made detailed presentation on status and implementation of integrated waste management in respect of earlier meeting dated 23rd July, 2019 and the achievements thereafter up to 22nd September, 2019.

After a detailed discussion of agenda points and action taken report, the STF has taken the following decisions.

1. **Land for Incinerator and Biodegradable waste disposal facilities in islands:** It is reported that 500 sq.m land adjacent to old incinerator land is urgently require for the installation and commission of new incinerator at Androth Island. The SDO, Androth submitted land sketch with details of the land to the Conservator of Forest for action. The department also urgently require 2000 Sq.m land in bigger islands and 1500 sq.m land area in smaller islands for the management of Door to Door Biodegradable waste collection and treatment facilities in all islands except Kavaratti and Bitra, which is mandatory under SW (M) Rule, 2016 and as per direction of NGT dated 14th May, 2019 in OA No.606/2019. The Chairman directed the department to submit file for immediate action (Action: RFO, Environment Division/Deputy Collector (HQ))
2. **Burning of waste in Islands:** The STF noticed that burning of biodegradable waste is still practising in many of the islands. The committee directed to conduct special awareness drive against burning of waste under "Swachh Hi Seva" implementing from 11th September, 2019. All the SDO/DC/RFO (HQ) shall submit separate status reports with respect to the subject in the next meeting. The Department of Environment & Forest release require fund for the awareness drive to all inhabited islands in Lakshadweep (Action : DC/SDO's in islands/RFO & Head, Environment Division, E&F, Kavaratti)
3. **Slaughter House waste disposal:** The STF noticed that the slaughter house waste generating from many parts of Kavaratti Island is disposing in the eastern jetty in night hours, without proper treatment. The STF directed Director, Animal Husbandry /Sub Inspector, Police station, Kavaratti / Executive Officer, VDP, Kavaratti to look after the matter in length and take remedial measures, immediately. An action taken report in the matter shall be filed to the

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- Member Secretary, STF by the officers separately in the matter before the next meeting
(Action: Director, Animal Husbandry/SHO, Police Station, Kavaratti/EO, VDP, Kavaratti).
4. Training/Capacity Building to officials/Safai Workers: The committee noticed that initial training to the Safai Workers in the Islands of Kavaratti, Andrott, Agatti, Kalpeni and Minicoy is completed. Whereas, the remaining islands Viz. Kadmat, Amini, Kiltan, Chetlat and Bitra are still to be completed. The committee directed the Director, S&T to carry out the task in consultation with Kerala Pollution Control Board, Kerala State on or before 31st October, 2019 (Action: Director, S&T/LPCC, Kavaratti).
 5. Awareness and Capacity Building among locals/tourists: Lakshadweep has 85 wards in 10 Islands. The committee noticed that it is necessary to install name board showing Swachh messages to be placed in all junction/prime important locations for aware and educate islanders/tourists. In addition, the Managing Director, LDCL, Kavaratti shall take immediate step to print prohibited single use plastic messages on the backside of the ship/vessel tickets (Action: Conservator, E&F/Managing Director, LDCL.)
 6. Capacity Building to Students in school: The Department of Environment & Forest take immediate step to conduct require capacity building on single use plastic ban in all school institutions through competitions, workshop etc. in all islands under Swachh Hi Seva scheme (Action: RFO & Head, Environment Division, E&F/Principal in all islands/Director, Education)
 7. Establishment of Sewage Treatment Plant: The STF noticed that no Septage Treatment Plant (STP) existing in island. The UT administration is taken action to install and commission one STP plant at Kavaratti with 5M³ capacity on experimental basis. The STF directed the department of Science & Technology shall initiate action to establish Bio toilets to all the households in Lakshadweep Islands, as directed by the SLAB, immediately (Action: Conservator, E&F/ Director, S&T)
 8. Ban on Single Use Plastic in UTLA: It is appreciable that the Kiltan Island Level Committee under Sub Divisional Officer shown stern action against defaulters against polythene/plastic ban. The Committee directed all SDO/DC's in islands to follow the procedure to make plastic free Lakshadweep. The action taken report shall submitted to RFO & Member Secretary, E&F before the next meeting (Action: DC/SDO's in Islands).
 9. Action against Sand Mining/Shingles: The committee noticed that manual illegal sand mining is reported from all islands for the construction of buildings by local people. Both Station House Officer and Environment Officer (I/c) in islands take appropriate step for joint

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inspection in all islands against the sand mining and prosecute the offenders, as per law. A status report shall be submitted by the officers concerned before next meeting (Action: SHO's in all Islands/Officer (i/c) of unit offices, E&F in Islands).

15. **Publication of NGT order in Local Language:** The Committee noticed that the NGT order under OA No.606/2018 shall be published in Malayalam by the concerned department with the support of Director, IPR, Kavaratti (Action: Conservator, E&F/Director, IPR, Kavaratti).

16. **Vermi Compost Pit:** The department informed that the present composting system of kitchen waste in the yard need to be upgraded by adopting Thumboor Model and Vermi composting to treat 1300 to 1500 kg waste/day generating in island. The chairman directed the department to visit success state/city/villages by the monitoring committee experts and understand the suitability before introducing the technologies at Kavaratti Island (Action: RFO, Policy & Legal, E&F)

This is issued with the approval of Competent Authority.


 (A.C. Abdul Jabbar),
 Convener, Monitoring Cell

F.No.110/9/2019--E&F (P&L),

Dated 25.10.2019

To

1. All the members concerned
2. The HOD's concerned for necessary action.
3. The DC/SDO in Islands

Copy to

1. The PA to Hon'ble Administrator, UT of Lakshadweep for kind information
2. The District Collector & Chairman, ODF for kind information
3. The PA to Secretary, Science & Technology for kind information
4. The PA to Secretary, Port, Shipping and Aviation for kind information

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Special Task for coordination
 dated 24/09/2019

participants list

1. Learning ADM
2. Abdul Nizam U Br. Chemist
3. Asstt. IP - CI of 10416
4. A.C. Abdul Jabbar, RFO & Head

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 - 24/9/2019.

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 for -

A. Training imparted to officials/workers under Integrated Waste Management Rule, 2016

Sl. No	Name of Training	Stake Holders	Date Conducted	Resource Person (s)/Institute Training Conducted
1	Planning, Designing, Monitoring and Inspection of Waste Water Treatment Plants and APC measures	Junior Consultant, Solid Waste Management & Member Monitoring Cell	23 rd to 27 th September, 2019	sponsored by CPCB at Dr.Ambedkar Institute of Productivity, Ambattur, Chennai
2	Training and exposure visit to Swachhgrahi	27 Swachhgrahi attended	16 th October to 30 th October, 2019	Kerala and Tamilnadu institutes/villages
3	National Programme on Swachh Hi Seva	5 Sarpanch and 2 Swachhgrahi	27 th September to 3 rd October, 2019	Ahmedabad, Gujarat
4	Training on incinerator operation	3 Swachh Assessors and 3 Karma Chari's	15 th October to 18 th October, 2019	Ensys Technologies Pvt. Ltd, Chennai
5	Training on Plastic shredder, Coconut leaf shredder and Bio Composter at Kavaratti Island	3 Swachh Assessors and 8 Karma Chari's	9 th October to 14 th October, 2019	Arena Private Limited, Kerala

(Signature)
30/10/2019

(A.C.Abdul Jabbar)

RFO & Head, Environment Division

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B. Proposed Training to the officials/Workers from 1.11.2019 to 31.03.2020

Sl. No	Designation of official	Training module	Proposed date/Training Institute
1	Consultant, Policy & Legal Division & Monitoring Cell, E&F, Kavaratti	Accidental spill-Emergency Response and Environmental Impact Assessment Future perspective	Nov, 05-07, NEERI, Nagpur
2	Range Forest Officer & Head, Environment, E&F, UTLA	Integrated Waste Management-Municipal Waste, Plastic Waste, Bio Medical Waste, Bio Composting, Landfill Gas management & Control and waste to Energy with Field visit	November, 18-22, ESCI, Hyderabad
3.	Junior Consultant, Solid waste and Member, Monitoring cell, E&F		
4.	Junior Consultant, Bio Medical Waste and Member, Monitoring cell, E&F		
5	Junior Consultant, C&D, Hazardous waste and Member, Monitoring cell, E&F	Sampling and Analysis of Hazardous and Other Wastes listed under HOWM Rules, 2016	Dec, 09-11, SGGSIE&T, Nanded.
6	Range Forest Officer & Head, Environment, E&F, UTLA	Environmental Legislations, interpretation, Enforcement, Legal and Statutory Requirements-Case studies	Feb, 03-07, 2020 NLSIU, Bangalore
7	Junior Consultant, Solid waste and Member, Monitoring cell, E&F		
8	Consultant, Policy & Legal Division & Monitoring Cell, E&F, Kavaratti	Environmental Data interpretation, Compilation, Analysis, presentation and Reporting- hands-on-Training and case study	Feb, 03-07, ISI, Delhi
9	Junior Consultant, Bio Medical Waste and Member, Monitoring cell, E&F		
10	Junior Consultant, C&D, Hazardous waste and Member, Monitoring cell, E&F	Water Quality Monitoring of Surface, ground, Waste Water/Effluents, Data interpretation and quality Assurance	Feb, 24-28, 2020 CPCRI, Saharanpur, U.P

(A.C. Abdul Jabbar)

RFO & Head, Environment Division

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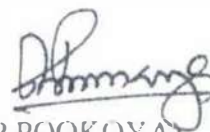
30/10/2019

Annexure R. 7Performance Audit of Lakshadweep Pollution Control Committee by CPCB
with Timeline Action Plan

Sl No	Weakness/Challenge shown by CPCB	Current Status	Desired level to be achieved	Time Line to be completed
1	LPCC does not have dedicated staff and office	No office and dedicated staff at present	Independent administrative powers to perform the mandate of Water and Air Act	A proposal to CPCB to sanction manpower is under process. A separate building will be identified by 31 st December, 2019
2	No consent management mechanism is in place	LPCC has initiated to issue the consent mechanism for Consent to Establish, Consent to Operate and Consent to Renew	Fulfilled	NA
3	No separate Expenditure Account	Attached with Science & Technology	Independent status with separate grant in aid from DST	A proposal to CPCB to sanction manpower is under process. A separate building will be identified by 31 st December, 2019
4	Technical and Scientific staff Recruitment	LPCC has 5 sanctioned post Laboratory staff for analysis of water quality. 4 post is vacant and 1 filled. Action is under progress for filling up of vacant posts	Require to post sufficient scientific and technical staff for carrying out the mandate of water, Air and EP Act.	31 st December, 2019
5	Upgrade the ambient air quality monitoring system by introducing PM2.5 and gaseous sampling	At present monitoring PM 10 at Kavaratti under NAMP. No PM 2.5 monitoring facility available.	Expand monitoring the PM10 and PM2.5 and gaseous sampling.	31 st December, 2019
6	Annual Report of Biomedical waste and Plastic waste were not submitted in time	Submitted 2016-17 and 2017-18 Annual Report in later stage. 2018-19 report submitted in time	No action required. LPCC shall take care to submit the Action Plan in time	NIL
7	There is no Biomedical Waste Treatment facility in any of the hospitals in any island	No CBMWTFs in any of the islands. Burying is the common practise.	Waste Treatment facilities are under installation as it take place 3-6 months.	30 th April, 2020

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	should upgrade their laboratory including obtaining accreditation under NABL and MoEF&CC.	LPCC have only 'C' grade laboratory	Up gradation with accreditation under NABL and MoEF is under process	31 st March, 2020
9	Capacity Building to officials	In progress	Capacity Building at regular interval	31 st March, 2020
10	Dedicated website for LPCC	In progress	Data Management system for LPCC	31 st December, 2019



(P. POOKOYA)

Director, S&T and
Member Secretary, LPCC

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Annexure R8Rewards and incentives instituted for individuals and institutions under
Integrated Waste Management in Lakshadweep

Sl. No	Name of Award	State/Island	Total Nos. with Award prize	Remarks
1	Gram Shakti samman	State level	3 Nos awards with certificate 1 st : 5 Lakh 2 nd : 3 Lakh 3 rd : 1 Lakh	Chetlat, Kavaratti and Kalpeni Panchayats won 1 st , 2 nd and 3 rd respectively during the year 2019-20. Total award prize is Rs.9 Lakh
2	Yava Shakti Samman	State Level	3 Nos awards 1 st : 0.5 Lakh 2 nd : 0.25 Lakh 3 rd : 0.1 Lakh	To the youth between 21 to 50 years who contributed significance achievements for the conservation of pristine environment through awareness and education. Total award prize is Rs 0.85 Lakh
3	Gram Shakti Samman	Island level	30 Nos. awards with certificate. Each island has a prize worth 1 st : 0.05 Lakh 2 nd : 0.03 Lakh 3 rd : 0.01 Lakh	To the students in schools those contributed voluntary service in the field of Environment Conservation and Swachh activities. Total award prize is Rs.0.90 Lakh.

(A.C. Abdul Jabbar)

RFO & Head, Environment Division

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ANNEXURE R9
108
MOST URGENT / TIME BOUND

भारतसरकार/ GOVT. OF INDIA
लक्षद्वीप संघ राज्य क्षेत्र प्रशासन / U.T. of LAKSHADWEEP ADMINISTRATION
पर्यावरण एवं वन विभाग/Department of Environment & Forest
कवरत्ती द्वीप/Kavaratti Island - 682555
E-mail: lak-def@nic.in; lk-efpolicy@gov.in Ph : 04896 262592

F.No. 103/11/2019-E&F (P&L)

दिनांक: 21.10.2019

To

The Member Secretary,
Central Pollution Control Board,
Ministry of Environment, Forest & Climate Change,
Govt. of India, Parivesh Bhawan, East Arjun Nagar,
Delhi - 110 032.
E-mail : mscb-cpcb@nic.in.

Subj: - E&F(P&L) - Submission of compliance report in the matter of OA No. 606/2018 - Report submitted - Reg:

Ref: - 1) Hon'ble NGT direction in OA No. 606/2018 dated 14.05.2019.
2) Hon'ble NGT direction in OA No. 606/2018 dated 12.09.2019
3) Letter F.No. B-17011/7/MSW/2019 dated 27.09.2019

Sir,

Please refer to your letter regarding submission of compliance report in the matter of OA No. 606/2018 with respect to Union Territory of Lakshadweep. The office received the letter on 15th October 2019.

The requisite information as in prescribed template under 6 schematic area namely solid waste, E-waste, bio-medical waste, noise, hazardous waste and sewage treatment plant are enclosed herewith for kind further action. It is also requested that the compliance report/direction may be sent to the e-mail lak-def@nic.in or lk-efpolicy@gov.in in future to ensure the compliance and submit the report in time bound manner.

This is issued with the approval of Hon'ble Administrator, UTLA vide Diary No.

Dated

Yours faithfully,

Encl: As above

(Damodhar A.T.) IFS
Secretary, Environment & Forest

Copy to

1. The PA to Hon'ble Administrator, UTLA for his kind information.
2. Shri. Vinod Babu, D/C WMD-1 & CPIO, CPCB, MoEF & CC, Parivesh Bhawan, East Arjun Nagar, Delhi-110 032.

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GAP ANALYSIS OF COMPLIANCE REPORTS WITH RESPECT O.A NO. 606/2018 ORDER DATED 16.01.2019, 14/05/2019 AND 12.09.2019 and Gap Analysis of the Compliance of CPCB during July, 2019

Name of state/UT : Lakshadweep
Name & designation of Nodal officer : Damodhar A. P. IFS, Conservator of Forests, F&F

1. Solid Waste management

Sl. No. as per CPCB	item	State/ UT response	Remarks by CPCB	Current status	Desirable level as per statutes	Gap between current status and desired level	Time frame for addressing the Gap
8	Percentage of Districts in which Special Task Force (Four members nominated by DML, SP, RO, SPCB & District Legal cell Authority) for awareness has been created	100	No information	Special Task Force created through notification dated 26.6.2019 in UT LA	100 %	Lakshadweep has only one District	Nil
12	Percentage of ULBs which have framed byelaws incorporating provisions of SWM Rules	100	Nil	Lakshadweep do not have ULB. Whereas, 10 Village Dweep Panchayat is working in all 10 inhabited islands. The UT Administration framed Solid Waste Management Bye Law, 2018 and published	100%	Nil	Nil
30	Percentage of operators of Solid Waste processing facility who have	100	Nil	The Department of Environment & Forest is implementing and Executing solid waste in Lakshadweep (Both Solid and Plastic waste). Since there is no ULB, information collecting from peripheral units in islands	100%	Nil	Nil

	submitted Annual report			and preparing a compilation report by RFO & Head, Environment, Environment & Forest, Kavaratti. The Solid Waste Management Annual Report for the year 2016-17, 2017-18 and 2018-19 under SWM Rule, 2016 and Plastic Waste Management rule, 2016 uploaded through LPCC, UTLA. The Secretary, Environment & Forest is looking after the charge of Secretary, UD in UT under Swachh Bharat, solid and plastic waste till date.			
31	Percentage of ULBs which have appointed nodal officer/ committee	100	Nil	No ULB. The Nodal Officer is The Conservator of Forest Department of Environment & Forest UTLA, Kavaratti, Pin 682 555	100%	Nil	Nil
34	Percentage of ULBs which have submitted Annual report in Form IV to Secy, UD and SPCB	100	Nil	No ULB in Lakshadweep. The Secretary, E&F looking after the charge of Secretary, Urban development in relation to Integrated waste management in Lakshadweep. The Annual report submitted to LPCC and CPCB till date	100%	Nil	Nil
36	Percentage of ULBs in which Sweeping is carried out twice or more in Public areas	100	Nil	All 10 Village Dweep Panchayat in islands carrying out sweeping in Prime and important localities. The least important localities will be attended once in a month. The department appointed 390 Karmacharis for the management of solid and plastic waste in entire UT	100%	Nil	Nil
37	Percentage of ULBs in which Sweeping is carried out once or	100	Nil	All 10 Village Dweep Panchayat in islands carrying out sweeping in residential areas	100%	Nil	Nil

	more in residential areas.			with the help of Karmachari's appointed for the purpose			
38	Percentage of ULBs in which user fees has been incorporated in Byelaws	100	Nil	No ULB. Only one district. ULBA incorporated provision for user fee in Solid Waste Management Bye Law, 2018	100%	Nil	Nil
39	Percentage of ULBs having Door to door collection system	10	Nil	No ULB in Lakshadweep. Kavaratti island started Door to Door collection of waste with effect from 22.07.2019. Collecting waste from all 2418 houses residing in islands. Daily kitchen waste collection (average) is 1300-1600 kg/day	100%	90%. The capital of UT is compliance to the rule. All the remaining 9 islands to be extended in phased manner. The Andrott and Amini is taken for the second phase extension with effect from 1 st December, 2019	31 st August, 2020 will be extended Door to Door collection to all VDP's in Islands.
40	Percentage of ULB's transporting wastes in covered vehicles	0	Nil	The 3 wheeler Auto tempo/4 wheeler vehicles (total 22 Nos.) on hire basis is using for the transportation of waste at present. The vehicle is manually covering through plastic/polythene/Green net sheet to avoid spill over of waste	100%	100%. It is require to purchase at least 3 nos. each covered 4 wheeler vehicles in major islands (Kavaratti, Minicoy, Amini and Andrott) and 2 nos. each covered 4 wheeler vehicle at minor islands (Kadmat, Kalpeni, Chetlat and Kiltan). Bitra only require manually operating Tonga/rickshaws etc. considering its small size (0.1 sq.km). The	Purchase and placement of covered vehicle can be done before August, 2020 if financial ban to purchase vehicle uplifted by the ministry.

						financial ban is the obstruction to purchase vehicle for the purpose.	
41	Percentage of ULBs having GPS installed on garbage collection vans (>5 Lakh population)	0	Nil	Lakshadweep do not have ULB. Lakshadweep has only 64,429 population as per 2011 census, less than 5 lakh, not insisted GPS in Garbage Collection van's which are hired from private agencies.	100%	100%. All the VDP will acquire the GPS facility in vehicle, after purchase of covered vehicle	The GPS in vehicle will be installed before 31 st March, 2021.
42	Percentage of ULBs using Compartmentalize vehicles for collection of different fractions of waste	0	Nil	The island are small with a maximum of 4.8 sq.km require small size 4 wheeler vehicle. The compartmentalisation type vehicle is not appropriate in the road. The different stream of waste can be transported within time period day today basis to CGD with small covered vehicle, compartmentalize vehicle not recommended	0	Nil	Nil
43	Percentage of ULBs having Computerize weighing machine for weighing solid waste	0	Nil	No ULB in Lakshadweep. The Kavaratti Central Garbage depository is under modernisation with all facilities including Computerise weighing machine. Presently electronic weighing machines are using in all islands.	100 %	100%. Kavaratti is under work. Andrott and Amini will be completed before 31 st march, 2020. Other island will be developed in phased manner	31 st March 2021
44	Percentage of ULBs having tipping fee based on quantum of waste generated/processed	0	Nil	Lakshadweep is industrial free zone land. All the commodities are transporting from mainland and is a customer state. The waste generating from household is major waste in addition to coconut by-products and waste generated through wind, current and sea surges.	0	Nil	Nil

45	Percentage of ULBs having twin-bin system installed at public places	10	Nil	Kavaratti has placed twin bin system with effect from 22 nd July, 2019. Daily collection also carrying out by providing service to private firms in island. A total of 95 green bins (bio degradable waste) and 1700 blue bins (Non bio degradable waste) placed as community bins in island. The department also provided 2 bin (Green and blue, 10 kg each) to all 2418 household at Kavaratti for the segregation of solid waste in island. All other islands community blue bin is placed for collection of non-biodegradable waste	100%	10%. The treatment facilities with land area need to be completed in other islands before the establishment of Door to Door Collection and placement of Green bin as community bin.	Major islands (Andrott, Amint, and Minicoy) will be extended the service before 31 st march, 2020. In remaining islands the timeline should be March, 2021
46	Percentage of ULBs having transfer stations instead of secondary storage bins	0	Nil	All islands are small in size. The maximum of land area in island is 4.8 Sq.km and least 0.1 sq.km. All the island have Central Garbage Depository for the management of Non- biodegradable waste. Kavaratti started both Biodegradable and non-biodegradable yard with treatment facilities for the management of waste.	0	Not require	Nil
47	Percentage of ULBs in which PPE has been provided to workers	100	Nil	A total of 455 Nos. Safai Workers (9 supervisor, 56 Assessor and 390 Karmachari's) working in entire UT. The gloves, masks, Gun boot, rain coat etc. provided.	100%	0%. The work is underway to provide uniform to the staff working under waste management	31 st March, 2020
48	Percentage of ULBs in which capacity	65	Nil	The department conducted training classes to 300 Swachh workers with the help of	100%	35%. The remaining 155 staff training with the	31 st March, 2020

	building of local bodies has been taken up by State Department of UD			Kerala Pollution Control Board and Monitoring Committee Experts. The island viz. Kavaratti, Andrott, Minicoy, Agatti and Amini completed. The remaining island will be carried out before 31 st December, 2019.		help of KPCB or Monitoring Committee members will be completed during the current year	
49	Percentage of ULBs in which workers have been educated on Door to door collection of waste	17	Nil	No ULB. Total 10 Islands. 455 workers appointed. 76 workers trained in door to door collection of waste.	100%	83%. The Door to collection to workers will be practised while implementing the schemes in each Village Dweep panchayats. The 2 nd phase concentrated on Andrott and Amini declared as model islands in addition to Kavaratti.	31 st March 2021.
50	Percentage of ULBs which Training has been imparted to waste pickers/waste collectors	0	Nil	No ULB. Training not given to informal waste pickers/collectors. The department is under way to inventories the number of waste pickers/collectors in all islands. Then training will be imparted through Monitoring Committee Experts.	100%	100%. The inventory survey is underway.	Training to informal waste pickers/collectors will be imparted on or before 31 st March, 2020.
51	Percentage of ULBs having separate Street sweepings collection and disposal system	100	Nil	No ULB. All Islands have separate wing for sweeping of government road, prime important and important areas on daily basis. The workers are appointed on contract and included under 455 safai staff. The department of Environment & Forest is nodal department. The scheme is	100%	Nil. The guidelines for sweeping prime important/important/least important areas issued by the department during the year 2014-15 and the improved during the year	Beach area (132 km) will be included in

				running under Swachh Lakshadweep Abhiyan.		2015-16. The coastal beaches and least important area need to be projected and will be implemented on or after 31 st March, 2020.	the sweeping stream with effect from 1 st April, 2020.
52	Percentage of ULBs in which segregation of waste at household level/source has been implemented	10	Nil	No ULB. Kavaratti implemented segregation of waste at household level. Two waste bin (Green and Blue, 10 L capacity each) provided to each household for collection and segregation at Household level to all 2418 houses. Daily collection through private contractor is adopted.	100%	90%. Kavaratti is capital with 12000 population implemented the programme.	The next phase extended to Andrott and Amini and will start on or before 31 st December, 2019. The 3 rd phase to all other remaining islands will be implemented from 1 st April 2019.
53	Percentage of ULBs in which Segregation by street vendors has been implemented	0	Nil	No Street Vendor as such in UT. The UT segregating the waste through Karmachari's appointed for the purpose. Centralise segregation is implemented in plastic/non- biodegradable waste in islands since 1996.	0	No street vendor (Formal/informal) is in islands. The services to provide contracts to SHG's/NGO's/Private firm is under consideration.	Nil

54	Percentage of ULBs in which Segregation of waste by RWAs, market associations, gated communities, institutions (>5000 sq.m area), hotels, restaurants etc. has been implemented	0	Nil	No ULB. Only one District. No institutions above 5000 sq.m area is not existing in Lakshadweep. The centralised collection and segregation is practising in Lakshadweep.	0	Centralised collection, segregation and treatment is viable considering the small land areas, shortage of space for treatment and disposal, non-availability of big intuitions etc.	Nil
55	Percentage of ULBs in which Segregation of Waste at source for inserts and C&D Waste has been implemented	50	Nil	No ULB. 10 VDP's. The inert and C&D waste generated through dismantling of resident houses and construction/demolition of building by LPWD department. Both the above C&D waste is utilising for new house construction/building construction considering the shortage of building materials in islands. The Lakshadweep Public works department (LPWD) is the Nodal department.	100%	The UL advised to prepare a timeline plan for the management of C&D waste in government sector along with necessary equipment's/machineries for its reutilisation. Also directed to submit storage yard details to keep the waste till its utilisation.	Implemented from 1 st April 2020
56	Percentage of ULBs in which informal sector of waste pickers, waste collectors and recycling industry in reducing waste in state policy has been engaged.	0	Nil	No polluting industry in UTLA. No informal waste picker/waste collector reported. Not shown any percentage in state policy. The waste generation mainly from three sources viz. coconut waste products from 10.5 lakh plants in islands, 12000 Household residing in islands and the waste generated through wind, waves and current of the sea in beaches. The government engaged sufficient staff for the	0	Not require considering non-availability of polluted industry, informal sector waste picker/waste collector in islands. However, action is initiated for inventories of informal waste picker/collector in islands. Also SHG's/NGO's etc.	The policy & strategy of "Swachh Lakshadweep Abhiyan" document will be restructured after getting the inventory

				collection, segregation, and proper disposal (total 455 staff) in all islands.		participation is ensured in the policy for the management of waste	report on before 31 st March, 2020.
57	Percentage of ULBs in which Space for SW segregation, storage and processing of Solid waste for 200 units/5000 square has been allocated	10	Nil	No ULB. Only one District. 10 VDP's. Allocated sufficient land in all islands for the management of waste for the collection, segregation and scientific disposal of Non-biodegradable waste including plastic. In Kavaratti 4000 sq.m land taken on lease for the management of Biodegradable waste during 2019. Other islands action is initiated to procure land for biodegradable waste for the management kitchen and sweeping waste generated in each islands.	100%	90%. The government do not have require land in uninhabited portion in islands. Action is initiated to hire land for management of Biodegradable waste in remaining 9 islands. The inventory survey the quantity of waste generation is underway in remaining islands.	On or before 31 st march, 2020
58	Percentage of ULBs in which Scheme for registration of waste pickers and dealers has been implemented.	0	Nil	No ULB. No waste picker/waste dealer registered.	100%	100%. Only determine after inventories survey by UTIA	On or before 31 st march, 2020
59	Percentage of ULBs in which land has been identified for setting up waste processing facilities(22(1))	60	Nil	No ULB. All 10 inhabited Islands have land for setting up waste processing facilities in terms of non-biodegradable waste/Bio degradable waste. The department is underway to take some more land in all islands for setting up Thumboor Model waste compost pit/vermi composting suitable to islands under Biodegradable waste composting which would be started during the current year.	100%	40%. The land essentially require for the management of kitchen/ biodegradable waste in all other 9 islands. The UT will provide land on lease/government land on phased manner	On or before 31 st march, 2020

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				Kavaratti has a total of 4180 sq m land for setting up waste processing facilities.			
60	Percentage of ULBs in which non-biodegradable waste and inert waste are used for filling up of construction areas and construction of roads	100	Nil	The inert waste generated from Central Garbage Depository is utilising for construction of domestic houses in islands. The non-biodegradable waste is sorting and non-recyclable parts viz. diaper, napkin and plastic carry bags only send to incinerator/waste energy plants in islands. All recyclable waste is transporting to mainland for its reuse and recovery. 2017-18 year, 431 MT segregated waste sent to Kochi. 2018-19 year, 173 transported from islands. The road in islands are not suitable to use Non-biodegradable waste for its construction.	100%	0%. The new incinerator with 100 kg/50 kg/25 kg are under installation in all inhabited islands and expected be completed on or before March, 2020	March 31, 2020
61	Percentage of ULBs in which Usage of RDF by Cement plants/Power plants/Industries located within 200 Km of such facility has been implemented	0	Nil	No cement plants/industries are available in any of the island or its vicinity around 200 km. A total of 500 MT sorted cement bags is packed in the CGD of all Islands. The UT administration is discussed the matter with Cement plants available at Kerala/ private firms for bilateral agreement for transport the cement bags from island to mainland for disposal. The RDF is mainly originate from power plants (Diesel Generator) in islands. The SLAB directed Electricity department to submit the details action plan in the matter.	100%	100%. The permission from Kerala Pollution Control Certificate is essential to transport Cement bags in bulk quantity from Lakshadweep to Kerala, which is under process. The detailed plan of Action on RDF from Power House will be submitted before 31 st December, 2019.	The cement bags packed in CGD will be cleared on or before 31 st December, 2019.
65	Percentage of ULBs in which home/decentralized	10	Nil	No ULB. Only one District. Total 10 VDP's. Centralised composting initiated at Kavaratti. The department receiving 1300-	100%	The remaining 9 VDP's will be initiated on phased manner. The	March, 2021

	and centralized composting has been initiated.			1600 Kg day kitchen waste from the island. The centralisation plant is set up near coast guard to treat the waste. The pit composting is the present method. One composting machine with 250 kg capacity purchased and installed on experimental basis. Order is placed to make 90 MT Thumboor model compost pit in the yard. The collection and transportation is through private contractor appointed for the purpose.		second phase will be expanded to Androth and Amini and will be implemented on or before December, 2019.	
66	Percentage of ULBs in which Storage of Horticulture waste on generators own premises has been initiated	100	Nil	The coconut is the main crop in islands. The horticultural waste under fenced land in islands are managed by the farmers themselves. Provision is inserted in Lakshadweep Solid Waste Management Bye-law, 2018.	100%	Nil. However, the UT administration intended to purchase 12 Nos. coconut leaf shredder for powdering the leaf and other parts at Kavaratti for the management of horticultural waste generated in islands.	31 st March, 2020
67	Percentage of ULBs in which setting up of solid waste and processing facilities has been incorporated in Master Plan of the city	45	Nil	The Swachh Lakshadweep Abhiyan is formulated during the year 2014, which include solid waste and processing facilities only to the background level. The plan will be expired on December, 2019. The UT administration is under process to restructure the plan by including the latest guidelines, rules, bye laws, directions etc. and will be endorsed on or before 31 st march, 2020.	100%	55%. The restructuring of Swachh Lakshadweep Action Plan is under way.	31 st March, 2020

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68	Percentage of ULBs in which 5% of 5 sheds in SEZ, IE, Industrial Park have been allocated for recovery and recycling facility	0	Nil	No ULB. No Special Economic Zone (SEZ), Industrial Estate (IE), Industrial Park (IP) etc. are present in UTLA	0%	Not required	Nil
69	Percentage of ULBs in which material recovery facilities for sorting of recyclables by informal sector have been set up	0	Nil	No ULB. The waste is segregating through centralised sector with the help of contract staff appointed for the purpose.	0%	Not required	Nil
70	Percentage of ULBs in which Waste from vegetable, flower, fish, meat, poultry market is processed in biomethanation plant	0	Nil	No market is available in any of the islands. Retail seller purchase the material from mainland (Kerala) and sell through their shops except fish, meat and poultry. The UT with the help of contract staff carrying out collection of such waste at Kavaratti and treating through compost pit. No biomethanation plant is installed and commissioned.	0%	Not require. Minimal waste is generated in each island can be process through compost pit. Thumboor model, bio gas plant etc. existing in islands.	Nil
71	Percentage of ULBs in which use of chemical fertilizers in parks has been phased out	100	Nil	The UT administration banned all chemical fertiliser in islands with during the year 2017. Organic certification process is under way	100%	Organic Certification process will be completed in 2 years	March, 2021
72	Percentage Number of Waste processing based on Waste to Energy/RDF	50	Nil	All the non-recyclable, non-reusable plastic/inert waste is going to the incinerator installed in islands. 10 incinerator with capacities 100 kg/50 kg/25 kg ordered and installation work is under progress.	100%	Expected to commission before 31 st march, 2020 in all islands.	March, 2020

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73	Percentage of Waste processing units based on Composting/ Biomethanation	10	Nil	Kavaratti compost pit established along with Compost machine on trial basis. All other islands, the door to door collection will be carried out in phase manner.	100%	90%. The establishment of Biodegradable yard is under work. The treatment methodology will be same as at Kavaratti in other islands. The primary waste generation inventories is underway.	March, 2021
77	Percentage of ULBs in which Biodegradable wastes is sent to compost/Biomethanation plant	10	Nil	No ULB, 10 VDP's in Islands. Kavaratti VDP sending biodegradable waste to compost pits/plant established near Coast Guard, Kavaratti.	100%	The compost yard preparation in other islands are underway and will start daily collection along with biodegradable waste transportation will extend on phase manner.	March, 2021
78	Percentage of ULBs in which Non-Biodegradable wastes is sent to MRF/Secondary storage facility	100	Nil	All the 10 Village Panchayat is segregating the Non- biodegradable waste on daily basis. The recyclable part is sending to mainland for reuse and recovery. The inert and non-recyclable part only going to incineration installed in islands.	100%	100%. No action required	Nil
79	Percentage of W to E Plants having facilities for segregation of waste prior to processing of waste in W to E Plants	100	Nil	10 Village Dweep panchayat only. The Segregation yard with sufficient staff is deployed for segregation of Non-biodegradable waste prior to processing of waste in W to E plants	100%	No action required	Nil
80	Percentage increase in number of Authorizations granted	0	Nil	No ULB. Only 10 panchayats. The waste generation in each panchayat is less than 50 MT /day. The total generation in Lakshadweep is only 35 MT/day. Out of	0%	0%. Not require as per National action plan on	Nil

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				which 17 MT are coconut wastes, 9 MT are non-biodegradable waste and 9 metric tons are biodegradable waste includes kitchen and sweeping waste.		solid waste of CPCB, new Delhi.	
81	Percentage of ULBs displaying data related to functioning of plant and its adherence to prescribed parameters displayed on ULB's website	0	Nil	No ULB. The administration is under process to develop a integrated waste management website for UTIA. The direction is issued to national Informatics centre, Kavaratti to develop a website, on urgent basis.	100%	0%. The Development of Website is under work	March, 2020
83	Percentage of ULBs in which land has been identified for landfill site (11 f)	0	Nil	No ULB. No landfill site is present	0%	Not required	Nil
84	Percentage of ULBs in which land has been allocated for landfill site (Rule 12a)	0	Nil	No ULB. No landfill site is present.	0%	Not required	Nil
85	Percentage of ULBs having own/regional operational Landfill sites	0	Nil	No ULB. No landfill site is available.	0%	Not required	Nil
86	Percentage of landfill sites in which Provision of Green Belt/Buffer Zone around landfill site has been made	0	Nil	No ULB. No landfill site is available	0%	Not required	Nil
87	Percentage of Landfill sites for which Buffer Zone has been notified	0	Nil	No ULB. No landfill site is available	0%	Not required	Nil

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88	Percentage of landfill sites in which efforts have been taken to prevent/manage generation of leachate	0	Nil	No ULB. No landfill site is available	0%	Not required	Nil
89	Percentage of landfill sites in which efforts have been taken to prevent/manage generation of methane gas	0	Nil	No ULB. No landfill site is available	0%	Not required	Nil
90	Percentage of landfill/dumpsites in which CCTV has been installed	0	Nil	No ULB. No landfill site is available	0%	Not required	Nil
91	Percentage of ULBs having Decentralized waste disposal facilities	10	Nil	No ULB. 10 VDP's. At present centralised waste disposal is practicing. Action is initiated through Village Dweep Panchayat to popularise Bio gas plant, Bucket composting, vermi composting, pipe composting etc by giving subsidies to the locals. 29 Nos. Biogas plant to domestic household given during the current year.	60%	50%. The require fund to Village Dweep panchayat through Grant in Aid is allocated in the Budget 2020-21	Implemented from April, 2020
92	Percentage of landfill sites in which landfilling or dumping of mixed waste is continued	0	Nil	No land fill site. No dumping site at present	0%	No action required	Nil
93	Percentage of landfill sites in which only non-usable, non-recyclable, non-	0	Nil	No ULB. No landfill site is available	0%	No action required	Nil

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	biodegradable, non-combustible and non-reactive waste is disposed						
94	Percentage of ULBs in which investigation of old/existing dumpsites for bio-mining has been initiated	0	Nil	No ULB. No landfill site is available	0%	No action required	Nil
102	Percentage of ULBs which have framed Byelaws incorporating User fees and spot fines for littering	100	Nil	UT administration framed and published "Solid Waste Management Bye Law, 2018" by incorporating user fees and spot fine for littering	100%	No action required	Nil
105	Percentage of ULBs having Citizen Grievance redressal mechanism	50	Nil	All islands have complaint register with land line number for Citizen Grievance Redressal mechanism.	100%	Integrated Solid waste Management Website need to be developed with mobile application for grievances	March, 2020
106	Percentage of ULBs uploading Month wise details of SWM targets on MIS	0	Nil	No ULB. No MIS application extended till date	0%	The department requested to include Kavaratti under Swachh City MIS activities	Nil

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Secretary, Environment & Forest

2. FORMAT FOR SEWAGE MANAGEMENT

Name of state/UT : Lakshadweep
 Name & designation of Nodal officer : Superintendent Engineer, LPWD, UTLA

Sl.No	Action Point	A	B	C=A-B	D
		Existing status	Desired/Projected	Gap	Timeline
1	Estimated Sewage Generation	No Sewage Treatment/Septage treatment plant existing in UTLA. 1648 Bio Toilets are installed at Kavaratti, Andrott and Bitra. The Desalination plant with capacity 1 lakh/day installed at Kavaratti, Agatti and Minicoy. Other islands using well water for drinking. The rain is the only fresh water other than desalination water generating from plants. The 6148 sq.m land identified at Kavaratti for the establishment Septage Treatment plant with Bio park. A total of 64,429 population as per 2011 census available in Lakshadweep. A total 11,847 households have 11,834 toilets in islands. Considering the soil texture and eco sensibility of the islands, the UT administration taken decision to extend bio toilets to all households in this Union Territory. The waste water other than septic tank will be treated through community sewerage system in islands. It is estimated that a total of 128 ML waste water generating per day (20L/person/day) in all islands. In addition 90 MLD may be generated through bulk user's per day. Total 218 MLD estimated.	230 ML/day waste water after 5 years	Not Applicable	
2	Treatment Capacity (Projection for 05 years to be taken in to consideration)	Presently 3000 septic tank is present at Kavaratti. The department intended to make 5 ³ M capacity septage treatment plant at Kavaratti in addition to Bio toilets to household in all islands. Community sewage plant with 50 houses (240 Nos.) may be considered for the treatment of sweage other than the waste generated from septic tanks.	1) 12000 Bio toilets 2) One STP with 5 ³ M capacity at Kavaratti 3) 240 Nos. Community sweage	99%	March, 2021

			treatment plant to treat waste water other than toilet waste		
3	Status of Sewerage System (in Km)	Nil. 1648 Bio Toilets constructed for the treatment of toilets waste in household level	As in para 2 above	99 %	March, 2021
4	No. of STPs (Details to be provided as per Annexure)	Nil	One STP with 5 th M capacity at Kavaratti	100%	March, 2020
5	Has bulk users identified for reuse of treated water such as Industrial Clusters, Metro Rail, Indian Railways, Infrastructure Projects, Agriculture, Bus Depots and PWD? (Y/N)	Yes. Lakshadweep Public Work department (LPWD), Industries department, Indian Reserve Battalion (IRBn) complex, Dweep Rakshak (Navy), Coast Guard station, Satellite Earth Station, ITI, Kavaratti. School Complexes identified as bulk users for reuse of treated water in islands.	100 Nos. community based sewage treatment plant according the size of inhabitant need to be ascertained.	100%	March, 2021
6	Quantity of treated waste water being used by Bulk User (in MLD)	Estimated that 90 ML/day waste water is using by the bulk generator	100MLD	100%	March, 2021
	Industrial Clusters.	10 Nos. industrial coir pith unit is working in all islands. Estimated water is 50,000 L/day	50 ML/day	100%	March, 2020

	Metro Rail.	Nil	Nil	Nil	Nil
	Indian Railways	Nil	Nil	Nil	Nil
	Infrastructure Projects	Indian Reserve Battalion (R Bn) complex, Dweep Rakshak (Navy), Coast Guard station, Satellite Earth Station, ITL, Kavaraatti, School Complexes	Total 50 Nos institutions/schools with 25 MLD waste water	100%	March, 2021
	Agriculture	Nil	Nil	Nil	Nil
	Bus Depots and	Nil	Nil	Nil	Nil
	PWD	LPWD	Total 25 units with total 15 MLD	100%	March, 2021
7	No. of Water Aquatic Sources (Lakes, Pond, etc.) being developed through treated wastewater	Nil. Waste water can be utilised for the irrigation of coconut garden in islands by testing the standard that meet CPCB guidelines	As per CPCB standard	100%	March, 2021

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Secretary, Environment & Forest

3. FORMAT FOR SEWAGE TREATMENT PLANTS AND UTILIZATION OF SEWAGE

Name of state/UT : Lakshadweep
 Name & designation of Nodal officer : Superintendent Engineer, LPWD, UT L A

SL No	City/town	No. of STP	Location of each STP	Coordinates of STP (Latitude and Longitude)	STP Commissioned in (year)	Status (operational/Non Operational/Under Construction)	STP Installed Capacity (in MLD)	Actual Utilization of installed Capacity (in MLD)	Technology (UASB/ASP/OP/SBR/MBR/FAB etc.)	Consent Status	Compliance Status
1	Lakshadweep	Nil	Nil	Nil	Nil	Not applicable	Nil	Nil	Not applicable	Not applicable	Under work. Land taken on lease. % M ³ STP envisaged. Will be commissioned on 31 st March, 2019

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4. FORMAT OF NOISE POLLUTION

Name of state/UT
Name & designation of Nodal officer

: Lakshadweep
: Director, Science & Technology

Sl.No	Content	Current Status	Desirable	Gap	Time Line
1	No. of stations for Ambient Noise Monitoring	Nil	10	100%	March, 2021
2	No. of stations in Industrial Zone	Nil	10	100%	March, 2021
3	No. of stations in Commercial Zone	Nil	Nil	Nil	Nil
4	No. of stations in Residential Zone	Nil	Nil	Nil	Nil
5	No. of stations in Silence Zone	Nil	10	100%	March, 2021
6	Compliance of Ambient Standards (No. of stations) Industrial Zone Commercial Zone Residential zone Silence Zone	Nil	30 stations	100%	March, 2021
7	Identification of Hot spots	Nil	Nil	Nil	Nil
8	Designated Authorities defined as per Noise Rules (Y/N) (Details to be provide)	Yes Superintendent of Police UTLA Kavaratti	Nil	Nil	Nil
9	Has Methodology been prepared for granting permission for installation of Public Address System? (Y/N) (Details to be provide)	Yes, Police Authority granting permission	Guidelines for noise pollution with respect to UTLA may be formulated	50%	December, 2019

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10	Has Methodology been prepared for redressal of complaint on noise pollution? (Y/N) (Details to be provide)	No	Guidelines to be formulated	100%	December, 2019
11	No. of Police Stations equipped with sound level meter	Nil	10 Nos	100%	March, 2020
12	No. of Police Stations having officers trained as per Noise Pollution Rules by SPCBs/PCs	Nil	50 persons	100%	March, 2020
13	Has protocol been developed for taking appropriate action against the defaulters?	No	Protocol need to be developed in consultation with Member Secretary, LPCC	100%	March, 2020
14	No. of cities in which Noise Mapping has been done (if applicable)#	NA	NA	NA	NA

Note: # List of cities asked for Noise Mapping is attached

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5. Questionnaire for monitoring of compliance to Bio-Medical Waste Management Rules, 2016

Name of state/UT

: Lakshadweep

Name & designation of Nodal officer

: Director, DMHS

Ques 1. Why inventory on numbers of Healthcare Facilities is still incomplete in State/UT, as required under BMW Rules, 2016?

Ans: Inventory survey of HCF's is completed. The details is as follows

Sl. No	Name of institutions	Details	Remarks
1	Public Health Care System in Lakshadweep	1 first aid centre, 14 sub centres, 4 PHC's, 3 CHC's, 2 Sub District Hospitals and 1 District Hospital to all 10 inhabited islands.	Total 35 units under Director, Medical & health Services, UTLA
2	Veterinary care in Lakshadweep	10 units, one unit each in island	10 units one each in island under Director, Animal Husbandry, UTLA, Non bedded.
3	Ayush Institutions	9 Nos	Under Director, Ayush, Lakshadweep
4	Private Clinics	3 Nos	3 private Lab is running in islands
	Total	57 institution/units	Nil

Ques 2. What is the reason that inventory is still under process?

Ans: Completed. Details shown as above.

Ques 3. As observed that non-bedded HCFs have not applied for authorisation, why such HCFs, are allowed to operate without authorization under BMW Rules 2016?

Ans: All the health care facilities are operational since 30-40 years and LPCC has given direction to obtain authorisation under the Rules by 31.12.2019. All 54 units are under government sector except 3 labs in islands.

Ques 4. How many applications are still under process with State Boards for grant of authorisation?

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Ans: 31 Nos. of applications pending for authorisation. Rest 16 institutions not submitted.

Ques 5. In case of no Common Biomedical Waste Treatment Facility in Arunachal Pradesh, Andaman & Nicobar, Goa, Lakshadweep, Mizoram, Nagaland & Sikkim State/UT, how generated biomedical waste is being treated and disposed?

Ans: Human Anatomical waste (a) and Animal Anatomical waste (b) is burying. Soiled waste (c) and discarded linen (g) is incinerating after pre-treatment in Municipal solid waste incinerator in islands. Expired or Discarded Medicines and chemical waste are transporting back to mainland.

Ques 6. Why still there is no proposal submitted by Arunachal Pradesh, Andaman & Nicobar, Goa, Lakshadweep, Mizoram, and Nagaland & Sikkim State/UT for setting up CBWTF?

Ans: Lakshadweep is geologically isolated between island to island and from mainland. Common Biomedical Waste Treatment Facilities (CBWTF) is not practicable due to sea barrier. Hence Biomedical incinerator at a capacity 10kgs/hr tendered. 2 bidder submitted. Lowest quoted bid accepted and work order will be placed soon. Till incinerator finish installation and commissioning, existing practice will be continued.

Ques 7. Why Barcode system is not implemented in Andaman & Nicobar, Arunachal Pradesh, Assam, J&K, Lakshadweep, Mizoram, Orissa, Puducherry, Sikkim, Uttar Pradesh, West Bengal, Chandigarh, Delhi, Jharkhand, Maharashtra, Rajasthan and Tamil Nadu, so far even When the deadline is over as per BMWM Rules, 2016?

Ans: Lakshadweep is geologically isolated and each island has separate entity. Measures are under way to install incinerator along with Barcode system for Bio medical waste generating from HCF's.

Ques 8. Whether State/UT has constituted State Advisory Committee so as to review the implementation status?

Ans: Yes. Constituted

Ques 9. What steps have been taken by Advisory Committee so as ensure implementation of BMWM Rules, 2016?

Ans: Not convened meeting. Scheduled to be conducted first meeting in the month of November, 2019.

Ques 10. How may HCFs other than hospitals, nursing homes etc. such as veterinary hospitals, animal houses, AYUSH hospital have been

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Monitored?

Ans: Nil

Ques 11. What is the frequency for conducting training or capacity building programmes for State Board officials and for Staff of HCFs?

Ans: Training programme to officials in the island of Kavaratti, Agatti, Andrott, Amini and Minicoy is conducted during July, 2019. All remaining islands will be completed during November, 2019. Once in 6 month scheduled to be conducted hereafter.

Ques 12. What is the status of installation of Continuous Online Emission Monitoring System with CBWTF and why it has not been implemented by all CBWTFs? What follow-up action has been taken by State Boards?

Ans: No CBWTFs not available in Lakshadweep. However, action is initiated to monitor the incinerator installing under Bio Medical Waste management in Lakshadweep.

Ques 13. How OCEMS data received by State Boards is being validated?


Ans: Not applicable at this stage

Ques 14. What is the status of compliance to BMWM Rules, 2016 by CBWTFs? What action has been taken against defaulting facilities?

Ans: One 10 kg incinerator is under installation and commissioning for the incineration of biomedical waste in all inhabited islands. The commission will be completed March, 31 2021.

Ques 15. What is the frequency of monitoring of Healthcare Facilities for verification of compliance to BMWM Rules?

Ans: Action is initiated to verify the HCF's through island committee once in a month and state level committee once in 6 months.


(Damodhar A.T.) IFS
Secretary, Environment & Forest

5. Format for compliance of Hazardous & Other Waste (Management and Transboundary Movements Rules, 2016)

1. All the Chief Secretaries of the states/UT have to provide compliance status report on implementation of recommendations made by Monitoring Committee in its interim report as well as final report to monitor of provisions of Hazardous & Other Waste (Management and Transboundary Movement) Rules, 2016 in OA No.804/2017 in the matter of Rajiv Narayan & Anr Vs. Union of India & Ors. (Copies of Hon'ble NGT orders enclosed) as per the following format:

S. No	Direction of Hon'ble Tribunal in OA No.804/2017	Action plan along with timeline for implementation of orders of Hon'ble Tribunal	Current status of Implementation	Gaps identified for implanting the directions of the Hon'ble Tribunal	Details of state level committee constituted for the purpose of compliance of HOWM Rules, 2016
1	Vide orders dated 12.04.2019 Hon'ble NGT directed that <i>"Having regard to the sensitiveness of the issue and impact of noncompliance on environment and public health, the above recommendations need to be fully implemented and monitored"</i>	Lakshadweep do not have hazardous waste industries shown at Schedule I and Schedule II of HOW(M) Rules, 2016. No occupier for management of hazardous and other wastes existing at	Nil	100%. The UTLA appointed department of Environment & Forest as Executing & Implementing	State Level Committee for the purpose of compliance of HOWM rules, 2016 is being constituted.

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	<i>by the Chief Secretaries at State Level."</i>	present. However, an inventory survey with nodal department is envisage to identify the actual hazardous waste generated in each island		agency for the management of Hazardous waste Rules in Islands. The Nodal department is directed to submit the inventory status of generation of Hazardous waste for its prevention, minimisation and safe disposal.	
2	Vide orders dated 26.08.2019 Hon'ble NGT directed that " <i>All the Chief Secretaries of the States/UTs may be directed to submit biannually Compliance report to CPCB by collecting information from the State Government/ Departments like</i>	Action Plan will be submitted immediately on completion after 4 months	Nil	100%. The Action plan preparation require the status and generation of hazardous waste in Lakshadweep	The State Level Committee appointed under the Rules review the progress once in a month

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	<i>Labour Industries Environment and SPCBs/PCCs</i>				
3	Vide orders dated 26.08.2019 Hon'ble NGT directed that " <i>The committee recommends Hon'ble Tribunal to direct Chief Secretaries of States to ensure effective and urgent Implementation of the provisions of the rules as stipulated under Rule 5 (2) of HOWM Rules, 2016 by Department of Labour.</i> "	No Hazardous waste management activities or hazardous waste occupier are present in Lakshadweep. No pre-treating, pre-processing or other utilisation activities with respect to hazardous waste is practising in Lakshadweep. No worker or labour is involved in such activities	Not applicable at present	0%	Not applicable


 (Damodhar A.T.) IFS
 Secretary, Environment & Forest

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Format for seeking information w.r.t Compliance to E-Waste Rules.

In the present OA 512/2018 (Shailesh Singh Vs. State of Uttar Pradesh) filed before Hon'ble NGT, Principal Bench, N-Delhi, the issue under consideration is management of E-Waste consistent with the E-Waste (Management) Rules, 2016. The grievance in this application is against unauthorized recycling/collection/dismantling units, burning and selling of E-waste and unscientific disposal of E-waste in violation of the Rules causing contamination of ground water, air pollution and soil acidification.

In compliance with the directions of the Hon'ble NGT, CPCB prepared an action plan for enforcement of E-waste (M) Rules, 2016. The stakeholders responsible for implementation of the said action plan included, CPCB, SPCBs/PCCs, Custom department, Ministry of commerce, Ministry of electronics & telecommunication & District Administration of all the States. CPCB has also written to the PS to Chief Secretaries for the compliance of the action plan and requested for submission of Action Taken Report (ATR). Only few state governments (District administration) have responded so far.

CPCB may again write to all the Chief Secretaries seeking information w.r.t to compliance of E-waste Rules in their respective states. The format for seeking information is as below:

Sl. No	Challenges/ Activities	Stakeholder responsible for implementation	Action	Current Status	Desirable level of compliance in terms of states	Gap between current status & desired level	Proposal for attending the gap with timelines	Name designation, contact number of designated officer for ensuring compliance to the provisions under statute
a.	Checking of informal trading, dismantling, and recycling of waste	SPCBs/PCCs District Administration/ CPCB	SPCBs/PCCs in coordination with District Administration has to carry out quarterly drive for checking of this activity	The Union Territory do not have authorised/unauthorised recycling centres/dismantling units at present. The UT is declared as no	100%	60%	The Executing Agency in consultation with LPCC make Island level and District level monitoring Committee for checking of informal trading, dismantling and recycling of	The Director, Information Technology, UTTLA, Kavaratti

				industry territory and no Electronic manufacturing unit are working in the islands. The E-waste viz. computer accessories, cartages, electronics watch, mobiles etc. are reaching from mainland through Kochi, Calicut and Mangalore port. After the usage the customers are way back to mainland or depositing in the CGD manned by the Environment department. No burning or unscientific disposal is taking place in islands.			E-waste The constitution of committee will be done in 2 months period	
b.	Facilitate collection and disposal of E-waste	SPCBs/PC Cs District Administration/ CPCB	State Government to formulate mechanism for collection and for incentivizing setting up of recycling facilities	Nil	100%	100%	The Department of Science & Technology should inventories the E-waste generated in islands. Also the Executing Agency in consultation with LPCC to evolve strategy to set up a recycling unit in one of the island for the E-waste management. A report in	Director, Science & Technology/ Director, information Technology

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							this regard will be submitted in 3 months.	
c.	Governance frame work for monitoring compliance	SPCBs/PCCs District Administration/CPCB	Monitoring to be ensured at city/district and state levels for which nodal officers (State Environmental Secretary, District Collector, CMD/Commissioners) to be designated. Time Frame- Three (3) Months	Nil	100%	100%	A State Level Monitoring Committee under District Collector, UTLA will be constituted by the Chief Secretary. Time frame 3 months	Monitoring Cell to Advisor to Administrator, E&F, Lakshadweep
d.	Capacity building at District/State/CPCB level	SPCBs/PCCs District Administration/CPCB	Special workshops to educate functionaries in government/NGO's be run over one year	Nil	100%	100%	The Director IT will coordinate for awareness and capacity building along with LPCC and conduct awareness in all 85 wards in Lakshadweep. The timeline required is one year.	Director, IT
e.	IEC plan be firmed up and executed	SPCBs/PCCs District Administration/CPCB	State Government to firm up IEC plan for educating public at large about the system of collection, incentive structure and facilities for recycling. Time Frame - Three (3) months	Nil	100%	100%	The IEC (Information Education & Communication) plan may be prepared in consultation with Member Secretary, LPCC with the approval of Chief Secretary and implemented within 3 months	Director, IT

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f.	Strengthen system of enforcement	SPCBs/PCCs District Administration/CPCB	Quarterly review of violations and enforcement actions at City/District/State level and quarterly reports to be filed with CPCB	Nil	100%	100%	The State / District / Island Level committees appoint under E-waste Management Rule will enforce the rules and review the violations in the Islands. The fortnightly report of the Island committee will be submitted to District Level Committee under the chairmanship of ADM, UTIA for review. The ADM should submit monthly report to District Collector, UTIA. The State Level Committee review and report to Chief secretary once in two months for the preparation of Final report to Hon'ble NGT Quarterly	SDO/DC/Director, IT/ADM/District Collector
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 (Damodhar A.T.) IFS
 Secretary, Environment & Forest

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NGT Court Matter/Most Urgent & Time Bound

भारतसर्कार/ GOVT. OF INDIA
लक्षद्वीप संघ राज्य क्षेत्र प्रशासन / U.T of LAKSHADWEEP ADMINISTRATION
पर्यावरण एवं वन विभाग/Department of Environment & Forest
कवारत्ती द्वीप/Kavaratti Island - 682555
E-mail: lak-def@gov.in; lk-efpolicy@gov.in Ph : 04896 262592

F. No.12/2018E&F/1053

Dated: 11.10.2019

To

1. The Director, S&T and Member Secretary, LPCC, UTLA
2. The Director, DMHS, UTLA
3. The Director, Department of Information Technology, UTLA
4. The Superintending Engineer, LPWD, UTLA
5. The Executive Engineer, Electricity, UTLA

Sub: - Hon'ble NGT OA No.606/2018-Authority to implement Integrated Waste management in UTLA - Regarding;

- Ref: - 1) Hon'ble NGT order in OA No. 606/2018 dated 14.05.2019
2) Minutes of meeting F.No.LD-03001/2/2017-LPCC-UT-LKS. dated 19.11.2019
2) Note Sheet order of Hon'ble Administrator dated 09.10.2019

Sir,

The Hon'ble Administrator, UTLA pleased to appoint the following department as Nodal agencies to implement integrated waste management in Union Territory of Lakshadweep is as below.

Sl. No	Name of Rules under integrated waste	Implementation/Execution agency in UTLA	Regulatory Authority in UTLA
1	Solid Waste (Management) Rule, 2016	Department of Environment & Forest	LPCC
2	Plastic Waste (Management) Rule, 2016	Department of Environment & Forest	LPCC
3	Bio Medical Waste (Management) Rule, 2016	Directorate of Medical & Health services	LPCC
4	E-Waste Management Rules, 2016	Department of Information Technology	LPCC
5	Construction and Demolition of Waste (Management) Rule, 2016	LPWD	LPCC
6	Hazardous Waste (Management) Rule, 2016	Department of Science & technology	LPCC
7	Batteries Management and Handling Rule, 2001	Department of Electricity	LPCC

All the above departments should execute/implement/regulate the waste generated in Lakshadweep as per Solid Waste Management Rule, 2016, Plastic Waste (Management) Rule, 2016, Bio Medical (Waste Management) Rule, 2016, E-Waste Management Rule, 2016, Construction and Demolition Waste (Management) Rule, 2016, Hazardous Waste (Management)

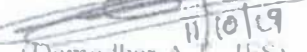
11/10/19
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Rule, 2016 and Battery Waste (Management) Rule, 2016 of Ministry of Environment, Forest & Climate Change, GOI, New Delhi. All the previous orders in this regard stand cancelled.

This is issued with the approval of Hon'ble Administrator, UTLA vide diary No.3269, dated 10th October, 2019.

Yours faithfully,


(Damodhar A. P., IFS)
Conservator of Forests

Copy to

1. The PA to Hon'ble Administrator, UTLA, Kavaratti for his kind information, Please
2. The PA to Advisor to Administrator & Chairman, SLAB, UTLA, Kavaratti for his kind information, Please.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032; E-mail : ceb.cecb@nic.in

9/10/19

The following capacity building programme has taken place during the quarter period (from 10.08.2019 to 09.11.2019) under solid and Plastic waste management.

Sl.No	Name of Programme	Place with period	Stakeholder/Core group	Expenditure (in Lakh)	Remarks
1	Swachhta Hi Seva from 11.09.2019 to 02.10.2019	All Islands	School Students/Government officials/Locals/SHG'S/NGOs	26 Lakh	Theme: To eliminate single use plastic Activities conducted: Cleaning, Awareness competition in 56 Schools, ward awareness through Panchayat Raj Institutions, Publication of notice, pamphlets, Pada Yatra, Plantation, Cycle Rally etc.
2	International Ozone Day, 2019	All islands	School Students/NGOs/SHGs/ASHA workers	3 Lakh	Theme: To inculcate the tempo of Environmental Awareness among students & Public. Activities conducted: Awareness competitions to School Students, UT level function with capacity building to B.ED & TTC students of Lakshadweep. State concluding ceremony conducted at Secretariat Conference Hall on 16 th September 2019 under the Chairmanship of Hon'ble Administrator.
3	IEC using standard messages on walls through paintings	School Stadium wall (100 x 2 meter). Kavaratti	School Students/Artists/Departmental Staffs	1 Lakh	Theme: Swachh Lakshadweep Abhiyan- Open Defecation Free Plus activities.
4	Coastal Clean-up Day	Kavaratti, Kadmat and Minicoy Islands.	NCC/NSS volunteers, Departmental Heads, Locals	1 Lakh	Theme: To clean all coastal beaches and to eliminate plastic waste that are harmful human and other marine living creatures. Activities conducted: Cleaned 5 km beach stretching with participation of 1000 plus volunteers. A total of 4300 kgs Plastic Waste collected and segregated in the CGD.

(A.C Abdul Jabbar)
RFO & Head, Environment

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30/10/2019



भारत सरकार / GOVT. OF INDIA

लक्षद्वीप प्रशासन / LAKSHADWEEP ADMINISTRATION

विज्ञान एवं प्रौद्योगिकी विभाग / DEPARTMENT OF SCIENCE & TECHNOLOGY

कवरत्ती द्वीप 682 555 / KAVARATTI ISLAND -682 555

File No: LD-03003/1/2017-LPCC-UT-LKS

Dated: 12.09.2019

ORDER

Sub - Constitution of State Advisory Committee for Bio Medical Waste Management Rules, 2016 – Regarding.

The Administrator, UT of Lakshadweep is pleased to reconstitute the State Advisory Committee under the Chairmanship of Secretary (Health), UT of Lakshadweep to implement the Bio-Medical Waste Management Rules, 2016 in the Union territory of Lakshadweep with following members:

- | | |
|--|--------------------|
| 1. Secretary (Health) | - Chairman |
| 2. Conservator of Forests, E&F, UTL | - Member |
| 3. Director (Health) | - Member |
| 4. Director, Animal Husbandry | - Member |
| 5. Chief Executive Officer, District Panchayat | - Member |
| 6. Member Secretary, LPCC | - Member |
| 7. A Representative of IMA, Kerala Chapter | - Member |
| 8. Shri A.I. Muhsin, Scientist, DST | - Technical Member |

Terms of Reference:

1. Review of Implementation of the Rules and NGT orders.
2. Taking Policy decisions as per recommendations received from District/Island Level Committee.
3. The State Advisory Committee shall meet once in six months.

The Order vide even no. dated 28.06.2017 is hereby cancelled.

This issued with the approval of the Competent Authority.

(MIHIR VARDHAN, IAS)
Secretary (Health)

To

The Officers Concerned

Copy to:

1. PA to the Administrator, UT of Lakshadweep for kind information
2. PA to the Advisor to the Administrator, UT of Lakshadweep for kind information
3. Member Secretary, Central Pollution Control Board, New Delhi

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4. PA to the Secretary (Health), UT of Lakshadweep for kind information
5. PA to the Secretary (Environment), UT of Lakshadweep
6. Conservator of Forests, Dept. of Environment & Forests, U. T of Lakshadweep
7. Member Secretary, Lakshadweep Pollution Control Committee
8. Director, Health Services, UT of Lakshadweep for necessary action
9. Mission Director, National Health Mission, Lakshadweep
10. Director, Animal Husbandry, UT of Lakshadweep
11. Director, Ayush, UT of Lakshadweep
12. Medical Superintendent, Indira Gandhi Hospital, Kavaratti
13. Authorized Officer, RGS, Agatti
14. Medical Officer- in- Charge, Govt Hospital, Minicoy
15. Medical Officer-in-charge, all HCFs in islands
16. Deputy Collector/SDO's in all islands

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भारत सरकार / GOVT. OF INDIA

लक्षद्वीप प्रशासन / LAKSHADWEEP ADMINISTRATION

विज्ञान एवं प्रौद्योगिकी विभाग / DEPARTMENT OF SCIENCE & TECHNOLOGY

कवरत्ती द्वीप 682 555 / KAVARATTI ISLAND -682 555

File No: LD-03003/1/2017-LPCC-UT-LKS(1)

Dated: 12.09.2019

ORDER

Sub:- Constitution of District Level Monitoring Committee for Bio Medical Waste Management Rules, 2016 – Regarding.

The Administrator, UT of Lakshadweep is pleased to constitute a District (Island) Level Monitoring Committee under the Chairmanship of Deputy Collector/Sub Divisional Officer of island to implement the Bio-Medical Waste Management Rules, 2016 in the respective island with following members:

- | | |
|---|--------------------|
| 1. Deputy Collector/Sub Divisional Officer | - Chairman |
| 2. Assistant Engineer, LPWD | - Member |
| 3. Veterinary Assistant Surgeon, Animal Husbandry | - Member |
| 4. Executive Officer, Village (Dweep) Panchayth | - Member |
| 5. A representative of Department of E&F | - Member |
| 6. A representative of LPCC | - Member |
| 7. A representative of IMA, Kerala Chapter | - Member |
| 8. Medical Officer i/c, Department of Health | - Member Secretary |

Terms of Reference:

1. The District (Island) Level Monitoring Committee shall be responsible to monitor the compliance of the provisions of the rules in the Healthcare facilities generating bio-medical waste
2. The Committee shall also monitor the bio medical waste treatment and disposal facilities where the bio medical waste is treated and disposed of.
3. To ensure maintenance of records related to generation, collection, reception, storage, transportation, treatment and disposal and is in accordance with the rules in each of the facility of the district (Island).
4. Review of progress of various stakeholders department involved in the implementation of the Waste Management Rules.

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5. The District (Island) Level Monitoring Committee shall meet at least once in six months and shall submit its report to the State Advisory Committee concerned for taking further necessary action.

This issued with the approval of the Competent Authority.



(MIHIR VARDHAN, IAS)
Secretary (Health)

To

The Officers Concerned

Copy to:

1. PA to the Administrator, UT of Lakshadweep for kind information
2. PA to the Advisor to the Administrator, UT of Lakshadweep for kind information
3. Member Secretary, Central Pollution Control Board, New Delhi
4. PA to the Secretary (Health), UT of Lakshadweep for kind information
5. PA to the Secretary (Environment), UT of Lakshadweep
6. Conservator of Forests, E&F, Kavaratti
7. Member Secretary, Lakshadweep Pollution Control Committee
8. Director, Health Services, UT of Lakshadweep for necessary action
9. Mission Director, National Health Mission, Lakshadweep
10. Director, Animal Husbandry, UT of Lakshadweep
11. Director, Ayush, UT of Lakshadweep
12. Medical Superintendent, Indira Gandhi Hospital, Kavaratti
13. Authorized Officer, RGS, Agatti
14. Medical Officer- in- Charge, Govt Hospital, Minicoy
15. Medical Officer-in-charge, all HCFs in islands
16. Veterinary Assistant Surgeon, Department of Animal husbandry in all islands.
17. Deputy Collector/SDO's in all islands

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for

ATR Minutes of meeting in connection with 3rd State Level Advisory Body (SLAB) on Solid Waste Management dated.30.05.2019 in Lakshadweep. The Land has been identified in the Islands for the demolished waste as detailed below. The department will re-use the material for the extend maximum possible excess quality will be optioned for the re-use of public.

Island	Sl. No	Locality	Length (in Metre)	Width (in Metre)	Area (in Sqm)	Total Area (in Sqm)
Androth	1	Near Keelachery Palli	30	14.33	429.9	429.9
Agatti	1	Near State Guest House	73	45.50	3321.50	3321.50
Amin	1	Proposed swimming pool site	-	-	1460	3912.90
	2	Store Yard	44	20	258	
	3	Near kanjarapalli	21.50	22	473	
	4	West side of pattakal house	58.50	32.70	1214.40	
	5	Near Gandhi Nagar	24	22	265.50	
	6	Near Dak Bungalow	22	11	242	
Chetlat	1	Near Water Quality Testing Laboratory	26.70	15	400.5	652.5
	2	Near Water Quality Testing Laboratory	21	12	252	
Kadmat		LPWD Eastern store yard	30	10.25	307.5	307.5
Kalpeni	1	Near north side of North West Jetty	-	-	2500	2500
Kavaratti	1	Eastern Side of Pariyavaran Bhavan	10	8	80	3480
	2	IGH Yard	30	15	450	
	3	Near Animal husbandry Directorate	65	30	650	
	4	Animal Husbandry Yard	60	50	1050	
	5	West side of Brick yard	30	20	600	
	6	Back side of Cement Godown	80	25	650	
Kiltan	1	Near Dak Bungalow	20	15	300	300
Minicoy	1	West side of PWD Store	28	8	224	524
	2	West side of IAP Office	25	12	300	

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Visit of TRU-MANIT consulting team to UT of Lakshdweep

As per the guidelines of Hon'ble NGT and MoEF, it is incumbent upon the urban local bodies and local administrative bodies to ensure that the provisions of Solid and Liquid waste management rules are followed in their administrative jurisdiction.

- 1- Municipal Solid Waste Management Rules 2016
- 2- Plastic Waste Management Rules 2016 as amended 2018
- 3- Construction and Demolition Waste Management Rules 2016 as amended 2018
- 4- Biomedical Waste Management Rules 2016 as amended 2018

In association with this it is the responsibility of the local administration to ensure the proper management of Liquid Waste,

- 1- Sewage Treatment Plant and reuse of treated water
- 2- Effluent treatment plant for the effluent coming out of industries/ Medical facilities
- 3- Faecal Sludge Management System

Hon'ble NGT has mentioned at several occasions that waste management is not a matter of choice but of compliance. The central government has dedicated funds and schemes for the solid and liquid waste management.

In order to meet the above cited compliance conditions, it is important to work on the integrated Solid Waste Management Plant and Liquid Waste Management Plants in the jurisdiction of UT of Lakshadweep. We had called the Consultants from TRU-MANIT (Team Rethinking Urbanism and Maulana Azad National Institute of Technology) to have a ground understanding of the problem related to Solid and Liquid Waste management in the areas of Lakshdweep.

The consultant has visited the location and based on their primary study and a meeting with other stakeholders, followed points are summarized-

- 1- Waste management is a complete service package and it should not be confined to purchase of machineries and getting in to loop of managing those by the administration staff. Effort should be to get the project running through a dedicated

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concessionaire on PPP mode. Waste management in other parts of the country are shifting completely on PPP mode.

- 2- As the population at UT of Lakshdweep is distributed across various islands, it is important to work on a decentralized approach of waste management to save on the cost and efficiency. Entire UT to be divided in three zones for waste management perspective and three such plants should be established in each zone.
 - a. **Zone 1**- Plant to be established at Kavaratti to cover Agatti and Kavaratti islands
 - b. **Zone 2** – Plant to be established at Andrott to cover Andrott
 - c. **Zone 3** – Plant to be established at Kadmat to cater Kadmat and 5 adjoining islands
- 3- Declaring entire UT of Lakshdweep an EcoSmart Zone by ensuring
 - a. 100% compliance related to solid waste management. This means all the solid waste generated on the island is being put to process within the island
 - b. 100% compliance related to Liquid waste management. This shall mean all the liquid waste generated is being put through process before final disposal and reuse.
- 4- Following approach is suggested for Integrated Solid Liquid Waste Management
 - a. Establishment of one integrated solid waste management plant in each zone with the provision of
 1. A biomass based waste to energy (syngas) plant to consume the coconut shell and husk waste. With 5 MT per day generation of such waste it is planned to produce about 4 MW of electricity per day from each plant. This shall be a great achievement towards saving fossil fuel as well.
 2. An Eco-tile plant to produce road tiles from waste plastic, glass and sand available in plenty at the islands. The C&D waste produced at the island may also be put to use by installing a crusher and segregator plant.
 3. An incinerator based on the current CPCB guidelines for incinerating the biomedical and sanitary waste.

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4. A **Containerized Composting** plant for the waste coming out of the households for converting into manure.
 5. A **Pyrolysis** plant can be established in one of the zones to cater to the tyre and hard plastic items from all the zones. It shall be sufficient to cater to the need as the generation of such waste is limited.
 6. A **Paper Recycling** plant to ensure that all the paper waste is recycled to produce office stationary to be used in UT administration offices.
 7. One **FSTP (Faecal Sludge Treatment Plant)** on each of the zone to take care of Faecal Sludge treatment.
- 5- The medical facility at the island should be their **dedicated ETP** to ensure that the effluent coming out of the medical facility is not getting mixed with any other type of water. This is also important to ensure avoidance of any contamination. Medical waste segregation and management system should be practiced in all the medical facilities.
- 6- Further for Liquid waste management is it important to establish one **STP (Sewage treatment Plant)** on each of the inhabited island. This shall require provision of **sewage lines** also in the island. The project may be started with decentralized plants at the major islands in the first go.

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केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
(पर्यावरण एवं वन मंत्रालय, भारत सरकार)
MINISTRY OF ENVIRONMENT & FORESTS

SPEED POST

NGT MATTER

F.No. B-29016-NGT/C-08/2019/WM-II Div./

Date: September 05, 2019

To

The Member Secretary
Lakshadweep Pollution Control Committee
Dept. Of Sc.& Technology, Kavaratti Island,
U.T of Lakshadweep- 682555

Sub: Directions of the Hon'ble NGT with regard to non-compliance of Hazardous and Other Waste (Management, Handling and Transboundary Movement) Rules, 2016 and certain issues-reg.

Ref: (i) Orders of Hon'ble NGT dated 26.08.2019 in the matter of O.A no. 804/2017, Rajiv Narayan & Anr Vs. Union of India & Ors.

(ii) CPCB letter F.No. B-29016/C-08/19/WM-II Div./5636-5670 dated 22.08.2019.

Sir/Madam,

This has reference to the above referred orders dated 26.08.2019 of the Hon'ble NGT directing States/UTs, CPCB, SPCBs/PCCs, port authorities, DGFT, MoEF&CC, Ministry of Shipping, Ministry of Labour & Employment and Department of Labour of concerned States/UTs to take necessary steps for compliance of recommendations of the Monitoring Committee within the timeline specified. The Hon'ble Tribunal also decided that if there is any default, the Tribunal may consider requiring environmental compensation to be paid by the defaulting parties.

In this regard, CPCB has already forwarded summary of recommendations and action points of the final report of the Monitoring Committee vide letter dated 22.08.2019. There are 10 action points pertaining to SPCBs/PCCs in the aforesaid final report which are given below:

I. Directions w.r.t contaminated sites and related issues:

(Recommendation No. 1.1): CPCB/SPCBs/PCCs to ensure that the hazardous waste accumulated at all such identified sites shall be disposed of either through Treatment, Storage and Disposal Facilities (TSDFs) or onsite secured landfilling (SLF) on priority to stop further contamination (CPCB/ SPCBs/PCCs: 06 months).

(Recommendation No. 3.2): Assessment of about 195 probable contaminated sites and any new additional sites recommended by CPCB/SPCBs/PCCs shall be completed within period of 1 year after publication of such guidance document by CPCB. (CPCB/SPCBs/PCCs: 1 year)

परिवेश भवन, पूवी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi - 110032

दूरभाष: 2305793, 22307078, 22307079, 22301932, 22304948

ई-मेल: e-mail: cpcb@nic.in वेबसाइट: Website: www.cpcb.nic.in

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(Recommendation No. 5.1): MoEF&CC/CPCB/SPCBs/PCCs shall undertake action research and also promote academic courses on this subject in association with academic and research institutions. (MoEF&CC/CPCB/ SPCBs/PCCs: 06 months)

II. Directions w.r.t import and export of hazardous wastes and issues:

(Recommendation No. 15.1): Used/ Waste Oil generated from ships collected by the reception facilities of various ports shall be covered under Authorisation by SPCBs/PCCs for its designated disposal and facilitate tracking of waste under HOWM Rules, 2016. (Port Authorities/ SPCBs/PCCs: Immediate)

(Recommendation No. 18.1): Regular interaction between the Ministry of Environment Forest and Climate Change, CPCB, SPCBs/PCCs, customs and ports authorities should take place with frequent consultative meetings and trainings in order to avoid working in silos. (MoEF&CC, CPCB, SPCBs/PCCs, Customs and ports authorities: On a regular basis)

III. Directions w.r.t waste reception facilities in ports to deal with wastes generated from ships (MARPOL):

(Recommendation No. 20.1): State Pollution Control Boards shall enforce provisions of HW Rules, 2016 for grant of authorisation and manifest submissions at such waste reception facilities as well as port operations. SPCBs shall ensure that the HW handled at such facilities and ports should be covered in the Annual report to be prepared as per HOWM Rules, 2016. (SPCBs/PCCs and Port Authority: with immediate effect)

IV. Directions w.r.t display of information outside the factory gate:

(Recommendation No. 26.1): Considering the orders of the Hon'ble Apex court and also the need of information sharing with the local community the committee recommends that the SPCBs need to ensure the compliance of the directions of the Hon'ble Apex court on regular basis rather than a onetime compliance.

(Recommendation No. 26.2): The verification of the updation of display board should be an integral part of any inspection carried out by CPCB/SPCBs/PCCs without exception. In case of noncompliance the concerned officer should be subjected to departmental actions. (CPCB/SPCBs/PCCs: Immediate)

V. Directions w.r.t institutional reforms:

(Recommendation No. 27.1): Capacity building in CPCB and SPCBs/PCCs and other agencies (viz., trained adequate manpower, laboratory, budget etc.) shall be expedited as recommended in the orders of Hon'ble NGT dated 12.04.2019.

(Recommendation No. 27.2): CPCB/SPCBs/PCCs shall proactively engage in research and development activities by supporting research in clean technology and cleaner production and also, awareness program for the purpose. (CPCB and SPCBs/PCCs: Immediate)

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In addition to above directions, the Hon'ble Tribunal has also directed the following

I. W.r.t Spent Solvent Recovery units:

To comply with recommendations given by CPCB with regard to spent solvent recovery units as outlined in para 13 of section IV of the aforesaid order

II. W.r.t compliance of action points recommended by Monitoring Committee in its Interim Report:

To comply with recommendations given by CPCB which have been given in para 16 of section IV of the aforesaid order

Further Hon'ble NGT in para 20 of section VI of the aforesaid order has given various directions which are needed to implemented in time bound manner. These directions are with regard to Inventory, Contaminated sites, compliance of action points given by Monitoring Committee in its Interim Report & Final report submitted to the Hon'ble Tribunal and setting up of TSDI in State/UT. The Hon'ble Tribunal has also directed the following

ii. Since it has been reported that State Boards PCC's of Dadra & Nagar Haveli, Haryana, Daman & Diu, Manipur, Lakshadweep and Nagaland have not furnished the relevant data the said States UTs may furnish the data within one month to the CPCB, failing which they will be liable to pay a sum of Rs. 1 lakh per month with effect from 01.10.2019.

iii. As already directed, all the States which have not set up TSDI may do so and the States which fail to set up the same up to 31.03.2020, will be liable to pay environmental compensation of Rs. 10 lakh per month. However, with regard to States which may be categorized as small States, having regard to the quantum and nature of generation of hazardous waste, the liability to pay compensation will start from 01.01.2021.

Copy of the aforesaid order dated 26.08.2019 is also enclosed for taking necessary actions within the stipulated time. It is also requested to provide compliance status report of the aforesaid order to CPCB by 31.10.2019.

Yours faithfully



(Abhey Singh Soni)

Additional Director and Divisional Head
Waste Management-II

Encl: As Above

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भारत सरकार/GOVT. OF INDIA

लक्षद्वीप प्रशासन/LAKSHADWEEP ADMINISTRATION

लक्षद्वीप प्रदूषण नियंत्रण समिति/LAKSHADWEEP POLLUTION CONTROL COMMITTEE

विज्ञान एवं प्रौद्योगिकी विभाग/DEPARTMENT OF SCIENCE & TECHNOLOGY

कवरत्ती द्वीप 682 555/ KAVARATTI ISLAND -682 555

File No: LD-03006/7/2019-LPCC-UT-LKS

Dated: 19.10.2019

To

Shri Abhey Singh Soni,
Additional Director & Head
Waste Management II Division,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi- 110 032
E-Mail:

Sub: Directions of the Hon'ble NGT to non compliance of Hazardous and Other Waste (Management, Handling and Transboundary Movement) Rules, 2016 and certain issues- Reg.

Sir,

Kindly refer the letter dated 05/09/2019 regarding the directions of the Hon'ble NGT to non compliance of Hazardous and Other Waste (Management, Handling and Transboundary Movement) Rules, 2016 and certain issues. The requisite details asked as per the prescribed format is as follows:

I. Directions w.r.t contaminated sites and related issues:

(Recommendation No. 1.1): In the Union Territory of Lakshadweep there is no hazardous waste accumulated sites identified and no Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) or onsite secured land filling (SLF).

(Recommendation No.3.2): There is no probable contaminated sites identified by the CPCB in the UTL

(Recommendation No. 5.1): UTL Administration and LPCC conducting awareness and training programme in the HOWM Rules, 2016

II. Directions w.r.t important and export of hazardous wastes and issues:

(Recommendation No. 15.1): No waste reception facilities in the UTL, all the used oil/waste oil generated from Ships/Vessels operating in Lakshadweep is disposed in Kochi/Beyepore/Mangalore.

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(Recommendation No. 18.1): UTL Administration and LPCC being conducted meeting with Port Authorities and training to Port and customs authorities shall take place with frequent consultative meetings and trainings.

III. Directions w.r.t waste reception facilities in ports to deal with wastes generated from ships (MSRPOL):

(Recommendation No. 20.1): No waste reception facilities in this UT

IV. Directions w.r.t display of information outside the factory gate:

(Recommendation No. 26.1): NA

(Recommendation No. 26.2): NA

V. Directions w.r.t institutional reforms:

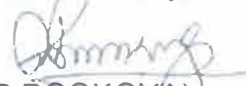
(Recommendation No. 27.1): LPCC engaging the experts/Scientists of CPCB/Kerala SPCB and Other Scientific Organizations for training of the officials and capacity building of the officials of LPCC and other stake holders.

(Recommendation No. 27.2): LPCC engaging the experts/Scientists of CPCB/Kerala SPCB and Other Scientific Organizations awareness program for the purpose.

- I. W.r.t Spent Solvent Recovery units: No Spent Solvent Recovery Unit in this UT.
- II. All the recommendations of CPCB as well as Hon'ble NGT shall be comply which is relevant in this UT

This is for your kind information.

Yours faithfully,



(P. POOKOYA)

Member Secretary, LPCC

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pm

IN THE NATIONAL GREEN TRIBUNAL, DELHI

Original Application / Appeal / Misc. Application No. 606 of 2018

IN THE MATTER OF:

.....Compliance of Municipal Solid.....Applicant(s)
 Waste Management Rule-2016 Appellant(s)
 VERSUS

..... Respondent(s)

VAKALATNAMA

I/We **Union Territory of Lakshadweep**, Applicant(s) / Appellant(s) / Respondent(s) in the above Original / Misc. Application /Appeal do hereby appoint and retain **Shri Rajesh Kumar Das**, Advocate to act and appear for me/us in the above Original / Misc. Application /Appeal and on my/our behalf to conduct and prosecute (or defend) the same and all proceedings that may be taken in respect of any application connected with the same or any decree or order passed therein including proceedings in taxation and applications for review, to file and obtain/ return of documents and to deposit and receive any money on my/our behalf in the said Original / Misc. Application /Appeal and in applications for Review and to represent me/us and to take all necessary steps on my/our behalf in the above matter. I/We agree to ratify all acts done by the aforesaid Advocate in pursuance to this authority.

Dated this the 05 day of Nov. 2019

Accepted, Identified & Certified

Put Signature(s) below:

Rajesh Kumar Das
Shri Rajesh Kumar Das
 Advocate

B-244, LGF
 G.K Part-1
 New Delhi-110048
 Ph: 09868676799



[Signature]
 Applicant(s)/Appellant(s)
 Respondent(s)/Caveator(s)

MEMO OF APPEARANCE

To,

The Registrar
 National Green Tribunal
 New Delhi

Sir,

Kindly enter my appearance in the above mentioned Original / Misc. Application /Appeal / Reference / Review made on behalf of the above named Applicant(s)/appellants(s)/Respondent(s).

Yours faithfully

New Delhi
 Dated. 05.11.2019

Rajesh Kumar Das
(Shri Rajesh Kumar Das)
 Advocate for the Applicant (s)
 Respondent(s) / Appellant (s)

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO:
Case No - O.A. No - 606 OF 2018

IN THE MATTER OF:

Compliance of Municipal ...APPLICANT

Solid Waste. VERSUS
Management Rules - 2016

...RESPONDENT

PROOF OF SERVICE

APPLICANT	
RESPONDENT NO. 1	Not in services
RESPONDENT NO. 2	
RESPONDENT NO. 3	
RESPONDENT NO. 4	
RESPONDENT NO. 5	

Rajesh Kumar Das

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI
O.A NO. 606 OF 2018

IN THE MATTER OF:-

Compliance of Municipal Solid Waste Management Rules, 2016

NODH: 10 / 08 / 2019

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Filed By

Rajesh Kumar Das

Rajesh Kumar Das

Legal Counsel for Lakshadweep Administration

B-244, LGF, G.K. PART-1,

NEW DELHI

Contact-9868676799, 9871795199

Email ID:Orajputra@gmail.com

Report in Compliance to Order Dated 14.
Application No. 606/2018 before National
New Delhi.

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The present report contains the progress that has been made pursuant to the order of the Hon'ble NGT of 14.05.2019 and in compliance to the directive at para 45(ii) to furnish quarterly report and first one by 10.08.2019.

The point wise progress is as follows:-

1. As per directive at para 45(i) the Advisor has held 3 monthly monitoring meetings on 30.05.2019, 28.06.2019 and 24.07.2019. The copies of the minutes are enclosed at **Annexures-R1, R2 and R3.**
2. As per directive at para 45(iii) the concerned officers have been imparted training by the Department of Science and Technology and the Department of Environment and Forest. The details of the training imparted is enclosed at **Annexure R4.**
3. As per the directive at para 45 (iv) estimate of value of environmental degradation and cost of restoration will be undertaken by the Lakshadweep Pollution Control Committee on the basis of cost benefit analysis. This work is proposed to be completed by 31.12.2019.
4. As per directive at para 45 (v) the performance audit of Lakshadweep Pollution Control Committee has been conducted by a Committee constituted by Central Pollution Control Board in May 2019. As per the report remedial action will be taken by LPCC by 31.12.2019.
5. As per directive at para 45(vi) the State Level Advisory Body in its meetings has recommended policy of rewards and incentives for individuals and institutions that have significantly contributed to the cause of the environment. In this regard it is proposed to give reward of 5 lakhs, 3 lakhs and one lakh to the best performing Village (Dweep) Panchayats. Further it is proposed to give Rs.5000/-, Rs.3000/ and Rs.1000 to best performing Swachh Ambassador Students in environmental conservation. This will be implemented from 02.10.2019.
6. As per observation at para 32 the steps taken under Rule 22 of the Solid Waste Management Rules, 2016 are shown at **Annexure R5.** Further it is submitted that the Department of Environment and Forest and Department of Medical and Health Services have submitted their annual reports in June and July, 2019 to the Lakshadweep Pollution Control Committee and further the LPCC has submitted consolidated annual report to the CPCB on 31.07.2019.

The following actions have also been taken.

Solid Waste Management:-

7. The Department of Environment & Forest have placed order for 10 incinerators with a capacity of 100, 50 and 25 kgs for all 10 inhabited islands for the purpose of disposing non-recyclable and non bio-degradable waste. Out of this, 5 incinerators have already been supplied in the islands of Kavaratti, Agatti, Amini, Andrott and Minicoy. The civil works are in progress. The installation of these five incinerators and commissioning is planned to be completed by 31.10.2019. In the case of remaining four islands, the supply is expected to take place by end of September, 2019 and the installation and commissioning is planned by December, 2019. The order for 25 kgs incinerator for Bitra will be placed and supply is expected by October 2019 and commissioning by December, 2019.
8. In order to have an integrated waste management system in Kavaratti, door to door collection of segregated wastes has been started with effect from 22.07.2019. The Department is collecting segregated solid waste from all 2418 houses present in island. The Department has issued supply order for the procurement of 5000(10 litre capacity), 35 (150 litre capacity) and 70 (200 litre capacity) waste bins for the collection of biodegradable and non-biodegradable wastes at Kavaratti Island. All this material with manpower is planned to be in place by 31.10.2019.
9. A bio-compost plant with a capacity of 20 MT is constructed at State Medicinal Plant Garden, Kavaratti, on the line of "Thumboor Model" of Alappuzha, Kerala and is operational from 22.07.2019. In addition, one 50 kgs electric composter and 15cum/hr shredder will be ordered and is expected to be installed and commissioned by 31.10.2019 at Kavaratti.
10. Further in order to handle the coconut by-products waste and leaf litter, it is proposed to procure shredder for coconut leaves and wood at Kavaratti and this will be in place by 30.11.2019.
11. The Department of Environment and Forest has submitted annual report under Solid Waste Management Rules, 2016 for the year 2018-19 which is enclosed as Annexure-R6 and further the LPCC has submitted consolidated annual report to the CPCB on 31.07.2019.

Plastic Waste Management:

12. The Department of Environment and Forests removed 610 MT of recyclable non bio degradable wastes to the mainland from 2017-2019 in all islands. In addition this year alone 153 MT of segregated waste have been removed and transported to mainland from Kavaratti. This process is still continuing. As far as plastic menace on the islands concerned the department is already in the process of procurement of incinerator and their installation in all islands as stated earlier.
13. The Department of Environment and Forest submitted annual report under Plastic Waste Management Rules, 2016 for the year 2016-17, 2017-18 and

2018-19 and is appended as Annexure-R7, R8 and R9 and further the LPCC has submitted consolidated annual report to the CPCB on 31.07.2019.

14. The Island Level Committees focused on awareness creation in the shop/market/hotels during the period from May, 2019 to July, 2019 against the use of plastic carry bags. Besides the Committees conducted inspection/raid in hotels/markets/shops at various islands against plastic carry bags. A total of 212 raids/inspections have been carried out by the Committee and the report is appended as Annexure-R10.

Bio -Medical Waste Management:

15. The Director, Medical & Health Services has placed work order for 10 Kgs/hour bio-medical incinerators for all health care facilities in the islands. These are expected to be installed and commissioned in all islands by 31.12. 2019. The Administration approved and sanctioned an amount of 5 crore for the procurement of machineries and development of infrastructure under the scheme. The manpower required for the collection, segregation, transportation and incineration of bio medical waste is under consideration. The Department submitted Action Plan for Bio Medical Waste Management during the year 2019. A Committee is appointed under the chairmanship of Deputy Collector (HQ) to finalise land required for the treatment of bio medical waste. The report of the Committee will be submitted on or before 31st August 2019.
16. The Director of Medical and Health Services has submitted annual reports of bio-medical waste management for the year 2017 and 2018 to the LPCC in April 2019. The LPCC in turn submitted the reports to CPCB in the same month and is appended as Annexure R11 & R12.
17. As per para 43 of order of Hon'ble NGT of 14.05.2019 and para 34 of 16.01.2019 the following institutional mechanisms have been set up for the implementation of the Act and rules.
 - i. Monitoring Cell is constituted under the chairmanship of Dr. Sajeevan, Ex-Chairman, Kerala Pollution Control Board and Member Lakshadweep State Level Monitoring committee to assist the Administration to streamline the integrated waste management activities and the notification of Monitoring Cell is appended as Annexure-R13. The Monitoring Cell conducted its first meeting on 15th July, 2019 and the minutes is appended as Annexure-R14.
 - ii. A Special Task Force under the Chairmanship of Additional District Magistrate is constituted to look after the capacity building, Information, Education and Communication (IEC) of stakeholders and to enforcement of Acts, Rules, Bye laws in the territory. The Notification of the Constitution of Special Task Force (STF) is

appended as **Annexure- R15**. The Special Task Force conducted its first meeting on 23rd July, 2019. The minutes of meeting of the Special Task Force appended as **Annexure- R16**.

18.To strengthen the Department of Environment and Forests in the implementation of the Act and rules 390 Safai Karmacharies, 56 Safai Assessors and 9 Supervisor have been appointed from 01.07.2019. Further 27 Swachh Dhoot Volunteers (SDV) on contract basis have been appointed for Swachh Sarvekshan work under Swachh Lakshadweep Abhiyan in the month of April, 2019.

19.In compliance to the para 34 of the NGT order dated 14.05.2019, the following clarifications are given.

- i. Regarding setting up of Sewage Treatment Plant, it is submitted that STP is not suitable for the island conditions. However, it is proposed to set up one Septage Treatment Plant with a capacity 5 cum/ day in Kavaratti on experimental basis. From 2007-2014, the Administration constructed 1648 bio toilets in the Islands of Andrott, Kavaratti and Bitra, which met the standard of CPCB in effluent discharge. The SLAB in its 4th meeting dated 28.06.2019 has taken decision to continue the installation and commissioning of bio-toilets in all households as per the recommendation and feasibility report submitted by Centre for Water Resource Development and Management (CWRDM), Kerala.
- ii. The Department of Environment and Forests is continuing collection, segregation, transportation and incineration of plastic waste as shown in para 12 above. As far as plastic menace on the islands concerned the department is already in the process of procurement of incinerator and their installation in all islands.
- iii. The Administration has endorsed Lakshadweep Action Plan on Climate Change in the year 2014. The UTL has included 37 departments with 124 schemes for the mitigation and adaption of Climate Change in Lakshadweep. The Department in collaboration with Zoological Survey of India has initiated 10year timeline action plan for the research and management of coral reefs in island.
- iv. The Administration is procuring a new oil barge for transport of diesel and other oils which will replace the transport of oil through barrels. Further oil storage tanks have been constructed. Besides all the oil storage spaces have been concreted to prevent leakage to the ground. This new vessel will be commissioned in December,2019. Further the Administration as a part of de-dieselisation policy plans to install solar energy plants in all the islands and in this regard an agreement has been signed with the Solar Energy Corporation of India.
- v. The Administration has directed Zoological Survey of India to prepare a comprehensive data base on Biodiversity and Water Quality for the preservation and conservation of marine protected

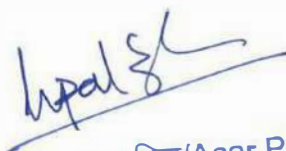
Quality for the preservation and conservation of marine protected species in lagoon/nearby marine environment within 2 months from 24.07. 2019.

- vi. The Administration notified tourism policy and guidelines for home stay during the year 2016-17 in line with direction of Hon'ble Supreme Court of India. Measures are also taken to strengthen Long Term Coral Reef Network Society working under Department of Environment & Forest, which employs staff for lagoon cleaning and capacity building work. The 5th SLAB directed the ENVIS Centre under Department of Environment & Forest to prepare and inculcate a new module on integrated waste in marine environment in their curriculum for scuba diving course that may help to bring about behavioural changes among the people in the long run.



(R. MIHIR VARDHAN)
Advisor to Administrator

E.No. 12/6/2018-E&F Dated 07.08.2019



असर पाल सिंह/Asar Pal Singh
स्थानिक आयुक्त/Resident Commissioner
केन्द्र प्रशासित प्रदेश लक्षद्वीप/UT Admn. of Lakshadweep
लक्षद्वीप हाऊस/Lakshadweep House
चाणक्यापुरी, नई दिल्ली/Chanakyaपुरी, New Delhi

**BEFORE THE HONOURABLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH AT NEW DELHI
Original Application No.606/2018**

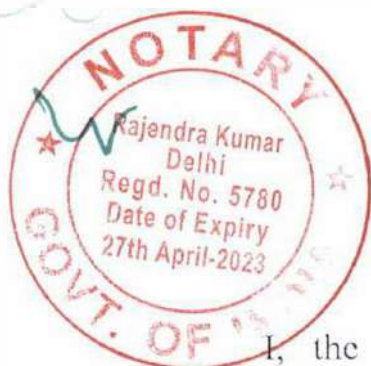
In the matter of:

Compliance of Municipal Solid Waste Management Rules, 2016

**REPORT OF ADVISOR TO THE ADMINISTRATOR UNION TERRITORY OF
LAKSHADWEEP, INDICATING COMPLIANCE TO ORDER DATED 14.05.2019.**

I Asar pal Singh, S/o Shri Jagat Singh, Age 63 years holding the post of Residential Commissioner of Union Territory of Lakshadweep and having its office at Lakshadweep House, Chanakyapuri, New Delhi, and as authorised by Hon'ble Administrator do hereby solemnly affirm and declare as under;

1. That the afore cited matter relates to Integrated Solid Waste Management as per the directions of Hon'ble NGT in its orders of OA No. 606/2018 dated 16.01.2019 and 14.05.2019.
2. It is submitted that the status up to April, 2019 was submitted to the Hon'ble NGT along with back ground information on 13.05.2019.
3. The present report of the Advisor is pursuant to the order of the Hon'ble Tribunal of 14.05.2019 wherein the following direction has been issued:-
"A quarterly report be furnished every three months. First such report shall be furnished by August 10, 2019".
4. In compliance to aforesaid direction enclosed the first quarterly report of the Advisor.



Verification

I, the above named Deponent verify at New Delhi on the 9th day of August, 2019 that the contents of the above compliance affidavit are true to the best of my knowledge and as borne out of the official records.
Nothing material has been concealed therefrom.

Asar pal Singh
(Deponent)
Resident Commissioner
UT Admin. of Lakshadweep
Lakshadweep House,
Chanakyapuri, New Delhi

RAJENDRA KUMAR, NOTARY, Reg. No. 5780
F No.-5(486)
EMPOWERED TO ADMINISTER THE OATH
SECTION 139 OF CPC 1908
SECTION 297 OF CRPC 1973
DELHI HIGH COURT RULES 1967
PART-6, CHAPTER XVIII-227
EVIDENCE BY AFFIDAVIT BEFORE NOTARY
SUPREME COURT RULES, 2013
ORDER IX-7

13441

CERTIFIED THAT THE CONTENTS EXPLAINED TO THE
DEPONENT EXECUTIVE WHO IS SEEMED PERFECT TO
UNDERSTAND & AFFIRMED DEPOSED BEFORE ME AT
DELHI ON..... IDENTIFIED BY.....
IDENTIFIED THE EXECUTIVE / DEPONENT WHO HAS
SIGNED IN MY PRESENCE

08 AUG 2019

IDENTIFIED

Asar pal Singh
(Deponent)
Resident Commissioner
UT Admin. of Lakshadweep
Lakshadweep House,
Chanakyapuri, New Delhi
9899446209

09 AUG 2019

ATTESTED
RAJENDRA KUMAR
NOTARY, DELHI-R-5780
GOVERNMENT OF INDIA
SUPREME COURT OF INDIA
COMPOUND, NEW DELHI
Registrar, Pn./Sl. No.

Minutes of Meeting of 3rd State Level Advisory Body (SLAB) on Solid Waste Management held on 30.05.2019

The 3rd State Level Advisory Body meeting was conducted under the Chairmanship of Shri. Mihir Vardhan, IAS, Advisor to the Administrator & Chairman, SLAB, UT/LA, Kavaratti. The members who attended the meeting are shown at Annexure-1.

The Range Forest Officer & Head, Policy & Legal Division of Department of Environment & Forest, welcomed the Chairman and all the members. With the permission of the Chair, the officer made detailed presentation on status and implementation of Solid Waste Management in respect of earlier meeting dated 16.01.2019. The Committee also elaborately discussed the NGT order dated 14th May 2019 in OA No. 606/2018. The following decisions were taken.

1. **Constitution of Monitoring Cell under Advisor to Administrator:** The Policy & Legal Division under Department of Environment & Forest is to act as **Monitoring Cell** under Advisor to Administrator for the implementation of Integrated Waste Management in Lakshadweep. It is also directed to strengthen the division by engaging the contract staff approved by the Administration, immediately (**Action: RFO & Head, Policy & Legal Division, E&F, Kavaratti**).
2. **Door to Door collection & Disposal of solid waste:** - The Chairman opined to start door to door waste collection & disposal from 15th July 2019 in Kavaratti by procurement of equipment and engagement of manpower. It was also directed to extend the activities in all other inhabited Island in timebound manner. A timeline action plan in this regard should be submitted to Monitoring cell on or before 15th June 2019 (**Action RFO, Environment, E&F, Kavaratti**).
3. **Training to officials under Integrated Waste Management:** The Lakshadweep Pollution Control Committee to plan training for all local bodies executive bodies. The training to all officials also will be completed on or before 1st August 2019 (**Action: Director, S&T/ Member Secretary, LPCC**).
4. **Engagement of Safai Karamchari's** :-The Chairman ordered to complete all procedural formalities to engage 455 safai karamchari's (safai supervisor 9, safai accessor, 56 and safai karmachari's 390) on or before 10th June, 2019 and compliance report be submitted to Monitoring cell on or before 15th June, 2019 (**Action: RFO & Head, Environment Division, E&F, Kavaratti**).
5. **Installation of New incinerator:** It was decided to install 10 new incinerators one each in all islands on or before 31st July 2019. The Department of Environment & Forest should depute one official to the mainland port exclusively to ensure the supply. Installation and commissioning of the incinerator in all inhabited islands in a time bound manner (**Action: Conservator of Forests, E&F, Kavaratti**).
6. **Development of Website for integrated Solid Waste Management:** The department of Environment & Forest should develop a website through tender process immediately under Integrated Waste Management programme and it should be completed on or

before 31st July 2019, so as enable Citizen Grievance Redressal Mechanism in Lakshadweep (Action: RFO & Head, Policy & Legal Division, Kavaratti)

7. Submission of Annual Report to CPCB: The Member Secretary, LPCC to ensure submission of annual report of integrated waste management to CPCB and submit compliance to the monitoring cell on or before 15th June 2019 (Action: Director, S&T/Member Secretary, LPCC)
8. Installation of Bio toilets: The Department of Science & technology should assess and report the present status of 1600 Bio toilets installed in various islands on or before 30th June 2019. Also they should ascertain the suitability to install Bio toilets and submit status report from CWRDM to monitoring cell on or before 20th June 2019 (Action: Director, S&T/Member Secretary, LPCC)
9. Establishment of Sewage Treatment Plant: It was decided to establish one each seepage treatment plant in all inhabited island for scientific treatment of septic tank waste in islands. The Body directed to adopt suitable technology in consultation with experts from Kerala Pollution Control Board, immediately (Action: Director, S&T/Member Secretary, LPCC).
10. Proposal of Model Islands: It was decided to propose Kavaratti, Andrott and Amini as Model Islands under Integrated Waste Management Programme. The Department of Environment & Forest should submit detailed Action plan for each model Islands to the Monitoring Cell on or before 30th June 2019 (Action: RFO & Head, Environment Division, Kavaratti)
11. Ranking Based Performance & Rewards: It was decided to institute ranking among Village Dweep Panchayats. The parameters for ranking will be the same that are instituted by CPCB and agreed by Hon'ble NGT in para 11 of the Judgement dated 14th May 2019. It was recommended to give an incentive of Rs.5 lakh, 3 lakh and one lakh based on their performance in each year. Also, incentive may be given at the rate of Rs.5000/-, Rs.3000/- and Rs.1000/- each to the Swachh Ambassador students who show extra ordinary performance in environment conservation, each year (Action: Conservator of Forests, E&F, Kavaratti).
12. Ban of Single use plastic in UTL: The Administration totally banned 14 Nos. single use plastic including carry bags with effect from 25th January 2019. It was decided to institute a proper implementation mechanism by constituting task force for effective implementation in each island (Action: Conservator of Forest, E&F, Kavaratti).
13. Enforcement of sanitation and Health: It is reported that several septic tanks in each island are leaking and produce unhealthy conditions to the community. It was decided to conduct detailed survey in each island. The Directorate of Medical & Health Services also to issue notice to all households where the leakages are noticed for rectification within shortest time period. The action may also be initiated against the defaulters and a consolidated report may be submitted to monitoring cell on or before 20th June 2019 (Action: Director, DMHS, Kavaratti).
14. Incinerator for Bio Medical Waste: It was decided to install 10 Kgs incinerators for each Hospital CHC's PHC's in each island for the incineration of medical waste. The



Director, DMHS take necessary step to procure and install the incinerator's immediately (Action: Director, DMHS, Kavaratti).

15. Implementation of Construction and Demolition (C&D) of Waste Management Rule: It is reported that all the C&D waste generated in each island is utilised for construction purpose. The Body directed the LPWD to submit the detailed time line action plan with budgetary provision for the implementation of C&D waste in UTLA on or before 20th June 2019 to the Monitoring Cell (Action: SE, LPWD, Kavaratti).
16. Vehicle for Waste Management: The Body directed the local waste management department to hire the vehicles necessary for scientific collection and transportation of integrated waste in each island through tender process (Action: RFO & Head, Environment Division, Kavaratti).
17. Collection of Plastic waste from uninhabited Islands: The Body directed department of Environment and Forest to submit detailed action plan for the collection, transportation and scientific disposal of plastic waste generated in uninhabited Islands through waves, current and tourism before 31st July, 2019 (Action: Conservator of Forest, E&F, Kavaratti).
18. Report submission: The Body directed all the local bodies under integrated waste management to submit their updated status on or before 20th of every month to the Monitoring Cell for compliance (Action: All Local Bodies/Department under Integrated Waste Management).

The SLAB meeting ended with thanks to the Chair.

This is issued with the approval of Competent Authority.

(दामोदर ए.टी.) आईएफएस
(Damodhar A.T.) IFS
वन संरक्षक
Conservator of Forests

F.No.66/3/2018-E&F, Dated 30.05.2019

To

All the members concerned

Copy to

1. The Hon'ble Secretary, Ministry of Environment, Forests & Climate Change New Delhi for his kind information, please.
2. The Chairman, Central Pollution Control Board, New Delhi for his kind information, please.
3. The PA to Advisor to Administrator, UTLA, Kavaratti for his kind information.

Annexure-1

C/23

3RD STATE LEVEL ADVISORY BODY MEETING
ON 30.05.2019 AT 11.00 AM

SL.NO	NAME AND DESIGNATION	SIGNATURE
1		
2	Not present	
3	Daoudine M. M. (R.D.)	
4	P. M. M. P. M. P. M.	
5	P. M. M. P. M. P. M. P. M. P. M.	
6	Dr. Muhammad Adams D.D.	
7	Shengabam C.N. S.E. L.P.W.	
8	P. M. M. P. M. P. M. P. M. P. M.	
9	P. M. M. P. M. P. M. P. M. P. M.	
10	Dr. K. S. S. S. S. S. S. S. S. S. S.	
11	P. M. M. P. M. P. M. P. M. P. M.	
12	A. C. M. M. P. M. P. M. P. M. P. M.	
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Minutes of Meeting of 4th State Level Advisory Body (SLAB) on Solid Waste Management held on 28.06.2019

The 4th State Level Advisory Body meeting was conducted under the Chairmanship of Shri. Mihir Vardhan, IAS, Advisor to the Administrator & Chairman, SLAB, UTLA, Kavaratti. The members who attended the meeting are shown at Annexure-I.

The Range Forest Officer & Head, Policy & Legal Division, Department of Environment & Forests welcomed the Chairman and SLAB members. The officer made detailed presentation on status and implementation of Integrated Waste Management in respect of earlier meeting dated 30.05.2019 and the achievements thereafter up to 20th June, 2019.

After detailed discussion of agenda points and action taken report the Body have taken the following decisions.

Constitution of Monitoring Cell under Advisor to Administrator: UTLA constituted Monitoring Cell under the Chairmanship of Dr. Sajeewan, Ex-Chairman, Kerala Pollution Control Board and Member State Level Monitoring Committee, UTLA on 26th June, 2019. The Chairman instructed the cell to start functioning forthwith. (Action: RFO & Head, Policy & Legal Division, E&F, Kavaratti).

1. **Door to Door collection and disposal of Solid Waste:** The Department of Environment & Forest issued supply order for the procurement of 5000 nos of 10 litre Capacity waste bins for the collection of biodegradable and non-biodegradable wastes at Kavaratti Island. In addition 35 nos. of 150 litre capacity waste bins supply order was placed to the firms for the collection of napkins/diaper from Island. The department has given work order to the firms for the supply of 70 nos. 200 litre capacity waste bins to be placed as community bins for the collection of non-biodegradable waste from public premises, in addition to the daily door to door collection proposed to be started from 22nd July 2019. The department should ensure service of door to door collection through non-governmental organization (NGOs)/Self Help Group (SHGs)/experience labourers (waste pickers/collectors) from the Island. (Action : RFO & Head, Environment Division, E&F, Kavaratti)

2. **Training/Capacity building to Officials/Students under Integrated Waste Management in Lakshadweep:** It is informed that, the Department of Science & Technology has taken approval from the Hon'ble Administrator to conduct training to Swachh workers/health workers/officials under the Administration in all the inhabited Islands under Integrated Waste Management Rule. The training should be completed in inhabited islands on or before 31st July.

2019. The Chairman also directed to conduct at least 3 capacity building programmes to the school students at Kavaratti Islands through monitoring cell under Integrated Waste Management. (Action: Member Secretary, LPCC & S&T, Kavaratti / RFO & Head, Policy & Legal Division, E&F, Kavaratti)
3. Engagement of Safai Karmacharis in Lakshadweep: It is reported that, all the procedural formalities are completed in the recruitment of Safai workers in Lakshadweep. The Chairman directed to appoint all the 455 Safai Karmachari's/Safai Assessors/Safai Supervisors with effect from 1st July 2019. (Action: RFO & Head, Environment Division, E&F, Kavaratti)
 4. Installation of New Incinerator in Lakshadweep: It is reported that, the 100 Kg. incinerator under Solid Waste Management Rule 2016 procured through Ensys Technologies Pvt. Ltd., Chennai has reached in the Islands of Amini, Andrott, Kavaratti & Agatti. The 100 Kg. incinerator meant for Minicoy Island has reached Beypore port and is waiting for the transportation. The Chairman directed the department to install and commission 100 Kg. incinerator of Kavaratti Island on or before 15th August 2019. The incinerator will be utilised to incinerate unusable and non-recyclable waste viz. napkin, diaper, plastic carry bags etc. (Action: Conservator, E&F, UTLA)
 5. Development of Website for Integrated Solid Waste Management: It is reported that, all the required documents for tendering and awarding website development is collected from Tourism Department and is under process. The Chairman directed the department to make an interactive website through tender processes for the public information and grievance redressal. The website to be developed within 2 months. (Action: RFO & Head, Policy & Legal Division / Website Coordinator, P&L, E&F, Kavaratti)
 6. Submission of Annual Report to CPCB: It is reported that the Directorate of Medical Health & Services submitted Annual Report for the year 2017-18 under Bio Medical Waste Management Rule 2016 on 26.04.2019. The Chairman directed the Department of Environment & Forest to submit Annual Report under Plastic Waste Management Rule 2016 for the year 2016-17 and 2017-18 as per NGT order dated 14.05.2019. In addition the Chairman directed the department to submit Annual Report under Solid Waste Management Rule 2016 and Plastic Waste Management Rule 2016 for the current year on or before 31st July 2019 to the CPCB by LPCC (Action: RFO & Head, Policy & Legal Division / Director, Medical & Health Services / Director & Member Secretary, LPCC / S&T, Kavaratti)
 7. Installation of Bio Toilets: The Director, Science & Technology reported that, 1648 bio digesters are installed in the Islands of Kavaratti, Andrott & Bitra. The feasibility study carried out by Centre for Water Resources Development & Management (CWRDM) recommended

the installation of bio digester in remaining Islands. The CWRDM summarised that the bio digester is a good option in Lakshadweep Island conditions and they are meeting the standards of CPCB. The Chairman directed the Department of Science & Technology to explore the possibility to install and commission bio toilets to all households in Islands. The SLAB also recommended training programme to the stakeholders to avoid chemical disinfectant in bio toilets, that is mandatory for the sustainable use of bio digester in Islands. **(Action: Director, S&T, Kavaratti)**


8. **Establishment of Septage Treatment Plant (STP):** The Department of Environment & Forest reported that, RFO, Policy & Legal visited Brahmapuram & Port Trust Septage Treatment Plant at Kochi, Kerala during June, 2019. The plant working in an area of 1600 Sq.m land with chemical disinfectant technology, which may be feasible in Island conditions. The Department identified an area of 6240 Sq.m land in the uninhabited portion of Kavaratti Island for the installation and commissioning of Septage Treatment Plant with Bio park development. The SLAB recommended to install 5 m³/day capacity STP plant. It is also recommended to use proven technology worked out at Brahmapuram and Port Trust STP in Kerala. **(Action: Secretary, E&F / SE, LPWD, Kavaratti)**
9. **Proposal of Model Island:** The Body directed the department to start capacity building training in all the above Islands for initiating activities as per the direction of the court. **(Action: RFO & Head, Environment Division / Director & Member Secretary, LPCC, S&T, Kavaratti)**
10. **Ban on Single Use Plastic in UTLA:** The Chairman directed the department to carry out strict enforcement under Plastic Ban through Island Level Committee chaired by Deputy Collector/Sub-Divisional Officer concerned. It is also directed to submit fortnightly report of the Action Taken by the committee to the Chairman SLAB, UTLA. **(Action: Conservator of Forest / STE Committee, E&F, Kavaratti)**
11. **Enforcement of Sanitation & Health in UTLA:** It is informed that, 38 nos. septic tanks/bio toilets have leakage reported in Kavaratti Island. The SLAB directed DMHS, to inspect the site and take remedial measures. **(Action: Director Medical Health & Service, Kavaratti)**
12. **Incinerator for Bio Medical Waste:** The Department of Environment & Forest reported that, the E-tender for Bio Medical Waste incinerator will be published in the website on 1st July 2019 and will be open on 22nd July 2019. The Department is procuring 10 nos. 10 Kgs bio medical incinerators and 2 nos. 25 Kg. municipal solid waste incinerator during the year 2019-20. The Chairman directed to complete tender process in time bound manner and the supply

order is to be issued on or before 31st July 2019 by observing codal formalities (Action: Conservator, E&F, Kavaratti /Director Medical Health & Service, Kavaratti)

13. Framing of Plastic Waste Bye-Law: The Department of Environment & Forest prepare and submit draft Plastic Waste Management Bye law 2019 as per the Plastic Waste Management Rule, 2016 within 20th August 2019. (Action: RFO & Head, Policy & Legal Division, Kavaratti)
14. Meeting of STF : The Chairman opined that the Special Task Force (STF) meeting may be conducted for effective monitoring of awareness and capacity building and enforcement of act and laws through state machineries (Action: RFO & Head, Policy & Legal Division, Kavaratti)

The meeting ended with thanks to the Chair.

This is issued with the approval of Chairman SLAB vide Diary No. 1822 dated 05.08.2019.


 12/07/19
 (दामोदर ए.टी.) आईएफएस
 (Damodhar A.T.) IFS
 वन संरक्षक
 Conservator of Forests

F.No.66/3/2018-E&F,

Dated 12.07.2019

To

1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The Hon'ble Secretary, Ministry of Environment, Forests & Climate Change New Delhi for his kind information, please.
2. The Chairman, Central Pollution Control Board, New Delhi for his kind information, please.
3. The PA to Advisor to Administrator, UTLA, Kavaratti for his kind information, please.

Minutes of Meeting of 5th State Level Advisory Body (SLAB) on Solid Waste Management held on 24.07.2019

The 5th State Level Advisory Body meeting was conducted under the Chairmanship of Shri Mihir Vardhan, IAS, Advisor to the Administrator & Chairman, SLAB, UTLA, Kavaratti. The members who attended the meeting are shown at **Annexure-I**.

The Range Forest Officer & Head, Policy & Legal Division, Department of Environment & Forests welcomed the Chairman and SLAB members. The officer made detailed presentation on status and implementation of Integrated Waste Management in respect of earlier meeting of 28.06.2019 and the achievements thereafter up to 22nd July, 2019.

After detailed discussion of agenda points and action taken report the Body have taken the following decisions.

1. **Door to Door collection and disposal of Solid Waste in Lakshadweep:** The Department of Environment & Forest have started Door to Door Collection of Solid waste at Kavaratti Island from 22nd July, 2019. Kavaratti has a total of 2418 houses in 12 wards of the Island. The department is presently collecting waste from 1570 houses out of 2418 houses with an average of 900 Kgs kitchen waste per day. The department informed that the compost pit in "Thumboor model of Alappuzha, Kerala" established at State Medicinal Garden is utilising to treat the kitchen waste at present. The Chairman directed to extend its activities to all houses at Kavaratti Island on or before 31st July, 2019. Also action may be initiated to start door to door collection of waste in the islands of Amini and Andrott on or before 31st December, 2019 (Action : RFO & Head, Environment Division, E&F, Kavaratti)
2. **Installation of Bio Gas plant:** The Chairman directed to explore the possibilities to set up Bio Gas plant at Central Garbage Depository in consultation with Lakshadweep Pollution Control Committee S&I to treat the kitchen waste generating from the household (Action : RFO & Head, Environment Division, E&F, Kavaratti).
3. **Installation of Composter and Shredder machine:** The department of Environment & Forest has ordered to purchase one electric composter and wood shredder machine. Considering the immediate requirement for the waste treatment and disposal and cost of about 2.lakhs, the SLAB recommended to purchase the composter machine through limited quotation from suppliers by the department. Also possibilities are explored to install and commission Plastic bottle shredding machine and coconut leaf shredder, considering the huge waste generation (Action : RFO & Head, Environment Division, E&F, Kavaratti)

T. J. J. J.

4. Training to Officials under Integrated Waste Management in Lakshadweep: The Director, S&T reported that the following training programme have been conducted for the Swachh workers/Health workers/officials etc. in Lakshadweep during July, 2019 under integrated waste Management in UTLA. The Kerala Pollution Control Board deputed their officials to conduct classes and to have interactive session in the training programme.

- a. Fundamental training to Solid and Plastic Waste Management Rule, 2016 conducted to 76 Swachh Workers at Kavaratti Island from 1st July to 4th July 2019. The Monitoring Committee Members and Officials from UTLA were the resource persons in the training programme.
- b. Training to officials under integrated waste at Kavaratti on 15.7.2019 by LPCC, UTLA
- c. Training to officials under integrated waste at Agatti on 15.07.2019 by LPCC, UTLA

It is further reported that the following training programme with the assistance of KPCB will be conducted in the island of Andrott, Amini and Minicoy during the month of July, 2019 is as below:

- a. Training to officials under integrated waste at Andrott on 25.07.2019 by LPCC, UTLA
- b. Training to officials under integrated waste at Kalpeni on 26.07.2019 by LPCC, UTLA
- c. Training to officials under integrated waste at Minicoy on 30.07.2019 by LPCC, UTLA

The Chairman directed the S&T/LPCC to carryout training programme in all remaining islands on or before 31st October, 2019 (Action: Member Secretary, LPCC & S&T, Kavaratti)

5. Fundamental Training/ Capacity Building to Swachh workers/Panchayat Raj institutions/Students in school: The Department of Environment & Forest reported that the following fundamental training/capacity Development/awareness activities are conducted to Swachh workers/Panchayat Raj Institutions/ school students at Kavaratti during July, 2019 under integrated waste management.

- a. Capacity Building programme conducted to Members, Village Dweep Panchayat, Kavaratti on 8th July, 2019.
- b. Information, Education and Communication programme under integrated waste conducted to Government Senior Secondary School (GSSS), Kavaratti on 18th July, 2019.
- c. Information, Education and Communication programme under integrated waste conducted to Brd Centre (100 students), Kavaratti on 23rd July, 2019.

The Chairman directed the department of Environment & Forest to carryout IEC/capacity building programme in all remaining schools in island on or before 31st October, 2019 (Action: RFO & Head, Environment Division, E&F, Kavaratti)



6. **Awarding services under Door to Door collection of Solid Waste:** The RFO & Head, P&L Division reported that Door to Door collection of solid waste is experimentally carried out through Karmachari's of the department with effect from 22nd July, 2019. The Household collection on daily basis has been successful. The Chairman, SLAB directed to explore the possibilities to award the service to NGO's/SHG's/experienced labourers or to engage more staff on contract basis for the work (Action: Conservator of Forest, E&F, Kavaratti)
7. **Installation of Municipal Solid waste Incinerator in Lakshadweep:** It is reported that, the 100 Kgs. incinerator meant to Minicoy islands reached the island from Bepore port, Kerala. The land earmarked for installation and commissioning of incinerator at Kavaratti is handed over to Ensys Technologies Private Limited, Chennai. It is expected to complete installation and commissioning of Kavaratti incinerator on or before 15th August, 2019. The Chairman, SLAB directed to complete all the 100 Kgs incinerator installation and commissioning on or before 31st October, 2019 (Action: Conservator, E&F, UTLA)
8. **Development of Website for Integrated Solid Waste Management:** The department prepared and submitted Detailed Project Report (DPR) for the development of website for Integrated Solid Waste Management and is under the active consideration of Monitoring Cell of Integrated waste Management in UTLA. The SLAB directed the department to submit the feasibility report of the Monitoring committee with recommendation to develop website on or before 15th August, 2019 (Action: RFO & Head, Policy & Legal Division / Website Coordinator, P&L, E&F, Kavaratti)
9. **Submission of Annual Report to CPCB:** The department of Environment & Forest submitted Annual Report for the year 2016-17, 2017-18 and 2018-19 under Plastic Waste Management to LPCC, UTLA. The department also submitted Annual Report 2018-19 under Solid Waste Management Rule, 2016 to LPCC, UTLA in form IV of the Rules. The Director, S&T and Member Secretary, LPCC shall ensure to update the same to CPCB on or before 31st July, 2019 (Action: Director & Member Secretary, LPCC / S&T, UTLA).
10. **Ban on Single Use Plastic in UTLA:** The department of Environment Forest conducted 1st State Level Monitoring Committee (SLMC) meeting under the chairmanship of Secretary, Environment & Forest, UTLA on 30th May, 2019. It is reported that the plastic carry bags sales and transport is totally under the control of Lakshadweep Administration on or after 4th SLAB meeting carried out on 28th June, 2019. The Island Level Committees under the Chairmanship of SDO/DC requested more time on capacity building in 13 single use plastic recently banned by the Administration. The Chairman, SLAB directed the department to implement the actionable points taken in SLMC meeting in time bound manner. Also directed the department

to prepare and supply leaflets and pamphlets with respect to 13 nos. single use plastic recently banned by Lakshadweep Administration in local language and circulate among general public for awareness creation and popularisation (Action: Conservator of Forest / Monitoring Committee, E&F, Kavaratti)


11. **Enforcement of Sanitation & Health in UTLA:** The SLAB directed DMHS/SE, LPWD to submit the Action Taken Report on 38 nos. septic tanks/bio toilets leakage reported in 4th SLAB meeting conducted on 28th June, 2019 (Action: Director Medical Health & Services/SE, LPWD, UTLA).
12. **Incinerator for Bio Medical Waste:** The department of Environment & Forest reported that the technical bid of E-tender could not be opened in the absence of Secretary, E&F & Chairman who is deputed for official meetings at New Delhi. The Chairman, SLAB directed to look after the tender process in time bound manner and issue supply order on or before 5th August, 2019 by observing codal formalities (Action: Conservator, E&F/ Director Medical Health & Service, UTLA).
13. **Land for Biomedical Waste Management:** The Director, DMHS reported that the department require land for Bio medical incinerator's installation in all ten inhabited islands. The land should be away from inhabited area. The department in the past had experienced that the local people are complaining and protested against installation of Bio medical Incinerator near Hospital premises. The Chairman, SLAB directed department of Environment & Forest to constitute a committee under the chairmanship of Deputy Collector (HQ), UTLA, Kavaratti to assess the suitability of land area in each island for the installation of Bio medical incinerator. The SE, LPWD, the Director, DMHS, Director, S&T and RFO (P&L) will be the members in the committee. The Nodal Officer, Public Health will be the Member Secretary in the aforesaid committee. The Committee should submit its finding to the SLAB on or before 31st August, 2019 (Action: RFO & Head, Policy & Legal Division).
14. **Meeting of STF:** The Department of Environment & Forest informed that the First Special Task Force Meeting (STF) conducted under the chairmanship of Additional District Magistrate, UTLA on 23rd July, 2019. The Chairman SLAB directed to implement actionable point through concerned nodal departments, immediately (Action: RFO & Head, Policy & Legal Division, Kavaratti).
15. **Action Plan on Refused Derived Fuel:** The Chairman, SLAB directed Executive Engineer, Electricity to submit a timeline Action Plan regarding the Refused derived fuel from the electricity generators immediately (Action: EE, Electricity, UTLA).



16. Publication of NGT order in Local Language: The Chairman, SLAB directed the Chief Executive Officer, District Panchayat to translate the Hon'ble NGT order in OA No.606/2016 dated 14th May, 2019 in Malayalam and circulate among public for information, immediately (Action: Conservator, E&F/CEO, DP, UTLA)
17. Ranking based performance and Rewards: The Chairman, SLAB directed the nodal department to implement ranking based performance & Rewards among 10 Village Dweep Panchayat in Lakshadweep as per the Hon'ble NGT order in para 11 of the Judgement dated 14th May, 2019. The reward shall be presented on 2nd October, every year. The terms and conditions for selecting the panchayat's and the award price money is shown in the 3rd minutes of meeting dated 30th May, 2019 (Action: Conservator, E&F, UTLA).

The meeting ended with thanks to the Chair.

This is issued with the approval of Competent Authority.


 (दामोदर ए.टी.) आईएफएस
 (Damodhar A.T.) IFS
 वन संरक्षक
 Conservator of Forests

F.No.66/3/2018-E&F, Dated 31.07.2019

To

1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The Hon'ble Secretary, Ministry of Environment, Forests & Climate Change New Delhi for his kind information, please.
2. The Chairman, Central Pollution Control Board, New Delhi for his kind information, please.
3. The PA to Advisor to Administrator, UTLA, Kavaratti for his kind information, please.

Annexure-1

Dignitaries / Officials attended in the 5th State level Advisory Body meeting
(SLAB) on implementation of Solid Waste Management Rule, 2016 in the Union
Territory of Lakshadweep on 24th July 2019

SL.NO.	NAME AND DESIGNATION	SIGNATURE
1	Shri. Mihir Vaidya, IAS, Chairman	sdl-
2	Dr. Abbas Vee	Dr. Abbas
3	Dr. Sankar Das D/IS & J3 (H/M)	Dr. Sankar Das
4	Dr. Subila T. Hossain, Specialist (Public Health) and NO (B.M.C.M), D.H.C.	Dr. Subila
5	Dr. Idrees Babu, Member Secretary LPCC	Dr. Idrees Babu
6	T. Abdul Khader, Chairperson K.M.	T. Abdul Khader
7	Mishkin, A.I, Scientist, DST, U.S.L	Mishkin
8	Mishkin, A.I, Scientist, DST, U.S.L	Mishkin
9	C.N. Shajahan, SB LPWD	C.N. Shajahan
10	A.C. Abdul Jabbar RFO (PH)	A.C. Abdul Jabbar
11	Raouf, M.K. (L.A)	Raouf
12	Dr. Hidayathulla, Remy (consultant)	Dr. Hidayathulla
13	Khalid Ahamad N.M (L.A)	Khalid Ahamad
14	Rasena Begum E.H.M (L.A)	Rasena Begum

15	RODRIGUEZ (SICATO)	24/12/19
16	Amara Begum C P., JR. Consultant (PSS)	24/12/19
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Annexure R4A) Training imparted to officials/workers under Integrated Waste Management Rule, 2016.

Sl. No.	Name of Training	State Holders	Date Conducted	Resource Persons
1	Fundamental Training under Solid and Plastic Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisors at Kavaratti Island	1 st to 4 th July 2019	Monitoring Committee under Advisor to Administrator, UTLA
2	Training under Integrated Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisor/nursing staff/monitoring Committee etc. at Kavaratti Island	15 th July, 2019	Kerala Pollution Control Board
3	Training under Integrated Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisor/nursing staff/monitoring Committee etc. at Agatti Island	15 th July, 2019	Kerala Pollution Control Board
4	Training under Integrated Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisor/nursing staff/monitoring Committee etc. at Andrott Island	25 th July 2019	Kerala Pollution Control Board
5	Training under Integrated Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisor/nursing staff/monitoring Committee etc. at Kalpeni Island	26 th July 2019	Kerala Pollution Control Board
6	Training under Integrated Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisor/nursing staff/monitoring Committee etc. at Minicoy Island	30 th July 2019	Kerala Pollution Control Board

B) Capacity building/IEC to students/ Panchayat Raj institutions
Under Integrated Waste Management Rule, 2016.

Sl. No.	IEC program conducted	Stake holders	No of Participants attended (in Nos.)	Date	Resource Persons
1	Panchayati Raj Institutions	Village Dweep Panchayat, Kavaratti	25	8 th July 2019	Monitoring Committee under Advisor to Administrator, UTLA
2	IEC to School students	Govt. Senior Secondary School, Kavaratti	60	18 th July 2019	Monitoring Committee under Advisor to Administrator, UTLA
3	State Level Capacity Building	B.Ed. Students under University of Calicut	100	23 rd July 2019	Monitoring Committee under Advisor to Administrator, UTLA

31/3/2019
A.C. ABDUL JABBAR
Range Forest Officer (P&L)

Annexure R5Implementation of Solid Waste Management Rule 2016 (Rule 22 of SWM, Rule 2016)

Sl. No.	Activity	Status
1	Identification of suitable sites for setting up solid waste processing facilities	Suitable sites have identified for Central Garbage Depository and incineration facilities.
2	Identification of suitable sites for setting up common regional sanitary landfill facilities for suitable clusters of local authorities under 0.5 million population and for setting up common regional sanitary landfill facilities or standalone sanitary landfill facilities by all local authorities having a population of 0.5 million or more.	Lakshadweep do not have landfill site.
3	Procurement of suitable sites for setting up solid waste processing facility and sanitary landfill facilities	10 Material Recovery Facility (MRF) is working in all inhabited Island in Lakshadweep. No landfill site is available.
4	Enforcing waste generators to practice segregation of bio degradable, recyclable, combustible, sanitary waste domestic hazardous and inert solid wastes at source	4686 Community bins are placed for the collection of non-biodegradable waste from all Islands. The segregated domestic hazardous waste from all households is collected once in a week. Facilities are available for treatment of non-biodegradable and biodegradable waste. Facilities are also made to store domestic hazardous waste in CGD of all Islands. Inert solid waste is utilizing for base filling in domestic house construction.
5	Ensure door to door collection of segregated waste and its transportation in covered vehicles to processing or disposal facilities	Door to door collection of biodegradable wastes has started with effect from 22 nd July 2019. Covered vehicle is used.

6	Ensure separate storage, collection and transportation of construction and demolition wastes	It is under implementation
7	Setting up solid waste processing facilities by all local bodies having 100000 or more population	Not applicable
8	Setting up solid waste processing facilities by local bodies and census towns below 100000 population	The Department of Environment & Forest is implementing the Rules and solid waste processing facilities viz. compost plant, biogas plant, by commissioning new incinerators in all the Islands. The recyclable materials are transporting to mainland for its recycle and reuse, continuously.
9	Setting up common or stand alone sanitary landfills by or for all local bodies having 0.5 million or more population for the disposal of only such residual wastes from the processing facilities as well as untreatable inert wastes as permitted under the Rules	No landfill site is available in Lakshadweep
10	Setting up common or regional sanitary landfills by all local bodies and census towns under 0.5 million population for the disposal or permitted waste under the rules	Not applicable
11	Bio-remediation or capping of old and abandoned dump sites	Not applicable

(A.C. Abdul Jabbar)
RFO & Head (P&I)

Annexure R6



भारत सरकार / GOVT. OF INDIA
 लक्षद्वीप प्रशासन / LAKSHADWEEP ADMINISTRATION
 (पर्यावरण एवं वन विभाग) / (Department of Environment & Forest)
 नीति और कानूनी प्रभाग / POLICY & LEGAL DIVISION
 कवारत्ती द्वीप / Kavaratti Island - 682555
 E-mail: lak-def@nic.in and lk-efpolicy@gov.in, Ph : 04896 262598

F.No.110/12/2019 - ई एंड एफ (P&L)

दिनांक: 30.06.2019

To

The Member Secretary,
 Lakshadweep Pollution Control Committee,
 Department of Science & Technology,
 UTLA, Kavaratti.

Sub: - E&F- Annual Report on Solid Waste Management at Lakshadweep in
 compliance to the Solid Waste Management Rule 2016 - Reg;

Sir,

In compliance to the Solid Waste Management Rule 2016 in UT of Lakshadweep. The department of Environment & Forest is prepared and submitted the annual report in Form- IV on Solid Waste Management in Lakshadweep in the year 2018-19 as per the Subsection (2) of Section 24 Annual Reports under the Rule.

This is issued with the approval of Secretary, Environment & Forest vide Diary No. 1914 Dated 30.06.2019.

Yours faithfully

Encl: Form- IV

(A. C. Abdul Jabbar)
 RFO & Head (P&L)

Copy to :

- 1) The Member Secretary, Central Pollution Control Board, Ministry of Environment, Forest & Climate Change, Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032

30/7/19
 RFO

Form - IV

[See rules 15(za), 24(2)]

**FORMAT FOR ANNUAL REPORT ON SOLID WASTE MANAGEMENT TO BE
SUBMITTED BY THE LOCAL BODY**

CALENDAR YEAR:	DATE OF SUBMISSION OF REPORT:
2018-19	30.06.2019

1	Name of the City/Town and State	Kavaratti, UT of Lakshadweep.
2	Population	64,429 as per 2011 census.
3	Area in sq. Kilometers	32 Sq. Km.
4	Name & Address of local body Telephone No. Fax No. E-mail:	Dept. of Environment & Forest, Kavaratti 04896 262592, 04896 262598 Lak-ef@nic.in , lk-efpolicy@gov.in
5	Name of officer in-charge dealing with solid waste management (SOLID WASTE) Phone No. Fax No. E-mail:	Range Forest Officer & Head, Environment Division, UT. Of Lakshadweep, Kavaratti. 04896 262896 Lk-efpolicy@gov.in
6	Number of households in the city/town Number of non-residential premises in the city Number of election/ administrative wards in the city/town	11847 Nil 85 nos.
7	Quantity of Solid waste (solid waste)	18/tpd
	Estimated Quantity of solid waste generated in the local body area per day in metric tones	35/tpd
	Quantity of solid waste collected per day	18 /tpd
	Per capita waste collected per day /gm/day	0.245 /gm/day
	Quantity of solid waste processed	18/tpd
	Quantity of solid waste disposed at dumpsite/ landfill	Nil
8	Status of Solid Waste Management service	Under Municipal Solid Waste Management all 10 inhabited Islands is producing estimated 35/tpd waste in which 15.8/tpd is kitchen waste and 2.2 is street sweeping. The rest of the 17/tpd solid waste is coconut bi-product which scattered all over the Islands is managing naturally at present.

Segregation and storage of waste at source	
Whether SOLID WASTE is stored at source in domestic/commercial/institutional bins. If yes,	Yes.
Percentage of households practice storage of waste at source in domestic bins	20.41%
Percentage of non-residential premises practice storage of waste at source in commercial/institutional bins	40.95%
Percentage of households dispose or throw solid waste on the streets	Nil
Percentage of non-residential premises dispose or throw solid waste on the streets	Nil
Whether solid waste is stored at source in a segregated form, If yes,	Yes
Percentage of premises segregating the waste at source	20.41%
Door to Door Collection of solid waste	
Whether door to door collection (D2D) of solid waste is being done in the city/town	Yes
if yes	The Department of Environment & Forest started collection of door to door waste at Kavaratti Islands from 22 nd July 2019. A total of 2418 houses is participated in the scheme. Whereas in other 9 inhabited Island, the department made provision to manage their kitchen waste in their own backyards by providing compose pit/biogas plant/bucket compost etc. It is propose to start door to door collect kitchen waste from all inhabited Islands (9 Island) from 1 st week of October 2019.
Number of wards covered in D2D collection of waste	12 wards
No. of households covered	2418
No. of non-residential premises including commercial establishments, hotels, restaurants educational institutions/offices etc covered	104 nos.

AL 4

Percentage of residential and non-residential premises covered in door to door collection through:					
Motorized vehicle	Nil				
Containerized tricycle/handcart	100%				
Other device	Nil				
If not, method of primary collection adopted	Not applicable				
Sweeping of streets	Yes				
Length of roads, streets, lanes, bye-lanes in the city that need to be cleaned	185 km				
Frequency of street sweepings and percentage of population covered	frequency	Daily	Alternate days	Twice a week	Occasionally
	% of population covered	Daily 100%			
Tools used	Rake, Broom, Manvetti, Pikkas, knife etc.				
Manual sweeping	100%				
Mechanical sweeping	Nil				
Whether long handle broom used by sanitation workers	Yes				
Whether each sanitation worker is given handcart/tricycle for collection of waste	No, the department is collecting the sweeping waste through four wheeler to the yard, every day.				
Whether handcart / tricycle is containerized	Not applicable.				
Whether the collection tool synchronizes with collection/ waste storage containers utilized	Yes				
Secondary Waste Storage facilities	No, each Island have maximum of 4 Sq m in area and only one Central Garbage Depository is maintaining for solid waste management. Considering the transportation difficulties, the UTLA is under process to setup intermediate depository area in each ward for the segregation and treatment of biodegradable waste				
No. and type of waste storage depots in the city/town	No. 10 Capacity in m ³ : 18600 m ³				
Open waste storage sites	Nil				
Masonry bins	Nil				
Cement concrete cylinder bins	120				
Dhalao/covered rooms/space	Nil				
Covered metal/plastic containers	Nil				
Up to 1.1 m ³ bins	Nil				
2 to 5 m ³ bins	Nil				

Above 5m3 containers	Nil	
Bin-less city	Yes, in addition to 120 concrete bins, the department provided 2418 blue and green bins to each households of Kavaratti Island to get the segregated biodegradable and non-biodegradable waste from each households. The 120 concrete bins is maintaining for the collection of municipal solid waste from the emigrant and immigrant people visiting in these islands. In addition the department is underway to place 35 nos. 200 litter capacity bins to collect napkins from Kavaratti Island.	
Bin/ population ratio	2418/11847. 2 bins each with capacity 10/kg to each households in Lakshadweep and the programme will be completed 31 st December 2019.	
Ward wise details of waste storage depots (attach) :		
Ward No:	1-85	
Area:	32 Sq.Km	
Population:	64429	
No. of bins placed	4991	
Total volume of bins placed	53610 m3	
Total storage capacity of waste storage facilities in cubic meters	18600 m3	
Total waste actually stored at the waste storage depots daily	2940 Kgs.	
Give frequency of collection of waste from the depots	Frequency	No. of bins
Number of bins cleared		
	Daily	4836
	Alternate day	Nil
	Twice a week	35
	Once a week	120
	Occasionally	Nil
Whether storage depots have facility for storage of segregated waste in green, blue and black bins	Yes. The department provided blue and green bins for the collections of non-biodegradable and bio degradable from each households at Kavaratti. Whereas the department separately made provisions to collect domestic hazardous waste once in a week by providing transportation facility to stakeholders.	
Whether lifting of solid waste from storage depots is manual or mechanical. Give percentage (%) of Manual Lifting of solid waste (%) of Mechanical lifting	Manual 1000% Nil	
If mechanical – specify the method used	Not applicable	
Whether solid waste is lifted from door to door and	Yes. At present the department is collecting door to door from 2418 houses daily. The segregated biodegradable waste directly sending to the compost	

	transported to treatment plant directly in a segregated form	plant and the non-biodegradable waste is transporting to the Central Garbage Depository/MRF centre.
	Waste transportation per day Type and Number of vehicles used	18 nos. of 3 wheeler and 2 nos. of 4 wheelers is using for waste transportation at present.
	Animal cart Tractors Non tipping Truck Tipping Truck Dumper Placers Refuse collectors Compactors Others JCB/loader	Non tipping Truck-18 nos. Tipping Truck = 2 nos.
	Frequency of transportation of waste	Daily
	Quantity of waste transported each day	18 /tpd – biodegradable waste
	Percentage of total waste transported daily	51.43%
	Waste Treatment Technologies used	1. Thumboor model bio composting 2. Bio Gas Plant 3. Bucket Compost
	Whether solid waste is processed	Yes
	If yes, Quantity of waste processed daily	18/tpd
	Whether treatment is done by local body or through an agency	Local body
	Land(s) available with the local body for waste processing (in Hectares)	Yes
	Land currently utilized for waste processing	6240 Sq.m
	Solid waste processing facilities in operation	1. Thumboor model compost pit 2. Bio Gas Plant 3. Electric compost machine is ordered to supply
	Solid waste processing facilities under construction	Facilities are started at Kavaratti. Require to be extended in all other inhabited Island in phased manner.
	Distance of processing facilities from city/town boundary	3.5 Km.
	Details of technologies adopted	The department made compost pit as Thumboor model of Alappuzha, Kerala as per the monitoring committee recommendation. Presently collecting from 2418 households at Kavaratti. Mainly kitchen wastes are composting. Total quantity is 1.350 Kgs/day. In other Islands, the sweeping biodegradable waste is composting through the same

		technology and approximately 16.65/tpd is receiving/day.
	Composting .	The house to house collection started from 22 nd July 2019. The final product will be only available after 2 months.
	Vermi composting	Not applicable at present
	Bio-methanation	Not applicable at present
	Refuse Derived Fuel	The Electricity Department is producing refuse derived fuel in Islands. The department instructed to submit timeline action plan of the work to be submitted to CPCB/Hon'ble NGT
	Waste to Energy technology such as incineration, gasification, pyrolysis or any other technology (give detail)	Not applicable
	Co-processing	Not applicable
	Combustible waste supplied to cement plant Combustible waste supplied to solid waste based power plants	No cement factory is available in Islands and is not applicable
	Others	Nil
	Solid waste disposal facilities	A total of 10 Panchayats is in Lakshadweep. The compost can be viably utilized for vegetable cultivation developed by the Panchayat Raj Institutions.
	No. of dumpsites sites available with the local body	Nil
	No. of sanitary landfill sites available with the local body	Nil
	Area of each such sites available for waste disposal	Nil
	Area of land currently used for waste disposal	Nil. The department have only MRF area with 19020 Sq.m in all Islnds
	Distance of dumpsite/landfill facility from city/town	Nil
	Distance from the nearest habitation	Nil
	Distance from water body	Nil
	Distance from state/national highway	Nil
	Distance from Airport	Nil
	Distance from important religious places or historical monument	Nil
	Whether it falls in flood prone area	Not applicable
	Whether it falls in earthquake fault line area	Not applicable
	Quantity of waste landfilled each day	Not applicable

	Whether landfill site is fenced	Not applicable
	Whether Lighting facility is available on site	Not applicable
	Whether Weigh bridge facility available	Not applicable
	Vehicles and equipments used at landfill (specify)	Not applicable
	Manpower deployed at landfill site	Not applicable
	Whether covering is done on daily basis	Not applicable
	If not, Frequency of covering the waste deposited at the landfill	Not applicable
	Cover material used	Not applicable
	Whether adequate covering material is available	Not applicable
	Provisions for gas venting provided	Not applicable
	Provision for leachate collection	able
9	Whether an Action Plan has been prepared for improving solid waste management practices in the city	Yes. Action Plan on Swachh Lakshadweep Abhiyan is endorsed during the year 2014 and tenure period is from 2014-2019. Restructuring of Action Plan is under process.
10	What separate provisions are made for : Dairy related activities : Slaughter houses waste : C&D waste (construction debris) :	Attach details on Proposals, Steps taken. Nil Nil Yes. All the Construction & demolition waste generated from site is fully utilizing for baseline filling of new domestic houses, considering the shortage of construction material in remote Islands.
11	Details of Post Closure Plan	Nil
12	How many slums are identified and whether these are provided with Solid Waste Management facilities ?	No. No slums are present in Lakshadweep
13	Give details of: Local body's own manpower deployed for collection including street sweeping, secondary storage, transportation, processing and disposal of waste	Total 455 Swachh workers are appointed under contract basis. Out of which 9 are Supervisors, 56 are Assessors and 390 are Karamcharis. In addition 27 Swachh Dhoot Volunteers appointed under Swachh Survekshan for the monitoring of the Swachh Lakshadweep Abhiyan in Islands.
14	Give details of: Contractor/ concessionaire's manpower deployed for collection including street sweeping, secondary storage, transportation, processing and disposal of waste	Not applicable

15	Mention briefly, the difficulties being experienced by the local body in complying with provisions of these rules	A total of 11 lakh coconut is present in 10 inhabited Islands. The bi-product of coconut became waste and destroying the aesthetical beauty of the nature. The department do not have sufficient infrastructure, manpower and processing technology to deal with the situations.
16	Mention briefly, if any innovative idea is implemented to tackle a problem related to solid waste, which could be replicated by other local bodies	The Islands are geographically isolated and 400 km away from nearest mainland port. The waste management activities started in the island during the year 1996. Till 2012, all the non-biodegradable waste are dumping in the site under management practices. Whereas under Swachh Lakshadweep Action plan has been initiated UTLA, all the dumped waste are segregated, the reuse and recyclable materials are started to transport Kochi for further process. Now all the MRF area become free from waste dumping except Kavaratti. Only 56 tonnes of cement bags is available in the MRF area that will be incinerated once the incinerator installed in Island.

This is issued with the approval of Secretary, Environment & Forest vide Diary No 1914 Dated 30.06.2019.

AL
30/6/2019
(A.C. Abdul Jabbar)
RFO & Head
Environment Division

Date: 30.06.2019
Place : Kavaratti

<https://email.gov.in/printmessage?id=1277981>

lk-dst@nic.in

Annual Report of Soild Waste 2018

From : Director, S&T <lk-dst@nic.in> Wed, Jul 31, 2019 01:21 PM
Subject : Annual Report of Soild Waste 2018 1 attachment
To : Member Secretary, CPCB <mscb.cpcb@nic.in>,
 cpcbszo <cpcbszo@yahoo.com>

External images are not displayed. [Display images below](#)

Sir,

Kindly see the attachment regarding the Annual report of Solid Waste Management of UT of Lakshadweep

Regards,

Member Secretary, LPCC & Director
 Department of Science & Technology
 U.T of Lakshadweep
 Kavaratti

बेटी बचाओ, बेटी पढ़ाओ:

Annual Report 2018.PDF
 117 KB

File No.LD-03002/1/2017-LPCC-UT-LKS



भारत सरकार / GOVT. OF INDIA

लक्षद्वीप प्रशासन / LAKSHADWEEP ADMINISTRATION
लक्षद्वीप प्रदूषण नियंत्रण समिति / LAKSHADWEEP POLLUTION CONTROL COMMITTEE
विज्ञान एवं प्रौद्योगिकी विभाग / DEPARTMENT OF SCIENCE & TECHNOLOGY
कवरत्ती द्वीप 682 555 / KAVARATTI ISLAND -682 555

File No: LD-03002/1/2017-LPCC-UT-LKS

Dated: 31.07.2019

सेवा में/To

The Chairman
Central Pollution Control Board
East Arjun Nagar
Delhi-110032

विषय /Sub: - Furnishing of Annual report regarding compliance of Solid Wastes
Management Rules, 2016- Reg.

श्रीमान/Sir,

The annual report in respect of this Union Territory of Lakshadweep in the prescribed forms are duly filled and furnished for the year 2018 for further action.

Please acknowledge the receipt.

Yours faithfully

Encl:A/A

(P. POOKOYA)

Member Secretary, LPCC

Copy to:-

1. The Joint Secretary, CP Divisions, Ministry of Environment, Forest and Climate Change, Indra Paryavaran Bhawan, Jorbhag Road, New Delhi-110003
2. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar Delhi-110032.

File No.LD-03002/1/2017-LPCC-UT-LKS

Form - V

[See rule 24(3)]

Format of annual report to be submitted by the State Pollution Control Board or
Pollution Control Committees to the Central Pollution Control Board

PART A

To

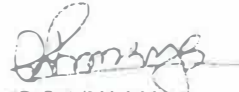
The Chairman
Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar
DELHI- 110 0032

Annual Report 2017-18

1	Name of the State/Union territory	Lakshadweep
2	Name & address of the State Pollution Control	Lakshadweep Pollution Control Committee
3	Number of local bodies responsible for management of solid waste in the State/Union territory under these rules	1
4	No. of authorization application Received	NIL
5	A Summary Statement on progress made by local body in respect of solid waste management	Attached as Annexure-I
6	A Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal	Attached as Annexure-II
7	A summary statement on progress made by local bodies in respect of implementation of Schedule II	Please attach as Annexure III NA

Date: 31.07.2019

Place: Kavaratti


(P. POOKOYAL)
Member Secretary, LPCC

File No.LD-03002/1/2017-LPCC-UT-LKS

PART B

Towns/cities

Total number of towns/cities	:10
Total number of ULBs	:Nil
Number of class I & class II cities/towns	:Nil
Authorization status (names/number)	
Number of applications received	:Nil
Number of authorizations granted	:Nil
Authorizations under scrutiny	:Nil

SOLID WASTE Generation status

Solid waste generation in the state (TPD)	:18
Collected	} 18
Treated	
Landfilled	: Nil

Compliance to Schedule I of SW Rules (Number/names of towns/capacity)

Good practices in cities/towns	: 10
House-to-house collection	: 4991 (for collection of non – biodegradable waste) for all islands
Segregation	: 375 Casual Laboures
Storage	: 9 Central Garbage Depository site
Covered transportation	: 18 Nos of three wheeler and 2 Nos of four wheeler is using for waste transportation

Processing of SW (Number/names of towns/capacity)

File No.LD-03002/1/2017-LPCC-UT-LKS

Solid Waste processing facilities setup:

Sl. No.	Composting	Vermi composting	Biogas	RDF/Pelletization
1			Total 32 nos. (3 nos , 1 2m ³ and 2 1m ³ at Minicoy island and 29 nos., 2 nos 2m ³ and 27 1m ³ at Kalpeni island	

Processing facility operational: Nil

Sl. No.	Composting	Vermi composting	Biogas	RDF/Pelletization
			Total 27 nos. (3 nos , 1 2m ³ and 2 1m ³ at Minicoy island and 24 nos., 2 nos 2m ³ and 22 1m ³ at Kalpeni island	

Processing facility under installation/planned:

Sl. No.	Composting	Vermi composting	Biogas	RDF/Pelletization
1	Thumboor model bio composting	Nil	Biogas plant Approximately 7000	Nil
2	Bucket compost			

Waste-to-Energy Plants: (Number/names of towns/capacity): Nil

Sl. No.	Plant Location	Status of operation	Power generation (MW)	Remarks

Disposal of solid waste (number/names of towns/capacity):

Landfill sites identified	: Nil
Landfill constructed	: Nil
Landfill under construction	: Nil
Landfill in operation	: Nil

File No.LD-03002/1/2017-LPCC-UT-LKS

Landfill exhausted : Nil

Landfilled capped : Nil

Solid Waste Dumpsites (number/names of towns/capacity):

Total number of existing dumpsites : 9

Dumpsites reclaimed/capped : Nil

Dumpsites converted to sanitary landfill : Nil

Monitoring at Waste processing/Landfills sites: Nil

Sl. No.	Name of facilities	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs

Status of Action Plan prepared by Municipalities

Total number of municipalities : 1

Number of Action Plan submitted : 1

File No.LD-03002/1/2017-LPCC-UT-LKS

Annexure I

Lakshadweep is a group of 36 coral Islands and islets randomly scattered in the Arabian Sea at a distance of about 287 to 483 Km off the west coast of Kerala. These Islands are geographically isolated from mainland as well as from each other. Total land area of Lakshadweep is 32 Sq.Km. It has a lagoon area of 4200 Sq.Km, Territorial water of around 20,000 Sq.Km and has 0.4 million Ecologically Economic zone. Out of 36 Islands, only 10 Islands are inhabited.

The Smallest and the largest among the Islands are 0.1 Sq.Km and 5 Sq.Km in area. Kavaratti is only considered as urban in nature. All other nine inhabited Islands are categorized as "Rural" and the population in these Islands is in between 252 to 11000. The total population of the Islands is 64,429 as per 2011 census. The UT Administration has two Government Hospitals, three Community Health Centers, 5 Primary Health Centres and two First Aid Centers with a total bed strength of 200 over the 10 Islands.

In the peculiar circumstances prevailing in the Union Territory of Lakshadweep, the task of solid waste management is fully under the supervision and control of the Department of Environment and Forests U.T of Lakshadweep. Since the task of municipal waste management is not delegated to the local authorities, The Department of Environment and Forest are the implementing authorities for all of the duties specified in Rules 11 and 15 of the SWM Rules, 2016.

Under the Municipal Solid Waste Management all 10 inhabited Islands is producing estimated 35/tpd waste in which 15.8/tpd is kitchen waste and 2.2 is street sweeping. The rest of the 17/tpd solid waste is coconut bi-product which scattered all over the Islands is managing naturally at present.

File No.LD-03002/1/2017-LPCC-UT-LKS

Annexure II

A total of 85 wards are present in 10 Village Dweep Panchayats. 44 Waste Assessment Workers and 330 sweepers are working under the Scheme 'Sanitation, Health and Hygiene'. The scheme is implemented through the casual labourers sponsored by the respective Village Dweep Panchayats and would be under the supervision of the office of Department of Environment & Forest of the concerned Island. The islands are scattered from one another and no land fill is existing in any of the islands. Regarding stipulations under various sub clauses of Rule 11 regarding recognition and empowerment of waste pickers, it is respectfully submitted that, the UTLA do not have organized or informal sector of waste collectors, waste pickers in any of the Islands in Lakshadweep.

Form - V

[See rules 17(2)]

**FORMAT FOR ANNUAL REPORT ON PLASTIC WASTE MANAGEMENT TO BE
SUBMITTED BY THE LOCAL BODY**

Period of Reporting: 2016-17

(1)	Name of the City or Town and State:	Union Territory of Lakshadweep
(2)	Population	64429 as per 2011 census
(3)	Area in sq. kilometres	32 Sq Km
(4)	Name & Address of Local body Telephone No. Fax No. E-mail:	Department of Environment & Forest, UT of Lakshadweep Administration, Kavaratti 0489 626 2598, 0489 626 2592 Email: de-f@lakshadweep.gov.in & de-f@nic.in
(5)	Total Numbers of the wards in the area under jurisdiction	85 wards
(6)	Total Numbers of Households in the area under jurisdiction	11847
(7)	Number of households covered by door to door collection	11847
(8)	Total number of commercial establishments and institutions in the area under jurisdiction - Commercial establishments - Institutions	254 (Shops & Govt. Institutions)
(9)	Number of commercial establishments and institutions covered by door to door collection - Commercial establishments - Institutions	254
(10)	Summary of the mechanisms put in place for management of plastic waste in the area under jurisdiction along with the details of agencies involved in door to door collection	The department placed a total of 3417 community waste bins in all 10 inhabited Island.
(11)	Attach details of infrastructure put in place for management of plastic waste generated in the area under jurisdiction	MSW incinerator will be install shortly in all the islands
(12)	Attach details of infrastructure required, if any along with justification	Yes
(13)	Quantity of Plastic Waste generated during the year from area under jurisdiction (in tons)	136.00 M/T
(14)	Quantity of Plastic Waste collected during the year from area under jurisdiction (in tons)	136.00 M/T
(15)	Quantity of plastic waste channelized for recycling during the year (in tons)	Nil
(16)	Quantity of plastic waste channelized for use during the year (in tons)	The UT of Lakshadweep have no Recycling Unit. The recyclable materials are transported to Kochi for recycling
(17)	Quantity of inert or rejects sent to landfill sites during the year (in tons)	The UT of Lakshadweep have no landfill sites. The rejected material (inert waste) used for base filling in

		construction work, which is acute shortage in Island.
(18)	<p>Details of each of facilities used for processing and disposal of plastic waste Facility-I</p> <p>i) Name of operator</p> <p>ii) Address with Telephone Number or Mobile</p> <p>iii) Capacity</p> <p>iv) Technology Used</p> <p>v) Registration Number</p> <p>vi) Validity of Registration (up to)</p>	<p>The old incinerator in all 10 Island is not working. The supply order is given to Municipal Solid Waste Management incineration with a capacity of 100 kg, 50 kg and 25 Kg. is respectively. 5 nos 100 Kg incinerator already reached in the Island of Kavaratti, Amini, Andrott, Minicoy and Agatti. And the installation and commission of incinerator is in progress. It is expected to reach 50 Kg. and 25 Kg incinerator within a month period.</p> <p>At present the department have incineration facility for processing the waste. That will not be fully installed now. But the installation process is going on in all the islands.</p> <p>Department of Environment & Forest, UT of Lakshadweep</p> <p>0489 626 2598, 0489 626 2592</p> <p>100 Kg/per hr and 50 Kg/ per hr</p> <p>Incineration without energy</p> <p>Under installation</p> <p>Under installation</p>
	Facility-II i) Name of operator ii) Address with Telephone Number or Mobile iii) Capacity iv) Technology Used v) Registration Number Validity of Registration (up to)	Nil
(19)	Give details of Local body's own manpower deployed for collection including street sweeping, secondary storage, transportation, processing and disposal of waste.	<p>The department of Environment & Forest is only as the Nodal agency to look after the collection including street sweeping, secondary storage, transportation, processing and disposal of waste at Lakshadweep with the entire support of 375 casual labourers provided by the Village Dweep Panchayat in all the islands.</p> <p>The department is in the final stage for contractual appointment of 455 Safai Karamcharis for deploying the management of waste at Lakshadweep</p>
(20)	Give details of Contractor or concessionaire's manpower deployed for collection including street sweeping, secondary storage, transportation, processing and disposal of waste.	Nil
(21)	Mention briefly, the difficulties being experienced by the local body in complying	The Geographical Isolation, Plastic reaching through waves and currents.

	with provisions of these rules including the financial constraints, if any	cement bags for construction, huge volume of coconut bi-product etc. generated in Islands are the main difficulties experience by the local body. The appropriate technologies is the main hurdles to tackle the problems. The Union Territory do not have a cement factories and waste to energy plants is not viable and eco-friendly in Island condition. A total of 5 crore earmarked for Integrated Waste in UTLA.
(22)	Whether an Action Plan has been prepared for improving solid waste management practices in the city? If yes (attach copy) Date of revision:	Yes. Restructuring of action plan is under process (copy of Lakshadweep Abhiyan is attached)

This is issued with the approval of Secretary, Environment & Forest vide Diary No. 1864(A) Dated 17.07.2019.

(A.C. Abdul Jabbar)
RFO & Head (Envr.)

Date: 17.07.2019
Place: Kavaratti

Form - V
[See rules 17(2)]

**FORMAT FOR ANNUAL REPORT ON PLASTIC WASTE MANAGEMENT TO BE
SUBMITTED BY THE LOCAL BODY**

Period of Reporting: 2017-18

(1)	Name of the City or Town and State:	Union Territory of Lakshadweep
(2)	Population	64429 as per 2011 census
(3)	Area in sq. kilometres	32 Sq Km
(4)	Name & Address of Local body Telephone No. Fax No. E-mail:	Department of Environment & Forest, UT of Lakshadweep Administration, Kavaratti 0489 626 2598, 0489 626 2592 Email: lk_efpolicy@gov.in & lak-dcf@nic.in
(5)	Total Numbers of the wards in the area under jurisdiction	85 wards
(6)	Total Numbers of Households in the area under jurisdiction	11847
(7)	Number of households covered by door to door collection	11847
(8)	Total number of commercial establishments and Institutions in the area under jurisdiction - Commercial establishments - Institutions	254 (Shops & Govt. Institutions)
(9)	Number of commercial establishments and Institutions covered by door to door collection -Commercial establishments - Institutions	254
(10)	Summary of the mechanisms put in place for management of plastic waste in the area under jurisdiction along with the details of agencies involved in door to door collection	The department placed a total of 3417 community waste bins in all 10 inhabited Island.
(11)	Attach details of infrastructure put in place for management of plastic waste generated in the area under jurisdiction	MSW incinerator will be install shortly in all the islands
(12)	Attach details of infrastructure required, if any along with justification	Yes
(13)	Quantity of Plastic Waste generated during the year from area under jurisdiction (in tons)	148.00 M/T
(14)	Quantity of Plastic Waste collected during the year from area under jurisdiction (in tons)	148.00 M/T
(15)	Quantity of plastic waste channelized for recycling during the year (in tons)	431.49 M/T
(16)	Quantity of plastic waste channelized for use during the year (in tons)	The UT of Lakshadweep have no Recycling Unit. The recyclable materials are transported to Kochi for recycling
(17)	Quantity of inert or rejects sent to landfill sites during the year (in tons)	The UT of Lakshadweep have no landfill sites. The rejected material (inert waste) used for base filling in

		construction work, which is acute shortage in Island.
(18)	<p>Details of each of facilities used for processing and disposal of plastic waste Facility-I</p> <p>i) Name of operator</p> <p>ii) Address with Telephone Number or Mobile</p> <p>iii) Capacity</p> <p>iv) Technology Used</p> <p>v) Registration Number</p> <p>vi) Validity of Registration (up to)</p>	<p>The old incinerator in all 10 Island is not working. The supply order is given to Municipal Solid Waste Management incineration with a capacity of 100 kg, 50 kg and 25 Kg. is respectively. 5 nos. 100 Kg incinerator already reached in the Island of Kavaratti, Amini, Andrott, Minicoy and Agatti. And the installation and commission of incinerator is in progress. It is expected to reach 50 Kg. and 25 Kg incinerator within a month period.</p> <p>At present the department have incineration facility for processing the waste. That will not be fully installed now. But the installation process is going on in all the islands.</p> <p>Department of Environment & Forest, UT of Lakshadweep</p> <p>0489 626 2598, 0489 626 2592</p> <p>100 Kg/per hr and 50 Kg/ per hr</p> <p>Incineration without energy</p> <p>Under installation</p> <p>Under installation</p>
	Facility-II i) Name of operator ii) Address with Telephone Number or Mobile iii) Capacity iv) Technology Used v) Registration Number Validity of Registration (up to)	Nil
(19)	Give details of: Local body's own manpower deployed for collection including street sweeping, secondary storage, transportation, processing and disposal of waste.	<p>The department of Environment & Forest is only as the Nodal agency to look after the collection including street sweeping, secondary storage, transportation, processing and disposal of waste at Lakshadweep with the entire support of 375 casual labourers provided by the Village Dweep Panchayat in all the islands</p> <p>The department is in the final stage for contractual appointment of 455 Safai Karamcharis for deploying the management of waste at Lakshadweep</p>
(20)	Give details of: Contractor or concessionaire's manpower deployed for collection including street sweeping, secondary storage, transportation, processing and disposal of waste.	Nil
(21)	Mention briefly, the difficulties being experienced by the local body in complying	The Geographical Isolation. Plastic reaching through waves and currents,

	with provisions of these rules including the financial constraints, if any	cement bags for construction, huge volume of coconut bi-product etc. generated in Islands are the main difficulties experience by the local body. The appropriate technologies is the main hurdles to tackle the problems. The Union Territory do not have a cement factories and waste to energy plants is not viable and eco-friendly in Island condition. A total of 5 crore earmarked for Integrated Waste in UTLA.
(22)	Whether an Action Plan has been prepared for improving solid waste management practices in the city? If yes (attach copy) Date of revision:	Yes. Restructuring of action plan is under process (copy of Lakshadweep Abhiyan is attached)

This is issued with the approval of Secretary, Environment & Forest vide Diary No. 1864(A) Dated 17.07.2019.

(A.C. Abdul Jabbar)
RFO & Head (Env't.)

Date: 17.07.2019
Place: Kavaratti

Annexure R9



भारत सरकार / GOVT. OF INDIA
 लक्षद्वीप प्रशासन / LAKSHADWEEP ADMINISTRATION
 (पर्यावरण एवं वन विभाग) / (Department of Environment & Forest)
 नीति और कानूनी प्रभाग / POLICY & LEGAL DIVISION
 कवारत्ती द्वीप / Kavaratti Island - 682555
 E-mail: lak-def@nic.in and lk-cfpolicy@gov.in, Ph : 04896 262598

F.No.109/1/2019 - ई एंड एफ (P&L)

दिनांक: 29.07.2019

To

The Member Secretary,
 Lakshadweep Pollution Control Committee,
 Department of Science & Technology,
 UT/LA, Kavaratti.

Sub: - E&F- Annual Report on Plastic Waste Management at Lakshadweep in
 compliance to the Plastic Waste Management Rule 2016 - Reg;
 Ref: Meeting Notice F.No.66/3/2018-E&F, dated 28.05.2019

Sir,

In compliance to the Plastic Waste Management Rule 2016 and Plastic Waste Management (Amendment) Rule 2018 in UT of Lakshadweep. The department of Environment & Forest is prepared and submitted the annual report in Form- V on plastic waste management in Lakshadweep in the year 2018-19 as per the Subsection (2) of Section 17 Annual Reports under the Rule.

This is issued with the approval of Secretary, Environment & Forest vide Diary No. 1910 dated 29.07.2019.

Yours faithfully

Encl: Form- V

(A. C. Abdul Jabbar)
 RFO & Head (P&L)

Copy to :

- 1) The Member Secretary, Central Pollution Control Board, Ministry of Environment, Forest & Climate Change, Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032

प्रेषित
 DESPATCHED

Form - V

[See rules 17(2)]

**FORMAT FOR ANNUAL REPORT ON PLASTIC WASTE MANAGEMENT TO BE
SUBMITTED BY THE LOCAL BODY**

Period of Reporting: 2018-19

(1)	Name of the City or Town and State:	Union Territory of Lakshadweep
(2)	Population	64429 as per 2011 census
(3)	Area in sq. kilometres	32 Sq Km
(4)	Name & Address of Local body Telephone No. Fax No. E-mail:	Department of Environment & Forest, UT of Lakshadweep Administration, Kavaratti 0489 626 2598, 0489 626 2592 Email: lk-efpolicy@gov.in & lak-dcf@nic.in
(5)	Total Numbers of the wards in the area under jurisdiction	85 wards
(6)	Total Numbers of Households in the area under jurisdiction	11847
(7)	Number of households covered by door to door collection	11847
(8)	Total number of commercial establishments and Institutions in the area under jurisdiction - Commercial establishments - Institutions	254 (Shops & Govt. Institutions)
(9)	Number of commercial establishments and Institutions covered by door to door collection - Commercial establishments - Institutions	254
(10)	Summary of the mechanisms put in place for management of plastic waste in the area under jurisdiction along with the details of agencies involved in door to door collection	The department placed a total of 4686 Nos community waste bins in all 10 inhabited Island.
(11)	Attach details of infrastructure put in place for management of plastic waste generated in the area under jurisdiction	5 Nos MSW incinerator at a capacity of 100Kgs reached in the Islands of Kavaratti, Agatti Amini, Andrott and Minicoy and the installation and commissioning process underway. 5 Nos more 50/25Kg incinerator given supply order to ENSYS pvt Madras to the islands of Kadmat Kiltan Chetlat Bitra and Kalpeni and will be install and commissioning on or before 31 st December, 2019
(12)	Attach details of infrastructure required, if any along with justification	Yes. One no of shredder is already given supply order to the firms for Kavaratti island 9 more shredder & Crusher for plastic bottle management is required. A total amount of 9 Crore is earmarked in annual plan 2019-20 for the management of Integrated Waste in UTLA
(13)	Quantity of Plastic Waste generated during the year from area under jurisdiction (in tons)	153.00 M/T
(14)	Quantity of Plastic Waste collected during the year from area under jurisdiction (in tons)	153.00 M/T
(15)	Quantity of plastic waste channelized for recycling during the year (in tons)	173.00 M/T. The department also transported earlier segregated waste kept at CGD along with the waste generated during the year 2018-19
(16)	Quantity of plastic waste channelized for use during the year (in tons)	The UT of Lakshadweep have no Recycling Unit. The recyclable materials are transported to Kechi for recycling

(17)	Quantity of inert or rejects sent to landfill sites during the year (in tons)	The UT of Lakshadweep have no landfill sites. The rejected material (inert waste) used for base filling in construction work, which is acute shortage in Island.
(18)	<p>Details of each of facilities used for processing and disposal of plastic waste Facility-I</p> <p>i) Name of operator</p> <p>ii) Address with Telephone Number or Mobile</p> <p>iii) Capacity</p> <p>iv) Technology Used</p> <p>v) Registration Number</p> <p>vi) Validity of Registration (up to)</p>	<p>The incinerator for the incineration for non-recyclable waste / reuse waste are explained in para. 11 above. In addition the department is under process to procure 10 Nos shredder and crusher to each unit of MRJ in Islands during the year 2019-20. It is expected install and commission on or before 31st December, 2019.</p> <p>Department of Environment & Forest, UT of Lakshadweep</p> <p>0489 626 2598, 0489 626 2592</p> <p>100 Kg/per hr and 50 Kg/ per hr</p> <p>Incineration without energy</p> <p>The local body is submitting request for consent of operation of incinerator to LPCC, UTLA</p> <p>Registration process is underway</p>
	Facility-II i) Name of operator ii) Address with Telephone Number or Mobile iii) Capacity iv) Technology Used v) Registration Number Validity of Registration (up to)	Nil
(19)	Give details of: Local body's own manpower deployed for collection including street sweeping, secondary storage, transportation, processing and disposal of waste.	The Environment Division under the department of Environment & Forest is the local body under Plastic Waste Management Rule, 2016. A total of 10 islands with 85 wards came under the division till date. A total of 9 Supervisors, 56 Assessors and 390 Karamcharis are working under Integrated Waste Management Rule, 2016 in the local body under the supervision and control of Range Forest Officer and Head Environment Division. A total of 180 Km Govt. Road is maintaining under street sweeping every day. 10 Nos material Recovery Facilities areas with a total space of 19020 SqM is maintaining in islands. In addition the division has a land area of 5205 SqM for installation and commissioning of Incinerator/Shredder/Crusher in Lakshadweep. The Policy & Legal Division act as implementing agency and Urban Development Department as per Plastic Waste Management Rule, 2016.
(20)	Give details of: Contractor or concessionaire's manpower deployed for collection including street sweeping, secondary storage,	Nil

	transportation, processing and disposal of waste.	
(21)	Mention briefly, the difficulties being experienced by the local body in complying with provisions of these rules including the financial constraints, if any	The Geographical Isolation, Plastic reaching through waves and currents, cement bags for construction, etc. generated in Islands are the main difficulties experience by the local body. The appropriate technologies is the main hurdles to tackle the problems. The Union Territory do not have a cement factories and waste to energy plants in Islands. A total of 9 crore earmarked for Integrated Waste in UTLA for the year 2018-19. An amount of 10 Crore is required from SBA for transportation vehicle, automatic sweeping machines, beach area clearing equipment and manpower and infra structure development, which is immediate requirement considering the eco- sensitive zone in islands
(22)	Whether an Action Plan has been prepared for improving solid waste management practices in the city? If yes (attach copy) Date of revision:	Yes. Restructuring of action plan is under process. The department of Environment & Forest engaged Consultant for the restructuring of Action plan on Swachh Lakshadweep Abhiyan on 29 th June, 2019 (copy of Swachh Lakshadweep Abhiyan 2014-19 is attached herewith)

This is issued with the approval of Secretary, Environment & Forest vide Diary No. 1910 Dated 29.07.2019.

(A.C. Abdu Jabbar)
RFO & Head (P&L)

Date: 29.07.2019
Place: Kavaratti

8/6/2019

<https://email.gov.in/h/printmessage?id=12717&xim=1>

lk-dst@nic.in

Annual report as per Plastic waste Management Rules,2016**From :** Director, S&T <lk-dst@nic.in>

Tue, Jul 30, 2019 01:32 PM

Subject : Annual report as per Plastic waste Management Rules,2016

3 attachments

To : Member Secretary, CPCB <mscb.cpcb@nic.in>**Cc :** PA to MS, CPCB Delhi <vmoni.cpcb@nic.in>, CPCB <cpcbsuresh@gmail.com>, pkgupta cpcb <pkgupta.cpcb@nic.in>

Pl. see the annual report as per PMW rules.2016 for the year 2017 and 2018

Director
Department of Science & Technology
U.T of Lakshadweep
Kavaratti



बेटी बचाओ, बेटी पढ़ाओ:

- **PMW.PDF**
24 KB
- **pmw1.PDF**
29 KB
- **pmw2.PDF**
489 KB



भारत सरकार/GOVT. OF INDIA
 लक्षद्वीप प्रशासन/ LAKSHADWEEP ADMINISTRATION
 लक्षद्वीप प्रदूषण नियंत्रण समिति/LAKSHADWEEP POLLUTION CONTROL COMMITTEE
 विज्ञान एवं प्रौद्योगिकी विभाग/ DEPARTMENT OF SCIENCE & TECHNOLOGY
 कवरत्ती द्वीप - 682 555/ KAVARATTI ISLAND -682 555

File No: LD-03004/1/2017-LPCC-UT-LKS

Dated 30.07.2019

सेवायें/To

The Chairman
 Central Pollution Control Board
 East Arjun Nagar
 Delhi-110032

विषय /Sub: - Furnishing of Annual reports regarding compliance of Plastic Wastes
 Management Rules, 2016- Reg.

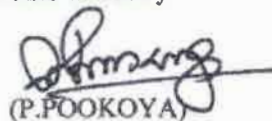
श्रीमान/Sir,

The annual report in respect of this Union Territory of Lakshadweep in the prescribed forms are duly filled and furnished for the year 2017 and 2018 as desired.

Please acknowledge the receipt.

Yours faithfully

Encl:A/A


 (P. POOKOYA)

Member Secretary, LPCC

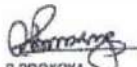
Copy to:-

1. The Joint Secretary, CP Divisions, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbag Road, New Delhi-110003
2. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar Delhi-110032.

Form-VI

STATE-WISE STATUS OF IMPLEMENTATION OF PLASTIC WASTE MANAGEMENT RULES, 2016 FOR THE YEAR 2017 ANNUAL REPORT Format

Sl. No. of the SPCB or PCC	Estimated Plastic Waste generation in Tons Per Annum (TPA)	No. Of registered Plastic Manufacturing or Recycling (including multilayer, compostable) units. (Rule 9)			No. of Unregistered plastic manufacturing Recycling units. (in residential or unapproved areas)	Details of Plastic Waste Management (PWM) e.g. Collection, Segregation, Disposal (Co-processing road construction etc.) (Rules 6) (Attach separate sheet)	Partial or complete ban on usages of Plastic Carry Bags (through Executive Order) (Attach copy of notification or executive order)	Status of Marking Labelling on carry bags (Rule 8) [Specify the number of units or not complied]	Explicit Pricing of carry bags (Rule 10)	Details of the meeting of State Level Advisory Body (SLA) along with its recommendations on implementation (Rule 11)	No. of violations and action taken on non-compliance of provisions of these Rules	Number of Municipal Authority or Gram Panchayat under jurisdiction and Submission of Annual Report to CPCB (Rule 12)
		Plastic units	Compostable Plastic Units	Multilayer Plastic units								
(1)	(2)	(3)			(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
LPCC	136	Nil	Nil	Nil	Nil	Status report attached as Annexure I	Notification F.No. 17/2/96 ST&E dated 17.07.1996 is enclosed as Annexure II.	NA	NA	NA	Nil	1


P. POOJAYA
Member Secretary, LPCC

Form-VI

STATE-WISE STATUS OF IMPLEMENTATION OF PLASTIC WASTE MANAGEMENT RULES, 2016 FOR THE YEAR 2018 ANNUAL REPORT Format

No. of the SPCB or PCC	Estimated Plastic Waste generation in Tons Per Annum (TPA)	No. Of registered Plastic Manufacturing or Recycling (including multilayer, compostable) units. (Rule 9)			No. of Unregistered plastic manufacturing/Recycling units. (in residential or unapproved areas)	Details of Plastic Waste Management (PWM) e.g. Collection, Segregation, Disposal (Co-processing road construction etc.) (Rules 6) (Attach separate sheet)	Partial or complete ban on usages of Plastic Carry Bags (through Executive Order) (Attach copy of notification or executive order)	Status of Marking Labelling on carry bags (Rule 8) [Specify the number of units or not complied]	Explicit Pricing of carry bags (Rule 10)	Details of the meeting of State Level Advisory Body (SLA) along with its recommendations or implementation (Rule 11)	No. of violations and action taken on non-compliance of provisions of these Rules	Number of Municipal Authority or Gram Panchayat under Jurisdiction and Submission of Annual Report to CPCB (Rule 12)
		Plastic units	Compostable Plastic Units	Multilayer Plastic units								
(1)	(2)	(3)			(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
LPCC	148	Nil	Nil	Nil	Nil	Attached	Notification F.No. 17/2/96 S&E dated 17.07.1998 is enclosed.	NA	NA	Constitution of Advisory body Notification F.No. 66/7/2018&F dated 11.08.2018 is enclosed. Meeting has been convened to review the effective monitoring of these rules	Nil	1


P. POOKOYA
Member Secretary, LPCC

Annexure I**Status Report for the Year 2017****Collection of waste**

The Department of Environment & Forest is the nodal agency to look after the collection, storage, transportation, processing and disposal of waste. Total of 3417 community waste bins has been placed in all 10 inhabited islands of Lakshadweep for collection of waste.

Segregation of waste

The waste are collected directly from the bins by Panchayat laborers and transported to Central Garbage Depository (CGD) for segregation and disposal. Secondary storage and segregation is being carried out by the casual labors engaged with the Village Dweep Panchayat (VDP) in all islands.

Disposal of waste

The waste which are incinerable were transported to incinerator site and non incinerable (recyclable) were separately kept at CGD for transporting to mainland for recycling station (At present the incinerator is not working action initiated for commissioning of incinerator in all inhabited islands).



P. POOKOYA
Member Secretary, LPCC

Annexure IStatus Report for the Year 2018**Collection of waste**


The Department of Environment & Forest is the nodal agency to look after the collection, storage, transportation, processing and disposal of waste. Total of 3417 community waste bins has been placed in all 10 inhabited islands of Lakshadweep for collection of waste.

Segregation of waste

The waste are collected directly from the bins by Panchayat laborers and transported to Central Garbage Depository (CGD) for segregation and disposal. Secondary storage and segregation is being carried out by the casual labors engaged with the Village Dweep Panchayat (VDP) in all islands.

Disposal of waste

The local body started channelizing the plastic waste during the year 2017-18. Non incinerable (recyclable) with a quantity of 431.49M/T (including waste from previous year) were channelized for recycling. The waste which are incinerable were transported to incinerator site.


P. POOKOYA
Member Secretary, LPCC

The Lakshadweep Gazette

PUBLISHED BY AUTHORITY



EXTRAORDINARY

VOL. XXIV, No. 14, FRIDAY, 24th JULY, 1998 / 24th SHRAVANA SNU (SARA)

ADMINISTRATION OF THE
UNION TERRITORY OF LAKSHADWEEP
DEPARTMENT OF
SCIENCE, TECHNOLOGY & ENVIRONMENT

Kavaratti Island,
Dated: 17-7-1998.

NOTIFICATION

F. No. 17/2/98-ST&E :- In accordance with Bye-Law 4 of Lakshadweep Environment and Conservancy Bye-Laws 1998, the Administrator, U. T. of Lakshadweep hereby prohibit import and or use of polythene and plastic material for packing and carrying of consumer goods in the whole of the Union Territory of Lakshadweep with effect from 1-8-1998.

Provided that this prohibition shall not apply to polythene and plastic material used for packing, packed commodities by the producers.

Sd/-
(RAJEEV TALWAR)
Administrator.

ADMINISTRATION OF THE
UNION TERRITORY OF LAKSHADWEEP
(SECRETARIAT)

Kavaratti Island,
Dated 14-7-1998.

NOTIFICATION

F. No. 1/17/98 Services (CC) :- The Administrator, Union Territory of Lakshadweep is pleased to redesignate the 2 posts of Supply & Marketing Officers borne under Common cadre one each attached in the Industries Department, Kavaratti and in the Office of the Administrator, Kochi and 4 posts of Assistants borne under Common cadre, one each attached to the Office of the Deputy Director (Science and Technology), Kavaratti, Assistant Director (Planning), Office of the Administrator, Kochi and in General Section Secretariat, Kavaratti, as Superintendents with immediate effect.

CAI

THE LAKSHADWEEP UNION TERRITORY ACTS, 1956-57

ADMINISTRATION OF THE
UNION TERRITORY OF LAKSHADWEEP
DEPARTMENT OF
SCIENCE, TECHNOLOGY & ENVIRONMENT

Kavaratti Island,
Dated: 17-7-1988.

NOTIFICATION

F. No. 17/2/88-ST & E :- Whereas, to ensure that non-bio-degradable waste is deposited only in the garbage bins eliminating littering, as also to minimise generation of non-bio-degradable waste hazardous to the islands prohibiting the use of polystyrene/plastic materials for packing and carrying consumer goods, a draft bye-law, viz Lakshadweep Sanitation and Conservancy bye-law was published in the Lakshadweep Times of 27th May, 1986 inviting comments to reach the Deputy Director (ST) on or before 24th June, 1986;

And whereas the comments so received have been duly considered,

Now, therefore, the Administrator, U. T. of Lakshadweep, in exercise of the powers conferred by section 82 of the Lakshadweep Panchayats Regulations, 1984 hereby makes the following bye-laws, namely:-

1. (1) These bye-laws may be called Lakshadweep Sanitation-Conservancy Bye-Laws, 1988.
- (2) They extend to the whole U. T. of Lakshadweep.
- (3) They shall come into force on such date as notified in the Official Gazette and different dates may be appointed for different islands.
2. In these bye-laws, unless the context otherwise requires -
 - (a) Definitions as given in Lakshadweep Panchayats Regulations, 1984 shall be applicable.
 - (b) The "Prohibited substance" means substance prohibited by notification in the Official Gazette, under bye-law 4.
 - (c) Non-bio-degradable rubbish means waste which does not degrade by natural biological process and includes polythene, plastic, glass, terra cotta.
 - (d) Bio-degradable rubbish means waste which is degradable by natural biological process and includes food leftovers, tree leaves, coconut husk and pith, paper waste but exclude human excreta.
3. (a) No person shall dispose off or cause to be disposed off non-bio-degradable waste in any place or manner except into garbage bin when provided for collection of bio-degradable waste.
- (b) No person shall dispose off or cause to be disposed off non-bio-degradable waste in any place or manner except into garbage bin when provided for collection of bio-degradable waste.

THE LAKSHADWEEP GAZETTE EXTRAORDINARY

of non-bio-degradable substance to the extent as may be specified in such notification.

(b) On and from the date specified in the notification issued under sub-section (1), no person shall use such prohibited substance to the extent specified therein.

6. Penalty for contravention of the bye-laws: whoever fails to comply with or contravenes any provision of this bye-laws or directions issued thereunder shall in respect of each such failure or contravention be punishable with a fine which may extend to Rs. 100/-.

6. Cognizance of offence: No court shall take cognizance under these bye-laws except on a complaint made by the Environment Warden of Department of Science, Technology and Environment, Lakshadweep Administration or an officer authorised in this behalf by the Administrator by notification in the Gazette.

7. Compounding of offence: An offence under these bye-laws may be compounded on payment of fine of Rs. 100/- by the offender for each offence.

Sd/-

(RAJEEV TALWAN)
Administrator.



भारत सरकार / GOVT. OF INDIA
लक्षद्वीप प्रशासन / LAKSHADWEEP ADMINISTRATION
(पर्यावरण एवं वन विभाग) (Department of Environment & Forests)
कवारत्ती द्वीप / Kavaratti Island - 682555

एफ.नं. 85/7/2018-ई एंड एफ

दिनांक: 08.08.2018

NOTIFICATION

In exercise of powers conferred by sections 3, 6 & 25 of the Environment (Protection) Act, 1986 (29 of Rules, 2016. 1, Farooq khar constitute State Level Advis

with Section 16 of Plastic Waste Management or, Union Territory of Lakshadweep is hereby AB) comprising of the following members as

listed below:-

Sl. No.	Designation	Member
1	The Secretary, Environment & Forest.	Chairman
2	The President cum Chief Counsellor	Member
3	The Member Secretary, LPCC	Member
4	The Director, Panchayat	Member
5	The Director, Planning, Statistic & Taxation	Member
6	The Director, Dept. of Industries	Member
7	The Principal GS&S, Kavaratti	Member
8	The Senior most RFO, E&F	Member
9	Mrs. Sunitha (smal, Social Worker	Member
10	The Sales Tax Officer, UTLA	Member
11	The RFO, Environment, E&F	Convener

The State Level Advisory Body (SLAB) shall meet at least once in every six months to review the effective monitoring of implementation of these rules, state policy and strategy on Plastic Waste Management and give advice to Union Territory of Lakshadweep Administration to take measures that are necessary for expeditious and appropriate implementation of these rules.

(FAROOQ KHAN)
ADMINISTRATOR

**Plastic Ban –Inspection/raid conducted by Island level
Committee under Plastic Bye Law, 1998**

Sl. No	Island	Number of Inspection conducted in retail shops /markets/Hotels during the year 2018-19			
		May	June	July	Total
1	Agatti	7	0	9	16
2	Amini	5	10	39	54
3	Andrott	25	10	29	64
4	Bitra	0	2	2	4
5	Chetlat	2	0	0	2
6	Kadmat	3	9	4	16
7	Kiltan	6	5	4	15
8	Kavaratti	12	5	3	20
9.	Kalpeni	2	7	6	15
10	Minicoy	3	0	3	6
	Total	65	48	99	212


A.C. ABDUL JABBAR
 Range Forest Officer (P&L)

8/6/2019

AR- 2017-18

<https://email.gov.in/h/printmessage?id=10590&xim=1>

lk-dst@nic.in

Biomedical waste management - annual report 2017-reg**From :** Director, S&T <lk-dst@nic.in>

Mon, Apr 29, 2019 04:52 PM

Subject : Biomedical waste management - annual report 2017-reg

1 attachment

To : mantu choudhury

<mantu.choudhury@rediffmail.com>, youthika cpcb

<youthika.cpcb@nic.in>

Sir,

Kindly see the attachment

Director

Department of Science & Technology

U.T of Lakshadweep

Kavaratti



बेटी बचाओ, बेटी पढ़ाओ:

— BMW report 2017.PDF

108 KB



भारत सरकार/GOVT. OF INDIA

लक्षद्वीप प्रशासन/ LAKSHADWEEP ADMINISTRATION

लक्षद्वीप प्रदूषण नियंत्रण समिति/LAKSHADWEEP POLLUTION CONTROL COMMITTEE

विज्ञान एवं प्रौद्योगिकी विभाग/ DEPARTMENT OF SCIENCE & TECHNOLOGY

कवरत्ती द्वीप 682 555/ KAVARATTI ISLAND -682 555

File No.LD-03003/1/2017-LPCC-UT-LKS

Dated: 29.04.2019

सेवाभि/To

Shri B.Vinod Babu,
AD & DH, WMD-1
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
New Delhi- 110 032
E-Mail : mantu.choudhury@rediffmail.com, youthika.cpcb@nic.in.

विषय /Sub:- Hon'ble National Green Tribunal order dated 12.03.2019 in the matter of O.A. No. 710 of 2017 regarding Biomedical Waste Management- Regarding

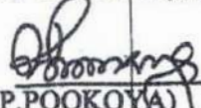
Ref: F.No.B-31011/BMW(42.30)/2019/WMD-I dated March 22,2019

श्रीमान/Sir,

Kindly refer the letter cited in the subject regarding the Hon'ble National Green Tribunal order dated 12.03.2019 in the matter of O.A. No. 710 of 2017 of Biomedical Waste Management. I am herewith forwarding the consolidated annual report of the BMW in respect of U. T of Lakshadweep for the period from January 2017 to December 2017 for further necessary action from your end.

Kindly acknowledge the receipt of the same.

भवदीय/ Yours faithfully,


(P. POOKOYA)

MEMBER SECREARY, LPCC

Copy to PA to Secretary, S&T and Chairman, LPCC for information.

Copy to Conservator of Forests, Dept. of Environment & Forests for information

Copy to Director, Health Services for information.

Format for the Submission of Annual Report Information on Bio-medical Waste Management by the SPCBs/PCCs to CPCB for the period January 2017 to December 2017

1. Name of the State Pollution Control Board/ Pollution Control Committee: **Lakshadweep Pollution Control Committee**
2. Name of the Nodal Officer with Telephone contact telephone no. & email: **Shri Muhsin A.I, Scientist**
Mob: 9446357060, E-mail: lk-dst@nic.in
3. Total number of HCFs : 25
(i) Bedded : 10
(ii) Non Bedded : 15
4. Total number of Beds : 250
5. Status of Authorization
(a) Total number of HCFs applied for Authorization : Nil*
(b) Total number of HCFs granted Authorization : Nil*
(c) Total number of application under consideration : Nil*
(d) Total number of application rejected : Nil*
(e) Total number of HCFs in operation without applying for authorization : 25
6. Quantity of Bio-medical waste generation (in Kg/day)
(a) Bio-medical waste generation by bedded hospitals (in Kg/day) : 198 kg/day
(b) Bio-medical waste generation by non-bedded hospitals (in Kg/day) : -
(c) Any other : 225 kg/day
Total : 423 in Kg/day
7. Bio-medical waste treatment and disposal
8. (a) Captive Bio-medical waste treatment and disposal by HCFs (Please enclose details as per Annexure -I(a))

Sl.No.	Health care facility	Treatment & Disposal			
		No. of HCFs having captive treatment facilities	Total installed captive treatment facility		
			Type of treatment equipment	No.	Capacity (in kg/day)
1	Bedded	10	Incinerator	3	25
					1 Kg/day. (One incinerator working at Amini island)
			Plasma pyrolysis	Nil	-
			Autoclaves	2	7.5 kg/day
			Microwave	1	38 kg/day
			Hydroclave		
			Shredder		
			Needle tip cutter	18	1.5 kg/day
			Sharps encapsulation or concrete pit	4	5.2 kg/day
			Deep burial pits	5	32 kg/day
2	Non-bedded	15	Chemical disinfection	8	2.8 kg/day
			Incinerator		
			Plasma pyrolysis		
			Autoclaves		
			Microwave		
			Hydroclave		
			Shredder		
			Sharps encapsulation or concrete pit		
			Deep burial pits		
			Any other treatment equipment		
			Total (in kg/day)		88 kg/day

b) Bio-medical waste treatment & disposal by CBWTFs (Please enclose details as per Annexure -1(b))

Total number of CBWTFs		Total installed treatment capacity			Total Bio-medical waste treated in kg/day
In operation	Under construction	Type of treatment equipment	No.	Total capacity in kg/day	
		Incinerator			
		Plasma pyrolysis			
		Autoclave			
		Hydroclave			
		Microwave			
		Shredder			
		Sharps encapsulation or concrete pit			
		Deep burial pits			
		Any other equipment			
		Effluent treatment plant			
		Total (in kg/day)			

1. Total bio-medical waste generation :
2. Total bio-medical waste treated & disposed (in kg/day) :
 - By Captive Treatment facilities by the HCFs :
 - By CBWTFs :
3. Total number of violation by:
 - HCFs
 - CBWTFs : Nil
- 1) Show cause notices /directions issued to defaulters
 - HCFs : Nil
 - CBWTFs : Nil
- 2) Any other relevant information:
 - a) No. of workshops / trainings conducted during the year: Lakshadweep Pollution Control Committee has conducted two days workshop on various Waste Management Rules for the Staff of Hospitals, Department of Environment & Forests, Department of Animal Husbandry, PWD etc on 9-10 October, 2018 at the Administrative Training Institute, Kavaratti, UT of Lakshadweep
 - b) No. of HCFs installed liquid waste treatment facility : Nil
 - c) No. of captive incinerators complying to the norms :
 - d) No. of HCFs organized trainings : Nil
 - e) No. of HCFs constituted Bio-medical Waste Management Committees:
 - f) No. of HCFs submitted Annual Report : 09
 - g) No. of HCFs procuring pre-treatment of lab microbiology & Biotechnology waste. : Nil


P. POOKOYA
 MEMBER SECRETARY

AR - 2018-19

8/6/2019

<https://email.gov.in/h/printmessage?id=10327&xim=1>

lk-dst@nic.in

Hon'ble NGT matter-court matter-Urgent**From :** Director, S&T <lk-dst@nic.in>

Fri, Apr 26, 2019 05:38 PM

Subject : Hon'ble NGT matter-court matter-Urgent

1 attachment

To : mantu choudhury

<mantu.choudhury@rediffmail.com>, youthika cpcb

<youthika.cpcb@nic.in>

Kindly see the attachment

--

Director
 Department of Science & Technology
 U.T of Lakshadweep
 Kavaratti



बेटी बचाओ, बेटी पढ़ाओ:

— sc cc.pdf
 1 MB

File No.LD-03003/1/2017-LPCC-UT-LKS

COURT MATTER/URGENT



भारत सरकार/GOVT. OF INDIA

लक्षद्वीप प्रशासन/ LAKSHADWEEP ADMINISTRATION

लक्षद्वीप प्रदूषण नियंत्रण समिति/LAKSHADWEEP POLLUTION CONTROL COMMITTEE

विज्ञान एवं प्रौद्योगिकी विभाग/ DEPARTMENT OF SCIENCE & TECHNOLOGY

कवरत्ती द्वीप 682 555/ KAVARATTI ISLAND -682 555

File No: C-18018/1/2019-LPCC-UT-LKS

Dated: 26.04.2019

सेवार्थे/To

Shri B.Vinod Babu,
AD & DH, WMD-1
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
New Delhi- 110 032
E-Mail : mantu.choudhury@rediffmail.com, youthika.cpqb@nic.in.

विषय /Sub:- Hon'ble National Green Tribunal order dated 12.03.2019 in the matter of O.A.
No. 710 of 2017 regarding Biomedical Waste Management- Regarding

Ref: F.No.B-31011/BMW(42.30)/2019/WMD-I dated March 22,2019

श्रीमान/Sir,

Kindly refer the letter cited in the subject regarding the Hon'ble National Green Tribunal order dated 12.03.2019 in the matter of O.A. No. 710 of 2017 of Biomedical Waste Management. I am herewith forwarding the consolidated annual report of the BMW in respect of U. T of Lakshadweep for the period from January 2018 to December 2018 for further necessary action from your end.

Kindly acknowledge the receipt of the same.

भवदीय/ Yours faithfully,

(P.POOKOYA)

MEMBER SECRETARY, LPCC

Copy to PA to Secretary, S&T and Chairman, LPCC for information. 26/4
Copy to Conservator of Forests, Dept. of Environment & Forests for information
Copy to Director, Health Services for information.

File No.LD-03003/1/2017-LPCC-UT-LKS

Submission of Annual Report Information on Bio-medical Waste Management
to SPCB, PCC, & CPCB for the period January 2018 to December 2018

Name of the State Pollution Control Board: Pollution Control Committee: Lakshadweep Pollution

Committee

Name of the Nodal Officer with Telephone contact telephone no. & email: Shri Mubashir A. Khan
Mob: 9446357060, E-mail: mkh@lpcb.lk

1. Total number of HCFs : 25
 (a) Bedded : 10
 (b) Non Bedded : 15
 2. Total number of Beds : 250
 3. Status of Authorization
 (a) Total number of HCFs applied for Authorization : Nil*
 (b) Total number of HCFs granted Authorization : Nil*
 (c) Total number of application under consideration : Nil*
 (d) Total number of application rejected : Nil*
 (e) Total number of HCFs in operation without applying for authorization : 25
 4. Quantity of Bio-medical waste generation (in Kg/day)
 (a) Bio-medical waste generation by bedded hospitals (in Kg/day) : 238 kg/day
 (b) Bio-medical waste generation by non-bedded hospitals (in Kg/day) : -
 (c) Any other : 289 kg/day
 Total : 527 in Kg/day
 5. Bio-medical waste treatment and disposal
 6. (a) Captive Bio-medical waste treatment and disposal by HCFs (Please enclose details as per Annexure -I(a))

Sl.No.	Health care facility	No. of HCFs having captive treatment facilities	Treatment & Disposal			Total bio-medical waste treated & disposed by captive treatment facilities in kg/day
			Type of treatment equipment	No.	Capacity (in kg/day)	
1	Bedded	10	Incinerator	3	25	1.2 Kg/day. (One incinerator working at Amini island)
			Plasma pyrolysis	Nil		-
			Autoclaves	2		9 kg/day
			Microwave	1		52 kg/day
			Hydroclave			
			Shredder			
			Needle tip cutter	18		1.4 kg/day
			Sharps encapsulation or concrete pit	4		4.5 kg/day
			Deep burial pits	5		38 kg/day
			Chemical disinfection	8		4.7 kg/day
2	Non-bedded	15	Incinerator			
			Plasma pyrolysis			
			Autoclaves			
			Microwave			
			Hydroclave			
			Shredder			
			Sharps encapsulation or concrete pit			
			Deep burial pits			
			Any other treatment equipment			
			Total (in kg/day)			110.8 kg/day

File No.LD-03003/1/2017-LPCC-UT-LKS

b) Bio-medical waste treatment & disposal by CBWTFs (Please enclose details as per Annexure -I(b))

Total number of CBWTFs		Total installed treatment capacity			Total Bio-medical waste treated in kg/day
In operation	Under construction	Type of treatment equipment	No.	Total capacity in kg/day	
		Incinerator			
		Plasma pyrolysis			
		Autoclave			
		Hydroclave			
		Microwave			
		Shredder			
		Sharps encapsulation or concrete pit			
		Deep burial pits			
		Any other equipment			
		Effluent treatment plant			
		Total (in kg/day)			

1. Total bio-medical waste generation :
2. Total bio-medical waste treated & disposed (in kg/day) :
 - By Captive Treatment CFs :
 - By CBWTFs :
3. Total number of violation :
 - HCFs
 - CBWTFs : Nil
- 1) Show cause notices /directions issued to defaulters
 - HCFs : Nil
 - CBWTFs : Nil
- 2) Any other relevant information:
 - a) No. of workshops / trainings conducted during the year: Lakshadweep Pollution Control Committee has conducted two days workshop on various Waste Management Rules for the Staff of Hospitals, Department of Environment & Forests, Department of Animal Husbandry, PWD etc on 9-10 October, 2018 at the Administrative Training Institute, Kavaratti, UT of Lakshadweep
 - b) No. of HCFs installed liquid waste treatment facility : Nil
 - c) No. of captive incinerators complying to the norms :
 - d) No. of HCFs organized trainings : 1
 - e) No. of HCFs constituted Bio-medical Waste Management Committees:
 - f) No. of HCFs submitted Annual Report : 09
 - g) No. of HCFs procuring pre-treatment of lab microbiology & Biotechnology waste. : Nil


(P. POOKOVA)

MEMBER SECRETARY, LPCC

GOVT. OF INDIA
LAKSHADWEEP ADMINISTRATION
(DEPARTMENT OF ENVIRONMENT & FOREST)
POLICY & LEGAL DIVISION

Kavaratti Island,
Dated : 26-06-2019.

NOTIFICATION

F.No. 66/3/2018- E&F(1)/823 :- The Advisor to Administrator U.T.of Lakshadweep, Kavaratti pleased to constitute Monitoring Cell for the implementation of Integrated Solid Waste Management Rule, 2016 with following officials as per the Hon'ble National Green Tribunal (NGT) order in OA No.606/2018 dated 14.05.2019.

Sl.No.	Designation	Member
1.	Dr.Sajeevan, Ex.Kerala Pollution Control Board Chairman and Expert member State Level Monitoring Committee, UTLA, Kavaratti	Chairman
2.	Dr.Hidayathulla, Consultant, Solid Waste Management, P&L Division, E&F, Kavaratti	Member
3.	Smt.Ameera Beegum. C.P., Junior Consultant, Solid & Plastic Waste Management Rule, P&L, Division, E&F, Kavaratti	Member
4.	Smt.Beebi Asoora, A.P., Junior Consultant, Construction & Demolition Waste Management, P&L Division, E&F, Kavaratti	Member
5.	Shri. A.C.Abdul Jabbar, RFO & Head, P&L Division, E&F, Kavaratti	Convener

The Monitoring Cell is directly attached with Advisor to Administrator's office, UTLA, Kavaratti. The Cell will look after and advice to the Advisor to the Administrator in the implementation of Integrated Waste Management Rules, 2016 in Lakshadweep.

The order will come in to force with immediate effect.

Sd/-
(MIHIR VARDHAN)
(ADVISOR TO ADMINISTRATOR)

Minutes of meeting in connection with 1st State Level Monitoring Cell
Meeting dated 15.07.2019 in Lakshadweep

The 1st State Level Monitoring Cell Meeting constituted as per Hon'ble NGT order dated 14.05.2019 in OA No. 606/2018 conducted in the chamber of Secretary Environment & Forest, Kavaratti on 15th July 2019 at 05.10 PM under the Chairmanship of Shri. Damodhar A.T., IFS, Secretary, Environment & Forest. The members attended in the meeting are shown at **Annexure-1**.

The Range Forest Officer, Environment & Forest, welcomed the Chair, the officer made a detailed presentation on Waste Management Rule, 2016 in Lakshadweep. The following decisions were arrived at.

Policy & Legal Division of Department of Environment and all the members. With the permission of the Chair, the officer made a detailed presentation on Status and implementation of Integrated Waste Management Rule, 2016 in Lakshadweep. After elaborated discussion, the following decisions were arrived at.

1. **Bio Medical Waste Management in UTLA:** - The Director, DMHS, UTLA, Kavaratti briefed the present situation of Bio Medical Management Status in Lakshadweep. It is informed that autoclaves for health care facilities is already tendered and finalized. The shredder for syringes and incinerator will be procured soon. The action may be initiated to conduct spore test in all health care facilities. It is directed to ensure that necessary funds are allocated for the procurement of the equipment's and machineries under Bio Medical Waste Management Rule 2016. It is also directed to ensure to provide list of medical/paramedical staff from each HCFs to Dept. of Environment & Forest for making training arrangement under Bio Medical Waste Management Rule 2016. Department should take immediate step for implementing the Action Plan on Bio Medical Waste Management Rule as per NGT direction dated 14.05.2019, including the strengthening of manpower and infrastructure development. A fortnight report may be submitted to the Monitoring Cell to update the status to the Hon'ble Administrator, UTLA in this regard. (Action: Director, DMHS, UTLA, Kavaratti).
2. **Bio Degradable Waste Collection & Disposal:** - The Committee unanimously decided that the pipe compost is not suitable in Island condition. It is decided to carry out house to house collection of waste and scientific disposal through SHGs/NGOs/experienced labours from the Islands. The Committee suggested to include thatched roof as eco-friendly roof tops in Island situation and be included in the Policy & Strategy documents under eco-tourism plan of Lakshadweep. The Committee unanimously agreed that Bio fencing using coconut leaf stick will be the unique model and help to reduce coconut bi-product generation in Islands and will improve economic status of the Islanders. (Action: RFO & Head, Environment Division, E&F, Kavaratti)
3. **Uniform/Liveries to Swachh Workers:** - The Committee recommended to provide olive green colour over coat with logo of Swachh Bharat Abhiyan to the ladies working under Swachh Karamcharis/Assessors/Supervisors. Whereas, the Committee recommended full suit (olive green colour) to the male staff working under the Swachh Lakshadweep Abhiyan. (Action: RFO & Head, Environment Division, E&F, Kavaratti)
4. **Plastic Waste:** The Committee decided to give intensive to the stakeholders who return plastic covers and soft drink bottles left out from packed items in way back policies. The covers/plastic bottles will be taken in kilogram. The Committee recommended Rs. 10/-

per Kg. that may enable to keep the aesthetic beauty of the Island from plastic pollution. (Action: RFO & Head, Environment Division, E&F, Kavaratti).

5. **Land Acquisition & CGD Fencing** : The RFO & Head, Policy & Legal Division informed that the land earmarked for the collection, segregation and incineration of non-biodegradable waste is taken for 55 years of lease period. The Committee suggested to start acquisition proceedings as per the act, which is pre requisite for the effective management of solid waste in the territory. It is also suggested to hand over the present lease land to LPWD for the construction of compound wall, material recovery facility, retiring room for the staff etc. as per the Solid Waste Management Rule 2016 with the prior approval of Competent Authority. (Action: RFO & Head, Environment Division, E&F, Kavaratti)
6. **Segregated Waste Disposal** : The RFO, Policy & Legal Division informed that suitable contractors are not available to take over the segregated waste from CGD at present. The Committee suggested that segregation has to be done as per the mandatory requirement as per Solid Waste Management Rule 2016 and arrangement will be done with the suitable vendors from Kerala in later stage. (Action: RFO & Head, Environment Division, E&F, Kavaratti)
7. **Septage Treatment Plant**: The Committee recommended to start a septage treatment plant with a capacity of 1000 litre/day with the same technology practicing at Brahmapuram and Port Trust at Kochi, Kerala. The land identified by the department (6140 Sq.m) near Diary Farm at Kavaratti may be utilized for the installation of Septage Treatment Plant with Bio Park. The treated out flow water and sludge may be utilized for the management of Bio Park. The plan sketch with lease land may be handed over to Superintending Engineer, LPWD, Kavaratti for the installation of Septage Treatment Plant and Bio Park with the prior approval of Competent Authority. (Action: RFO & Head, Environment Division, E&F, Kavaratti).
8. **LPCC & Incinerator** : The Committee suggested to take the consent of Lakshadweep Pollution Control Committee immediately for the establishment of incinerator and Septage Treatment Plant at Kavaratti Island. (Action: RFO & Head, Policy & Legal Division, E&F, Kavaratti).

The committee meeting ended at 06.20 PM with thanks to the chair.


 (Damodhar A.T.) IFS
 Secretary, Environment & Forest




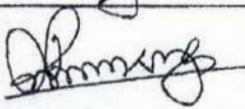
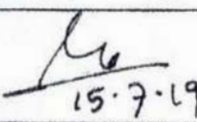

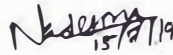
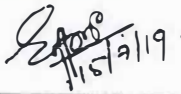
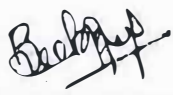


F.No.110/7/2019-E&F(P&L). **Dated 15.07.2019**

To

All the Members concerned.

Copy to:

1. The SE, LPWD, UTLA, Kavaratti
2. The Director, DMHS, UTLA, Kavaratti
3. The RFO & Head, Environment Division, E&F, Kavaratti
4. The RFO & Head, Policy & Legal Division, E&F, Kavaratti
5. The PA to Advisor to Administrator. UTLA, Kavaratti for his kind information, please

Monitoring Committee meeting Under No. 1 order dated 14.5.2019 in OA NO. 606/2019.		
Sl.No.	Name & Designation	Signature
1	Damodhar AT (Secy. E&T)	 15/07/19
2	D. C. G. M. Mahomed Jaleel DHS in charge	
3	Dr. K. S. S. S. S. S. Tech. Expert	
4	P. P. P. P. P. P. P. P. P. Director, S&T	
5	Dr. P. A. A. A. A. A. A. A. A. Director, C&T	 15.7.19
6	Dr. H. H. H. H. H. H. H. H. RM (Consultant)	
7	Naseema R. IR. Consultant (Biom. Manager)	 15/7/19
8	Raseena Begum ILM, Livestock Assistant (WL), E&F	 15/7/19
9	Beebi Asma AP IR. consultant (Lead Waste)	
10	Amura Begum C. P. IR Consultant	
11.	A. C. Abdul Jacoban RFO CP&C	



लक्षद्वीप का राजपत्र The Lakshadweep Gazette

PUBLISHED BY AUTHORITY
EXTRAORDINARY

VOL. LV. No. 15 THURSDAY, 27th JUNE, 2019 /11th ASHADA, 1941 (SAKA)

GOVT. OF INDIA
LAKSHADWEEP ADMINISTRATION
(DEPARTMENT OF ENVIRONMENT & FOREST)
POLICY & LEGAL DIVISION

Kavaratti Island,
Dated : 26-06-2019.

NOTIFICATION

F.No. 12/6/2018(1)/822 :- The Advisor to Administrator U.T.of Lakshadweep, Kavaratti pleased to constitute a Special Task Force(STF) for the effective implementation of Integrated Waste Management Rule, 2016 with the following officials as per the Hon'ble National Green Tribunal (NGT) order in OA No.606/2018 dated 16.01.2019.

Sl.No.	Designation	Member
1.	Shri.Gaurav Yadav, DANICS, ADM	Chairman
2.	Shri.Abdul Nazer U, Senior Chemist, Dept.of Science & Technology	Member
3.	Shri.B.Mohammed, Inspector HQ	Member
4.	Shri.A.C.Abdul Jabbar, RFO & Head, P&L Division, E & F, Kavaratti	Convener

The Special Task Force (STF) will look after and monitor the implementation of Integrated Waste Management Rules, 2016 in Lakshadweep.

The order will come in to force with immediate effect.

Sd/-

(MIHIR VARDHAN)
(ADVISOR TO ADMINISTRATOR)

1st meeting of Special Task Force (STF) under Integrated Waste Management dated 23rd July, 2019

The special Task Force (STF) for integrated waste management in UTLA constituted as per Hon'ble NGT order in OA No.606/2018 dated 14th May, 2019. The notification of the constitution of STF was issued on 26th June, 2019. The first meeting of STF has been conducted under the chairmanship of Additional District Magistrate (ADM), UTLA, Kavaratti on 23rd July, 2019. The members attended the meeting as shown at Annexure 1. The STF discussed different waste related issues in UTLA like Municipal Solid Waste, Plastic Waste, Bio medical Waste and Construction and Demolition waste, coastal regulation etc as per the directions of the Hon'ble Court. The members also discussed the NGT order dated 14th May, 2019 and the objectives and responsibilities vested with special task force for its vigilant and immediate implementation in scientific manner. After detailed discussion, the committee arrived at the following points as stated below:

1. The STF directed the Executive Agency to keep all public places neat and clean in islands through Swachh Workers appointed for the purpose (Action: Conservator of Forest, E&F/ Executive Officer, Panchayat in all islands)
2. The Executive Agencies under integrated waste management in UTLA should ensure the scientific disposal of waste by proper collection, segregation and transportation. (Action: Conservator of Forest, E&F /Director, Medical and Health Services/ SE, LPWD)
3. The department of Environment and Forest in the meeting reported that the UTLA prepared Policy, strategy and Action Plan for integrated waste management whose goals are to be achieved by 31st December, 2019. The Chairman opined to revise the Action plan on integrated waste according to the new rules and guidelines made by the Ministry/CPCB (Action: Conservator of Forest, E&F)
4. The Range Forest Officer, Environment reported that Solid Waste Management Cell is already created by the UTLA. The Policy and Legal Division of the Department of Environment & Forest is acting as Solid Waste Management cell (SWMC) as per the direction of 3rd meeting of State Level Advisory Body (SLAB). The committee recommended to institute awards/rewards to the Panchayat Raj Institutions who have shown good performance in the integrated waste management in UTLA. (Action: Conservator of Forest, P&L)



5. The Range Forest officer, Environment in the meeting reported that no landfill site is available in UTLA but a Central Garbage Depository is there in the islands. The committee also noticed that huge piles of plastic cement bags can be seen at various places in all the islands and recommended for their immediate disposal at the earliest. (Action: Conservator of Forest)
6. The E&F department informed that Lakshadweep has very limited land for its development. Also no landfill site is available in any of the island. Therefore, the committee opined that horticultural land area or plantation site may be developed around the Central Garbage Depository in each island considering the Hon'ble NGT order in this regard (Action: Conservator of Forest)
7. The Committee is of the view that the Refused Derived Fuel (RDF) from electricity generation in all the islands can deteriorate the environment, if not properly managed. The committee directs Executive Engineer, Electricity to prepare the action plan with proper timelines within a month time in this regard (Action: EE, Electricity, UTLA)
8. The committee was informed by E&F department that all inhabited islands are under process for installation and commissioning of incinerator for the direct incineration of plastic waste and the process will be completed soon. The committee suggested that all the executing agencies shall ensure complete segregation of waste before incineration. (Action: Conservator of Forest /Director, DMHS)
9. The Range Forest officer reported to committee that all the inert waste generated from segregated waste is being utilised for the baseline filling in domestic house construction work at present. The committee recommended that a committee consisting of Junior Engineer, LPWD and a member from pollution control committee should inspect and certify such waste before issuing it for base filling for the construction of buildings in future. (Action: Member Secretary, LPCC/ SE, LPWD)
10. The S&T department reported that the Domestic Hazardous and e-Waste is collected by the E&F department along with non biodegradable waste at present. The committee is of the view that the department should collect all domestic hazardous and e-waste separately from other plastic/non biodegradable waste. Arrangements may be made to collect domestic hazardous/e-waste separately at least once in a week from households in all the

ALY

Dr. M. S. S.

M. S. S.

- islands. In the meantime stakeholders should be made aware of the menace of the hazardous/e-waste and its proper disposal. (Action: Conservator of Forest)
11. The E&F department informed that a total of 13 single used plastic are banned in Lakshadweep. The committee noted that a number of banned items are available in retail shop even after its complete ban in the islands. It is recommended that capacity building and awareness programmes shall be conducted for all stakeholders and strict enforcement of the law shall also be carried out by all the concerned departments like Police and E&F. (Action: Conservator of Forest/ SP/ LPCC)
 12. The committee took a serious note of the burning of bio waste especially coconut bi-products which is one of the main and serious cause of pollution in the islands. Many times plastic and other hazardous waste is also burnt which may be one of the reasons of the increasing number of cancer patients in Lakshadweep. Burning of waste has become a regular phenomenon across all the islands and the same can be noticed in each and every locality in the islands. The committee recommended complete ban on burning of waste immediately through notification by the UTLA. Committee was also informed by Police and E&F department that till date no fine has been imposed and no person has been booked under the relevant laws. The committee also recommends for the strict enforcement of the environmental laws and directs the Police and E&F department to submit fortnightly action taken report to STF in this regard along with the details of the money collected as fine and prosecution. (Action: Conservator of Forest/ SP/ LPCC,)
 13. The committee noticed that the UTLA has yet not created any website for the dissemination of data/information to the public regarding integrated waste management. The committee recommends that E&F department shall start a website specifically for integrated waste management. (Action: Conservator of Forest)
 14. The committee recommended that E&F department shall publish the Hon'ble NGT directions in OA No.606/2018, dated 14th may, 2019 in Malayalam and to circulate the same among all stakeholders for their information immediately (Action: CEO, DP/Conservator of Forest)
 15. The committee opines to install CCTV cameras around Central Garbage Depository in each Island, immediately and to install GPS in Government waste collection vehicles for proper monitoring in future (Action: Conservator of Forest)

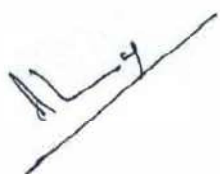
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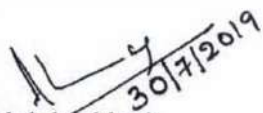
16. The department informed that the Annual report under Plastic Waste management Rule, 2016-17 and 2017-18 has already been submitted to Pollution control committee (LPCC). The committee recommends that E&F department shall submit the Annual Report for the year 2018-19 also as per Plastic waste management Rules, 2016 and Solid Waste management Rules, 2016 immediately (Action: Conservator of Forest)
17. The E&F department informed that no Sewage Treatment Plant is there in Lakshadweep. The work is under progress to install and commission one 10m³ Septage Treatment plant at Kavaratti. The department has already identified 6240 sq.m land area away from uninhabited place in Kavaratti for the plant. The departmental officers visited Bramapjoram STP and Port trust STP at Kochi, Kerala and recommended the same technology for the kavaratti STP plant. The committee under the Chairmanship of Secretary, Environment & Forest recommended the same and LPWD will shortly start the tender process in this regard. The STF committee recommended to install the Septage Treatment Plant adjacent to Bio park for the utilisation of treated water properly in time bound manner. Similar plants shall also be installed in all the remaining islands. The committee also recommends that the E&F department and LPWD shall also explore the feasibility of Sewage Treatment Plants in all the islands. (Action: Secretary, E&F/ SE, LPWD)
18. The committee noted that uncontrolled sand mining and shingles collection from beaches for domestic house construction may deteriorate the environment around the coral reefs and beaches. The Police/Forest department shall taken immediate action to control uncontrolled sand mining/coral mining from seashore areas in island. Patrolling shall be increased in the seashore areas specially during evening and night time. In this regard Police and E&F department shall submit fortnightly report to the STF about the action taken. (Action: SSP/ Conservator of Forest)
19. The Range Forest officer reported that no legacy waste is available in Central Garbage Depository of any of the island. But in total, 56 ton of cement bags/non sorted non biodegradable waste is available in Central garbage Depository of all the islands. The action has already been initiated to recover the reusable items from non sorted item. The committee recommends that E&F department shall speed up the segregation and all the




- cement bags in CGD shall be incinerated after installation and commissioning of incinerator in islands without any further delay. (Action: Conservator of Forest)
20. The Hon'ble National Green Tribunal stressed for the recovery from the offenders for polluting the environment by applying "polluter pay principle" in islands. The committee recommended that the Lakshadweep pollution Control Committee (LPCC) shall take immediate step against the polluters as per Environment protection Act, 1986 and the rules there under for recovery of adequate compensation for restoration of environment. (Action: MS, LPCC)
21. The E&F department informed that the UT Administration has declared Kavaratti, Amini and Andrott as model islands. The committee opined to develop the model island of national standard under integrated waste management (Action: Secretary, E&F)
22. The committee noted that there is a disproportionate increase in the number of vehicles in the islands which may create serious problems in near future. Therefore, committee recommends to ban purchase of all new 4 wheeler private vehicle and also to restrict the purchase of new 2 wheelers for next two years till the time Road and Transport department comes up with a new transport policy to mitigate the environmental degradation and congestion in small and tiny ecologically sensitive islands. (Action: Director, Road & Transport, UTLA)


(M.K.Habsabi)
Member (S&T)


(Ajmal Khan V)
Member (LP)


(A.C.Abdul Jabbar)
Member (E&F)


(Gaurav Yadav)
Chairman, STF

F.No.110/9/2019-E&F (P&L)

Dated 30.07.2019

To

1. All the concerned HODs
2. The Members Concerned

Copy to

1. The PA to Advisor to Hon'ble Administrator, UTLA, Kavaratti for kind information.

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI
O.A NO. 606 OF 2018


IN THE MATTER OF:-

Compliance of Municipal Solid Waste Management Rules, 2016

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NEW DELHI
FILED BY
DATED :


Rajesh Kumar Das
Legal Counsel for Lakshadweep Administration
B-244, LGF,G.K PART-1,
NEW DELHI
PH-9868676799,9871795199
Email ID:
orajputra@gmail.com

IN THE NATIONAL GREEN TRIBUNAL, DELHI

Original Application / Appeal / Misc. Application No. 606.....of 2018

IN THE MATTER OF:

...Compliance of Municipal Solid.....Applicant(s)
 waste management Rules, 2016 Appellant(s)
 VERSUS

..... Respondent(s)

VAKALATNAMA

I/We **Union Territory of Lakshadweep**, Applicant(s) / Appellant(s) / Respondent(s) in the above Original / Misc. Application /Appeal do hereby appoint and retain **Shri Rajesh Kumar Das**, Advocate to act and appear for me/us in the above Original / Misc. Application /Appeal and on my/our behalf to conduct and prosecute (or defend) the same and all proceedings that may be taken in respect of any application connected with the same or any decree or order passed therein including proceedings in taxation and applications for review, to file and obtain/ return of documents and to deposit and receive any money on my/our behalf in the said Original / Misc. Application /Appeal and in applications for Review and to represent me/us and to take all necessary steps on my/our behalf in the above matter. I/We agree to ratify all acts done by the aforesaid Advocate in pursuance to this authority.

Dated this the 9th day of August 2019

Accepted, Identified & Certified

Put Signature(s) below:

Shri Rajesh Kumar Das

Advocate

B-244, LGF

G.K Part-1

New Delhi-110048

Ph: 09868676799



असर पाल सिंह/Asar Pal Singh
 स्थानिक आयुक्त/Resident Commissioner
 केन्द्र, लक्षद्वीप, नई दिल्ली
 Applicant(s)/Appellant(s)
 लक्षद्वीप हाऊस/Lakshadweep House
 Respondent(s)/Caveator(s)
 चाणक्यपुरी, नई दिल्ली/Chanakya Puri, New Delhi

MEMO OF APPEARANCE

To,

The Registrar
 National Green Tribunal
 New Delhi

Sir,

Kindly enter my appearance in the above mentioned Original / Misc. Application /Appeal / Reference / Review made on behalf of the above named Applicant(s)/appellants(s)/Respondent(s).

Yours faithfully

(Shri Rajesh Kumar Das)

Advocate for the Applicant (s)

Respondent(s) / Appellant (s)

New Delhi

Dated: 09/08/19....

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH AT NEW DELHI

Case No.: O-A No. 606 of 2018

IN THE MATTER OF:

Compliance of Municipal
Solid Waste management Rules - 2016
Versus

PROOF OF SERVICE

APPLICANT	
RESPONDENT NO.1	Not in services
RESPONDENT NO.2	
RESPONDENT NO.3	
RESPONDENT NO.4	
RESPONDENT NO.5	
RESPONDENT NO.6	
RESPONDENT NO.7	
RESPONDENT NO.8	
RESPONDENT NO.9	
RESPONDENT NO.10	

Rajesh Kumar Das
Rajesh Kumar Das

ANNEXURE C

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI

OA.NO.606 OF 2018

IN THE MATTER OF :-

Compliance of Municipal Solid Waste Management Rules,2016

NODH:

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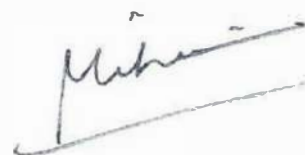

(SUNITA SHARMA)

Advocate for the respondent
Chamber No. 202 C.K. Daphtary Block,
Tilak Lane, Supreme Court
011-23384132, 9811602201
sunitasharma361@gmail.com

Quarterly Report in Compliance to the Orders Dated 16.01.2019 and 14.05.2019 in Original Application No. 606/2018 before National Green Tribunal, New Delhi, on Behalf of Union Territory of Lakshadweep

The present report contains the progress that has been made pursuant to the order of the Hon'ble NGT of 14.05.2019 in compliance to the directive at para 45(ii) to furnish quarterly report. This third quarterly report is submitted indicating the progress for the period from 01.11.2019 to 31.01.2020. Further it contains compliance to other court directions. The point wise progress is given below.

2. As per directive at para 45(i) the Advisor to the Administrator has held two monthly SLAB meetings on 17.12.2019 and 24.01.2020. The copies of the minutes are enclosed as **Annexures-R1 and R2**.
3. The State Level Monitoring Cell conducted a meeting on 31.01.2020. The copy of the minutes is enclosed as **Annexure R-3**.
4. The State Level Special Task Force (STF) under Solid Waste Management Rules, 2016 held a meeting on 15.01.2020. The copy of the minutes is enclosed as **Annexure R-4**.
5. The District Committee to monitor environmental norms on Solid Waste Management Rules, 2016 conducted two meetings under the chairmanship of District Collector on 09.12.2019 and 23.01.2020. The minutes are appended as **Annexures-R5 and R6**.
6. As per directive at para 45(iii), the concerned officers/staff have been imparted training by the Departments of Environment & Forest and Science and Technology. The details of capacity building imparted for the period from 01.11.2019 to 31.01.2020 are shown at **Annexures R7&R 8**.
7. As per the directive at para 45 (iv), it is submitted that, the Lakshadweep Pollution Control Committee (LPCC) entrusted the work of estimating the value of environmental degradation and cost of restoration on the basis of cost benefit analysis to Cochin University of Science and Technology (CUSAT), Kochi, Kerala. An interim report has been submitted by the CUSAT recently in the month



of January, 2020 which is under study. The final report is expected to be submitted by September, 2020.

8. As per directive at para 45(v) it is submitted that, the performance audit of Lakshadweep Pollution Control Committee has been conducted by a Committee constituted by the Central Pollution Control Board on 28.05.2019. The present status report on the gaps pointed out is enclosed herewith as **Annexure R-9**.
9. It is submitted that, as per the Order of the Hon'ble NGT, dated 26/9/2019 in OA No.360/2018, it was directed to prepare District Environment Plan on or before 15/12/2019. The Lakshadweep Environment Plan has been prepared in compliance to the direction and submitted to the CPCC on 19.12.2019 by the Department of Environment and Forests. The copy of the letter is marked as **Annexure-R 10**.
10. The steps taken in compliance to Hon'ble NGT order on Solid Waste Management and other issues have been explained in the following paragraphs.

Compliance to Solid Waste Rules including Legacy Waste:

11. The quantity of solid waste generation per day in UTL is 35 MT out of which Bio Degradable is 18 MT and Non Biodegradable is 17 MT.
12. It is reiterated that in UTL there are 10 Central Garbage Depositories. Since, 2014 the segregation of bio-degradable and non bio degradable waste at source is going on in all the islands. For the purpose of collection of Non Biodegradable waste, 4686 community bins of 150 ltr capacity have been installed in the islands at strategic places. The non-biodegradable waste is brought to the CGD and further segregated into recyclable and non recyclable waste. The non recyclable waste is going to incinerators wherever installed and commissioned and recyclable waste after item wise segregation is transported to the mainland. In the last quarter from November, 2019 to January, 2020 143 MT of recyclable waste has been transported.
13. In so far as Biodegradable waste is concerned processing facilities have been developed at Kavaratti. The Biodegradable waste is collected from 2500 bins and then taken for composting in the pits. Further the department will place 50 red



colour coded waste bins for the collection of napkin/diaper generated from household level at Kavaratti Island shortly. The collection and transportation of door to door segregated waste is outsourced to private contractor at Kavaratti.

14. Considering the successful implementation of this Kavaratti model in last 3 months, the UT Administration proposes to extend the door to door collection of biodegradable wastes to the all other 9 remaining Islands over the next six months.
15. It is submitted that Solid Waste Management Incinerator installed at Kavaratti with 100 Kg/Hr capacity has been commissioned. About 9 MT of Non Biodegradable waste have been disposed. The installation of Incinerator of same capacity at Agatti has been completed and will be commissioned in the second week of February, 2020. The installation work of incinerators of same capacity at Amini, Andrott and Minicoy is in progress. In the case of remaining six Islands the material and equipments are under fabrication and are expected to be supplied in the next couple of months.
16. It is reiterated that 610 MT of legacy waste has been removed and transported from all Islands to the mainland in 2018-19.
17. The Solid Waste Management Bye-law 2018 has a provision to introduce user fees for the service on waste management. The Administration proposes to incorporate user fees from the individual households for the collection of solid waste with effect from 1st April 2020.
18. UTL proposes to procure 18 closed container vehicles (13 Nos Three Wheeler and 05 Nos Four Wheeler) for the transportation of solid waste in all Islands except Bitra which is very small and the administrative approval for the procurement has been taken.
19. The proposal for management of bio-degradable waste in decentralised manner in Lakshadweep through bio-gas plant has been submitted to the Ministry of Environment and Forest with the support of World Bank to install 11950 bio gas plants in all house holds of various islands of Lakshadweep under the ICZMP phase II project. The total project cost is Rs.23.90 Crore. The proposal is under consideration.



Compliance to Bio -Medical Waste Rules:

20. It is submitted that the State Advisory Committee held a meeting on 15.01.2020 for implementation of Biomedical Waste Management Rules, 2016. A copy of the minutes is at **Annexure – R-11**.
21. The District (Island) Monitoring Committees for Bio Medical Waste management Rules 2016, have all convened meetings in the last quarter. The minutes of the meetings are collectively at **Annexure R-12**.
22. The Department of Health proposes to enter into MoU with IMAGE Kerala for the following:-
- a) Supply of consumables with barcode for segregation of Biomedical Waste generated in the islands.
 - b) Technical and logistic support for implementation of Barcode System in this UT.
 - c) Final disposal of disinfected Red, Blue and White category of Biomedical Waste generated in the islands.
23. The MoU is expected to be signed by the end of February 2020. Meanwhile for the implementation of bar code system, manual register will be maintained for this purpose.
24. The Department of Medical Services have placed supply order for procurement of 10 Autoclaves and 10 shredders for the treatment of biomedical waste in all the islands for the government hospitals. The supply of machinery/equipments with installation is expected to be completed by the end of March, 2020.
25. All the 46 health institutions/units have submitted applications to the Lakshadweep Pollution Control Committee for grant of authorization which is under process. One private unit has been permanently closed.



Air Quality Management

26. The department of Science and Technology has notified the categorization of areas in the UTL into silence areas/zones and mixed zones for the purpose of implementation of noise standards. Further the said department has notified the implementing and regulatory authority for the maintenance of the ambient air quality standards in respect of noise under the rules. Copies of the said notifications are enclosed as **Annexure R-13**.
27. The department further proposes to procure 10 sound level meters for installation of each of the islands. In this regard the tender process is underway.
28. Further the Department of Road Transport has obtained administrative approval for the setting up of vehicle pollution testing centres in all the islands. The tender process for the procurement of equipments in this regard is underway.
29. There are no air polluting industries in Lakshadweep as it is no industrial zone.
30. There is one air quality monitoring station at Kavaratti and monitoring PM 10. The reports are sent to the CPCB.
31. UTL will consider setting up of more air quality monitoring stations in other Islands.

Compliance to Construction & Demolition Waste

32. The C&D waste is considered in the UTL as resource rather than waste. The Government as well as public are utilizing this resource material for the new construction works like filling in plinth, leveling of grounds etc. The resource generated (C&D material) during any demolition is stored temporarily in the 21 identified store yards and in a short span of time it is utilized for the new construction.
33. In the long term UTL may consider installation of crusher and segregated plants in case there is a sufficient quantities of C&D requiring to be crushed and reutilized.

Compliance to Hazardous Waste Rules:

34. The inventory of hazardous waste generation has been completed.

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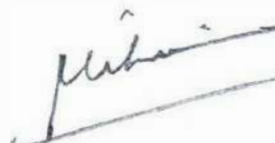
- 35.Regarding status of implementation and recommendation made by monitoring committee in its interim report the same has been submitted to CPCB. The copy of the letter is enclosed as **Annexure R-14**.
- 36.Regarding the transportation, storage and disposal facilities the used oils are stored in separate barrels in leakage free yard of Electricity Department in each island. At present in the UT of Lakshadweep there is no authorized recyclers/utilizers/co processor of Hazardous Waste of CPCB. Hence action is also initiated to finalise the authorized recycler of CPCB at mainland for final disposal.

Compliance to E-Waste Rules:

- 37.Inventory of e-waste generation is under progress and will be completed by April,2020.
- 38.Regarding collection and storage of e-waste in various islands it is stated that a designated area is identified in the Central Depository Site in each island. In this regard a circular is issued to all the bulk consumers(Departments, banks, educational institutions, health care facilities private companies etc.) to ensure that e-waste generated by them is channelized through collection centers and to maintain records as suggested in the E-Waste (Management & Handling) Rules,2016.
- 39.Regarding transportation, storage and disposal facilities at present in the UTL there is no authorized recycler/dismantler of CPCB. Hence action is also initiated to finalise the authorized recycler/dismantler of CPCB at mainland for final disposal.

Status of STP and re-use of treated water:

- 40.The estimated sewage generation from 11574 households is 2.8 MLD.
- 41.Regarding the treatment, it is submitted that the islands do not have any major industries or factories. In the island out flow is only from individual household, private establishments and from government institutions. Therefore, it is considered that sewage treatment plant is not necessary in islands. The faecal waste water is first discharged into septic tank and subsequently to soak pit and



the filtrated waste water from soak pit is then going to the ground through further natural filtration. Non faecal waste water is first going to a separate soak pit and then filtrated waste water from soak pit is then going to the ground through further natural filtration. For the treatment of faecal waste, UTL successfully implemented Bio-Toilets in three islands. For making 100% coverage of all households initially in Kavaratti, tender is proposed to be floated shortly. Proposal to install Bio-toilets in all islands/households in long run is also under consideration. Further, it is proposed to explore possibility of centralized Septage Treatment Plant at Kavaratti for processing of night soil from the septic tank after retention period. A firm has already appointed for preparing the DPR for this project and Work Order issued on 31/1/2020.

42. It is submitted that in UTL there are no bulk users for reuse of treated water such as Industrial Clusters, Metro Rail, Indian Railways, Infrastructure Projects, Agriculture, Bus Depots and PWD.

43. In UTL there are no Aquatic Sources (Lakes, pond, etc.) being developed through treated wastewater.

Ground water extraction/contamination and re-charge:

44. A total of 4532 houses out of 11574 houses have been provided with rainwater harvesting tanks in capacities of 5000 - 10000 Ltr. Further 49 community rainwater tanks have been provided having capacities of 40000 – 100000 Ltr. About 355 Lakh Ltr. of rainwater per annum is harvested in Lakshadweep. The overflow from the rainwater structures are connected to nearby dug wells for accelerating the recharge of ground water.


Rejuvenation of Water bodies:

45. UTL is not having any ponds having an area of 0.5 acre or more. However, UTL is having 1731 small ponds (average size of 10 to 30 sqm). It is noticed some of the above ponds are abandoned or damaged. The conservation of these traditional ponds is highly relevant in the island scenario as the usage of these ponds will minimize the extraction of ground water and also enhance recharging of ground waters through rain. Action has been initiated for the rejuvenation, repair and rehabilitation of existing ponds. Out of 456 identified abandoned/damaged ponds

218 have been rejuvenated. Action plan for the rejuvenation of remaining ponds (238) under Jal Shakti Abhiyan is shown at **Annexure R.15**.

46. The UTL has studied the status report on 14 thematic areas in OA No.606/2018 issued by the Central Pollution Control Board, Delhi on 27.12.2019. The observations made in respect of Lakshadweep have been noted as pointed out in the gap analysis and remedial action has been taken. In this regard the member Secretary of the LPCC has forwarded a compliance report to the CPCB and the same is shown as **Annexure R-16**.

47. As per the directive at para 45(i) that Advisor to the Administrator may "ensure that the entire UT is made compliant with the environment norms within next six months" it is submitted that the task of making compliant entire UT is huge and complex. Progress has been made and partial compliance has achieved in last eight month as indicated in previous two reports and present report. At least another year may be required to bridge the gaps.


(R MIHIR VARDHAN)
Advisor to Administrator

F.No. 103/11/2019-E&F(P&L) Dated : 31.01.2020


असर पाल सिंह/Asar Pal Singh
स्थानिक आयुक्त/Resident Commissioner
केन्द्र प्रशासित प्रदेश लक्षद्वीप/UT Admn. of Lakshadweep
लक्षद्वीप हाऊस/Lakshadweep House
चाणक्यापुरी, नई दिल्ली/Chanakyapuri, New Delhi

**BEFORE THE HONOURABLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH AT NEW DELHI
Original Application No.606/2018**

In the matter of:

Compliance of Municipal Solid Waste Management Rules, 2016

**REPORT OF ADVISOR TO THE ADMINISTRATOR UNION TERRITORY OF
LAKSHADWEEP, INDICATING COMPLIANCE TO ORDER DATED 14.05.2019.**

I Asar pal Singh, S/o Shri Jagat Singh, Age 63 years holding the post of Residential Commissioner of Union Territory of Lakshadweep and having its office at Lakshadweep House, Chanakyapuri, New Delhi, and as authorised by Hon'ble Administrator do hereby solemnly affirm and declare as under;

1. That the afore cited matter relates to Integrated Solid Waste Management as per the directions of Hon'ble NGT in its orders of OA No. 606/2018 dated 16.01.2019, 14.05.2019 and 12.09.2019.
2. It is to submitted that the status up to October, 2019 was submitted to the Hon'ble NGT along with back ground information on 09.11.2019.
3. The present report of the Advisor is pursuant to the order of the Hon'ble Tribunal of 14.05.2019 wherein the following direction has been issued: -

"A quarterly report be furnished every three months. First such report shall be furnished by August 10, 2019".

4. In compliance to aforesaid direction enclosed the third quarterly report of the Advisor showing the progress up to 31.01.2020. It contains compliances in terms of various other directives of the Hon'ble NGT.



Verification Rajendra Kumar

असर पाल सिंह Asar Pal Singh
स्थानिक आयुक्त/Resident Commissioner
(Deponent)
केन्द्र प्रशासित प्रदेश लक्षद्वीप/UT Admn. of Lakshadweep
लक्षद्वीप हाऊस/Lakshadweep House
चाणक्यापुरी, नई दिल्ली/Chanakyapuri, New Delhi

I, the above named Deponent verify at... New Delhi on the 06 day of February, 2020 that the contents of the above compliance affidavit are true to the best of my knowledge and as borne out of the official records.

Nothing material has been concealed therefrom.

CERTIFIED THAT THE CONTENTS EXPLAINED TO THE DEPONENT EXECUTIVE WHO IS SEENED PERFECTLY TO UNDERSTAND & AFFIRMED BEFORE ME AT DELHI ON 06 FEB 2020 IDENTIFIED BY THE EXECUTIVE/DEPONENT WHO HAS SIGNED IN MY PRESENCE

IDENTIFIED

ATTESTED

RAJENDRA KUMAR
NOTARY, DELHI-R-5780
GOVERNMENT OF INDIA
SUPREME COURT OF INDIA
COMPOUND, NEW DELHI
Register Pg./Sl. No.

9899440206 असर पाल सिंह Asar Pal Singh
(Deponent)
स्थानिक आयुक्त/Resident Commissioner
केन्द्र प्रशासित प्रदेश लक्षद्वीप/UT Admn. of Lakshadweep
लक्षद्वीप हाऊस/Lakshadweep House
चाणक्यापुरी, नई दिल्ली/Chanakyapuri, New Delhi

Minutes of meeting in connection with 9th State Level Advisory Body (SLAB) on Integrated Waste Management dated 17.12.2019 in Lakshadweep

The 9th State Level Advisory Body (SLAB) meeting was conducted in Secretariat Conference Hall (Ground Floor) on 17.12.2019 at 03.30 PM under the Chairmanship of Shri. Mihir Vardhan, IAS, Advisor to Administrator & Chairman, SLAB, UTLA, Kavaratti. The members who attended in the meeting are shown at Annexure -I

The Range Forest Officer & Head, Policy & Legal Division, Department of Environment & Forest welcomed the Chairman and SLAB members. The officer made detailed presentation on status and implementation of integrated waste management in respect of earlier meeting dated 30.10.2019 and the achievements thereafter up to 15th December, 2019.

After a detailed discussion of agenda points and action taken report, the body have taken the following decisions.

1. Approval of Implementing Agencies under Environmental Management Plan: The SLAB endorsed the approval of District Environmental Committee (DEC) on the constitution of Implementation/Execution Agency identified for the thematic area implementation as per Hon'ble NGT order in OA No. 360/2018 dated 26.09.2019 (Action : All the Implementing Agency as per minutes dated 09.12.2019 of District Collector, UTLA)
2. Coconut Husk Management Plan: The SLAB observed that the coconut husk and coconut pith are the major waste generating items and causing damage to aesthetic nature of the Islands. The SLAB directed the Industries department to submit a viable management plan for the use of coconut husk and coconut pith as income generating products rather than waste at present (Action: The Director, Industries, Kavaratti).
3. Installation & Commissioning of Bio toilets: The Body directed the Director, Dept. of Science & Technology to finalize E-tender processes for the procurement of bio toilets for all Islands (Action: Director, S&T, Kavaratti)
4. Opening of Vehicle Pollution check centres: The Body directed the Motor Vehicle Department to setup Vehicular pollution check centres in all Islands in consultation with Lakshadweep Pollution Control Committee (LPCC) considering the increasing number of traffic in all Islands (Action: Motor Vehicle Inspector, Road Transport/Director, S&T/Member Secretary, LPCC)
5. Noise Pollution Management Plan: The Body directed the Department of Science & Technology to prepare, finalise and implement Noise Management Plan in the Territory within 30 days (Action: Director, S&T/Member Secretary, LPCC).
6. The Barcode tracking by HCF's: The Director, Department of Science & Technology informed the difficulty to implement Barcode System under Biomedical Waste Management Rule, 2016 in Lakshadweep. The slow internet bandwidth is the major limitations in islands condition. The Director, S&T informed that the matter was reported to CPCB, New Delhi for further advice in this direction. The Body decided to implement the barcode system only after the receipt of the advice from CPCB, New Delhi (Action: The Director, S&T/Member Secretary, LPCC).
7. Procurement of segregation bins (Green & Blue bin) system: It is decided to extend door to door collection of waste in all remaining Islands. The department shall procure of 10,500 pairs of bins (Green and Blue bins) for the segregation of waste domestically in all Islands through E-tender process (Action : RFO & Head, Environment Division)
8. Distribution of twin bins at Kavaratti: The body directed the department to procure and distribute twin bins to all remaining households at Kavaratti, immediately. The department shall depute an official to Kochi for the transportation arrangement of remaining bins in the barge, immediately (Action: The RFO & Head, Environment Division)

9. Legacy Waste Management: The Body directed the department of Environment & Forest to invite tender process from registered recyclers/ Authorised agents to dispose 10 Lakh or more cement bags laid down at Central Garbage Depository in various islands (Action: The RFO & Head, Environment Division)
10. Purchase of vehicle for Waste Management: The Body recommended to purchase 18 closed 4 wheeler Municipal Solid Waste Management Vehicles for the transportation of waste in all islands (Action: RFO & Head, Environment Division).
11. State Environment Plan Approval : The State Level Advisory Body approved the State Environment Plan prepared by Dept. of Environment & Forest as per Hon'ble NGT order in QA No. 360/2018 dated 26.09.2019 (Action: The Conservator of Forests, UTLA, Kavaratti).
12. Release of Supplementary Grant for Waste Management: The Body decided to approve Rs. 10 crore GIA to be recommended under supplementary grant for the management of integrated waste during the year 2019-2020 (Action: The Conservator of Forests, UTLA, Kavaratti).
13. Purchase of Machineries and Equipment's for Waste Management, Treatment & Disposal: The SLAB directed the department to procure all the machineries/equipment's viz, coconut leaf/wood shredder, plastic bottle crusher, bio composting machine, waste trollies etc, for all islands by inviting E-tender during the year 2019-2020 (Action: The Conservator of Forests, UTLA, Kavaratti).
14. Procurement of Land for Incinerator Installation & Commissioning : The Body directed the Department of Environment & Forest to sort out the issue on incinerator land in the Island of Kalpeni and Andrott with District Collector, UTLA (Action: The Conservator of Forests, UTLA, Kavaratti/District Collector, UTLA).
15. Land for Biodegradable Waste Collection and Disposal Facilities: All the DC/SDO in islands shall submit the availability of government/private land for the collection, segregation and treatment facilities of biodegradable waste proposed to be collected from house to house with effect from 1st February, 2020 (Action: All DC/SDO in Islands/RFO & Head, Environment Division).
16. Implementation of Rules and Byelaws under Plastic Waste Management: The body directed to submit the Action Taken Report from each peripheral unit under plastic waste management Byelaws implementation in the next meeting (Action: The DC/SDO's in all Islands / RFO & Head Environment Division).
17. Construction & Demolition Waste: The Body unanimously taken decision that Construction & Demolition waste generated in Islands are fully utilized for the reconstruction purposes as these are considered to be valuable materials in the islands. In other words, C&D waste is considered as resource rather than waste in all the Islands. The same may be communicated to CPCB in the report. (Action: The SE, LPWD/The RFO, Environment Division)
18. Incinerator Ash Management: The body decided that the LPWD shall collect the incinerator ash generated at the site once in a month for the construction and filling up purpose under government sector (Action: SE, LPWD/RFO (Hq), Kavaratti).
19. Action Plan for Rainwater Harvesting: The Body directed the department to send a copy of the Rain Water Harvesting Action Plan (RWHAP) with the approval of concerned Secretary to Nodal department to communicate to Hon'ble NGT. Reply to be submitted on or before 20th December, 2019 (Action: The SE, LPWD, Kavaratti).
20. Installation and Commissioning of Sewage Treatment Plant: The Body directed the department to submit the final Request For Proposal (RFP) to LPWD, Kavaratti for e-tender process. The execution of RFP will be done by LPWD, UTLA, Kavaratti (Action: The Conservator of Forest/The SE, LPWD)
21. Establishment of MRF facilities at CGD, Kavaratti: The SLAB directed the department of LPWD to establish MRF facilities at Kavaratti CGD as per the DPR prepared at a cost of Rs. 3.5 crore (Action: The SE, LPWD, Kavaratti).



22. Autoclave installation and commissioning: The Body directed the Director, Medical & Health Services to install and commission the Autoclave purchased under Biomedical Waste Management Rule, 2016 in all HCF's before the next meeting as tender process was completed (Action: The Director, DMHS, Kavaratti).
23. Separate Meeting of Departments: The Chairman, SLAB directed the monitoring cell to arrange separate meeting to the individual implementing agencies to sort out specific issues bilaterally (Action: The RFO & Head, Policy & Legal Division/ Head of implementing agencies under IW Management)

The SLAB meeting ended at 5.00 Pm with thanks to the chair.

This is issued with the approval of Advisor to Administrator and Chairman, SLAB vide diary No.3245, dated 28.12.2019.


(O.P. Mishra)

Secretary, Environment & Forest

F.No.66/3/2018-E&F, Dated 28.12.2019

To

1. All the Members concerned
2. The HOD's concerned for necessary action
3. The District Collector & District Magistrate for information and further action.

Copy to:

1. The PA to Hon'ble Administrator, UTL for kind information, please.
2. The PA to Hon'ble Advisor to Administrator, UTLA for kind information, please.


True Copy

Minutes of meeting in connection with 10th State Level Advisory Body (SLAB) on Integrated Waste Management dated 24.01.2020 in Lakshadweep

The 10th State Level Advisory Body (SLAB) meeting was conducted in Secretariat Conference Hall (Ground Floor) on 24.01.2020 at 04.00 PM under the Chairmanship of Shri. Mihir Vardhan, IAS, Advisor to Administrator & Chairman, SLAB, UTLA, Kavaratti. The members who attended in the meeting are shown at Annexure -I

The Range Forest Officer & Head, Policy & Legal Division, Department of Environment & Forest welcomed the Chairman and SLAB members. The officer made detailed presentation on activities and achievements in 9th SLAB meeting, backlog of activities in 1 to 9 SLAB meeting, physical inspection report of monitoring committee to Advisor to Administrator and progress report in SIF and District Committee meeting on Environmental Norms. After a detailed discussion of agenda points and action taken report, the body have taken the following decisions.

1. **Waste Deposition Centre for Hazardous Waste in Islands:** The Body directed the electricity department to establish waste oil and Battery storage waste deposition centre in all islands before the next meeting (Action :The EE, Electricity)
2. **Establishment of Septage Treatment Plant:** The Body directed the department of Environment & Forest to establish Septage Treatment Plant at Kavaratti and finalization the DPR. (Action: The Conservator of Forests, E&F).
3. **Development of Website:** The Body directed the National Informatics Centre to develop "Integrated Website" for UTLA within 2 weeks period (Action: Technical Director, NIC/Conservator of Forests, E&F).
4. **Procurement of closed vehicles for waste transportation:** The Body directed the Department of Environment & Forest to procure and place 18 Nos. closed container vehicle for the transportation of integrated waste in all islands on or before 31st March, 2020 (Action: Conservator of Forests, E&F).
5. **Training to officials under Biomedical Waste Management:** The Body directed the Directorate of medical & Health Services to arrange 3 days exclusive training programme to 47 HCF's under Biomedical Waste Management Rule, 2016 on or before 31st March, 2020 (Action: The Director, DMHS).
6. **Installation of Bio toilets:** The Body directed the department of Science & Technology to invite E tender for Bio toilets for all islands in Lakshadweep by observing codal formalities on or before 28th February, 2020 (Action :The Director, S&T)
7. **Enforcement of Sanitation and Health:** The Body directed the department of Medical & Health Services to monitor the leakage of septic tanks in all islands and penalty may be imposed against defaulters. ATR in this regard shall submit to the body before the meeting (Action: Director, DMHS)
8. **Installation of Biogas Plant:** The Body directed the department of Science & Technology to install and commission 10 Nos. Biogas plant lying at Central Garbage Depository, Kavaratti, within a month period (Action: The Director, S&T)
9. **Action plan on Refused Derived Fuel:** The Body directed the department of electricity to submit the timeline Action Plan on generation and disposal of used oil generating from power plants in all islands, within a month (Action: The EE, Electricity).
10. **Publication of Hon'ble NGT order in Local language:** The Body directed the Information and Public Relation to translate all the directions made by Hon'ble NGT in OA No.606 in Malayalam

with respect to Lakshadweep and publish Lakshadweep Times, within a week period (Action: The Director, IPR).

11. **Land for Biomedical Waste Management:** The Body directed Directorate of Medical & Health Services in consultations with Collectorate to establish land for Bio Medical Waste Management in all Islands on mission mode and complete the procedure on or before 28th February, 2020 (Action: The Director, DMHS).
12. **Estimate the value for Environmental Degradation and cost restoration:** The Director, S&T reported that the preliminary report on estimate the value for Environmental Degradation and cost restoration submitted by Cochin University. However final report require six months for its completion (Action: The Director, S&T).
13. **Performance Audit of LPCC:** The Body directed the Department of Science & Technology to submit the update status of action taken on the Performance Audit Report made by CPCB, New Delhi before 30th January, 2020 (Action: The Director, S&T).
14. **Procurement of Machineries under Biomedical Waste:** The Body directed Directorate of Medical & Health Services to procure and in place all the machineries require for the treatment of biomedical waste in all HCF's under the directorate, on or before 31st January, 2020. A detailed report may be submitted to the monitoring cell before 31st January, 2020 to include in the 3rd quarterly report (Action: The Director, DMHS).
15. **Management of Slaughter House in Islands:** The Body directed to submit the timeline action plan/status report on slaughter house in Islands (Action: The Director, Animal Husbandry).
16. **Treatment of Waste water generating from Household/Government Building/Government Quarter:** The Body directed the Public Works department to submit timeline action plan/status report on treatment of waste water generating from household/government building/government quarter in islands (Action: The SE, LPWD).
17. **Waste Water generation from Health Care Facilities:** The Body directed the Directorate of Medical & Health & Services to submit detailed plan on waste water generation and its scientific disposal from newly constructing Indira Gandhi Hospital, Kavaratti. The Directorate also ensure that Effluent Treatment plant shall procure and establish in all HCF's under the directorate for the treatment of waste water generating from the institution's (Action: The Director, DMHS).
18. **Air and Noise Pollution:** The Body directed that the department of Science & Technology shall procure and establish Air and Noise devices in all islands of Lakshadweep. Further, the department make arrangement to collect the scientific data from the devices and publish in the website (Action: The Director, S&T).
19. **Authorisation of Health Care Facilities:** The Department of Science & Technology has updated that all the HCF's have submitted form for authorization and the same is under process for issuing authorization. (Action: The Director, S&T)
20. **E-Waste Management inventory:** The SLAB directed the department of Science & Technology to submit inventory data on E-waste from all islands on or before 28th February, 2020 (Action: The Director, S&T).
21. **Coconut Husk Management Plan:** The Body directed the Director, Industries to submit timeline action plan for the management of coconut waste generating in Islands (Action: The Director, Industries).
22. **Procurement of Twin bins to other islands:** The Body directed the department of Environment & Forest to publish E-tender for the procurement of twin bins require for the management of Door to Door collection of waste in all remaining 9 Islands (Action: The Conservator of Forests, E&F)

23. Establishment of MRF Facilities at Kavaratti: The Body directed the Public Works department to submit Rs.4.2 crore MRF plan to Hon'ble Administrator, UTLA for administrative approval and expenditure sanction, immediately (Action: The SE, LPWD)
24. Opening of Vehicle Pollution Check Centres: The Body directed the department of Road Transport to start vehicle pollution check centres in all inhabited islands of Lakshadweep (Action: The Director, Road Transport)
25. Legacy Waste Management: The Body directed the department of Environment & Forest to issue work order to registered recycler approved by Kerala Pollution Control Board for the treatment of plastic waste in consultation with Account officer, Secretariat and approval of the Competent Authority (Action: The Conservator of Forests, E&F).
26. Release of supplementary Grant to Waste Management: The Body directed the department of Environment & Forest to submit 4 months (January to April) remuneration of Swachh workers under GIA to competent Authority through Account Officer (S), immediately under supplementary grants (Action: The Conservator of Forests, E&F).
27. Procurement of Machineries and Equipment's for IWM: The Body directed the department of Environment & Forest to take immediate step to procure and install waste disposal machineries and equipment's with the approval of Competent Authority (Action: The Conservator of Forests, E&F)
28. Land for Biodegradable Waste Collection and disposal: The Body directed all the DC/SDO's to start Door to Door collection of waste in all islands with effect from 1st February, 2020. The Swachh workers posted in each island shall utilise for the collection, transportation and meaningful disposal of the waste. Require land for the management of biodegradable waste shall procure on lease/allocate government land for the purpose. A detail report on the progress shall submitted to monitoring committee on or before 5th February, 2020 (Action: The DC/SDO's in islands).
29. Implementation of Hazardous Waste Management Rule: The body directed to include Department of Labour as one of the implementing agency vide NGT O.A No. 804/2017 dated 26.08.2019. (Action: The Director, Labour & Employment/Conservator of Forest, E&F)

The SLAB meeting ended at 5.00 Pm with thanks to the chair.

(Damodhar A.T.,) IFS
Secretary, Environment & Forest

F.No.66/3/2018-E&F

Dated 29.01.2020

To

1. All the Members concerned
2. The HOD's concerned for necessary action.
3. The District Collector & District Magistrate for information and further action.

Copy to:

1. The PA to Hon'ble Administrator, UTL for kind information, please.
2. The PA to Hon'ble Advisor to Administrator, UTLA for kind information, please.


True Copy

Annexure - R-3

Minutes of 3rd meeting of State Level Monitoring Cell Meeting on Integrated Waste Management dated 31.01.2020 in Lakshadweep

The State Level Monitoring Cell constituted as per Hon'ble NGT order dated 14.05.2019 in OA No.606/2018 and conducted its 3rd meeting in the chamber of Range Forest Officer & Head, Policy & Legal Division, Kavaratti on 31.01.2020 at 5.00 PM under the Chairmanship of Dr K. Syed Ali, Range Forest Officer & Head, Policy & Legal Division, Environment & Forest. The members attended in the meeting are shown at Annexure I.

The Range Forest Officer & Head, Policy & Legal Division of Department of Environment & Forest, welcomed the Chairman and all the members. The Committee discussed about the following matters. The committee visited the Lakshadweep Agatti, Amini and Kadmath Islands during January, 2020. The following observations made:-

1. **Removal of damaged barges** :The Monitoring Committee to Advisor to Administrator found that a number of barges are lying in the seashore of Kadmat, Agatti etc, which required to be removed immediately. Further it is found that the Boya dump site of Harbour department shall be cleaned by the department. (Action: The DCE, Lakshadweep Harbour Works).
2. **Beach Pollution**:The Monitoring Committee reported that the Islanders are dumping garbage's in beach areas in the Islands of Kavaratti, Agatti and Amini. The Body directed Department of Environment & Forest to look after the matter and clean the area regularly. (Action: The Conservator of Forest, E&F).
3. **Rejuvenation of Water supply wells under RODP** :The Body directed Lakshadweep Public Work Department to rejuvenate all the water bodies in Lakshadweep Islands which are earlier utilized for drinkingwater supply to the household in Lakshadweep.(Action: The SE, LPWD)
4. **Removing of Bio-medical waste from Agatti beach** :The body directed the Director, Medical & Health Services to clean the premises dumped with Bio-medical waste in the eastern seashore side of Thaj Power House at Agatti Island. (Action: The Director, DMHS)
5. **Oil Pollution at Amini Island** :The Body directed the Electricity Department to make temporary arrangements to restrict the spill over from the barrels directly placed in the land at Amini Island (Action: The EE, Electricity)
6. **Bulk Generation of Waste**:The body directed the Department of Environment& Forest to inventories bulk generator of waste in all inhabited islands of Lakshadweep.(Action: The Conservator of Forest, E&F)

This is issued with the approval of Competent Authority.



(Dr. K. Syed Ali)
RFO & Head,

Policy & Legal Division

F.No.110/7/2019-E&F(P&L)

Dated 31.01.2020


To

1. All the Members concerned
2. The HOD's concerned for necessary action.

Copy to:

1. The PA to Hon'ble Administrator, UTL for kind information, please.
2. The PA to Hon'ble Advisor to Administrator, UTLA for kind information, please.

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Annexure - R-4

3rd Minutes of meeting in connection with State Level Special Task Force (STF) under Solid Waste Management Rule, 2016 dated 15/01/2020

The 3rd Special Task Force (STF) meeting conducted under the Chairmanship of Lekhraj, DANICS, Additional District Magistrate, UTLA, Kavaratti on 15th January, 2020 at 4.00 PM. The members who attended in the meeting are shown at Annexure -I

The Range Forest Officer & Head, Policy & Legal Division and Convener, Special Task Force (STF) welcomed the Chairman and STF members. The officer made detailed presentation on status and implementation of integrated waste management in respect of earlier meeting dated 24.09.2019 and the achievements thereafter up to 14th January, 2020..

After a detailed discussion of agenda points and action taken report, the STF has taken the following decisions.

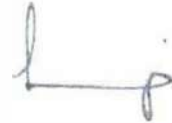
1. **Land for Incinerator facilities in islands:** No SDO/DC submitted land details for incinerator except Kadmat, Kavaratti, Agatti, Birra and Amini. The Ensys Technologies reported that 500 sq.m additional land require at Andrott immediately for construction of Chimney of the incinerator. The SDO, Andrott shall submit the details with sketch map of government land near to incinerator site immediately for further works (**Action: SDO, Andrott/ADM, Collectorate, Kavaratti**)
2. **Land for Bio degradable Waste disposal facilities in Islands:** The department requested SDO/DC in all islands to identify 2000 sq.m land in bigger islands (viz. Amini, Andrott and Minicoy) and 1500 sq.m land in smaller islands (Viz, Kadmat, Kalpeni, Chetlat and Kiltan) for the management of biodegradable waste vide minutes dated 24.09.2019. However, no peripheral units submitted require information except Kadmat. The State Level Advisory Body directed department to start door to door collection of waste with effect from 01st February, 2020. Action may be initiated by the SDO/DC in islands to procure land for the establishment of Biodegradable Waste disposal facilities immediately (**Action: DC/SDO's in all islands except Kadmat/ADM, Collectorate, Kavaratti**)
3. **Burning of waste in Islands:** It is noticed that the island viz. Kalpeni, Minicoy, Agatti, Chetlat, and Amini are not submitted ATR on burning of waste even after repeated reminder in the matter. The STF directed all the DC/SDO's in the above islands to submit the ATR immediately (**Action : DC/SDO's in the Islands of Kalpeni, Minicoy, Agatti, Chetlat and Amini**)
4. **Slaughter House waste disposal:** The STF noticed that the establishment of slaughter houses in all islands is pre requisite for the management of animal waste generated from the locality. No action plan is submitted by the concerned agencies as per the direction of STF in its meeting dated 24.09.2019. The Committee directed the concerned to submit detailed plan for the establishment of slaughter houses in each island before the next meeting (**Action: Director, Animal Husbandry/ EO, VDP, Kavaratti**).
5. **Awareness and Capacity Building among locals/tourists:** The department shall aware and educate tourists by providing paper/cloth bags in the entry points in all islands under integrated waste management (**Action: Director, Tourism, UTLA**)
6. **Sign Boards under Plastic Waste Management:** The LDCL/Director Port/Airport Authority of India, Agatti shall arrange to place sign boards showing single use plastics ban in all entry

- points as per Notification F.No. , dated 26.01.2019, immediately (Action: LDCL/Director Port/Airport Authority of India, Agatti).
7. **Capacity Building to Students in school:** The RFO & Head informed that awareness and capacity building to the students of Kavaratti and Agatti are completed. The committee directed to conduct awareness and education to the students at Andrott and Amini, considering the declaration of model islands (Action: RFO & Head, Environment Division, E&F/Principal in Concerned Islands/Director, Education)
 8. **Establishment of Sewage Treatment Plant:** The RFO & Head, Environment Division reported that the Expression of Interest (EOI) will be finalised at Kochi on 18th January, 2020. The committee directed to finalise the Detailed Project Report (DPR), immediately (Action: Conservator, E&F)
 9. **Establishment and Commission of Bio toilets in islands:** The committee directed the department of Science and Technology, UTLA to finalise the tender document under Bio toilets installation and commissioning at earliest (Action: Director, S&T).
 10. **Ban on Single Use Plastic in UTLA:** It is noticed that the peripheral units are not submitting ATR under ban on single use plastic as per the format supplied by District Collector, UTLA. The committee directed to submit ATR as per prescribed format to the Member Secretary, STF, immediately (Action: DC/SDO's in Islands).
 10. **Publication of NGT order in Local Language:** It is reported that IPR is not submitted Malayalam version of the NGT order till date. The Committee directed Director, IPR to submit the ATR, immediately (Action: Director, IPR, Kavaratti).
 11. **Incineration Ash:** The committee directed LPWD to collect incineration ash from the CGD for construction purpose (Action: SE, LPWD)
 12. **Refused Derived Fuel (RDF):** The committee noticed that Electricity department is not submitted the timeline action plan on RDF till date. The committee directed to submit the same, immediately (Action: The Executive Engineer, Electricity)
 13. **Oil spillage from Power Houses:** It is reported that severe oil spillage from barrels polluted the ground water near power house premises in the islands of Kadmat, Amini, Agatti and Kalpeni. The Executive Engineer, Electricity shall inspect and carry out remedial measures, immediately. An ATR in this regard shall submit to the committee before the next meeting (Action: The Executive Engineer, Electricity)
 14. **Renewable Energy alternate to fossil fuel:** The committee directed the electricity department to explore the possibilities to identify renewable energy sources viz. solar, wind, tidal etc. to replace the fossil fuel presently used by the department. An ATR of the same may be submitted before the next meeting. (Action: The Executive Engineer, Electricity)
 15. **Environmental Norms and implementation of Polluter Pay Principle:** The committee directed to submit full report of cost benefit analysis under Environmental norms as per Hon'ble NGT direction in OA No.606/2018, dated 14.05.2019 within 6 month from the date of issue of the order (Director, S&T/Member Secretary, LPCC)
 16. **Legacy Waste disposal:** The committee noticed that 10 lakh cement bags is dumped in the central garbage Depository in various Island. The committee directed the department to take

immediate action to dispose the legacy waste within two months period (Action: The RFO & Head, Policy & legal Division).

17. Door to Door Collection of Waste: The committee directed the department of Environment & Forest to start door to door collection of biodegradable waste with effect from 1st February, 2020. Also directed to purchase and supply 2 bins to all 11000 households remaining islands for collection and segregation of bio/non bio degradable waste (Action: The RFO & Head, Policy & legal Division).

This is issued with the approval of Competent Authority.



(Lekh Raj),
Additional District Magistrate &
Chairman, STF

F.No.110/9/2019-E&F (P&L), /u*

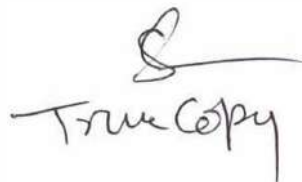
Dated 15.01.2020

To

1. All the members concerned
2. The HOD's concerned for necessary action.
3. The DC/SDO in Islands

Copy to

1. The PA to Advisor to Hon'ble Administrator, UT of Lakshadweep for kind information
2. The District Collector & Chairman, ODF for kind information
3. The PA to Secretary, Science & Technology for kind information
4. The PA to Secretary, Port, Shipping and Aviation for kind information



9/11/19

Minutes of meeting in connection with 1st District Committee to monitor environment norms on Solid Waste Management Rules, 2016 dated 09.12.2019 in Lakshadweep

The 1st District Committee to monitor Environmental norms meeting conducted in Secretariat Conference Hall (Ground Floor) on 09.12.2019 at 4.00 PM under the Chairmanship of Shri. Shiv Kumar, IAS, District Collector & District Magistrate and Chairman District Committee, UTLA, Kavaratti. The members who attended the meeting are shown at **Annexure -I**

The Range Forest Officer & Head, Policy & Legal Division and Member Secretary, District Committee to monitor Environmental norms, UTLA, Department of Environment & Forest welcomed the Chairman and committee members. The officer made detailed presentation on Hon'ble National Green Tribunal order and its implications which lead to the constitution of District Level Committee to prepare and implement environmental norms in UTLA vide notification dated 5th December 2019.

After a detailed discussion of agenda points and directions of Hon'ble NGT in OA No. 360/2018 and OA No. 710-713/2019, the the body have taken the following decisions.

1. Duties & responsibilities of departments assigned in thematic areas identified by CPCB, New Delhi.

The District Committee decided to implement the following thematic areas by the respective department is as follows:

- A. Waste Management Plan.
 - a) Solid Waste Management Plan : The Conservator of Forest, E&F
 - b) Plastic Waste Management Plan : The Conservator of Forest, E&F
 - c) C&D Waste Management Plan : The SE, LPWD
 - d) Bio Medical Waste Management Plan : The Director, DMHS
 - e) Hazardous Waste Management Plan : The Director, S&T
 - f) E-Waste Management Plan : The Director, IT
- B. Water Quality Management Plan : The SE, LPWD, UTLA, Kavaratti
- C. Domestic Sewage Management Plan : The SE, LPWD, UTLA, Kavaratti
- D. Industrial Waste Management Plan : The Director, Industries, Kavaratti
- E. Air Quality Management Plan : The Director, S&T, Kavaratti
- F. Mining Activity Management Plan : The AE, Harbour
- G. Noise Pollution Management Plan : The Director, S&T, Kavaratti

(Action by the concerned department)

2. **Timeline to submit Thematic Management Plan** : The District Committee unanimously decided that all the nodal agency shall submit their District Level Plan as per model plan provided by CPCB, New Delhi on or before 11th December, 2019 at 04.00 PM to the coordinating department (Dept. of Environment & Forest)

(Action : All the Nodal department identified by the District Committee as in para 1 of the minutes above)

3. **Constitution of Island Committee**: The District Level Committee decided to constitute Island Level Committee to prepare and monitor Island Specific Management Plan in respective Islands. The committee may be constituted with following members

a)	The DC/SDO in Island	Chairman
b)	The Chairperson, VDP	Member
c)	The Executive Officer, VDP	Member
d)	The CMO, CHL/PHC in Island	Member
e)	The AE, LPWD	Member
f)	The Officer in charge, S&T	Member
g)	The Officer in charge, IT	Member
h)	The Officer in charge, Industries	Member
i)	The AE/JE, Harbour-	Member
j)	The Officer in Charge, E&F	Member Secretary

(Action : DC/SDOs in Islands)

4. **Duties & responsibilities of Island Level Monitoring Committee on Environmental Norms**

- To prepare & submit specific Island Management plan in line with model plan of CPCB, New Delhi and submit to State Committee on or before 31st December 2019.
- The State Committee to endorse the plan and return to Island Level Committee for its implementation and monitoring
- The fund require for the implementation of the plan shall bear by the concerned implementing agency concerned

d) The Island Level Committee shall conduct meeting once in fortnight to review the plan progress

(Action: DC/SDO concerned)

5. Compiling District Level data and preparation of State Environment Plan (SEP): It is decided that the coordinating agency to compile the plan received from different agencies and prepare SEP on 12th & 13th December 2019. Also shall take the approval of the SEP from Chief Secretary on or before 14th December 2019. (Action: Conservator of Forest, E&F, Kavaratti)
6. Publication of District Committee Notification: It is decided that the Nodal agency shall publish the Notification in official website and copy send to CPCB, immediately (Action: Conservator of Forests, E&F, Kavaratti).
7. Submission of draft SEP to Chief Secretary : It is decided that the Nodal agency submit State Environment Plan (SEP) on or before 15th December 2019 to CPCB, New Delhi after getting required information from the nodal agency concerned (Action: Conservator of Forests, E&F, Kavaratti).

The body meeting ended with thanks to the chair.

This is issued with the approval of District Collector & District Magistrate, UTLA vide diary No. 2694, dated 09.12.2019

Shiv Kumar
(Shiv Kumar, IAS)
District Collector & Chairman


F.No.108/4/2019-E&F(P&L), Dated 09.12.2019

To

1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The PA to Advisor to Administrator, UTL for kind information, please.
2. The PA to Hon'ble Administrator, UTL for kind information, please


True Copy

Annexure - R-6

Minutes of meeting in connection with 2nd District Committee to monitor Environment Norms on Solid Waste Management Rules, 2016

The 2nd District Committee to monitor Environmental Norms meeting conducted in Secretariat Conference Hall (Ground Floor) on 23.01.2020 at 4.00 PM under the Chairmanship of Shri. Vijendra Singh Rawat, District Collector & District Magistrate and Chairman, District Committee, UTIA, Kavaratti. The members who attended in the meeting are shown at Annexure-I

The Range Forest Officer & Head, Policy & Legal Division and Member Secretary, District Committee to monitor Environmental Norms welcomed the Chairman and committee members. The officer made detailed presentation on State Environment Plan with respect to Hon'ble National Green Tribunal (NGT) order in O.A No. 360 of 2018.

After a detailed discussion of agenda points and directions of Hon'ble NGT in OA No. 360/2018 and OA No. 710-713/2019, the body have taken the following decisions.

1. **Finalization of minutes dated 09.12.2019** : The District Committee to monitor Environmental Norms approved the minutes dated 09.12.2019 and directed all implementing agencies to monitor and implement the actionable points made in the State Environment Plan as per timeline agreed by the Competent Authority. (Action: All implementing agency in UTIA under SEP)
2. **Constitution of Island Level Committee to monitor Environmental Norms**: The Committee directed all the DC/SDOs to constitute Island Level Monitoring Committee to monitor Environmental Norms as per the minutes dated 09.12.2019. (Action : The DC/SDOs in Islands)
3. **Preparation and submission of Island Environment Plan (IEP)**: The Committee directed to submit Island Specific Environment Plan to the Member Secretary District Committee for Environmental Norms on or before 10th February 2020. (Action : The DC/SDOs in Islands)
4. **Implementation of State Environment Plan**: The Committee directed all the peripheral unit to submit achievement/progress report on the implementation of State Environment Plan to the concerned implementing agency with copy to the Member Secretary, District Committee on Environmental Norms. (Action: The DC/SDO in Islands)
5. **Establishment of MRF/CGD for Integrated Waste Management** : The Chairman, District Committee directed the department to establish Central Garbage Depository for biodegradable waste and incinerator site by acquiring or lease land in all Islands on mission

- mode in consultation with the Collector, UTLA, Kavaratti. (Action: The Conservator of Forests, E&F/ADM, Collectorate)
6. **Establishment & Commissioning of Biomass Energy Plant :** The Chairman directed the department to look after the possibility to establish Biomass Energy Plant in the Island of Andrott for the viable utilization of coconut bi-product in Island. (Action: The EE, Electricity Department)
 7. **Implementation of ODF in UTLA :** The District Committee directed all DC/SDOs to implement the action against Open Defecation under Solid Waste Management Rule 2018. The fortnightly action taken report shall be submitted to the committee without fail. (Action: The DC/SDO's in Islands)
 8. **Disposal of Legacy Waste:** The Committee directed the Department of Environment & Forest to dispose the cement bags lying in the Central Garbage Depository in Island through registered recyclers available at mainland within a period of one month from the date of meeting. (Action: The Conservator of Forests, E&F, Kavaratti)
 9. **Purchase of closed vehicles for waste management:** The Committee recommended to purchase 18 Nos. closed vehicles under waste management to all the Islands of Lakshadweep and placed for its operation on or before 31st March 2020. (Action: The Conservator of Forests, E&F, Kavaratti).
 10. **Updating Solid Waste Management Bye-Law 2018:** The Committee directed to review and update the Solid Waste Management Bye-law 2018 by including user charges and bulk generator of waste as per the Hon'ble NGT order in O.A No. 606/2018. (Action: The Conservator of Forests, E&F, Kavaratti)
 11. **Plastic Waste Management Plan :** The Committee directed the department to prepare and submit a Plastic Waste management Plan for 5 years for the Union Territory of Lakshadweep before the next District Committee meeting (Action: The Conservator of Forests, E&F, Kavaratti)
 12. **Establishment of Linkages with PRO/EPR of producers :** The Committee directed the department to come with mutually agreeable conditions as per the guidelines of MoEF & CC for the establishment of linkages with PROs of producers/EPR under Plastic Waste Management Bye-law 2016. (Action: The Conservator of Forests, E&F, Kavaratti)
 13. **Establishment of Toll free number for citizen services :** The District Committee directed the department to provide toll free telephone numbers in all the Islands for citizen services under Integrated Waste Management in Lakshadweep. (Action: The Conservator of Forests, E&F, Kavaratti)

4. Establishment of linkages with authorized E-waste recyclers : The District Committee directed the department to make linkages with authorized E-waste recyclers to transport and dispose the E-waste generated in Island. (Action: The Director, S&T, Kavaratti)
15. Authorization of HCF's : The District Committee directed the department/occupier's to obtain consent for establishment and consent for authorization from Lakshadweep Pollution Control Committee immediately. (Action: The Director, DMHS/Occupiers of HCF/MS LPCC)
16. Procurement of colour bin for the collection and segregation of Bio-medical waste : The District Committee directed the DMHS/Occupiers of Bio-medical waste to procure and install colour coded bins in all the wards and waste generating centres in HCF's on or before 28th February 2020. (Action: The Director, DMHS/Occupiers of Bio-medical waste in UTLA)
17. Procurement of vehicle for Bio-medical waste transportation : The District Committee directed the department to procure and place closed vehicle for bio-medical waste transportation from HCF's to common bio-medical waste treatment facility on or before 31st March 2020. (Action: The DMHS, UTLA, Kavaratti)
18. Outsourcing of Bio-medical waste Management : The District Committee directed the department to outsource bio-medical waste management to the credible agencies on or before 31st March 2020. (Action: The DMHS, UTLA, Kavaratti)
19. Training to Medical/para medical staff : The District Committee directed the Member Secretary, LPCC to arrange 3 days training to all 47 HCF medical/para medical staff on or before 31st March 2020. (Action: The Director, S&T/MS, LPCC)
20. Inventories of contaminated hazardous waste sites in Islands : The District Committee directed the Department to make inventories on probable contaminated hazardous waste sites in Island and report the matter to the committee before the next meeting. (Action: The Director, S&T/MS, LPCC)
21. Authorization of hazardous waste dump site : The District Committee directed the Department of Electricity to submit the details of dump site utilizing for the storage of used oil generated from power plants in Islands. Also directed to utilize the same site for the storage of used batteries generated from different offices by observing codal formalities. (Action: The Executive Engineer, Electricity)
22. Inventory of E-waste : The District Committee directed the department to inventories the generation of E-waste in the Islands of Lakshadweep. (Action: The Director, S&T, Kavaratti)



23. Publication of air quality data : The District Committee directed the department to establish air quality monitoring stations and record data under Air Quality Management Plan. (Action: The Director, S&T, Kavaratti)
24. Establishment of noise measuring devices : The District Committee directed the department to establish noise measuring devices in all inhabited Islands of Lakshadweep. (Action: The Director, S&T, Kavaratti)
25. Awareness Creation /capacity building under noise pollution management : The District Committee directed the department to aware and educate the local stakeholders through capacity building and training programme under noise pollution management in Islands. (Action: The Director, S&T)
26. Display of signboards in all Islands : The District Committee directed the department to procure and place signboard under noise pollution management in all the inhabited Islands of Lakshadweep. (Action: The Director, S&T)
27. Creation of awareness on E-waste : The District Committee directed the Department to create awareness on E-waste handling and disposal in all inhabited Island under E-Waste Management Rule 2016. (Action: The Director, IT)
28. Awareness and creation on water quality management : The District Committee directed the department to create capacity building and awareness among stakeholders on water quality management in all Islands. (Action: SE, LPWD)
29. Action Plan preparing for rainwater harvesting : The District Committee directed the department to prepare and submit a timeline Action Plan on rainwater harvesting for the Union Territory of Lakshadweep on or before 10th February 2020. (Action: The SE, LPWD)
30. Establishment of Septage Treatment Plant : The District Committee directed the department to establish the Septage Treatment Plant at Kavaratti within 6 months. (Action: The Conservator of Forests, E&F)
31. Preparation of Oil Spill Disaster Contingencies Plan : The Chairman, District Committee directed to prepare and submit Oil Spill Disaster Contingencies Plan through Monitoring Cell to the Advisor to Administrator, UTLA, Kavaratti. (Action: The Conservator of Forest, E&F)
32. Creation of District Oil Spill Crisis Management Group : The District Committee directed the department to constitute District Oil Spill Crisis Management Group immediately. (Action: The ADM, Collectorate/Disaster Management Cell)

33. **Action on Open Burning** : The District Committee directed all DC/SDOs to strictly enforce the action against open burning under Solid Waste Management Bye-law 2018. The fortnightly Action Taken Report shall be submitted to the committee for its concurrence and approval. (Action: The DC/SDOs in Islands/PCC/District Collector, UTLA)
34. **Establishment of vehicle pollution check centres** : The District Committee directed the department to establish vehicle pollution check centres in all 9 Islands except Bitra on or before 31st March 2020 through outsource of services in Islands/mainland. (Action: The Director, Road Transport)
35. **Inventory of Industrial Waste Water Generation** : The District Committee directed the department to inventory industrial waste water generation in all inhabited Islands of Lakshadweep. (Action: The Director, Industries)
36. **Authorization of Industries** : The District Committee directed the department to take consent for establishment and consent for authorization from Lakshadweep Pollution Control Committee under Water Pollution and Air Act. (Action: The Director, Industries)
37. **Meeting** : The District Committee tentatively decided to convene 3rd District Committee meeting on 12th February 2020 to review the progress (Action: The MS, District Committee)

The Committee meeting ended with thanks to the chair.


 (Damodhar A.T.) IFS
 Secretary, Environment & Forest

F.No.108/4/2019-E&F(P&L).

Dated 28.01.2020

To

1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The PA to Advisor to Administrator, UTL for kind information, please.
2. The PA to Hon'ble Administrator, UTL for kind information, please


 True Copy

Annexure - R-7

- Training imparted to officials/workers under Integrated Waste Management for the period from 1.11.2019 to 31.01.2020.


Sl. No.	Name of Training	State Holders	Date Conducted	Resource Persons
1	Fundamental Training under Solid and Plastic Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisors at Kadmat Island	16.11.2019	Monitoring Committee members under Advisor to Administrator
2	Training under Integrated Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisor/nursing staff/monitoring Committee etc. at Amini Island	17.11.2019	Monitoring Committee members under Advisor to Administrator
3	Training under Integrated Waste Management Rule 2016	Swachh Karmacharis/Assessors/ Supervisor/nursing staff/monitoring Committee etc. at Agatti Island	19.11.2019	Monitoring Committee members under Advisor to Administrator
4	Training under Integrated Waste Management Rule 2016(Field training)	Swachh Karmacharis/Assessors/ Supervisor/nursing staff/monitoring Committee etc. at Agatti Island	09.01.2020 to 12.01.2020	Monitoring Committee members under Advisor to Administrator



- Capacity building/IEC to students/ Panchayat Raj institutions
Under Integrated Waste Management Rule, 2016.

Sl. No.	IEC program conducted	Stake holders	No of Participants attended (in Nos.)	Date	Resource Persons
1	Panchayati Raj Institutions	Village Dweep Panchayat, Kavaratti	15	14.11.2019	Monitoring Committee members with Climate Change Expert
2	Panchayati Raj Institutions	Village Dweep Panchayat, Kadmat	15	16.11.2019	Monitoring Committee members with Climate Change Expert
3	Panchayati Raj Institutions	Village Dweep Panchayat, Amini	15	17.11.2019	Monitoring Committee members with Climate Change Expert
4	Panchayati Raj Institutions	Village Dweep Panchayat, Agatti	15	19.11.2019	Monitoring Committee members with Climate Change Expert
5	IEC to students	Industrial Training Institute (ITI), Kavaratti	70	14.11.2019 (AN)	Monitoring Committee members with Climate Change Expert
6	Capacity building to HoDs	Head of Officials in UTLA at Kadmat	70	16.11.2019 (AN)	Monitoring Committee members with Climate Change Expert
7	Capacity building to HoDs	Head of Officials in UTLA at Amini	70	17.11.2019 (AN)	Monitoring Committee members with Climate Change Expert

8	Capacity building to HoDs	Head of Officials in U P A at Agatti	70	19.11.2019 (AN)	Monitoring Committee members with Climate Change Expert
9	Capacity building to NGOs, SHGs	SHGs, Kavaratti	15	14.11.2019	Monitoring Committee members with Climate Change Expert
10	Capacity building to NGOs, SHGs	NGOs/ SHGs, Kadmat	25	16.11.2019	Monitoring Committee members with Climate Change Expert
11	Capacity building to NGOs, SHGs	NGOs/ SHGs, Amini	25	17.11.2019	Monitoring Committee members with Climate Change Expert
12	Capacity building to NGOs, SHGs	NGOs/ SHGs, Agatti	25	19.11.2019	Monitoring Committee members with Climate Change Expert
13	IEC to students	GrSSS, Agatti	100	10.01.2020	Monitoring Committee members
14	IEC on Biodiversity Conservation	Panchayati Raj Institutions officials, Agatti	12	11.01.2020	Monitoring Committee members


True Copy

Annexure - R-8

Annexure

Training imparted to the Officials of UT of Lakshadweep Administration and Local Body on various Waste Management Rules, 2016


Sl No	Island	Date	Resource Person
1	Kavaratti	15.07.2019	1. Dr K.Sajeevan, Former Chairman, Kerala State Pollution Control Board 2. Shri M.A.Baiju, Chief Environmental Engineer, Regional Office, Ernakulam, Kerala SPCB
2	Agatti	15.07.2019	Smt. S.Sreekala, Member Secretary, Kerala State Pollution Control Board
3	Androth	26.07.2019	Shri Alexander George, Environmental Engineer, Kerala SPCB
4	Kalpeni	26.07.2019	Shri Arthur Xavier, Environmental Engineer, Kerala SPCB
5	Minicoy	25.07.2019	Shri Baburajan P.K, Chief Environmental Engineer, Head Office, Thiruvananthapuram, Kerala SPCB
6	Amini	14.01.2020	Dr K.Sajeevan, Former Chairman, Kerala State Pollution Control Board
7	Kadmath	15.01.2020	Dr K.Sajeevan, Former Chairman, Kerala State Pollution Control Board
8	Kilthan	16.01.2020	Dr K.Sajeevan, Former Chairman, Kerala State Pollution Control Board
9	Chetlat & Bitra	29.01.2020	Dr K.Sajeevan, Former Chairman, Kerala State Pollution Control Board


 Member Secretary, LPCC

To

Conservator of Forests,
Department of Environment & Forests,
Kavaratti

Copy to PA to the Advisor to the Hon'ble Administrator, UT of Lakshadweep for information


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Annexure - R- 9

**Performance Audit of Lakshadweep Pollution Control Committee by CPCB
with time line action plan**

Sl No.	Weakness/Challenge shown by CPCB	Current status	Desired level to be achieved	Time line to be completed
1.	LPCC does not have dedicate staff and office	Department of Science & Technology has provided a separate room for the function of LPCC. A proposal has formulated to submit CPCB for sanction the manpower (Copy enclosed)	Independent administrative powers to perform the mandate of Air and Water Act	Proposal to CPCB will be submitted by February, 2020
2	No consent management mechanism in place	Consent mechanism under place. LPCC has already issued one consent and two is under finalization	Fulfilled	NA
3	No separate expenditure account	Attached with Science & Technology	Independent status with separate Grant-in Aid for Department of S&T	April, 2020
4	Technical and Scientific staff recruitment	LPCC has sanctioned 5 technical post of Laboratory for water quality analysis. 4 post is vacant and 1 is filled. Action is in progress for filling up of vacant post	Require to post sufficient technical and scientific staff for carrying out the mandate of Water, Air and E(P) Act.	A proposal has formulated to submit CPCB for sanction the manpower by February, 2020. Meantime propose to recruit the essential staff on contract basis by October, 2020
5	Upgrade the ambient air quality monitoring system by introducing PM 2.5 and other gaseous sampling	At present monitoring PM 10 at Kavaratti under NAMP.	Propose to expand monitoring the PM 2.5 and gaseous sampling at Kavaratti	April, 2020
6	Annual Report of Bio Medical Waste and	Submitted 2016-17 and 2017-18, 2018-19	No action required. LPCC	As prescribed in the various Rule


	Plastic Waste was not submitted in time		submit the Annual report in time	
7	There is no biomedical treatment facility in any of the hospitals in any island	Deep burying is common practice and supply order issued for autoclave, shredder, needle destroyer etc. Incinerator at Kavaratti is in operational and under installation in the remaining islands	Required facilities for the disposal of treatment of waste is to be established	Facilities other than incinerator by February, 2020
8	LPCC should upgrade their laboratory including obtaining accreditation under NABL and MoEF & CC	LPCC has only C-Grade laboratory	Action initiated Upgradation with accreditation under NABL and MoEF & CC	March, 2020
9	Capacity building to officials	Training programme completed in all islands	Capacity Building programme at regular intervals	
10	Dedicated website of LPCC	Website is prepared by NIC and invited the quotation for security auditing from the empanelled agency NICS/CERT-IN.	Data management for LPCC	February, 2020


Member Secretary, LPCC

To

Conservator of Forests,
Department of Environment & Forests,
Kavaratti

Copy to PA to the Advisor to the Hon'ble Administrator, UT of Lakshadweep for information


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C/243

SI. No. 1151

Annexure R-10

MOST URGENT / COURT MATTER

भारतसरकार / GOVT. OF INDIA
 लक्षद्वीप संघ राज्य क्षेत्र प्रशासन / U.T. of LAKSHADWEEP ADMINISTRATION
 पर्यावरण एवं वन विभाग / Department of Environment & Forest
 कवरत्ती द्वीप / Kavaratti Island - 682555
 E-mail: lak-def@nic.in; lk-efpolicy@gov.in Ph : 04896 262592

F.No. 108/4/2019-E&F (P&L) / 1211

दिनांक: 19.12.2019

To

The Member Secretary
 Central Pollution Control Board
 Ministry of Environment, Forest & Climate Change
 Parivesh Bhawan, C.B.D-cum Office Complex
 East Arjun Nagar
 Delhi- 110 032.

Sub: - Hon'ble National Green Tribunal's order dated 26.09.2019 in the matter in OA No 360 of 2018-Submission of State Environment Plan- Reg;

Ref: - 1) Hon'ble NGT order in OA No.360 of 2018 dated 26.09.2019
 2) Letter F.No.B-31011/2019/WMD-1/8422, dated 01.11.2019.

Sir,

I am directed to inform that the UT administration constituted District Committee as per notification F.No.108/4/2019-E&F (P&L) (1), dated 05.12.2019 and a copy is enclosed herewith.

The State Level Advisory Body under Advisor to Administrator convened its 9th meeting on 17th December, 2019 and finalised the State Environment plan prepared by the department. A copy of the approved State Environment Action Plan is enclosed herewith.

Considering the single district Administration, the District Committee uploaded State Environment Plan (SEP) in the Lakshadweep Website (<https://lakshadweepgov.in>) as per the letter shown at reference 2nd cited above.

This is issued with the approval of Advisor to Administrator, UTLA vide Diary No. 3220, dated 18.12.2019.

Yours faithfully,

Encl: As above.

(A.C. Abdul Jabbar)

RFO & Head, Policy & Legal Division

Copy to:

- 1) The PA to District Collector, UTLA, Kavaratti for his kind information, please.
- 2) The PA to Advisor to Administrator, UTLA, Kavaratti for his kind information, please
- 3) The PA to Hon'ble Administrator, UTLA, Kavaratti for his kind information, please

बिबि/11/2019
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Annexure - R-11

Minutes of the Meeting of the State Advisory Committee constituted to implement the Biomedical Waste Management Rules 2016 held under the chairmanship of the Secretary (Health) on 15.01.2020 at 4.00 pm

Meeting of the State Advisory Committee constituted to implement the Biomedical Waste Management Rules 2016 in the UT of Lakshadweep was held on 15.01.2020 at 4.00 pm under the chairmanship of the Secretary (Health), UT of Lakshadweep in the chamber of the Secretary (Health). The following officers were present in the meeting.

1. Dr S Sundaravadivelu IAS : Secretary (Health)& Chairman (SAC)
2. Damodar A T IFS : Conservator of Forests, E & F & Secretary (AH)
3. Dr M K Mohammed Aslam : Director (Health Services)& District Health Officer
4. Shri P Pookoya : Member Secretary LPCC& Director (S & T)
5. Dr Suresh Kumar M : Joint Secretary, IMA – Kerala State Branch
6. Dr Sabitha F Hassan : Specialist (Public Health)& Nodal Officer (BMWM)

At the outset, Dr S Sundaravadivelu IAS, Secretary (Health) and the Chairman of the Committee welcomed the members, Dr MK Mohammed Aslam, Director Health Services, briefed the context of the meeting. The Chairman of Committee directed to present the status of implementation based on the Action Plan and as per the requirements under the Biomedical Waste Management Rules 2016. Accordingly, Dr Sabitha F Hassan, Specialist (Public Health) and Nodal Officer (Biomedical Waste Management) presented the current status towards the implementation of the Biomedical Waste Management Rules 2016 in the islands of UTL.

After detailed deliberations, the Committee decided the following considering the administrative and other constraints and feasibility of implementation of the decisions in a time bound manner in the islands of UTL.

1. Authorization of Health Care Establishments: it was informed that out of 34 Health care Facilities under Department of Health Services 27 have applied for the authorization. The chairman directed to obtain the application for authorization in the prescribed format from the remaining health care facilities in a time bound manner. The Chairman of the committee directed to issue instructions to the concerned Officers to submit the same within 7 days. The

Member Secretary LPCC informed that notice has already been issued to the Private health facilities who have not yet applied for authorization with the LPCC. It is also informed that the Authorizations will be issued only after setting up of all the necessary facilities in Health Care establishments.

(Action: Dept of Health, UTL and LPCC)

2. Commissioning of Incinerators in the islands of Lakshadweep: The Secretary (E & F) & Conservator of Forest informed that the incinerator at Kavaratti has been commissioned and the commissioning and inauguration of incinerator at Agatti will be completed by next week; and the installation of incinerator at Minicoy, Androth and Amini has started and is expected to be completed by 31st March 2020.

(Action: Dept. of E&F)

3. MoU / Linkage with IMAGE: The Committee unanimously decided to proceed with MoU / Association with IMAGE for continuous and uninterrupted supply of consumables with barcode and other items including Barcode Reader in required quantities for Biomedical Waste Management and also for the final disposal of Red, Blue and White category of Biomedical Waste. The Department of Health Services shall write to the Secretary IMAGE in this regard. Required guidance and support if any needed may be provided from the Lakshadweep Pollution Control Committee.

(Action: Dept of Health, UTL and LPCC)

4. Implementation of Barcode System: The Member Secretary, LPCC has informed that already a letter was sent to CPCB for clarification on implementation of Bar code in Lakshadweep islands and also providing the training to the concerned officials. Based on the discussions held, the Committee decided that manual log book for biomedical waste generated, treated and disposed of; category wise, shall be maintained by the health care establishments till the Barcode system is in place and also the department should speed up the process for getting the Barcode System with the help of IMAGE. Instructions may be issued to all concerned accordingly.

(Action: Dept of Health/Dept of Animal Husbandry)

5. Supply of Colour Coded Bins and Bags and other items: As per the requirements under the Biomedical Waste Management Rules 2016, **Segregation** of the waste generated based on colour coding is the first and most important step. The Medical Superintendent IGH Kavaratti and the Medical Officer in charge in other islands shall ensure that the items already indented are received in their respective islands before 31st January 2020 without fail. The Animal Husbandry Department shall also purchase the items for management of BMW in their establishments

(Action: MS IGH & MO i/c/Animal Husbandry)

6. Establishment of Effluent Treatment Plant in Health Care Establishments of Lakshadweep: Department of Health Services shall put up proposal for Expression of Interest for setting up of Effluent Treatment Plant for the Health Care Establishments in the islands of UTL.

(Action: Dept of Health/Animal Husbandry, UTL)

7. Engagement of Human Resources exclusively for Biomedical Waste Management: Biomedical Waste Management is a continuous process and requires exclusive and dedicated manpower in the Health Care Establishments for the smooth and uninterrupted collection, transportation and disposal of all untreated biomedical waste within 48 hours. Therefore, the committee recommended for deployment of trained Biomedical Waste Handlers in all islands.

(Action: Dept of Health/Animal Husbandry, UTL)

8. Creation of a Biomedical Waste Management Cell: The implementation of Biomedical Waste Management Rules 2016 and the orders of the Hon'ble National Green Tribunal issued from time to time require urgent and time bound actions. Therefore, the Committee recommended creating a Biomedical Waste Management Cell at the Directorate of Health Services and deploying one Administrative Assistant cum Accountant at the Cell to assist the Nodal Officer.

(Action: Dept of Health, UTL)

9. Final Disposal of Red, Blue and White Category of Biomedical waste: The Committee has decided to write to the Secretary IMAGE to examine the feasibility of final disposal of the treated Red, Blue and White category of Biomedical Waste generated in the islands of UTL.

(Action: Dept of Health UTL and LPCC)

10. Depute a team of officers to the IMAGE CBMWTF: Based on the discussions held, the Committee recommended to depute the nodal officers from the concerned departments to IMAGE, Common Biomedical Waste Treatment Facility at Kerala for sensitization and better clarity on the implementation of the Biomedical Waste Management Rules.

(Action: Dept of Health, UTL/Animal Husbandry, E&F and LPCC)

11. Maintenance of slaughter houses: The Committee has decided that the Department of Animal Husbandry shall issue directives to ensure that the animals are slaughtered and wastes disposed as per rules. Animal Husbandry department shall take necessary actions to comply with the Biomedical Waste Rules in its Health Care Facilities.

(Action: Secretary Animal Husbandry, UTL)

The meeting ended at 6.00 PM with thanks to the chair.

This issue with the approval of the Chairman (State Advisory Committee) vide diary No. 104 dated: 23.01.2020.

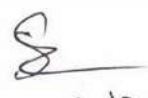

DR M K MOHAMMED ASLAM
DIRECTOR (HEALTH SERVICES)

To

All concerned.

Copy to

1. PA to the Hon'ble Administrator, UTL for kind information
2. PA to the Advisor to the Administrator, UTL for kind information
3. PA to the Secretary (Health), UTL


True Copy

MINUTES OF THE DISTRICT (ISLAND) MONITORING COMMITTEE FOR BIOMEDICAL WASTE MANAGEMENT RULES 2016, CONVENED IN THE CHAMBER OF MEDICAL OFFICER IN CHARGE (MEMBER SECRETARY) IN THE CHAIRMANSHIP OF SUB DIVISIONAL OFFICER, KALPENI AT 4 PM ON 08/11/2019.

The following members were participated in the meeting.

- | | |
|---|------------------|
| 1. Shri. M.K. Cheriya koya, SDO, Kalpeni | Chairman |
| 2. Shri. Koya. AE, LPWD In Charge | Member |
| 3. Dr. K. Akber, VAS, | Member |
| 4. Shri. K.P.Ali, EO. (VDP) | Member |
| 5. Smt. Saifunnisa, Representative of. E & F | Member |
| 6. Smt. Nahsana. A.T. Representative of, LPCC | Member |
| 7. Dr. M.C. Mohammed, MO IC | Member Secretary |

The member Secretary welcomed the chairman and the members and briefed regarding present scenario of generation, segregation and disposal of bio medical waste and shortage disposal facilities. The bio medical wastes are segregated from the generation site itself using separate colour coded baskets. The human waste (Placenta), items contaminated by blood and body fluids, disposed by deep burial and other items not contaminated with blood and body fluids are disposed by burning. The plastic bottles, glass bottles and other plastic items are transported to mainland through help of Environment & forest Department/science & technology Department. The burnt needle tips are stored after chemical sterilization. The committee also noticed that the facilities for disposal of Biomedical wastes are not sufficient hence the committee unanimously taken the following decisions.

1. The committee authorized the medical officer to take necessary steps to procure, **Incinerator 20 Kg capacity, Bio medical autoclave of 10 kg capacity** two numbers without any delay to avoid interruption in disposing Bio medical waste management. The committee also suggested to facilitate a Shredder unit to Primary Health Centre to reduce the volume of waste so as to transport waste easily.
2. Medical officer in charge informed to the committee members regarding the identification of intermediate storage site in the premises of PHC which is till pending in LPWD department. In this regard the committee has identified old incinerator room in the hospital compound for temporary storage site till the permission for construction of the permanent structure from the SE LPWD. Kavaratti. Assistant engineer ELE & LPWD is agreed to carry out the maintenance works, electrical and water connections to available site in war foot manner.

P.T.O

3. Executive officer VDP has ensured to provide all necessary helps in consultation with Village Dweep Panchayat for strengthening Bio Medical Waste Management.
4. The representatives of Environment & forest department ensured to collect and transport all plastic waste generated in PHC in specific time of interval.
5. The Chairman suggested to expedite the procurements colour Coded Bins, Bags and other items etc for proper functioning of Bio Waste Management.
6. The committee also suggested to conduct awareness campaign/ Training to Health-related staff about proper management of Bio Medical waste

The ended with thanks to the chairman and the members at 5 pm.


DR M C MOHAMMED
MEMBER SECRETARY, BMWWM


M K CHERIYA KOYA
CHAIRMAN, BMWWM



OFFICE OF THE MEDICAL OFFICER IN CHARGE, PHC, CHETLAT &
MEMBER SECRETARY, ISLAND LEVEL MONITORING COMMITTEE FOR
BMWWM -RULES 2016

F No. 2/4/19/2019 PHC-CHT

Dated: 19.11.2019

Ref: F.No. LD-03003/1/2017-LPCC-UT-LKS(I) dated 12.09.2019

Minutes of the first meeting of Island Level Monitoring Committee for BMWWM Rules 2016 held in the chamber of member secretary on 19.11.2019 4:30 pm.

At the outset of Dr. Mohammed Khaleel khan Medical officer in charge, PHC, the member secretary of the committee welcomed all the members to the meeting and explained about the terms of reference.

All the member unanimously decided to request the authorities to arrange sensitization training on BMWWM rules and processes to all the committee members as well as the whole staff of all HCF at Chetlat.

All the HCF may be issued notice to submit all the records and registers for verification in the next meeting.

The committee authorized Health Inspector Shri. HM. Abdul Shukoor to daily inspect and monitor the BMW treatment and disposal facilities where the BMW is treated and disposed off. He may report to the committee.

The committee reviewed the progress of various stakeholders department involved in the implementation of BMWWM rules and found out that all the departments have to complete the authorisation process at the earliest in the consultation with their HOD and with the help of PWD. All

the departments should also procure all the equipments and other articles as required by the BMW rules 2016 at the earliest.

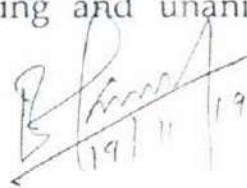

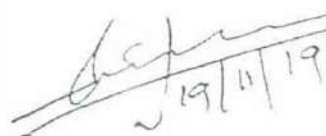


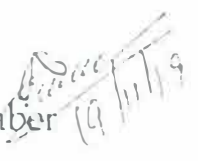
All the departments may find out place for deep burial in consultation with their HOD/ Revenue department.

All concerned departments (HCF) may make arrangements for safe transport of BMW as per the existing rules.

Regarding the members of the Island Level Monitoring Committee, a representative of IMA Kerala Chapter could not be included as no such member is available locally and as no information is available regarding LPCC Chetlat unit, the OIC of Science & Technology unit is included as member.

The meeting concluded at 5:30 pm.

The following members attended the meeting and unanimously approved all above decisions.

1. Shri. Kunhiseedikoya, SDO- Chairman 
2. Shri. Abdul Rahman, AE, PWD- Member
3. Shri. Ashraf, Farm Manager representing VAS as VAS is on leave - Member 
4. Shri. Abusalih, Exicutive officer, VDP- Member 
5. Smt. Halima, Representative of Dept of E&F- Member 
6. Smt. Mubashira, OIC of S&T in place of LPCC representative- Member 
7. Dr. Mohammed Khaleel Khan, Medical Officer In Charge- Member secretary. 



OFFICE OF THE
MEDICAL OFFICER IN-CHARGE
COMMUNITY HEALTH CENTRE
ANDROTH-682551

F.NO:2/18/2019-CHC-DP (AND) / 800

DATED: 05.12.2019

To,

The Director of Health Services
U T Of Lakshadweep
Kavaratti

Sub: CHC(AND)- District/ Island level monitoring committee for waste management rule 2016
constituted Reg

Ref: Letter, F.NO:1/4/2019-DHS/BMWM, Dated: 5.11.2019

Sir,

As per the reference cited above, Community Health Centre Androth conducted a meeting with seven members as said in ref cited above. Along with the Medical officer In-charge (Member secretary) all the other members are attended in the meeting on 28.11.2019 at 12PM on CHC and also discussed about waste management rule 2016. The minutes of the committee is hereby submitted for kind reference *further action.*

Your's faithfully,

DR. P. SAYED KOYA. SR. CMO (SAG)
MEDICAL OFFICER IN-CHARGE

**MINUTES OF THE MEETING OF ISLAND LEVEL MONITORING COMMITTEE FOR BIOMEDICAL WASTE
MANAGEMENT HELD ON 28.11.2019 AT 12PM IN CHC ANDROTH**

The first meeting of the island level committee for Biomedical waste management is held on 28.11.2019 in the chamber of medical officer in-charge, CHC Androth (The member secretary) under the chairmanship of Sub Divisional officer Androth island. The following members are present in the meeting.

- | | |
|--|--------------------|
| 1) Shri A.P. Attakoya, SDO Androth | - Chairman |
| 2) Smt. Khamarban, Assistant Engineer, PWD, i/c | - Member |
| 3) Smt. Rameesa, Veterinary assistant surgeon | - Member |
| 4) L.P. Hamsakoya, EO i/c, Village (dweep) panchayath | - Member |
| 5) Smt. Farsana Beegum.P, Range forest officer, i/c | - Member |
| 6) Smt. Farsana Beegum.P, Technical assistant, S&T, Representative of LPCC | - Member |
| 7) Medical officer in-charge, CHC Androth | - Member Secretary |

The Medical officer in-charge CHC Androth given a short details about the various biomedical wastes generated at CHC Androth. The Biomedical wastes are generated presently from the following area vice- Labour room, dressing room, nursing stations, lab and immunization rooms. General wastes are generated from OPD and IP sections.

This CHC is facing must difficulties for disposing biomedical wastes generated daily and the committees discussed the various problems in detail and arrived to the following decisions.

- 1) Grass roots level training is required for all staffs of the CHC for which an expert may be deputed to CHC, Androth.
- 2) Due to non-availability of incinerator, yellow category wastes and other general wastes like paper etc are disposed of by burning only. Burying method is not possible since the available lands in and around the CHC has already utilized for deep burial purpose and no more space is available. Therefore the committee suggested to purchase a land by the department if possible in a place where houses and general public are less, an incinerator may be supplied early.
- 3) Due to non-availability of autoclave or microwave for the treating purpose of other Biohazard waste, presently in CHC such wastes are treating with disinfectant like bleaching powder and there after transporting and dumping into the common dumping area under E & F department which is not a proper way of disposal.
- 4) No room / space is available in the present CHC building for intermediate storage of waste generated, but land acquired earlier outside the compound wall in southern side of CHC is available and matter discussed with Assistant Engineer, PWD Androth for a construction of small room. Matter may be taken up with SE PWD Kvt at Directorate level.
- 5) Consumable/ other items for BMWM sanctioned to CHC Androth are not yet received and hence facing much difficulties. All the items may be made available at the earliest.

The meeting ended at 1PM following the oath of thanks by Mr. Mohammed Nizamuddeen. C. N, Biomedical Technician.

Sub Divisional officer, Androth
Chairman

Medical officer in-charge
Member secretary

SUB DIVISIONAL OFFICER
ANDROTH
DIST OF LAKSHADWEEP
PIN 744001



GOVT. OF INDIA
LAKSHADWEEP ADMINISTRATION
Community Health Centre,
Amini Island-682552
e-mail: aminichc@gmail.com
Phone: 08991-272414, 271532

F.No.19/02/2019 -BMWS(MOAMN)

/817

dated 01/01/2020

To

The Director
Health Services
U T of Lakshadweep
Kavaratti.

Sub : Minutes of the meeting of District level monitoring committee for Bio
medical waste Management Rules 2016 -Regarding .

Sir,

The Minutes of the meeting of District level monitoring committee for Bio
medical waste Management Rules 2016 is enclosed ^{herewith} for further action.

Yours faithfully

Medical Officer In-charge
(Dr NS. Kadeeja SMO)

Minutes of the meeting of District Level Monitoring Committee for Bio Medical Waste Management
Rules 2016 Amini convened on 21.11.2019.

The meeting chaired by Sub-Divisional Officer Amini, Chairman of the committee at the chamber of MOIC Amini on 21.11.2019 has taken the following resolution.

1. The main source of bio-medical waste is hospital . There is no facilities available at hospital for proper implementation of the rule. Hence decided to ask higher authorities to provide the following facilities.
 - 1 Incinerator
 - 2 Auto-clave
 - 3 Hypo chloride solution
2. For the proper implementation of the rules, a Bio-Medical Waste Management plant is needed. There is no land available for the purpose. Hence the decision taken to accord permission from higher authorities to acquire 500sqm land for installation of Incinerator and for constructing concrete pit, deep burial pit etc.
3. The decision is taken to ask higher authorities to facilitate transportation of recyclable bio-medical waste (IV Bottle, catheter, syringes, tubes etc.) after disinfection to the mainland in collaboration with a registered firms for collecting bio-medical wastes at mainland.
4. Decided to ask sufficient funds to be provided to the Hospital management Society Amini for the proper and effective implementation of the rules.

The following committee members attended the meeting.

- | | |
|---|------------------|
| 1. Shri. C N Ukkas, (Sub-Divisional Officer) | Chairman |
| 2. Dr.Kadeeja NS, SMO (Medical Officer In-charge) | Member Secretary |
| 3. Shri. Nasar K (for Veterinary Asst. Surgeon) | Member |
| 4. Shri. Muthukoya, (Executive Officer, VDP) | Member |
| 5. Smt.Sajitha P (Environment Assistant) | Member |
| 6. Smt.Beegum Shebna (OIC, S7T Amini) | Member |

Shri. C N Ukkas
Chairman,

DLM Committee for BMW Rules 2016

Dr.Kadeeja NS, SMO
Member Secretary

DLM Committee for BMW Rules 2016



**OFFICE OF THE
MEDICAL OFFICER IN CHARGE
COMMUNITY HEALTH CENTER
KADMAT**

F.NO. 19/2/2015-MO KDM(PH)

Dated. 07.01.2020

Minutes of the Island level Biomedical waste management monitoring Committee meeting held on 16.12.2019 at Community health centre Kadmat.

The Island level biomedical waste management monitoring committee meeting was held in the chamber of medical officer in charge on 16.12.2019 at 3.30 PM under the chairmanship of Sub divisional officer.

The following officers were present in the meeting.

1. Shri. Moosa. N C , Sub Divisional officer
2. Dr. Abdul Rahiman . T K , Medical officer in charge
3. Shri. Omer shareef , Assistant Engineer PWD
4. Dr. Saleena. T P , Veterinary assistant surgeon
5. Shri. Mohammed , Range forest officer
6. Shri. Hamzath. M , Executive officer VDP

The meeting was conducted as per the direction of Director Health service vide letter F.No. 01.04.2019 DHS (BMWM) dated 5.11.2019 to monitor the biomedical waste treatment and disposal at Kadmat in compliance of the provision of BMWM Rule 2016 and to discuss the issues related to it.

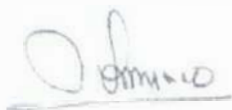
At the outset the chairman welcomed the participant and permitted the medical officer in charge to brief the details about the biomedical waste and its management. The medical officer in charge had a details description about the type of BMW generated from various unit of CHC and facilities available presently and mode of its disposal. He pointed out that the facility has colour coded bags , bin and needle destroyer etc but there is only one open burning pit available for burning the general as well as soiled waste . There is no incinerator available near by CHC and also no working public incinerator under the Science and technology Department. No processing and recycling unit available in the Island . One incinerator was supplied by the medical department around 8 years back but it could not be installed at Kadmat due to public protest . CHC being in the midst of highly populated residential area public don't want to see the machine working in their area and they say it is

hazardous to their health. Due to the above reason the waste products are dumped the intermediate waste collection unit in the back side of the hospital. The science and technology department also not co operating to transport and dispose the waste as they are not permitted to take the hospital generated waste. Presently what we are doing is, transporting and dumping the waste to a land owned by the medical department, where there was an isolation ward some 40 years back. Veterinary assistant surgeon also demanded to deal the BMW generated in their unit along with the hospital waste.

After the details discussion the members paid a visit to various unit of hospital and also the intermediate waste collection unit.

The following suggestion were made by the committee for placing before the higher authorities to resolve this present issues.

1. One incinerator to be installed here the CHC after getting consent from neighbors and public.
2. Required number of staff shall be posted for waste collection, transportation and treatment.
3. Required item to be purchased immediately under this BMWM Scheme.
4. Medical department shall make a permanent system for transporting the plastic and other recyclable item to mainland as there is no processing and recycling unit available in this Island.
5. Till a permanent solution in made, an interim arrangement shall be initiated in co-ordination with science and technology department to collect and transport the plastic, rubber and other recyclable items from hospital on regular basis. Director, Health service shall give necessary direction to Science and technology department for the above effect.



MOOSA, N C
SUB DIVISIONAL OFFICER
SUB DIVISIONAL OFFICER
KADMAT LAND
UT OF LAKSHADWEEP



DR. T K. ABDUL RAHIMAN
MEDICAL OFFICER IN CHARGE
CHC KADMAT
MEDICAL OFFICER IN CHARGE
COMMUNITY HEALTH CENTRE
KADMAT ISLAND-552 556
LAKSHADWEEP

Copy to: 1. Sub Divisional Officer Kadmat
2. Director Health service, Kavaratti
3. Environment Warden/Range forest Officer, Kadmat

1st Minutes of meeting in connection with District Level Monitoring Committee (DLMC) on Bio-Medical Waste Management dated 23.12.2019 at Kavaratti Island.

The 1st District Level Monitoring Committee (DLMC) meeting conducted in the meeting room of Directorate of Medical & Health Services, Kavaratti on 23.12.2019 at 11.00 AM under the Chairmanship of Shri. T. Kasim, Deputy Collector & Chairman, DLMC, Kavaratti. The members who attended in the meeting are shown at **Annexure-1**.

The RFO & Head and Member Secretary, Monitoring Cell to Advisor to Administrator, welcomed the Chairman and DLMC members and briefed the present status of Bio-Medical Waste Management at Kavaratti Island. The Kavaratti Island has a total of 7 HCF's/Veterinary unit/Ayush institution/Private HCF/ Pharmacies, which are generating bio medical waste in island.

After a detailed discussion on agenda points, the committee taken the following decisions.

1. **Inventory of Waste Generation:** - The committee directed all HCF's to submit their Bio medical Waste generation/day as per Biomedical Waste Management Rule, 2016. The proforma for the same will be issued by the Monitoring Cell concerned (Action: Junior Consultant, Monitoring Cell/Occupiers of Bio medical waste concerned).
2. **Facilities to Manage Waste in HCF's/Occupier:** - The Committee directed the occupiers/HCF's to submit the facility/facilities available for collection, segregation, transportation, storage and treatment in each unit as per Biomedical Waste Management Rule, 2016. The proforma for the same will be issued by the Monitoring Cell concerned (Action: Junior Consultant, Monitoring Cell/HCF/Occupiers concerned).
3. **Transfer of Land Survey No.972 to Medical Superintendent:** The committee directed the RFO & Head, Policy & Legal Division to handover 1200 sq.m land available with Environment department to Medical Superintendent, IGH, Kavaratti for the management of Bio medical waste in Island (Action: The RFO & Head (P&L)/Medical Superintendent, IGH, Kavaratti)
4. **The Establishment of Intermediate Storage Facilities:** - All the HCF's/Occupiers at Kavaratti Island shall ensure Intermediate Storage Facilities in the institution premises within a period of three months. (Action: All the HCF's/Occupiers concerned).
5. **Incineration & disposal facilities under Bio-Medical Waste Management:** - The District Level Monitoring Committee recommended to establish a Common Bio Medical

H. Kasim
23/12/19

Waste Treatment Facility (CBMWTF) for the management of bio-medical waste at Kavaratti Island under Bio-Medical Waste Management Rule, 2016 (Action: State Advisory Body under BMWM Rule, 2016).

6. **Training & Capacity Building** - The Committee directed all the HCFs/Occupiers to identify and submit the staff details who are working under Bio medical waste management stream in each unit. Also submit the requisition for training under Bio medical Waste Management to the Monitoring cell, UTLA, Kavaratti. The proforma for the same will be issued by the Monitoring Cell concerned (Action: Monitoring Cell/All the HCF's/Occupiers concerned)
7. **Capacity Building** - The HCF's/Occupiers shall arrange capacity building/ Awareness activities etc. among the major stakeholders under Information, Communication and Education (ICE) module developed by Central Pollution Control Board, New Delhi (Action: Medical Suprintendent, IGH, Kavaratti/HCF's/Occupiers concerned)
8. **Establishment of Slaughter Houses**: The Committee opined that a well-established scientific slaughter house is need of the hour at Kavaratti for the management of animal slaughtering in island (Action: Director, Animal Husbandry/ Member secretary, LPCC, Kavaratti)

The meeting ended at 5.30 PM with thanks to the chair.

(T.Kassim)

Deputy Collector & Chairman, DLMC

F.No.66/21/2018-E&F(P&L),

Dated 23.12.2019

To

1. The Committee Members concerned.
2. The Implementing agencies under Bio Medical Waste Management Rule, 2016.

Copy to

- 1) The PA to Hon'ble Administrator, UTLA, Kavaratti for kind information.
- 2) The PA to Advisor to Administrator, UTLA, Kavaratti for kind information.
- 3) The PA to Secretary, Health Services, UTLA, Kavaratti for kind information.
- 4) Shri B.Vinod Babu, Nodal officer, WM Division, Central Pollution Control Board, Ministry of Environment, Forest, & Climate Change, Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032 E-mail: bvbabu.cpcb@nic.in

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72499/2020/Est (S&T)



Annexure-R-13

भारत सरकार
लक्षद्वीप प्रशासन
विज्ञान एवं प्रौद्योगिकी विभाग
कवरत्ती द्वीप-682 555

File No: LD-03005/1/2020-LPCC-UT-LKS(2)/870

Dated/तारीख 29.01.2020

NOTIFICATION

In pursuance of Rule 3 (2) of the Noise Pollution (Regulation and Control) Rules, 2000 (said rules), UT of Lakshadweep hereby notifies the categorization of areas in the UT of Lakshadweep into Silence Areas/Zones and Mixed Zone for the purpose of implementation of Noise standards for different areas.

A. Silence Zone:

All areas comprising not less than 100 meters around hospitals, educational institution, courts are identified to be falling within the silence zone. For the purpose of designating a specific area to be Silence zone, the 'Authority' shall within six months from the date of this Notification survey the area falling within his jurisdiction and designate on a map Silence Zone having regard to the predominant character of the locality.

B. All the remaining areas in the Islands of Lakshadweep are hereby categorised as mixed categories of area and the limits of the air quality standards and emission standards generated from different sources in these mixed categories of area shall be same as that of the Commercial area.

The ambient air quality standards and emission standards generated from different sources for controlling noise pollution, and their limits in dB(A)Leq in different areas in the Islands are as follows.

Area Code	Category of Area	Limit in dB(A) Leq*	
		Day Time	Night Time
A	Silence Zone	50	40
B	Mixed Zone	65	55

Note 1: Day time is reckoned in between 6 a.m. and 10 p.m.

Note 2: Night time is reckoned in between 10 p.m. and 6 a.m.

499/2020/Est (S&T)


*dB (A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing

A "decibel" is a unit in which noise is measured.

"A" in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq: It is energy mean of the noise level over a specified period.

This is issued with the approval of the Hon'ble Administrator, UT of Lakshadweep vide e- File No. LD-03005/1/2020-LPCC-UT-LKS dated 25.01.2020.


(DR.S.SUNDARAVADIVELU)
Secretary (Science & Technology)
UT of Lakshadweep

To

1. Director, Printing & Stationery, UT of Lakshadweep to publish the notice in the next Gazette and to furnish 50 copies to Director, Science & Technology, UT of Lakshadweep
2. All the Secretaries of the UT of Lakshadweep
3. DIG, Lakshadweep Police, UT of Lakshadweep
4. Surpintendent of Police, UT of Lakshadweep
5. All HoDs of the UT of Lakshadweep
6. Chief Executive Officer, District Panchayth, UT of Lakshadweep
7. Member Secretary, Lakshadweep Pollution Control Committee
8. PA to the Hon'ble Administrator, UT of Lakshadweep
9. Principal/Headmaster in all the Educational Institution of the islands
10. Director, Road Transport Office, UT of Lakshadweep
11. Deputy Collector/SDOs in all islands
12. Guard File/Spare Copy

72500/2020/Est (S&T)



भारत सरकार
लक्षद्वीप प्रशासन
विज्ञान एवं प्रौद्योगिकी विभाग
कवरत्ती द्वीप- 682 555

File No: LD-03005/1/2020-LPCG-UT-LKS(1)/871 Dated /तारीख 29.01.2020

NOTIFICATION

In pursuance of clause (c) of Rule 2 of Noise Pollution (Regulation and Control) Rules, 2000 (hereinafter called the "said Rules"), the Union Territory of Lakshadweep hereby designates the following officers as "Authority" for the maintenance of the ambient air quality standards in respect of noise under the said Rules, with immediate effect. For the purpose of implementation of the statutory provisions under the Environment Protection Act, 1986 and Noise Pollution (Regulation and Control) Rules, 2000, effectively, the Authority mentioned hereunder are also hereby directed to carry out specific responsibilities of prohibition and regulation meticulously and in case of any violation, all authorities should initiate legal action in accordance with law.

Prohibitions and Restrictions	Implementing and Regulating Authorities
Use, sale and manufacturing of airhorns are totally prohibited in the UT of Lakshadweep.	1. SHOs in concerned Islands (Lakshadweep Police) 2. Deputy Collector/Sub Divisional Officers 3. Road & Transport Department
Honking of horns is strictly prohibited in 'Silence Zone area' i.e. Educational Institution, Library, Court, Hospital and Nursing Home.	SHOs in concerned Islands (Lakshadweep Police)
Use of any kind of fireworks is strictly prohibited in Hospital and Nursing Home area.	1. SHOs in concerned Islands (Lakshadweep Police). 2. Management of the hospital and nursing home
Use, sale, storage and manufacturing of noise making fireworks generating noise level above 90 dB (A) impulse from the 5 meter of the bursting point.	1. SHOs in concerned Islands (Lakshadweep Police) 2. Lakshadweep pollution Control Committee
Use of loudspeaker in open area is strictly prohibited before three days of commencement of Secondary and Higher Secondary Examination and till completion of such examination.	SHOs in concerned Islands (Lakshadweep Police).

[Signature]

72500/2020/Est (S&T)

Loudspeaker should be used only from 6A.M. to 10 P.M. in open area after obtaining necessary permission from the competent authority i.e. Sub Divisional Officer, Block Development Officer, Deputy Superintendent of Police/Inspector/Sub Inspector. Permissible ambient noise level as notified by the Government of India under Environment (Protection) Act, 1986 should be maintained during the use of microphones. During the use of microphone in open air, sound limiter should be attached with amplifier for regulating noise level.	1. SHOs in concerned Islands (Lakshadweep Police) 2. Deputy Collector/Sub Divisional Officers. 3. Lakshadweep Pollution Control Committee.
During operation of the Diesel Generator Set, the permissible ambient noise level notified by the Government of India under Environment (Protection) Act, 1986 should be maintained. Diesel Generator Set of 15 KVA and above should not be installed or operated without prior permission of the Lakshadweep Pollution Control Committee.	Lakshadweep Pollution Control Committee.
The industries should not generate any noise level, in violation of the ambient noise level fixed up under Environment (Protection) Act, 1986. Industrial unit should not be established or operated without prior permission of the Lakshadweep Pollution Control Committee.	Lakshadweep Pollution Control Committee.

This is issued with the approval of the Hon'ble Administrator, UT of Lakshadweep vide e- File No. LD-03005/1/2020-LPCC-UT-LKS dated 25.01.2020.

S. Sundaravadivelu
(DR. S. SUNDARAVADIVELU)
Secretary (Science & Technology)
UT of Lakshadweep

To

1. Director, Printing & Stationery, UT of Lakshadweep to publish the notice in the next Gazette and to furnish 50 copies to Director, Science & Technology, UT of Lakshadweep
2. All the Secretaries of the UT of Lakshadweep
3. DIG, Lakshadweep Police, UT of Lakshadweep
4. Superintendent of Police, UT of Lakshadweep
5. All HoDs of the UT of Lakshadweep
6. Chief Executive Officer, District Panchayth, UT of Lakshadweep
7. Member Secretary, Lakshadweep Pollution Control Committee
8. PA to the Hon'ble Administrator, UT of Lakshadweep
9. Principal/Headmaster in all the Educational Institution of the islands
10. Director, Road Transport Office, UT of Lakshadweep
11. Deputy Collector/SDOs in all islands
12. Guard File/Spare Copy

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भारत सरकार/GOVT. OF INDIA

लक्षद्वीप प्रशासन/LAKSHADWEEP ADMINISTRATION

लक्षद्वीप प्रदूषण नियंत्रण समिति/LAKSHADWEEP POLLUTION CONTROL COMMITTEE

विज्ञान एवं प्रौद्योगिकी विभाग/DEPARTMENT OF SCIENCE & TECHNOLOGY

कावारट्टी द्वीप 682 555/ KAVARATTI ISLAND -682 555

File No: LD-03006/8/2019-LPCC-UT-LKS-Part(1)

Dated: 25.12.2019

To

Shri Abhey Singh Soni,
Additional Director & Head
Waste Management II Division,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi- 110 032
E-Mail: abheysoni@gmail.com

Sub: Penalty of Rs. 1 lakh per month in compliance of Hon'ble NGT orders dated 26.08.2019 in
O.A No. 804/2017- Reg.

Ref: F.No.B-29016/C-08/19/WM-II Div, dated December, 19, 2019

Sir,

Kindly refer the e-mail dated 20.08.2019 regarding the submission of status on compliance of the Hon'ble NGT order dated 26/08/2019 and imposition of penalty of Rs. 01 lakh/month in case on non-compliance. In this connection vide letter dated 19.12.2019 of CPCB, LPCC has sanctioned an amount of Rs. 3 Lakh as the penalty imposed is with regard to the non-submission of implementation status on recommendations made by the Monitoring Committee in its interim report as directed by the Hon'ble NGT in OA No. 804/2017 vide order dated 26/08/2019.

The details required in respect of the UT of Lakshadweep are enclosed for your information and necessary action. The details of hazardous waste also uploaded in the SPCB Sanyojan portal i.e <http://125.19.52.219/annual/>.

This issued with the approval of the Chairman, LPCC dated 25.12.2019

Encl: As above

Yours faithfully,

(P. POOKOYA)

(पी. पूकोया)

Member Secretary, LPCC

सदस्य सचिव, ल. प्र. नि. स

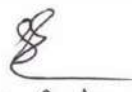
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Annexure-R-15

REJUVENATION OF WATER BODIES.

Name of Island	Total No. of Ponds identified for rejuvenation	Estimated amount submitted by VDP	No. of ponds proposed to be rejuvenated in Phase-I	Estimated amount	No. of ponds proposed to be rejuvenated in Phase-II	Estimated amount
Agatti	24	Rs.39,49,998	9	Rs.15,16,800	15	Rs.24,33,198
Amini	70	Rs.14,00,000	27	Rs.5,47,800	43	Rs.85,22,00
Androth	30	Rs.37,50,000	11	Rs.14,40,800	19	Rs.23,09,200
Bitra	6	Rs.1,20,800	3	Rs.61,800	3	Rs.59,000
Chetlat	8	Rs.15,90,984	3	Rs.6,20,800	5	Rs.97,01,184
Kadmat	25	Rs.38,39,500	10	Rs.15,35,800	15	Rs.23,03,700
Kalpeni	4	Rs.8,52,000	2	Rs.3,39,800	2	Rs.51,22,000
Kavaratti	34	Rs.47,94,590	13	Rs.18,37,800	21	Rs.29,56,700
Kiltan	24	Rs.39,49,998	9	Rs.15,16,800	15	Rs.24,33,198
Minicoy	13	Rs.14,88,578	5	Rs.5,81,800	8	Rs.9,06,778
Total	*238	Rs.2,57,36,448	92	Rs.1,00,00,000	146	Rs.2,03,46,158


 C.N. Shajahan
 Superintending Engineer


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भारत सरकार
लक्षद्वीप प्रशासन
लक्षद्वीप प्रदूषण नियंत्रण समिति
विज्ञान एवं प्रौद्योगिकी विभाग
कवरत्ती द्वीप 682 555

File No: C-18018/1/2019-LPCC-UT-LKS

Dated: 03. 02.2020

TO

Smt. Divya Sinha,
Additional Director & Division Head,
IPC- II, Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi- 110 032
E-Mail: divyasinha.cpcb@nic.in

Sub: Status Report on Action Plan on 14 thematic areas in OA No.606/2018 of
Compliance of Municipal Solid Waste Management Rules, 2016- Regarding

Sir,

Kindly refer the report on action plan on 14 thematic areas in OA No.606/2018 of
Compliance of Municipal Solid Waste Management Rules, 2016 dated November, 2019
of CPCB. The requisite information in respect of UT of Lakshadweep is enclosed
herewith for further necessary action. It is also requested that the compliance
report/direction may be send to the undersigned.

Yours faithfully,

Encl: As Above


Member Secretary, LPCC

Copy to :

1. PA to the Advisor to the Administrator, UT of Lakshadweep
2. PA to Chairman, LPCC for information
3. PA to Secretary (Environment & Forests), Kavaratti, UT of Lakshadweep for information

Status report on action plan for Lakshadweep on 14 thematic areas, received from the CPCB dated 27.12.2019

Sl No. as in CPCB Report	Item	Status/Action taken	Time frame	Remarks
3.1	Municipal Solid Waste Management			
12	Percentage of ULBs using compartmentalized vehicles for collection for different fraction of waste	The department is going to procure 18 compartmentalized vehicles for collection of waste in nine islands. The proposal is to purchase one each four wheeler and three wheeler vehicle for 5 major islands and two each three wheeler vehicles for 4 smaller islands. Bitra is a very small island and does not require any vehicle.	April, 2020	
41	Percentage of ULBs in which biodegradable waste is sent to compost/ biomethanation plant.	In Kavaratti, all Biodegradable waste collected through 2500 household bins (10 lit.) and all household waste sent to the pits for composting. In all other islands, the Biodegradable waste disposed off in-situ by the household by feeding to livestock and using it as manure for cultivation. However, it is planned that the Kavaratti model will be extended to the other islands in due course.	May, 2020	Department also submitted a proposal to Ministry of Environment, Forest and Climate Change with the support of World Bank to install biogas plants in all households of various islands of Lakshadweep under ICZMP phase II project at an estimated cost of Rs23.9 crore.
48	Percentage of ULBs having own/regional operational landfill sites	Not applicable	Not Applicable	Landfill sites are not there in Lakshadweep due to the geographical conditions
57	Percentage of ULBs in which investigations of old/ existing dump sites for biomining has been initiated	Not applicable	Not Applicable	No dump sites for biomining are present in Lakshadweep
Performance of state/UTs (SWM)				
2	Percentage of ULBs in which user fees has been	100% The user fee provision has been made for all the islands in	01.04.2020	The user fee collection on pilot basis will be implemented in Kavaratti island.

	incorporated in bye laws	the Lakshadweep Solid Waste Management Bye Law 2018		Subsequently it is proposed for all the remaining islands.
3	Percentage of ULBs having door to door collection systems	Door to door collection is 100% at Kavaratti for Bio degradable and Non- biodegradable waste. In other islands 100% Non-biodegradable waste is collected by community bin (4686 numbers) and Biodegradable waste is disposed in situ at source itself.	Not Applicable	
5	Percentage of ULBs in which segregation of waste at household level/source have been implemented	It is 100% segregation of waste at household level in all the islands.	Not Applicable	
3.1.1	Recommendations			
iii	Compliance with NGT directions dated 06.03.2019 in OA No. 606/2018 uploaded on SPCB Sanyojan portal on CPCB website	The compliance report is being uploaded	07.02.2020	
3.2	Sewage Management			
3.2.2	Observation			
	The States/UTs were required to provide information against 7 parameters as per CPCB format			
1	Estimated Sewage Generation	Roughly estimated for the total households of 11574 for the population 64473 @ water requirement of 55 LPCD is 2.8 MLD		
2	Treatment Capacity (Projection for 05 years to be taken into consideration)	The islands do not have any major industries or factories. In the island out flow is only from individual household, private establishments and from government institutions. Therefore, it is considered that sewage treatment plant is not necessary in islands. The faecal waste water is first discharged into septic tank and subsequently to soak pit and the filtrated waste water from soak pit is then going to the ground through further		

		<p>natural filtration. Non faecal waste water is first going to a separate soak pit and then filtrated waste water from soak pit is then going to the ground through further natural filtration.</p> <p>For the treatment of faecal waste, UTLA already implemented Bio-Toilets in three islands. For making 100% coverage of all households initially in Kavaratti, tender is being floated shortly. Proposal to install Bio-toilets in all islands in long run is also under consideration.</p> <p>Further, it is proposed to explore possibility of centralized Septage Treatment Plant at Kavaratti for processing of night soil from the septic tank after retention period. A firm has already appointed for preparing the DPR for this project and Work Order issued on 31/1/2020.</p>		
3	Status of Sewerage System (in km)	Not relevant to UTL		
4	No. of STPs	One STP with 20 KLD is installed in the tourist resort at Bangaram Island		
5	Has bulk users identified for reuse of treated Water such as Industrial Clusters, Metro Rail, Indian railways, Infrastructure Projects, Agriculture, Bus Depots and PWD? (Y/N)	Not relevant to UTL		
6	Quantity of treated wastewater being used by Bulk User(in MLD)	Not relevant to UTL		
7	No. of water Aquatic Sources (Lakes, pond, etc.) being developed through treated wastewater	Not relevant to UTL.		

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3.5	E-Waste			
Performance of the States/UTs (E-Waste)				
2	Facilitate collection and disposal of E-Waste	E-Waste in the various islands is transporting to the Central Depository Site in each island and action initiated to identify the authorized recycler/dismantler of CPCB at mainland for final disposal.	March, 2020	
3	Governance frame work for monitoring compliance	Action for designation of Nodal officers at UT level and island level is under progress.	February 2020	
4	Capacity building at district/state /CPCB level	The action being initiated to conduct the Island/ UT level	March 2020	The Capacity Building in island/UT level being conducted on priority
5	IEC plan be framed up and executed	The action being initiated to frame and execute the IEC plan	May, 2020	IEC Plan being framed and executed on priority
6	Strengthen system of enforcement	The action being initiated to strengthen system of enforcement	May, 2020	An enforcement team shall be constituted and conduct quarterly review of violation and enforcement action in island/UT level by March, 2020
3.6	Bio Medical Waste			
3.6.2 (4)	Implementation status of Bar Code system	The meeting of State Advisory Committee held on 15.01.2020 decided to maintain a Register till implementation of Bar Code System with the support of IMAGE Kerala. MOU is to be executed shortly.	August.2020	
3.7	Hazardous Waste			
3.7.3	Recommendations			
i	Status of implementation of recommendations made by Monitoring Committee in its interim report submitted to CPCB File No: LD-03006/8/2019-LPCC-UT-LKS-Part(1) Dated: .12.2019			
3.11	Rejuvenation of Water Bodies			
3.11.2	Performance of State/UTs (Rejuvenation of water bodies)			
	Non submission of Action Plan	Action has been initiated for rejuvenation/repair and rehabilitation of existing ponds. Out of 456 identified abandoned/damaged ponds 218 numbers are rejuvenated. Action plan for the rejuvenation of remaining ponds 238 numbers is prepared under Jal Shakti Abhiyan which is enclosed.	March, 2021	There is no surface water like river, lake etc in UT of Lakshadweep. Ground water occurs under phreatic conditions in these islands occurring as a thin lens floating over sea water. The recharge to the ground water is only through rain fall infiltration.

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(Member Secretary, LPCC)

IN THE NATIONAL GREEN TRIBUNAL, DELHI

Original Application / Appeal / Misc. Application No. 606.....of 2018

IN THE MATTER OF:

.....COMPLIANCE OF MUNICIPAL SOLID WASTE.....Applicant(s)
MANAGEMENT RULES - 2016 Appellant(s)

VERSUS

..... Respondent(s)

VAKALATNAMA

I/We **Union Territory of Lakshadweep**, Applicant(s) / Appellant(s) / Respondent(s) in the above Original / Misc. Application / Appeal do hereby appoint and retain **Sunita Sharma**, Advocate to act and appear for me/us in the above Original / Misc. Application / Appeal and on my/our behalf to conduct and prosecute (or defend) the same and all proceedings that may be taken in respect of any application connected with the same or any decree or order passed therein including proceedings in taxation and applications for review, to file and obtain/ return of documents and to deposit and receive any money on my/our behalf in the said Original / Misc. Application / Appeal and in applications for Review and to represent me/us and to take all necessary steps on my/our behalf in the above matter. I/We agree to ratify all acts done by the aforesaid Advocate in pursuance to this authority.

Dated this the 6th day of February 2020

Accepted, Identified & Certified and verified.


Sunita Sharma

Advocate

Chamber No. 202

C.K. Daphatary Block Lawyer Chamber

Supreme Court of India Tilak Lane

New Delhi-110001

Mob: 9811602201,


 असर पाल सिंह Asar Pal Singh
 स्थानिक आयुक्त Resident Commissioner
 केन्द्र प्रशासनिक इकाई UT Admn. of Lakshadweep
 केन्द्र प्रशासनिक इकाई Lakshadweep House
 सफाई, नई दिल्ली
 Applicant(s)/Appellant(s)
 Respondent(s)/Caveator(s)
MEMO OF APPEARANCE

To,

 The Registrar
 National Green Tribunal
 New Delhi

Sir,

Kindly enter my appearance in the above mentioned Original / Misc. Application / Appeal / Reference / Review made on behalf of the above named Applicant(s)/appellants(s)/Respondent(s).

Yours faithfully


(Sunita Sharma)

 Advocate for the Applicant (s)
 Respondent(s) / Appellant (s)

New Delhi

Dated. 06.02.2020

ENL. No. P 348/1986

ANNEXURE D

Fourth Quarterly Report in Compliance to the Orders Dated 16.01.2019 and 14.05.2019 in Original Application No. 606/2018 before National Green Tribunal, New Delhi, on Behalf of Union Territory of Lakshadweep

The present report contains the progress that has been made pursuant to the order of the Hon'ble NGT of 14.05.2019 in compliance to the directive at para 45(ii) to furnish quarterly report. This fourth quarterly report is submitted indicating the progress for the period from 01.02.2020 to 02.05.2020. Further it contains compliance to other court directions. The point wise progress is given below.

1. As per directive at para 45(i) the Advisor to the Administrator has held two monthly SLAB meetings on 26.02.2020 and 27.04.2020. The copies of the minutes are enclosed as **Annexures-R1 and R2.**
2. The State Level Monitoring Cell conducted a meeting through online on 30.04.2020. The copy of the minutes is enclosed as **Annexure R-3.**
3. The State Level Special Task Force (STF) under Solid Waste Management Rules, 2016 held a meeting on 27.04.2020. The copy of the minutes is enclosed as **Annexure R-4.**
4. The District Committee to monitor environmental norms on Solid Waste Management Rules, 2016 conducted meeting under the chairmanship of District Collector on 28.04.2020. The minutes is appended as **Annexures-R5.**
5. The steps taken in compliance to Hon'ble NGT order on Solid Waste Management and other issues have been explained in the following paragraphs.

Compliance to Solid Waste Rules including Legacy Waste:

6. The Department of Environment has been working full time for the segregation and collection of bio-degradable and non-biodegradable waste even after the imposition of lockdown due to Covid-19. There has been no let down in this activity. However, the disposal of NBW non-recyclable waste to the mainland has been affected badly due to the lockdown. As mentioned earlier, UTL has signed an agreement with Geo Cycle India, ACC Limited, Salem for the disposal of empty cement bags. UTL also plans to dispose of mainly the single use plastic and few other items also for incineration at Coimbatore. However, this has been


Page 1 of 4

held up due the prevailing Covid situation. Further the process of procurement of machinery such as composting machine, leaf and plastic shredders and waste bins for all islands has been held up due to the prevailing Covid situation.

7. In pursuance to Solid Waste Management Byelaw 2018 user fees has been notified from 01.04.2020. The collection of user fee has now begun since 01.05.2020.
8. As mentioned earlier UTL has placed order for procurement of 18 closed container vehicles (13 Electric Battery-operated three-wheeler and 05 diesel four wheelers) for the transportation of solid waste in all Islands except Bitra which is a very small island. Out of this, five diesel four-wheeler vehicles have already been received. The remaining vehicles delivery has been held up due to Covid-19.

Compliance to Bio -Medical Waste Rules:

9. It is submitted that the Department of Health has signed an MoU with Indian Medical Association, Kerala for comprehensive bio-medical waste management in Lakshadweep. The affiliation and assignment of I.D numbers has been completed for 44 Government HFC and 2 private HFC. The colour coded bags have been supplied and are now being used for segregation of the bio medical waste into red, blue, yellow and white. The yellow waste after pre treatment is either going to the incinerator wherever installed or deep burial. The red, blue and white bags containing disinfected waste will be transported to the mainland. Arrangements have been made for the transport but due to the Covid situation it has been delayed
10. All the 46 HCF have submitted applications to the Lakshadweep Pollution Control Committee for grant of authorization. The LPCC has issued authorization to those units under the white category (non-bedded). Further three more HCF at Kavaratti, Amini and Kadmat islands have been approved for authorisation. The remaining are under process.
11. The Department of Health had placed supply order for autoclaves and shredders for installation in all Hospitals and Dispensaries in Lakshadweep. All shredders have been supplied and operational. Regarding autoclaves all have been supplied



but only 3 installed and operational. The work of remaining 7 could not be completed due Covid-19 situation.

12. In terms of the orders dated 21.04.2020 and 24.04.2020 passed by this Hon'ble Court in the matter of OA No.72/2020 regarding proper management of bio-medical waste generated during Covid-19 situation it is submitted that presently in Lakshadweep there is no Covid-19 positive cases and the territory has been categorised as green zone as on date. However, the Department of Health is in a state of preparedness to tackle any contingencies that may arise. The department will follow the guidelines prepared by CPCB for "Handling, Treatment and Disposal of Waste generated from treatment/diagnosis/Quarantine of Covid-19 patients" in the event of any cases arising. In response to letter of the CPCB dated 21.04.2020 the Member Secretary, LPCC has furnished the reply on 01.05.2020. A copy of the letter is marked as **Annexure-R6**. Further in pursuance to the letter issued of CPCB dated 28.04.2020 UTL is taking necessary steps to impart awareness and training to the stake holders including preparation of model plans by various authorities. The first such training of stakeholders has been conducted on 02.05.2020 at Kavaratti.

Compliance to Hazardous Waste Rules:

13. Pursuant to the decision of the State Level Committee, the LPCC has selected the authorised dealer namely M/s.Cee Jee Lubricants, Aluva, Kerala for collection transportation and processing of Hazardous Waste and has issued the work order on 29.04.2020 a copy of which is enclosed as **Annexure-R7**.

Compliance to E-Waste Rules:

14. Pursuant to the decision of the State Level Committee, the LPCC has selected the authorized dealer namely M/s.Mahalaxmi e-Recyclers Pvt.Ltd,HO.J-5, MIDC, Gokul Shirgaon, Kolhapur 416 234(Maharashtra) and issued work order on 29.04.2020 a copy of which is enclosed as **Annexure-R8**



Rejuvenation of Water bodies:

15. In compliance to the order dated 25.02.2020 of Hon'ble NGT in M.A.26/2019 in Original Application No.325/2015 directing States/UTs to furnish information to CPCB as per indicative guidelines for restoration of water bodies it is submitted that the information has been furnished by the Director of Science and Technology on 21.03.2020. The copy of the said letter is at **Annexure-R9**.



(R MIHIR VARDHAN)
Advisor to Administrator

BEFORE THE HONOURABLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH AT NEW DELHI
Original Application No.606/2018

In the matter of:

Compliance of Municipal Solid Waste Management Rules,2016

REPORT OF ADVISOR TO THE ADMINISTRATOR UNION TERRITORY OF
LAKSHADWEEP, INDICATING COMPLIANCE TO ORDER DATED 14.05.2019.

I Asarpal Singh, S/o Shri Jagat Singh, Age 63 years holding the post of Residential Commissioner of Union Territory of Lakshadweep and having its office at Lakshadweep House, Chanakyapuri, New Delhi, and as authorised by Hon'ble Administrator do hereby solemnly affirm and declare as under;

1. That the afore cited matter relates to Integrated Solid Waste Management as per the directions of Hon'ble NGT in its orders of OA No. 606/2018 dated 16.01.2019, 14.05.2019 and 12.09.2019.
2. It is to submitted that the status up to 31st January,2020 was submitted to the Hon'ble NGT along with back ground information on 06.02.2020.
3. The present report of the Advisor is pursuant to the order of the Hon'ble Tribunal of 14.05.2019 wherein the following direction has been issued: -

"A quarterly report be furnished every three months. First such report shall be furnished by August 10, 2019".

4. In compliance to aforesaid direction enclosed is the fourth quarterly report of the Advisor showing the progress up to 02.05.2020. It also contains compliances in terms of other directives of the Hon'ble NGT.

Verification

I, the above-named Deponent verify at..... on the ... day of May, 2020 that the contents of the above compliance affidavit are true to the best of my knowledge and as borne out of the official records.

Nothing material has been concealed therefrom.

(Deponent)

UT's to file quarterly report as regards steps taken and progress made towards solid waste management.


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3. It is stated that UT administration had filed quarterly report on 06.02.2020 for progress made up to 31.01.2020 along with relevant documents in compliance with directions of this Hon'ble Tribunal
4. It is further submitted that the deponent is filing fourth quarterly report of Advisor for steps taken and progress made up to 02.05.2020 by Administration for implementation of Solid Waste Management Rules 2016. It is further submitted that steps taken by Administration in wake of COVID 19 have also been elaborated in the report and relevant documents have been annexed. Along with this step taken by Administration for implementation of other directions have also been included in the report. A copy of report is annexed as ANNEXURE A.

On the facts and in the circumstances stated above it is therefore most respectfully prayed that this Hon'ble Tribunal may pass appropriate orders.

VERIFICATION:

Verified at New Delhi on this 8th day of MAY 2020 that the contents of the above affidavit are true and correct to my knowledge, no part of it is false and nothing has been concealed thereon.


असर पाल सिंह/Asar Pal Singh
स्थानिक आयुक्त/Resident Commissioner
केन्द्र प्रशासित प्रदेश लक्षद्वीप/UT Admn. of Lakshadweep
लक्षद्वीप हाऊस/Lakshadweep House
छाणक्यापुरी, नई दिल्ली/Chanakyapuri, New D


DEPONENT
असर पाल सिंह/Asar Pal Singh
स्थानिक आयुक्त/Resident Commissioner
केन्द्र प्रशासित प्रदेश लक्षद्वीप/UT Admn. of Lakshadweep
लक्षद्वीप हाऊस/Lakshadweep House
छाणक्यापुरी, नई दिल्ली/Chanakyapuri, New Delhi

Minutes of 11th State Level Advisory Body (SLAB) meeting on Integrated Waste Management dated 26.02.2020 in Lakshadweep

The 11th State Level Advisory Body (SLAB) meeting was conducted in Secretariat Conference Hall (Ground Floor) on 26.02.2020 at 04.00 PM under the Chairmanship of Shri. Mihir Vardhan, IAS, Advisor to Administrator & Chairman, SLAB, UTLA, Kavaratti. The members who attended in the meeting are shown at **Annexure -I**

The Secretary Environment & Forest & Co-Chairman SLAB welcomed the Chairman and SLAB members. The agenda was then taken up. After a detailed discussion the body have taken the following decisions.

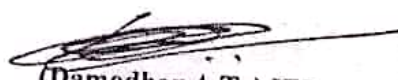
1. As part of the management of solid waste the following decisions were taken.
 - i) **Procurement of Colored Waste Bins to remaining 9 Islands:** The department informed that in order to replicate the Kavaratti model of segregation and collection of waste tender had been floated for the purchase of about 20,000 waste bins of 10.litr capacity and other bins of higher capacity. Tender will be opened shortly and file will be processed. The Body directed to expedite the processing of the file. (Action: The Conservator of Forests, E&F)
 - ii) **Procurement of machineries for Solid waste treatment in IWM:** The department informed that for the purpose of making the waste management more efficient it was proposed to procure Organic Waste Compost Machine to shred Organic Waste (Electrical), PET Bottle Crusher to Shred Plastic bottle, Husk Shredder to Shred Tender Coconut Husk and Leaf Shredder for all Islands @ 10 Nos each. E- Tender has been published on 14.02.2020 and will be opened on 03.03.2020. (Action: The Conservator of Forests, E&F)
 - iii) **Procurement of compartmentalised waste transport vehicles:** The department informed that supply order had been placed for 18 vehicles- five big diesel vehicles and 13 small electric battery operated vehicles for all the islands. These vehicles are expected to be supplied in the next 30 days.
 - iv) **Enforcement of User Fee:** The SLAB directed the department to submit the proposal for the enforcement of User Fees within 3 days to the Competent Authority. The same should be introduced with effect from 1st April 2020 for the individual households and commercial establishments for the collection of solid waste in UTL. (Action: The Conservator of Forests, E&F)
 - v) **Establishment of MRF at Kavaratti:** It was informed that tender will be floated shortly. The SLAB directed to the LPWD to expedite the construction works of MRF centre at Kavaratti. (Action: The SE, LPWD)
 - vi) **Coconut Husk & Pith Management Plan:** The SLAB Chairman directed Director Industries to take follow up action for Management of Coconut Husk & Pith scattered in entire Islands. (Action: The Director Industries)
 - vii) **Plastic Waste Management Action Plan:** The SLAB directed to Department to incorporate actual quantity of waste generation and collection of plastic waste into the action plan for approval. (Action: The Conservator of Forests, E&F)
 - viii) **Implementation of Rules & Bye laws under SWM & PWM:** The SLAB directed to the ADM and Chairman of STF to ensure the implementation of rules and bye-

laws under the SWM and PWM in all the Islands and submit the compiled status report in compliance of the Rules & Bye laws in Islands by the next SLAB meeting.

- ix) **Legacy Waste management:** It was informed that the Director, S&T and Range Forest Officer had discussed with Geocycles, ACC Cement, Coimbatore for disposal of cement bags. The Body directed that the agreement should be finalised and signed at the earliest for the disposal of the cement bags. (Action: Conservator of Forest)
 - x) **Ban on Single Use Plastic in UTLA:** SLAB directed to the Department place the work order of sign boards at various important corners/places of all Islands towards awareness creation to the public with regard to banned Single Use plastics of 13 Items. (Action: The Conservator of Forests, E&F)
 - xi) **Engagement of Incinerator operators & Supervisors :** The Chairman agreed to recommend to engage 4 Nos. each of Incinerator Operators with qualification of ITI Diesel Engine Mechanic/Marine Engine Fitter and 1 No. each Supervisor in all Islands with Diploma in Mechanical/ Electrical Engineering. The file should be put up through the proper channel to the competent authority for approval. (Action: The Conservator of Forests, E&F)
2. As part of the hazards waste management the following decisions were taken.
- i) **Action plan and disposal of RDF:** The SLAB directed to the Department of Electricity to submit the detailed timeline action plan and management on Refused Derived Oil generated from power plants in all Islands. (Action: The EE, Electricity)
 - ii) **Setting up of Common HW TSDF:** The SLAB directed to the Department of Electricity in consultation with LPCC to finalize the authorized recyclers at mainland for final disposal. (Action: The EE, Electricity and M/S, LPCC)
 - iii) **State Level Committee under HWM:** The SLAB directed to the Department of S&T to constitute a State Level Committee under HWM in compliance to the Hon'ble NGT orders dated 12.04.2019 in OA 804/2017. Further the status of ATR in the State Level Committee meetings should be informed to the SLAB (Action: The Director, S&T & M/S, LPCC)
3. As part of the bio-medical waste management the following decisions were taken.
- i) **Authorization of Health Care facilities:** The SLAB directed to the Director, Medical & Health Services to submit the status report of authorization of HCFs, which will completed by the LPCC with seven days..(Action: The Director, DMHS)
 - ii) **Procurement of machineries under Biomedical waste:** DHS informed that the autoclave and shredders are scheduled to be installed and commissioned by 10th March, 2020 in HCF of all islands. The Body directed that the Veterinary Services Department should also install similar machinery and submit compliance report by the next SLAB meeting. (Action: The Director, DMHS & Director, Animal Husbandry)
 - iii) **Land for BMW Management:** The SLAB directed to the Director, Medical & Health Services to constitute a committee for identifying the land for BMW management in each Islands. (Action: The Director, DMHS)

- iv) **Comprehensive Management of Bio Medical Waste** The DHS informed that signing of agreement with Indian Medical Association, Kerala is finalized and is expected to be signed shortly. Body directed DHS to complete the process quickly and begin implementation (Action:DHS)
- v) **Slaughter House Waste Disposal**: The SLAB directed to Director, Animal Husbandry to implement proper disposal system for slaughter house waste generated in the Islands.(Action: The Director, Animal Husbandry)
4. As part of e-waste management the following decisions were taken.
- i) **Monitoring Committee Meeting under E-waste (M) Rules, 2016**: The SLAB directed the Director (S&T) to constitute of State/Island Level Monitoring Committee under e-waste management rules as per the NGT direction in OA No. 512/2018 dated 12.02.2019. ATR shall updated in the next SLAB meeting.(Action: The Director(S&T))
5. **Development of Website**: The SLAB Chairman directed NIC to complete the security audit on website and host in public domain before next SLAB meeting. (Action: The Technical Director, NIC)

This is issued with the approval of Advisor to Administrator & Chairman, SLAB vide Diary No. 1384.... Dated 03.03.2020.


(Damodhar A.T.,) IFS
Secretary, Environment & Forest

F.No.66/3/2018-E&F

Dated 27.02.2020

To

1. All the Members concerned

Minutes of 12th State Level Advisory Body (SLAB) meeting on Integrated Waste Management dated 27.04.2020 in Lakshadweep

The 12th State Level Advisory Body (SLAB) meeting was conducted on 27.04.2020 at 04.00 PM under the Chairmanship of Chairman, SLAB, UTLA, Kavaratti. The members who attended in the meeting are shown at **Annexure -I**

The Secretary Environment & Forest & Co-Chairman SLAB welcomed the Chairman and SLAB members. The agenda was then taken up. After a detailed discussion the body have taken the following decisions.

1. As part of the management of Solid Waste Management the following decisions were taken.

- i) **Procurement of Colored Waste Bins to remaining 9 Islands:** The SLAB Chairman directed to distribute 3100 blue and green waste bins of 10 litre capacity as well as 30 community waste bins of 150 litre capacity for collection of sanitary napkins at Agatti. It is also directed that, re-tender to be floated for procurement of about 18,000 waste bins of 10 L Capacity and other bins of higher capacity (Colored Waste Bins) for 8 Islands. The body directed to expedite the processing of the file. (Action: The Conservator of Forests, E&F)
- ii) **Procurement of machineries for Solid waste treatment in IWM:** The Department informed that tender has been opened and the Minutes of the TEC is to be finalised for procurement of Electric Organic Waste Compost Machine to shred organic waste, PET Bottle Crusher to Shred Plastic Bottle, Husk Shredder to Shred Tender Coconut Husk and Leaf Shredder to the remaining Islands. The Body directed to expedite the finalization of process. (Action: The Conservator of Forests, E&F)
- iii) **Procurement of Compartmentalised Waste Transport Vehicle:** It was informed that, 05 Big Diesel Vehicles have been delivered, two vehicles at Kavaratti, 01 vehicle each at Agatti, Minicoy and Androth Islands. The remaining vehicles delivery has been delayed. (Action: The Conservator of Forests, E&F)
- iv) **Enforcement of User Fee:** It was informed that, the department notified the user fee for door to door collection of solid waste with effect from 01.04.2020, for the individual households and commercial establishments for the collection of solid waste in UTL. The Body decided to collect user fees with effect from 01.05.2020. Initially, the Department will deploy manpower (Safai Assessor/SwatchhDoot Volunteers etc) to collect the User Fee in addition to their normal duties. Thereafter, the VDP, Kavaratti may be asked to take over the function. (Action: The Conservator of Forests, E&F/Chairperson, VDP, Kvt)
- v) **Establishment of MRF at Kavaratti:** The SE, PWD informed that, the work has been awarded. The SLAB directed to expedite the matter. (Action: The SE, LPWD)
- vi) **Coconut Husk & Pith Management Plan:** It was informed that, Project Proposal for Coconut Husk and Pith Management Plan prepared. The SLAB directed to expedite the matter on "Top Priority". (Action: The Director Industries)

- vii) **Implementation of Rules & Bye laws under SWM & PWM:** The SLAB Chairman directed to enforce the implementation of Rules and Bye-laws under the SWM and PWM in all the Islands and also directed to get the status report from all Islands immediately. (Action: ADM and Chairman of STF)
- viii) **Legacy Waste Management:** It was informed that the agreement signed with Geocycle India, ACC Limited, Salem for disposal of cement bags. Already 56 MT Cement Bags had been transported to mainland for recycling. The SLAB directed to prepare SOP for proper transportation by conducting a meeting with one representative each from LDCL, Port & Env't, S&T, Industries. It is also directed to expedite the transportation of balance consignment (Action: The Conservator of Forest, E&F)
- ix) **Ban on Single Use Plastic in UTLA:** It was informed that, the Department partially placed the Sign Boards at Agatti & Kavaratti. The SLAB directed to expedite the placing of rest of the Sign Boards at various important corners/places of all Islands. (Action: The Conservator of Forests, E&F)
- x) **Installation and Commissioning of Incinerator in remaining Islands :** The SLAB directed to check and inspect the progress of the work at Androth on "Top Priority". (Action: The Conservator of Forests, E&F)

2. As part of the Hazardous Waste Management the following decisions were taken.

- i) **Action plan and disposal of RDF:** It was informed that, the inventory of used oils and battery waste have also completed. The SLAB directed to issue work order to authorized recycler of HW at mainland and also directed to submit the detailed timeline action plan and management on Refused Derived Oil. The selection of authorized dealer had been finalized. The Electricity Dept informed that they had requested PWD, to construct a channel around the concrete structure to collect the seeped diesel into a sump. In addition, the total area of the concrete platform may also be provided with roofing so that no rain water will enter the platform. (Action: The EE, Electricity/SE, LPWD/S&T)
- ii) **State Level Committee under HWM:** It was informed that, the 1st meeting of State Level Monitoring Committee under HWM convened on 05.03.2020. The SLAB directed that, status of ATR should be informed to the SLAB (Action: The Director, S&T/ LPCC)
- iii) **Bio-Toilets:** It was informed that, E-Tender has been opened for fabrication, transportation and installation of 1400 numbers of biotoilets in the Kavaratti Islands. Due to the non-receipt of response from the DRDE, Gwalior the technical evaluation is pending. The SLAB directed to expedite the matter. (Action: The Director, S&T)

**Minutes of 3rd meeting of District Committee to monitor
Environmental Norms on Solid Waste Management Rules, 2016.**

The 3rd District Committee to monitor Environmental Norms meeting conducted in Secretariat Conference Hall (Ground Floor) on 28.04.2020 at 3.00 PM under the Chairmanship of Shri. Vijendra Singh Rawat, IAS, District Collector and Chairman, District Committee, UTLA, Kavaratti. The members who attended in the meeting are shown at **Annexure-I**

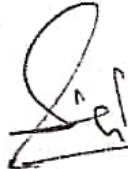
The Conservator of Forest welcomed the Chairman and committee members and made detailed presentation on agenda points under State Environment Plan with respect to Hon'ble National Green Tribunal (NGT) order in O.A No. 360 of 2018.

After a detailed discussion of agenda points and the following decisions have been taken.

1. **Constitution of Island Level Committee to monitor Environmental Norms:** The Conservator of Forest will issue Island Wise orders without waiting for any report. (Action: The Conservator of Forest, Kavaratti)
2. **Establishment & Commissioning of Biomass Energy Plant:** The Chairman directed the Executive Engineer, Electricity Department to look into the possibility of establishing Biomass Energy Plant in the Island of Andrott for the utilization of Coconut bi-products in Island. The Chairman also directed the Electricity Department to submit the action taken report before next meeting. (Action: The EE, Electricity Department)
3. **Disposal of Legacy Waste:** The Member Secretary, LPCC informed that he is frequently in touch with Geo-Cycles, Coimbatore for access the possibility to takeover plastic and in addition to the Cement bags for final disposal. The Chairman directed to get the details immediately after the lockdown. (Action: The Director, S&T & M/S, LPCC, Kavaratti)
4. **Publication of Air Quality Data:** The Director Science & Technology informed that they have established one unit in Kavaratti. The Chairman directed the Department to establish other Air Quality Monitoring Stations in other Islands and record data under Air Quality Management Plan. The Director Science & Technology shall also submit proposal of the Air Pollution Control measures to CPCB on or before 1st May, 2020. (Action: The Director, S&T, Kavaratti)
5. **Establishment of Noise Measuring Devices:** The Chairman, District Committee directed the Department of Science & Technology to establish noise measuring devices in all inhabited Islands of Lakshadweep. The Department shall submit the status report on the tender process of the Noise Measuring Devices on or before the next meeting. (Action: The Director, S&T, Kavaratti)

6. **Establishment of Septage Treatment Plant:** The District Committee directed to the Department of Environment & Forest to enquire with the Ram Biologicals at Calicut for presentation of DPR on Septage Treatment Plant at Kavaratti through video conference due to Covid-19. The report shall be submitted within 7 days. (Action: The Conservator of Forests, E&F, Kavaratti)
7. **Creation of District Oil Spill Crisis Management Group:** The District Committee directed the Additional District Magistrate to constitute District Oil Spill Crisis Management Group within 15 days. (Action: The ADM, Collectorate, Kavaratti)
8. **Establishment of Vehicle Pollution Check Centres:** It was informed that the tender has already been processed to establish Vehicle Pollution Check Centres in all 9 Islands except Bitra. The District Committee directed the Department of Road & Transport to expedite the matter. (Action: The Director, Road Transport)
9. **Land for Biodegradable waste disposal facilities in Islands:** The Chairman directed to the Additional District Magistrate to identify the land for biodegradable waste disposal facilities in all the Islands for making Compost pit at the earliest. (Action: The ADM, Collectorate, Kavaratti)

The Committee meeting ended with thanks to the chair.


(Vijendra Singh Rawat, IAS)
District Collector & Chairman

F.No.108/4/2019-E&F(P&L),

Dated .04.2020

To

1. All the members concerned
2. The HOD's concerned for necessary action.

Copy to

1. The PA to Advisor to Administrator, UTL for kind information, please.

Sixth Quarterly Report in Compliance to the Orders Dated 16.01.2019 and 14.05.2019 in Original Application No. 606/2018 before the Hon'ble National Green Tribunal, New Delhi, on Behalf of Union Territory of Lakshadweep

The present report contains the progress that has been made pursuant to the order of the Hon'ble NGT of 14.05.2019 in compliance to the directive at para 45(ii) to furnish a quarterly report. This sixth quarterly report is submitted indicating the progress for the period from 01.08.2020 to 31.10.2020. Further it contains compliance to other Court directions. The point wise progress is given below.

1. As per the directive at para 45(i) the Advisor to Hon'ble Administrator conducted the State Level Advisory Body (SLAB) on Solid Waste Management Rules, 2016 meeting on 26.10.2020. The copy of the minutes is enclosed as **Annexure-R1**.
2. Meeting on State Level Advisory Body (SLAB) on Plastic Waste Management Rules, 2016 conducted by Secretary (Environment & Forests) on 22.10.2020. The copy of the minutes is enclosed as **Annexure-R2**.
3. Meeting on State Advisory Committee on Bio-Medical Waste Management Rules, 2016 conducted by Secretary (Health Services) on 26.10.2020. The copy of the minutes is enclosed as **Annexure-R3**.
4. The steps taken in compliance to Hon'ble NGT order on Solid Waste Management and other issues have been explained in the subsequent paragraphs.

Compliance to Solid Waste Rules including Legacy Waste:

5. The Department of Environment & Forest has been working for the segregation and collection of bio-degradable and non-biodegradable waste even after the enforcement of lockdown due to Covid-19 pandemic. There has been no slackness in this activity. With regard to transportation of empty cement bags, other single use plastics and few other items, the Geocycle India, ACC Limited, Salem is still under shutdown due to COVID-19 pandemic.
6. Environment & Forests Department conducted awareness programme such as Swachhta Hi Seva- Voluntary Cleaning Programme from 17th September, 2020 to 2nd October, 2020, Beach cleaning programme, lagoon cleaning



programme, distribution of eco friendly bags to school students and fisherman for creating awareness on plastic usage and its impacts.

7. Two 100 Kg incinerators were installed and commissioned at Kavaratti and Agatti. The incinerators for Amini, Androth and Minicoy reached in the islands and installation delayed due to travel restriction for technicians to reach the islands. Further the work order for the incinerators for the remaining islands also issued.
8. Krishi Vigyan Kendra has developed a successful model for household composting (Bio-Bins). The Lakshadweep Administration planned to promote such household composting by procuring bio-bins through KVK and distributing the identified the beneficiaries on priority in Kavaratti Island and subsequently to other islands.
9. Amini Island has been selected as Model Island for solid waste management under Shyama Prasad Mukherji Rural Mission (SPMRM). Department of Environment & Forests has prepared a project proposal for Rs.2.32 Cr. and submitted to the implementing agency for approval.
10. Five numbers of 4-wheeler closed compartmentalized vehicles are procured recently and using for collection of wastes in the Kavaratti (2), Agatti (1), Androth (1) and Minicoy (1). Twelve Nos of E-Rickshaw (battery operated) vehicles procured and reached at Kochi and same will be transported to island for transportation of Solid Waste.
11. Further, the supply order issued for procurement of solid waste processing machineries such as compost maker for Kavaratti Island, pet bottle shredder and husk shredder for all islands.
12. With regard to collection of User fee, an amount of Rs.82640/- (Rupees Eighty Two Thousand Six Hundred and Forty Only) collected from the Households/Establishments for the month of May and August, 2020 from the Head Quarter. The collection of userfee for the month of September and October is going on.
13. The Coconut Husk & Pith Management - 10000 capacity de-fibering plant commissioned in Fibre Factory at Head Quarter. The Coirfed and Coir Machinery Manufacturing Company have expressed their willingness for marketing the Fibre and Coir based products. Lakshadweep Administration

has also proposed to procure similar de-fibering plant at Agatti and Androth during this financial year.

14. With regard to establishment of Material Recovery Facility at Kavaratti, the work has been awarded.

Compliance to Plastic Waste Rules:

15. The Lakshadweep Administration has been working for the collection, segregation and disposal of non-biodegradable waste in all the inhabited islands. 86 MT non bio degradable wastes are transported to mainland during this year for recycling. 148 MT NBD wastes are ready to be transported.
16. UT of Lakshadweep Administration has banned 13 numbers single use plastic in addition to plastic carry bags in Lakshadweep with effect from 25.01.2019.
17. The Department of Environment & Forest has proposed to implement a Pilot Project on Faecal Sludge and Septage Treatment Plant (FSSTP) at Kavaratti Island, accordingly an Expression of Interest (EOI) was invited and a firm namely M/S Ram Biologicals has been finalised for the preparation of DPR. The firm has submitted feasibility report and a Detailed Project Report. The TEC met on 28.05.2020 through video conferencing and after detailed deliberations, the committee recommended re-submitting the DPR with certain modifications. Accordingly, the firm submitted DPR for 4.5 KLD. The TEC again met on 07.07.2020 and decided to send the DPR for any one of the National Institute for expert opinion. The DPR submitted to National Institute of Technology (NIT), Kozhikode for the expert opinion/technical feasibility report.
18. The Department of Environment & Forests notified Solid Waste Management Bye Law, 2018 along with Plastic Waste Management and also decided to prepare a separate Bye Law for Plastic Waste Management in Lakshadweep.

Compliance to Bio -Medical Waste Rules

19. The red, blue and white bags containing disinfected waste are disinfected in the concerned Health Care Establishments (HCEs) and transported to IMAGE, the Common Biomedical Waste Treatment Facility of Kerala.

20. It is submitted that the Department of Health Services installed and commissioned shredders in all islands and autoclaves in all Islands except Agatti and Androth. The installation of autoclave in these islands will be completed within a week.
21. In terms of the Orders dated 21.04.2020 and 24.04.2020 passed by this Hon'ble Tribunal in the matter of OA No.72/2020 regarding proper management of bio-medical waste generated during Covid-19 situation, it is submitted that presently in Lakshadweep there is no Covid-19 positive case and the territory has been categorised as 'green zone' as on date. However, the Department of Health Services has already circulated the guidelines for handling, treatment and disposal of waste generated during treatment/diagnosis/ quarantine of Covid-19 patients issued by the CPCB, New Delhi.
22. Lakshadweep Covid Screening Centre at Kochi is also affiliated with IMAGE, the Common Biomedical Waste Treatment Facility of Kerala and the generated biomedical wastes are collected by the IMAGE.
23. The authorization of the remaining HCFs will be issued by this month on completion of the installation waste treatment facilities.

Compliance to Hazardous Waste Rules:

24. Lakshadweep Administration has executed an agreement on 16.09.2020 with M/s.CeeJee Lubricants, Aluva, Kerala an authorised dealer for collection, transportation and processing of Hazardous Waste (used/waste oil) and Department of Electricity has already transported 39400 Ltrs of used/waste oils from various islands to Beypore to handover to the recycler.
25. Lakshadweep Pollution Control Committee has forwarded the format for providing the information with reference to directions of the Tribunal dated 07.07.2020 in the matter of OA 804/2017 (April to September, 2020) and also submitted the quarterly report for July to September, 2020. The copy of the letter and formats are enclosed as **Annexure R-4**.
26. The Road and Transport Department has already processed the e-tender process for establishment of Vehicle Pollution Check Centers. But, the same is pending due to situation emerging out of COVID-19 Pandemic.




Compliance to E-Waste Rules:

27. Pursuant to the decision of the State Level Committee, the LPCC has selected M/s. Mahalaxmie-Recyclers Pvt. Ltd, HO. J-5, MIDC, Gokul Shirgaon, Kolhapur 416 234 (Maharashtra) and has issued work order on 29.04.2020 and the action is under progress for executing the agreement and transportation of E-Waste to mainland for final disposal.

Rejuvenation of Water bodies:

28. In compliance to the order dated 01.06.2020 of Hon'ble NGT in MA No.26 of 2019 in OA 325 of 2015 – Rejuvenation of Water Bodies, a meeting was convened on 18.06.2020 under the Chairmanship of Collector, UTL. Out of 456 identified, abandoned/damaged ponds, 218 ponds have been already rejuvenated, and action plan for the rejuvenation of remaining 238 ponds prepared and approved by the Jal Shakti Abhiyan. The Estimate and other details for rejuvenation shall be provided by Director, Panchayath, UTL and the technical support will be extended by Department of Science & Technology & LPWD, UTL. A first installment Fund of Rs 25 Lakhs for the execution of the rejuvenation of water bodies allocated to various Village (Dweep) Panchayath for executing work. The Director of Panchayath informed that Village (Dweep) Panchayath have initiated works on rejuvenation of ponds. Further it is informed that the work is delaying on non availability of construction materials due to Covid-19 situation. The copy of the letter is enclosed as **Annexure R-5**.

Submitted for kind consideration please.


P. KRISHNAMURTHY IAS
Advisor to Administrator

File No: LD-03002/2/2020-LPCC-UT-LKS

Dated 9.11.2020

Minutes of 14th State Level Advisory Body (SLAB) meeting on Solid Waste Management dated 26.10.2020 in U.T of Lakshadweep Administration

The 14th State Level Advisory Body (SLAB) meeting on Solid Waste Management was held on 26.10.2020 at 03.00 PM under the Chairmanship of Advisor to Administrator and Chairman, SLAB UTLA, Kavaratti. The members who attended in the meeting are shown at **Annexure-I**

The Secretary Environment & Forest welcomed the Chairman and SLAB members. The agenda was then taken up through a PPT presentation by Dr.K.Syed Ali, RFO & Member Secretary, SLAB. After a detailed discussion the SLAB has taken the following decisions.

- I. **Door to Door Collection and Segregation of Solid Waste:-** The department apprised that, 100% door to door collection and segregation of both Biodegradable & Non Biodegradable Waste taking place in all ten inhabited Islands. (Action: Dept. of E&F)
- II. **Scientific Disposal of Solid Waste :-**
 - a. The dept. apprised that 5 nos of 4-wheeler closed compartmentalised vehicles are procured through Gem are put to use (Kavaratti-2, Agatti-1, Andrott-1 and Minicoy-1)
 - b. Twelve nos of E- Rickshaws (battery operated) procured through Gem and reached at Kochi. One each will be transported to all Islands and 3 will be brought to Kavaratti for the transportation of Solid Waste to CGD.
 - c. Two New 100 kg incinerators installed and commissioned at Kavaratti and Agatti Islands. All materials already reached for Amini, Andrott and Minicoy Islands and the installation delayed due to travel restrictions for the technicians to reach Lakshadweep. Further, the work order for other Islands also issued for installation of Incinerators, which is delayed due to COVID pandemic.
 - d. Transportation of item wise segregated NBD (waste) Resource materials for Recycling to Mainland – (i) 2018-2019 – 486 MT; (ii) 2019-2020 – 294 MT (iii) 2020-2021- 86 MT transported . Presently, a total of 148 MT NBD waste of all Islands ready to be transported, which is delayed due to COVID-19 restrictions.
 - e. Tender finalised and Supply order issued for procurement of Solid Waste processing Machineries such as (i) Compost Maker -2 Nos for Kavaratti Island; (ii) Pet Bottle Shredder – 10 Nos (iii) Husk Shredder – 10 Nos (for all Islands)
 - f. LPWD issued work order for development of Material Recovery Facility in CGD, Kavaratti.
 - g. Collection and Scientific Disposal of kitchen waste temporarily stopped at Kavaratti. The thumboor model for kitchen waste is under construction. The same will be resumed once the infrastructure and installation of required machineries for compost making completed. Compost making through pit compost for all leaf litter waste collected throughout daily sweeping.
 - h. Krishi Vigyan Kendra (KVK) has developed a successful model for household composting (Bio-Bins). The department has planned to promote such household composting by procuring Bio-Bins through KVK & distributing the same to identified beneficiaries on priority in Kavaratti Island and subsequently to other Islands. (Action: Dept. of E&F)
- III. **Development of Amini Island as Model Island for Solid Waste Management:-** The department apprised that, Amini Island has been selected as model Island for Solid Waste Management under Shyama Prasad Mukherji Rurban Mission (SPMRM) and the total 2.32 Crore projects have been proposed and submitted to the implementing agency. After getting the requisite approval, the dept. will take further course of actions. (Action: Dept. of E&F)
- IV. **Bio Toilet/ Septage Treatment Plant for Faecal Sludge Management:-**
 - a. The Dept. of Science & Technology had successfully implemented pilot project on Bio-toilets for the management of faecal sludge in Kavaratti, Andrott & Bitra islands. It was decided to extend in all households of Lakshadweep. The Dept. of Science & Technology had issued e-tender for all the households of Lakshadweep for Faecal Sludge management in Lakshadweep Islands. The Dept. of S&T has been further directed to prepare a Self Contained Note on the implementation of Biotoilets and its total cost etc. (Action: Dept. of S&T)

(Signature)

Minutes of 2nd State Level Advisory Body (SLAB) meeting on Plastic Waste Management dated 22.10.2020 in U.T of Lakshadweep Administration

The 2nd State Level Advisory Body (SLAB) meeting on Plastic Waste Management Rule, 2016 was held on 22.10.2020 at 04.30 PM under the Chairmanship of Secretary Environment & Forest and Chairman, SLAB UTLA, Kavaratti. The members who attended in the meeting are shown at Annexure-I

The Chairman welcomed the SLAB members. The agenda was then taken up through a PPT presentation. After a detailed discussion the SLAB has taken the following decisions.

I. Door to Door Collection and Disposal of Plastic Waste:-

- a. 100% door to door collection and segregation/disposal of Plastic Waste taking place in all ten inhabited Islands. It has been further decided to explore the possibility to procure more durable FRP waste bins for the door to door collection of household wastes from the Boat Building yard under Dept. of Fisheries. (Action: Dept. of E&F/Dept. of Fisheries)
- b. Transportation of item wise segregated NBD (waste) Resource materials for Recycling to Mainland – (i) 2018-2019 – 486 MT; (ii) 2019-2020 – 294 MT (iii) 2020-2021- 86 MT transported. Presently, a total of 148 MT NBD waste of all Islands ready to be transported, which is delayed due to COVID-19 restrictions. (Action: Dept. of E&F)

II. Installation of Incinerators:- It is apprised that, two new 100 Kg incinerators installed and commissioned at Kavaratti and Agatti Islands. All materials already reached for Amini, Andrott and Minicoy Islands and the installation delayed due to travel restrictions for the technicians to reach Lakshadweep. Further, the work order for other Islands also issued for installation of Incinerators, which is delayed due to COVID pandemic. (Action: Dept. of E&F)

III. Ban on Single Use Plastics in UTLA:- The UTLA banned 13 Nos single use plastic in addition to plastic carry bags in Lakshadweep with effect from 25th January 2019. It has been further directed to authorize all the Officer in Charge of Dept. of Environment & Forest in respective Islands to ensure inspection in shops/hotels/other establishments etc regularly in every month and thereafter to submit the status report on the same to the Head Quarter. (Action: Dept. of E&F/ OICs of All Islands)

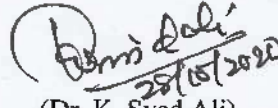
IV. Plastic Waste Management Bye law :- The department already notified Solid waste Management Bye law, 2018 along with Plastic Waste Management. It has been further decided to prepare a separate Bye Law for Plastic Waste Management in Lakshadweep. (Action: Dept. of E&F)

V. Awareness Programmes:-

- a. The department conducted awareness programs such as Swachhta Hi Seva – Voluntary Cleaning Programme From 17th September to 2nd October 2020, Beach Cleaning Programme, Lagoon Cleaning Programme, Distribution of Eco-friendly bags to School Students and kits to Fishermen for creating awareness on plastic usage and its impacts. (Action: Dept. of E&F)
- b. It has been further decided to continue such awareness /capacity building programs in all Islands to Public/School Students/NSS Volunteers etc. (Action: Dept. of E&F/ OICs of All Islands)

VI. Enforcement Mechanism:- It has been directed to LPCC for strict enforcement and implementation of the regulatory mechanism for reducing the pollution in Lakshadweep Islands. (Action: Dept. of E&F/LPCC)

This is issued with the approval of Secretary, Environment & Forest and Chairman, SLAB vide Diary No.1106 A dated 28.10.2020


(Dr. K. Syed Ali)
Member Secretary, SLAB

F.No.66/7/2018-E&F ¹³⁷³ **Dated 28.10.2020**

To

1. All the Members concerned.

Copy to:

1. The PA to Advisor to Hon'ble Administrator, UTLA, for kind information please.
2. The PA to Secretary, Environment & Forest and Chairman, SLAB for Plastic Waste Management, UTLA, for kind information please.

Minutes of the meeting of State Advisory Committee
constituted to implement Biomedical Waste Management Rules 2016
held under the chairmanship of Secretary (Health) on 26.10.2020 at 4.00 pm (643)

Meeting of the State Advisory Committee constituted to implement the Biomedical Waste Management Rules 2016 in the UT of Lakshadweep was held on 26.10.2020 at 4.00 pm under the chairmanship of the Secretary (Health) in the Secretariat Conference Hall. The following officers were present in the meeting.

1. P Krishnamurthy IAS : Secretary (Health) & Chairman (SAC)
2. Shri Hassan Bodumukhagothi : President cum Chief Councilor (DP)
3. Shri T Abdul Khader : Chairperson VDP Kavaratti
4. Damodar AT IFS : Conservator of Forests E&F
5. Sachin Sharma IPS : Director (Port Shipping and Aviation)
6. Dr MK Mohammed Aslam : Director (Health Services) & District Health Officer
7. Shri. Shahjahan : Superintending Engineer (LPWD)
8. Shri P Pookoya : Member Secretary (LPCC)
9. Dr M I Koya : Director (Animal Husbandry)
10. Dr Attakoya : District Animal Husbandry Officer
11. Dr Sabitha F Hassan : Public Health Specialist & Nodal Officer (BMWM)

At the outset, P Krishnamurthy IAS, Secretary (Health) and the Chairman of the Committee welcomed the members. Dr MK Mohammed Aslam, Director Health Services, briefed the context of the meeting. The Chairman of the Committee directed to present the status of implementation as per the requirements under the Biomedical Waste Management Rules 2016. Dr Sabitha F Hassan, Public Health Specialist and Nodal Officer (Biomedical Waste Management) presented the action taken on the minutes of the last meeting of the State Advisory Committee. The other agenda points on the implementation of the Biomedical Waste Management Rules 2016 in the islands of UTL were also discussed in detail. Dr Suresh Kumar M, Joint Secretary IMAGE could

not join the meeting online due to network issues and the suggestion sent through email is considered.

After detailed deliberations, the Committee decided the following considering the administrative and other constraints and feasibility of implementation of the decisions in a time bound manner in the islands of UTL.

1. Authorization of Health Care Establishments: Authorization to the remaining eight (8) bedded Health care Facilities in 7 islands to be issued after installation of Autoclaves.

(Action: Dept of Health, UTL and LPCC)

2. MoU / Linkage with IMAGE: Memorandum of Understanding (MoU) executed between UTLA and IMAGE Kerala for final disposal of disinfected Red, Blue and White category of Biomedical Waste. All the HCE in the islands are affiliated with IMAGE and the transportation of Biomedical Waste facilitated through the temporary storage site at Kochi. The process may be monitored by all concerned.

(Action: Dept. of Health, UTL and LPCC)

3. Implementation of Barcode System: With the support of IMAGE Kerala, the Barcode System as per Biomedical Waste Management Rules 2016 is implemented in the UTL. Regular and uninterrupted supply of colour coded bar-coded bags for collection and segregation of Biomedical Waste generated in the HCE to be ensured.

(Action: Dept of Health / Dept of Animal Husbandry)

4. Installation of Autoclaves in the remaining islands of Lakshadweep: The service engineer of the supplier has started the installation of Autoclave in the remaining islands and is expected to be completed by 30th November 2021. The engineers may also be instructed to complete the preventive maintenance of the Autoclaves installed at Kavaratti, Amini and Kadmath

(Action: Dept. of E&F)

5. Commissioning and repair of Incinerators in the islands of Lakshadweep: The Conservator of Forest & Secretary (E & F) informed that repair of the incinerator installed at Kavaratti is delayed due to COVID-19 pandemic. The commissioning and installation of incinerator in the remaining islands is expected to be completed by 31st March 2021.

(Action: Dept. of E&F)

6. Creation of a Biomedical Waste Management Cell and Engagement of Human Resources exclusively for Biomedical Waste Management: The implementation of Biomedical Waste Management Rules 2016 and the orders of the Hon'ble National Green Tribunal issued from time to time require urgent and time bound actions. The Secretary E & F suggested the services of Junior Consultant (Biomedical Waste Management) posted at Dept. of E&F can be utilized to assist the Nodal Officer in the Department of Health Services. Biomedical Waste Management is a continuous process and requires exclusive dedicated and trained manpower in the Health Care Establishments for the smooth and uninterrupted collection, transportation and disposal of all untreated biomedical waste within 48 hours. Therefore, the committee recommended for deployment of trained Biomedical Waste Handlers in all islands.

(Action: Dept of E&F, Dept of Health UTL)

7. Shredding of Red and Blue category of waste: As suggested by Joint Secretary IMAGE, the items shall be sorted first (either after autoclaving and disinfecting or at the source itself by using separate bags for separate items) as below and then shredded before transporting to IMAGE.

Red category Biomedical waste scrap

- a. Plastic Syringes
- b. IV Fluid bottles
- c. Yellow (Rubber) Gloves
- d. Blue Gloves
- e. Green Gloves

- f. Blood bags (emptied)
- g. Plastic syringes (mixed)
- h. Lab Plastic Waste (Vacutainers)
- i. Plastic Tubes (IV Lines, Ryles Tube, etc)
- j. Mixed Plastics
- k. Red covers

Blue category Biomedical Waste scrap

- a. Glass bottles
- b. Metallic implants

(Action: Dept of Health/Animal Husbandry UTL)

8. Transportation of disinfected Red, Blue and White Category of Biomedical Waste to IMAGE: Based on the discussions held, the Committee recommended that the HCE shall transport the disinfected Red, Blue and White category of Biomedical Waste from the islands in ships to Kochi under intimation to the Store Superintendent LMS Kochi, IMAGE and the Nodal Officer (BMWM) DHS Kavaratti. The Store Superintendent LMS Kochi shall transport the items to the Intermediate Storage Site at Kochi and inform the biomedical waste collection team of IMAGE at Kochi for further transport to IMAGE Common Biomedical Waste Treatment Facility at Palakkad Kerala at the earliest.

(Action: Dept of Health, UTL/Animal Husbandry, E&F and LPCC)

9. Payment of IMAGE service charges and cost of bar-coded colour coded bags and other consumables: Payment of IMAGE service charges and cost of bar-coded colour coded bags and other consumables shall be met from the component of Biomedical Waste Management under Grant in Aid to DP.

(Action: Dept of Health, UTL/Animal Husbandry, E&F and LPCC)

10. Identification of land for deep burial in all islands: An area measuring 200 sqm shall be identified from the burial ground in the islands and earmarked for deep

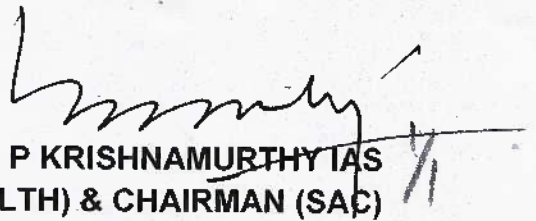
burial of yellow category of Biomedical Waste till the installation of incinerators is complete in all the islands.

(Action: Dept of Health, UTL / Collector UTL)

11. Establishment of Effluent Treatment Plant in Health Care Establishments of Lakshadweep: The possibility of customized and ready to install Effluent Treatment Plant for HCE in the islands of UTL shall be explored.

(Action: Dept of Health/Animal Husbandry, UTL and LPCC)

The meeting ended at 5.00 PM with thanks to the chair.


P KRISHNAMURTHY IAS
SECRETARY (HEALTH) & CHAIRMAN (SAC)

To

1. All concerned.
2. The Collector UTL
3. Director (Port Shipping and Aviation)
4. Superintending Engineer (LPWD)

Copy to

1. PA to the Hon'ble Administrator, UTL for information
2. PA to the Advisor to the Administrator, UTL for information
3. PA to the PCC for information
4. The Chairperson VDP Kavaratti



File No: LD-03006/8/2019-LPCC-UT-LKS

Dated: 23.10.2020

To

Shri Abhey Singh Soni,
Additional Director & Head
Waste Management II Division,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi- 110 032
E-Mail: abheysoni@gmail.com

Sub: Orders of the Hon'ble NGT w.r.t. Compliance of Hazardous and Other Wastes
(Management and Transboundary Movement) Rules, 2016-Reg
Ref: Your Letter dated 23.07.2020 & e-mail dated 15.10.2020

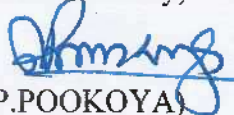
Sir,

Kindly refer your letter mentioned in the subject above. The requisite the details in respect of the Orders of the Hon'ble NGT w.r.t. Compliance of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 is enclosed for further necessary action.

This is issued with the approval of Chairman, LPCC and Advisor to the Administrator, of UT of Lakshadweep in Note #58 dated 23.10.2020.

Enclosure: As above

Yours faithfully,


(P. POOKOYA)

Member Secretary, LPCC

Copy to: - PA to the Advisor to the Administrator, UTL/Chairman, LPCC

23/10

Annexure-I

Format for providing information w.r.t. directions of the Tribunal dated 07/07/2020 in the matter of 804/2017 (April, 2020-September, 2020) by Chief Secretary.

Lakshadweep

S. No.	Recommendations	Information required to submitted	Action Taken
A	Pertaining to State Government /UT Administration		
1	<i>Hon'ble NGT vide orders dated 07.07.2020 directed that ".....The Chief Secretaries of the State at State level and Ministry of Environment, Forest and Climate Change (MoEF&CC) and CPCB at National level may monitor compliance..."</i>	<p>i. Whether the State/UT Govt/Admin has taken action to monitor the implementation of recommendations of the Monitoring Committee in the interim and Final report (related to State/UT and SPCBS/PCCs)? If yes, Kindly provide details (viz., committees constituted, meetings conducted, Office memorandum issued etc.)</p> <p>ii. If no, please provide the action plan with timeline</p>	<p>➤ A State Level Monitoring Committee has constituted vides order dated 27.02.2020 for the implementation of Hazardous and Other Waste (Management and Transboundary Movements) Rules, 2016 (Copy of Order enclosed).</p> <p>➤ A meeting conducted under the Chairmanship of Advisor to the Administrator, UT of Lakshadweep for effective implementation of Hazardous Other Waste (Management and Transboundary Movements) Rules, 2016 (Copy of the minutes of the meeting attached)</p>
2	<i>States/UTs who have not responded (w.r.t. effective and urgent implementation of the provisions of the rules as stipulated under Rule 5(2) of HOWM Rules, 2016 by Department of Labour) is required to provide compliance status within three months, otherwise Hon'ble NGT may consider imposing environmental compensation, appropriately, as per directions of the Orders dated 26.08.2019.</i>	<p>i. Whether the State/UT Govt/Admn has taken action to sensitize about duties to be performed by concerned department/ agency?</p> <p>(a) If yes, please provide details (b) If no, kindly provide action plan with timeline.</p>	<p>Yes, Lakshadweep Pollution Control Committee has compiled the inventories of the hazardous wastes in the Lakshadweep islands. Used/ Waste Oil and used batteries are the available hazardous waste materials in Lakshadweep. Administration has assigned the responsibility with Department of Electricity to storage and transportation of waste/used oil and used batteries from the concerned island to the mainland. Due to the absence of authorized</p>

	(State Government /UT Administration: 03 months)		recyclers, processors or other utilizers in these islands, Lakshadweep Administration has issued work order to M/s Cee Gee Lubricants, Aluva, Kerala for final disposal.
3	States/UTs who have responded is required to ensure strengthening of institutional capacities for effective implementation of the Rule 5 followed by monitoring through Chief Secretaries of State Government /UT administration. (State Government / UT Administration: 05 months)	<p>ii. Which Department/agency has been authorized by State Government/UT Administration to ensure earmarking or allocation of industrial space or shed for recycling, pre-processing and other utilisation of hazardous or other waste in the existing and upcoming industrial park, estate and industrial clusters,</p> <p>(a) Whether the agency authorized as at (ii) above, has earmarked or allocated industrial space/shed for recycling, preprocessing and other utilisation of hazardous or other waste.</p> <p>(b) If yes, please provide no. of areas earmarked /allocated and activities for which area has been earmarked.</p> <p>(c) If no, kindly provide action plan with timeline.</p> <p>iii. Which Department/agency has been authorized by State Government / UTAdministration for recognition and registration of workers involved in recycling, pre-processing, and other utilization activities? Please also provide details of the recognition and registration of</p>	<p>In the Lakshadweep there is no existing and upcoming industrial park, estate and industrial clusters.</p> <p>In Lakshadweep there are no activities involved in recycling, pre-processing, and other utilization hence no workers in this field.</p>

		<p>workers</p> <p>(a) Whether the agency authorized as at (iii) above, has assisted in formation of groups of such workers to facilitate setting up such facilities? If yes, please provide no. of such groups formed and no. of workers in each groups. If no, please provide action plan with timeline.</p> <p>(b) Whether the agency authorized as at (iii) above, has undertaken industrial skill development activities for the workers involved in recycling, pre-processing and other utilization. If yes, please provide details of such skill development activities undertaken. If no, please provide action plan with timeline.</p> <p>(c) Whether the agency authorized as at (iii) above, has undertaken annual monitoring for safety and health of workers involved in recycling, pre-processing and other utilization. If yes, please provide details of the annual monitoring carried. If no, please provide action plan with timeline.</p> <p>iv. Whether State Government/UT Administration has prepared integrated plan or effective implementation of these provisions and submitted annual report to the MoEF&CC.</p>	<p>NA</p> <p>No, since there ^{is} no existing or upcoming industrial park, estates or industrial clusters.</p>
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		<p>ii. If yes, provide the nos. of hazardous waste generating units exist in the UT.</p> <p>iii. Whether authorization granted to all [above at (ii)] units.</p>	<p>10 power house and 24 small automobile workshops</p> <p>No, Lakshadweep Administration has identified a recycler at mainland recently, so the Lakshadweep Pollution Control Committee will issue direction to all the hazardous waste generators to apply for the authorization. This task will complete by 31st December, 2020</p>
6	<i>Take necessary action for compliance to the HOWM Rules, 2016 and recommendations of the Monitoring Committee</i>	i. Provide information as per format appended at Appendix-B.	Attached
7	<i>Shall also ensure compliance to the action points suggested by Monitoring committee and submit report to CPCB in prescribed format</i>		
8	<i>Board shall be directed to submit the status on setting up of TSDF or sharing arrangement with authorized common TSDFs of neighbouring states</i>	<p>i. Provide progress made w.r.t. setting up of TSDF or sharing arrangement with authorized common TSDFs of neighbouring states.</p> <p>ii. Provide copy of agreement, in case sharing agreement made with authorized common TSDFs of neighbouring states.</p>	<p>The hazardous/other wastes like used oil (waste oil) and lead acid batteries have storage facilities in respective islands and UT of Lakshadweep Administration has identified an authorized recycler for used/waste oil at Aluva, Kerala and transport the items to the mainland for final disposal.</p> <p>Agreement/MoU between Lakshadweep Electricity Department and authorized recycler is enclosed.</p>
B.	Pertaining to Final Report of Monitoring Committee		
1	Action point 15: Clearance of Waste Oil /Sludge from Ships:	i. No. of Ports (Major/Minor including	There are no major/minor port in Lakshadweep islands. The waste generated from the Lakshadweep

	<p><i>Concerned SPCBs/PCCs or Port Authorities of State/UT to grant/obtain necessary authorization to cover hazardous wastes generated from both normal port operations /activities and all ship generated wastes (MARPOL annexes) (e.g in case of used /waste Oil authorization for Cat. No. 5 and Cat. No. 3 of HOWM Rules, 2016). The same be also covered in the annual report submitted as per HOWM Rules, 2016. (SPCBs/PCCs and Port Authorities: 05 months)</i></p>	<p>river ports)/ ICDs/CFCs exist in the State/UT.</p> <p>ii. Number of ports*/ICDs/CFCs authorized by the Board as per HOWM Rules, 2016 along with details of the categories of hazardous & other waste authorized for generation and management:</p> <p>iii. No. of ports*/ICDs/CFCs scientifically evaluated before grant of authorization:</p>	<p>Administration run ships/barges is cleared at Kochi port and is handed over to the authorized recyclers for final disposal by the operating agency, LDCL.</p>
2	<p>Action point 15: Clearance of Waste Oil/Sludge from Ships: SPCBs/PCCs shall ensure that all the ports (including minor ports), ICDs/CFSs have mandatory authorization as per HOWM Rules, 2016. The said authorization shall be granted by the SPCB/PCC after due scientific evaluation. (SPCBs/PCCs: 05 months)</p>	<p>iv. No. of ships handled by individual ports* and Containers by individual ICDs /CFCs (per day/month):</p> <p>v. Quantity of waste generated (MARPOL annexes) from per ship:</p> <p>vi. Category –wise details on quantity of HW generated and handled** by each of the Ports*/ICDs/CFCs during 2019-20.</p> <p>vii. Whether the HW generated/handled by Ports*/ICDs/CFCs have been reported by the SPCB/PCC in the annual inventory.</p> <p>viii. No. of Ports*/ICDs/CFCs found violating provisions (manifest system, labeling/packaging/ records maintain, etc) of HOWM Rules,</p>	

		<p>2016.</p> <p>ix. Action taken by SPCB/PCC against such violators.</p> <p><i>*Ports includes all the major/minor and river ports.</i></p> <p><i>**Includes waste sent to recycler/ utilizer /coprocessor/disposal facility along with name of such facilities.</i></p>	
3	<p>Action point 18: Collaboration between regulating authorities: <i>SPCBs/PCCs along with Customs and Port authorities to ensure regular interaction among themselves for better compliance of import and export related issues and management of ship wastes.</i> (MoEF&CC, CPCB, SPCBs /PCC, Customs and Ports Authorities: On a regular basis)</p>	<p>i. Number of interactive sessions/ workshops organized by the Board in this regard:</p> <p>ii. Number of interactive sessions/ workshops attended by Board's Officials apart from above.</p> <p>States/UTs which also have Minor ports/River ports/ICDs/CFCs</p>	<p>Training on Hazardous and Other Wastes has been conducted at Kavaratti on 15.07.2019.</p> <p>Nil</p> <p>NA</p>
4	<p>Action point 19: Availability of Waste Reception Facilities at ports: <i>SPCBs/PCCs may coordinate with DG(S) and Port Authorities for implementation of the aforesaid notification for environmentally sound management and disposal of ship wastes. (SPCBs/PCCs: 05months)</i></p>	<p>i. No. of ports having Waste reception facility.</p> <p>ii. No. of Waste reception facilities authorized under HOWM Rules, 2016 along with details of the categories of hazardous & other waste authorized for generation and management:</p>	<p>Nil</p> <p>NA</p>
5	<p>Action point 20: Authorization for the waste reception facilities and ports: <i>SPCBs/PCCs shall ensure authorization is granted to Ports and Waste reception facility available at all ports and all the</i></p>	<p>iii. Action taken by SPCB/PCC to ensure availability of waste reception facility as per Ministry of Shipping</p>	<p>NA</p>

		v. Provide action taken report on steps taken to ensure strengthening of institutional capacities for effective implementation of Rule 5 of HOWM Rules, 2016.	UT of Lakshadweep has no existing or upcoming industrial park, estates or industrial clusters.
B.	B. Pertaining to State Pollution Control Board/Pollution Control Committee		
1	<i>20 recommendations (i.e. 11 pertaining to interim report and 09 pertaining to final report) pertaining to SPCBs/PCCs.</i>	Ensure timely submission of information as per enclosed format at Appendix-A.	

Appendix-A

Format for providing information w.r.t. directions of the Tribunal dated
07/07/2020 in the matter of 804/2017 (April, 2020-September, 2020) by
SPCBs/PCCs

Lakshadweep

S. No.	Recommendations	Information required to submitted	Action Taken/Present status
A	Pertaining to Interim Report of Monitoring Committee		
1	<i>SPCBs/PCCs shall ensure timely submission of annual returns by all occupiers and in case of non compliances (i.e. for non submission/ after lapse of timeline) action may be taken in accordance with the provisions laid down under the HOWM Rules, 2016.</i>	i. Total No. of operating hazardous and other wastes handling units: ii. How many hazardous or other waste generating units [of (i) above] have submitted annual returns by 30th June of preceding year: iii. How many units [of (i) above] have submitted annual returns after 30th June of Preceding year: (No.s) iv. How many units [of (i) above] have not submitted annual return for preceding year: (No.s) v. In how many units [of (iii) & (iv) above] action has been taken by SPCB?	10 power houses and 24 small automobile workshops. Nil, Lakshadweep Administration has identified an authorized recycler at mainland recently, so the Lakshadweep Pollution Control Committee will issue direction to all the hazardous waste generators to apply for the authorization. This task will complete by 31 st December, 2020. After granting the authorization, LPCC will direct the waste generators to submit their annual return by 30 th June in every year.
2	<i>SPCBs/PCCs shall prepare annual inventory report on hazardous and other</i>	i. Of the numbers of hazardous or other waste generating units, who	Nil

	<i>waste generation and its management, as per CPCB's guidelines and ensure submission of same within stipulated timeframe as laid down under HOWM Rules, 2016.</i>	have submitted annual returns, nos. of units are randomly verified, as per CPCB's guidelines, (Nos.): ii. Provide the list of such units.	
3	<i>SPCBs/PCCs to ensure verification and reconciliation of closing of manifest document for all the cases in Hazardous waste handling / generating units</i>	i. In how many units, verification of closing of manifest documents and reconciliation of the same were done by SPCB (during the said period). ii. Of which, how many pertains to interstate movement and within the state?	Nil
4	<i>SPCBs/PCCs to ensure regular updation of website with respect to all enforcement actions along with details of industries and action taken thereof.</i>	i. Whether website of SPCB has been updated w.r.t. all enforcement actions along with (a) details of industries, (b) date of inspection including collection of effluent or other samples, (c) whether unit is compliant or not, (d) if noncompliant then action taken including the date of notice if any sent to defaulter and action taken pertaining to HOWM Rules: (Yes/No) ii. Provide specific link of all enforcement action uploaded in Board's website. iii. Provide details of defaulting units as per Table I given below.	There are no hazardous waste industries. The LPCC website is already created and shall be functioning shortly.
5	<i>Shall initiate action for identifying hazardous waste generating unit and grant authorization to such units available in the UT.</i>	i. Whether action initiated for identification of hazardous waste generating unit? (Yes/No)	Yes

	<p><i>provisions of HOWM Rules, 2016 (i.e. authorization, manifest system, inventorisation etc.) are being followed by Ports and Waste Reception Facilities. (SPCBs/PCCs : 05 months)</i></p>	<p>Notification.</p> <p>iv. Category –wise details on quantity of HW generated and handled** by each of the Waste reception facility during 2019-20.</p> <p>v. No. of Waste reception facilities found violating provisions (manifest system, labeling/packaging/records maintain, etc) of HOWM Rules, 2016.</p> <p>Action taken by SPCB/PCC against such violators.</p>	<p>NA</p> <p>NA</p>
6	<p>Action point 26: Display of information outside the factory gate: SPCBs/PCCs shall ensure that verification of Installation / updation of display boards at all the Hazardous waste generating units on a continuous basis. (SPCBs/PCCs : 05 months)</p>	<p>i. Number of hazardous waste generating units in the state:</p> <p>ii. Number of units installed display board:</p> <p>iii. Of (ii) above, how many has been verified by the Board:</p> <p>iv. Number of hazardous waste generating units not installed /updated display board: Action taken by the board, in case of non-compliances observed:</p>	<p>No hazardous waste generating factories in these islands, however the DG sets in the power house and small automobile workshops only generating waste/used oils.</p> <p>Nil</p> <p>Nil</p> <p>Nil</p>
7	<p>Action point 27: Institutional Reforms: SPCBs/PCCs shall ensure that adequate manpower is available with the PCB/PCC, training shall be regularly provided with emphasis on scientific evaluation and management of hazardous waste.</p>	<p>i. Is adequate manpower available with SPCB/PCC:</p> <p>ii. Steps taken to ensure adequate manpower is made available in SPCB/PCC and timeline for the same.</p>	<p>Yes</p>

		<p>iii. No. of training programs organized by SPCB/PCC during FY-2019-20.</p> <p>iv. No. of training programs attended by SPCB/PCC officials (which are organized by other agencies).</p> <p>*Please provide topic of the training programmes organized by Board and no. of officials attended the same.</p>	<p>1</p> <p>Nil</p> <p>NA</p>
8	Action point 27: Institutional Reforms: <i>SPCBs/PCCs should have adequate laboratory infrastructure for analysis of HW parameters.</i>	<p>i. No. and list of Hazardous waste parameters for which facility for analysis is available with SPCB/PCC. Provide details as per format appended at Appendix-C.</p> <p>ii. Steps taken to provide adequate laboratory infrastructure for the remaining parameters in the SPCB /PCC and timeline for the same.</p> <p>iii. In case of non- availability of the infrastructure current practice of the SPCB/PCC for analysis of HW parameters.</p>	<p>There are no Hazardous wastes generating industries/ establishments in Lakshadweep. If required to analyse any parameter in future the LPCC will approach accredited laboratory in Kerala.</p> <p>NA</p>
9	Action point 27: Institutional Reforms: <i>R&D work shall be regularly carried out by the SPCBs/PCCs either individually, in collaboration with other SPCBs/PCCs and expert technical Institutes/agencies. Continuous dissemination of information and awareness programs shall be carried out by</i>	<p>i. Details on:</p> <p>(a) R&D activities conducted. Please provide details of the R&D activities carried out during FY:2019-20 along with its outcomes and impact on environment.</p> <p>(b) Advocacy programs carried out</p>	<p>Nil</p>

	<i>the SPCBs/PCCs. (SPCBs/PCCs: 05 months)</i>	for promoting the cleaner technology. Please provide details of the topic and stakeholders included during the said programme.	NA
		ii. If not carried (a) and (b), above, please provide the details on action plan proposed for compliance to said activities.	NA

Table 1: Details on Defaulting Units

S.No.	No. of Defaulting units	No. of Habitual defaulters	No. of units against which action has been taken				
			Rule 23(1) Enforced	Rule 23(2) Enforced	Refusal/ Revocation	Prosecution under E(P)A, 1986	FIR lodged
1							

**Format for reporting implementation and monitoring of various
Recommendations of the Monitoring Committee**

For Quarter: July- September, 2020

Name of SPCB/PCC: Lakshadweep

Compliance Status as on: 14.03.2020

A. Basic Information

1. (a) Whether scientific principles based identification & quantification of hazardous and other wastes are carried out at the authorization stage by the Board itself: **Yes**

(b) Whether (1) (a) above is carried out through third party: (Yes/No) if yes,
NO, the waste generation is very less quantity, so there is no third party.

(c) provide details of the third party:

(d) If No, timeline for adopting the same.

2. (a) Whether authorization is granted/renewed by evaluation by SPCB officials or through evaluation of expert committee? (Yes/No) : **No**

If yes, field of specialization of experts in the committee?

If no, time line (month and year) for implementation of 2(a) above. **31.12.2020**

(b) Whether authorization documents clearly stipulates respective mode of management (such as common or captive incineration/secured landfilling or pre-processing or recycling or utilization or export or captive storage, as applicable) for each category of HW being generated. (Yes/No) if no;
Yes

(c) Timeline (month and year) for implementation of (2) (b) above

3.(a) Whether elaborate protocols for pre-processing and recycling/utilisation facilities for enhanced level and frequency of enforcement and environmental monitoring have been laid down by the SPCB (Yes/No). : **No**

(b) If yes:

(i) what is frequency of inspection laid down in the said protocol (in terms of nos. of inspections per nos. of months):inspections in everymonth(s)

(ii) what is frequency of sampling & analysis of the concerned parameters laid down in the said protocol (in terms of sampling & analysis of the concerned parameters inspections per nos. of inspections):sampling & analysis in everyinspection(s)

(c) If not, what is the target date by which above protocol would be developed: (Month & Year);
31.12.2020

4. Whether uniform format (as suggested by Monitoring Committee) for inspections of hazardous and other wastes handling facilities has been adopted by SPCB: (Yes/No) **No**

5. Total No. of operating hazardous and other wastes handling units (as on 14.01.2020):

The UT of Lakshadweep is non industrial area. The hazardous wastes like used oil (waste Oil) generated from the automobiles workshops and diesel generators from the power house running through the Department of Electricity for the generation of power supply to the people of the UT of Lakshadweep. The no. of automobile workshop in the Lakshadweep is 24 and power house is 10.

6. Total No. of Units (having valid authorization) as on 15.03.2020: Nil

7. (a) New Units applied for fresh authorization (after 15.03.2020): Nil

(b) (i) New Units of (a) above granted authorization:

(ii) Of (b)(i) above, uniform inspection format as at (4) above has been enclosed in how many authorizations: Nil

(c) (i) No. of fresh authorization granted (after 15/03/2019) to new units (who applied prior to 15.03.2020) and other than (b) above: Nil

(ii) Of (c)(i) above, how many units were inspected & HW data and facilities have been scientifically verified (after 15/03/2019) before grant of authorization: Nil

(iii) Of (c)(ii) above, uniform inspection format as at (4) above has been enclosed in how many authorizations: Nil

(d) Of (a) above, how many units were refused authorization: Nil

(e) Of (a) above, how many authorizations cancelled or suspended: Nil

(f) Other units (other than (a) above) who applied prior to 14/3/2020 and authorization was refused: Nil

8. (a) Units applied for renewal of authorization (after 14/03/2020): Nil

(b) (i) Of units of (a) above, how many units have been granted renewal: Nil

(ii) Of (b)(i) above, uniform inspection format as at (4) above has been enclosed in how many authorisations: Nil

(c) (i) No. of authorization renewed (after 14/03/2020) to units (who applied prior to 15/03/2020) and other than (b) above: Nil

(ii) Of (c)(i) above, how many units were inspected & HW data and facilities have been scientifically verified (after 15/03/2020) before renewal of authorization: Nil

(iii) Of (c)(ii) above, uniform inspection format as at (4) above has been enclosed in how many authorizations: Nil

(d) Of (a) above, how many units were refused renewal of authorization: Nil

(e) Other units (other than (a) above) who applied prior to 15/03/2020 and renewal of authorization was refused: Nil

9.(a) Nos. of units inspected by SPCB (after 15/01/2020) only w.r.t. fresh/renewal of authorization: Nil

(b) Nos. of hazardous and other wastes handling units (including recycling/utilizing/pre-processing/common TSDF facilities) inspected by SPCB (after 15/03/2020) for other purposes other than (a) above, where observations on compliance of HOWM Rules too were made (only nos. of units to be given and not nos. of inspections): Nil

C. Scientific identification & quantification of HW

10.(a) Of the fresh authorization granted [i.e among 7(b)(i) and 7(c)(i)] above], in how many cases additional categories of hazardous wastes (other than that declared by the applicant) were:

i. Added (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

ii. Altered (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

(b) Of the fresh authorization granted [i.e among 7(b)(i) and 7(c)(i)] above], in how many cases category of other wastes (other than that declared by the applicant) were:

iii. Added (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

i. Altered (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

11.(a) Of the authorization renewed [i.e. among 8(b)(i), and; 8(c)(i)], in how many cases additional categories of hazardous wastes (other than that stipulated in the previous authorization) were:

i. Added (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

i. Altered (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

(b) Of the authorization renewed [i.e. among 8(b)(i), and; 8(c)(i)], in how many cases category of other hazardous wastes (other than that stipulated in the previous authorization) were:

ii. Added (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

iii. Altered (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

12. Of the units inspected for other than grant/renewal of authorization purpose [i.e. among 9(b) above],

(a) in how many units, discrepancies in categories of hazardous/other wastes or quantities thereof or both to that stipulated in authorizations were observed: **NA**

(b) Of (a) above, in how many cases authorizations were amended accordingly: **Nil**

13. Based on (10), (11) and (12) above, authorizations of how many similar process based units were amended (after 31/3/2019) accordingly:

14.(a) Of (10), (11), (12) and (13), in how many units "other waste" categories or quantities thereof or both have been added after 15/03/2020): **Nil**

(b) Of (14a) above, how many other waste category has been added: **Nil**

D. Enhanced frequency of enforcement and environmental monitoring in hazardous or other waste recycling/ utilizing/ pre-processing/ waste collector facilities:

15. Of (5) above:

(a) How many units are hazardous wastes recycling or utilization units: **Nil**

(b) How many units are "other wastes" recycling or utilizing units: **Nil**

(c) How many units are recycling or utilization units of both i.e. hazardous waste and "other waste": **Nil**

(d) How many units are hazardous or other waste pre-processing units: **Nil**

(e) How many units are waste collectors: **Nil**

16. No. of inspections carried after (15/03/2020) in units as at (15) above, as part of inspections for renewal of authorization: **Nil**

17. No. of inspections (other than 16 above) carried (after 15/03/2020) in units as at (15) above: **Nil**

18. No. of units (of 15 above) where monitoring (sampling & analysis) has been carried out by SPCB/PCC itself: **Nil**

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19. No. of units (of 15 above) where monitoring (sampling & analysis) has been carried out by private labs engaged by SPCB/PCC: **Nil**

20. No. of units (of 15 above) whose annual return has been verified and validated by SPCB: **Nil**

E. Manifest document

21. Of (5) above, verification of closing of manifest documents and reconciliation of the same were done by SPCB (after 15/01/2020) in how many units: **Nil**

F. Inventory

22. Of (5) above

(a) How many hazardous or other waste generating units have submitted annual return: **10**

(b) Of (a) above, how many have not submitted the annual return (after 15/03/2020) by 30th June for the preceding year: **Nil**

(c) Of (b) above, in how many units action has been taken by SPCB? : **Nil**

23. Of (a) above, how many units have been verified and validated by SPCB w.r.t. annual inventory submitted by them viz. products produced/categories of waste generation/ quantities generated/ daily record and manifest being maintained, etc.: **10**

24. (a) For how many industrial sectors, hazardous waste or other waste generation range has been developed by SPCB: **Nil**

(b) List the sector of (a) above for which hazardous waste or other waste generation range has been developed: **NA**

(c) If not, what is the time target by which such sector process based HW generation range would be initiated (Month & Year). **31.12.2020**

G. Enforcement actions (after 15/03/2020)

25. How many units were found violating one or other provisions of the HOWM Rules: **Nil**

26. In how many units, documentation of non-compliance while processing renewal of authorisation or inspection has been done after 15/03/2020 by SPCB to invoke powers of refusal or revocation: **Nil**

26. Whether enforcement framework for effective enforcement of Rules based on principal of proportionality and precautionary principal has been developed by SPCB: (Yes/No): **Yes**

27. In how many defaulting units, Rule 23(1) has been enforced by SPCB as per CPCB guidelines: **Nil**

28. In how many defaulting units, Rule 23(2) has been enforced by SPCB as per CPCB guidelines: **Nil**

29. (a) Of (25) above, how many units have been identified by SPCB as habitual and serious defaulters: **Nil**

(b) Of (a) above, how many unit's authorisation have been refused or revoked: **Nil**

(c) Of (a) above, how many unit has been prosecuted under the EPA: **Nil**

(d) Of (a) above, FIR has been lodged against how many defaulting units: **Nil**

30. Of (25) above,

(a) how many unit's authorisation (other than 29 above) have been refused or revoked: **Nil**

(b) Of (a) above, how many unit (other than 29 above) has been prosecuted under the EPA: **Nil**

(c) Of (a) above, FIR has been lodged against how many defaulting units (other than 29 above): **Nil**

31. (a) Whether website of SPCB has been updated w.r.t. all enforcement actions along with details of industries and action taken pertaining to HOWM Rules: (Yes/No): **No**

(b) Provide link address of the above site

H. Common TSDF

32. (a) Whether State/UT has common or captive TSDF? If yes: **No**

- i. Number of common SLF in the state
 - Give name and addresses of all SLF as at a(i) above: (Insert Table for multiple entries)
- ii. Number of common incinerator
 - Give name and addresses of all SLF as at a(i) above: (Insert Table for multiple entries)
- iii. Number of captive SLF
 - Give name and addresses of all SLF as at a(i) above: (Insert Table for multiple entries)
- iv. Number of captive incinerator
 - Give name and addresses of all SLF as at a(i) above: (Insert Table for multiple entries)

If no;

(b) Name of the common TSDF, where any sharing arrangement has been made for disposal of land fillable HW on final stage to finalize the authorized recyclers at mainland and issue the work order by end of March, 2020.

(c) Name of the common TSDF, where any sharing arrangement has been made for disposal of incinerable HW. It is under process to finalize the recycler.

(d) Whether SPCB/PCC has initiated any action for setting up of common TSDF? (yes/no) if yes, : **No**. However the Administration is initiated the action to identify an authorized recycler to hand over the items.

(e) Whether site has been identified?

(f) EIA completed?

(g) EC granted?

33. (a) whether SPCB has directed common TSDF operator in their state not to return the HW consignment and do the needful as recommended by the Monitoring Committee: (Yes/No) : **No**

(b) Number of incidences returning of the HW consignment by the common TSDF (after 15/03/2020) noted by SPCB: **NA**

34. Whether SPCB has planned environmental audit including site selection criteria, design & layout for both captive and common SLF: (Yes/No) :**No**

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If yes,

- (a) what is target date of completion of such audit during 2019-20: **(insert calendar)**
- (b) In case, SPCB has planned through engaging expert institute , please give name and address of expert institute(s) engaged for (a) above (insert text box):

35. (a) Of (32)(a)(i) above, how many have opened escrow account as per O.M. No....dated...of MoEF&CC: **Nil**

(b) List name of the common TSDF who have opened escrow account: (Insert Table for multiple entries) :
Nil

(c) Of (a) above, how many have deposited mandatory amount in the escrow account: **Nil**

(d) Whether SPCB has verified deposited amount as per above O.M. No. 23-12008-HSMD dated 16/04/2009 of MoEF&CC (Yes/No) (fetch data of 34 (b) and provide Yes/No drop down): **No**

(d) Mandatory amount being deposited in the escrow account annually is displayed on the website of common TSDF operator: (Yes/No): **No**

(e) What actions have been taken by SPCB in case of non-opening/non-deposition of mandatory escrow account/ displaying on website: (not more than 100 words)

State funds being used.

36. (a) Whether laboratory facility for the analysis of all HW parameters as required under the HOWM Rules has been available in the common TSDFs as (32) above. If no, No

(b) Timeline for the same (calendar): ----- There is no laboratory in this UT. The Administration may analyze the parameters with an accredited lab in mainland as and when required.

I. Impact of other regulation

37. (a) Brief note on action taken to bring domestic hazardous waste into the ambit of HW inventory (2018-19): (upload option)

(b) How many domestic hazardous waste deposition centers exists in the State/UT: **Nil**

(c) How many of (b) above have been authorised under HOWM Rules, 2016: **Nil**

(d) Quantity of domestic HW received in deposition center for (till 15/01/2020): **Nil**

- Disposal into TSDF
- Recycling/Utilisation

(e) Quantity of domestic HW received in deposition center for (after 15.01.2020): **Nil**

- Disposal into TSDF
- Recycling/Utilisation

(e) Quantity of domestic HW disposed in TSDF (till 15/01/2020): **Nil**

(f) Quantity of domestic HW disposed in TSDF (after 15/01/2020): Nil

(g) Brief note on action taken to bring fluorescent & other mercury containing lamp into the ambit of HW inventory (2019-20): (upload option) The UT Administration has been already ban and CFL and other fluorescent & other mercury containing lamp.

(h) Quantity of fluorescent & other mercury containing lamp disposed in TSDF (before 15/01/2020)

NA

(i) Quantity of fluorescent & other mercury containing lamp disposed in TSDF (after 15/01/2020) NA

(j) Whether Common TSDF operator has declared the above received as at (e) and (ii) (domestic HW and fluorescent & other mercury containing lamp) in their annual inventory report (2019-20) separately (Yes/No): NA

J. Capacity Building

38. (a) Whether an action plan has been prepared to have at least one laboratory where all HW parameters as required under the HOWM Rules can be analyzed: (Yes/No) : No

(b) Time (in terms of month month/year) by which (a) above would be commissioned in SPCB/PCC: (provide calendar)

(c) Whether Capacity building in terms of qualified and experienced manpower has been provided (yes/no)(upload option) NO

(d) Time (in terms of month month/year) by which (c) above would be provided: (provide calendar) 31.12.2020

K. Action Plan for recycling/utilization(with upload option)

39 (a) Whether SPCB/PCC has evolved any approach in recycling and utilization of hazardous waste in terms of waste management hierarchy.(yes/no) (upload document)

If yes, (drop down option for the following type of such programme)

- Concept of waste exchange banks
- Know your waste programme
- Circular economy
- Documentation of success story

(b) Please upload the details of the approach adopted. If no,

(c) Action plan along with timeline for level playing of industry shall be provided. (upload option)

40 Whether any benchmarks/guidelines have been developed by SPCB/PCC for the possibilities of HW recycle/utilisation on case to case basis? (Yes/No) if yes, provide the details.(upload option): No

41 Whether SPCB/PCC has developed any environmental benchmarking among the similar industries generating HW which can be useful to ensure consistency and uniformity for rationalizing the HW generation and reuse/utilization.(yes/no): No

if yes, provide the details.(upload option)

If no,

Action plan along with timeline for level playing of industry shall be provided. (upload option) :

FORMAT FOR PROVIDING LABORATORY FACILITIES AVAILABLE WITH SPCB/PCC**A. General Information**

S. No	Particular	Details									
1	Name of SPCB	Lakshadweep Pollution Control Committee									
2	Name and designation of the official (head of the laboratory)	No Laboratory is available for analyze the Hazardous waste.									
3	Contact number										
4	Year of establishment of laboratory facility	NA									
5	Number of instruments/equipment available at HO (please enclosed list of instrument /equipment)	NA									
6	Whether laboratory is accredited? (Y/N)	NA									
7	Provide the accreditation details of and name of parameters accredited	NA									
8	Whether laboratory participated in any analytical quantity control (AQC)? (Y/N)	NA									
9	Provide year-wise details of AQC analysis: <table border="1"> <thead> <tr> <th>Year</th><th>No of parameters</th><th>Z-score</th></tr> </thead> <tbody> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> </tbody> </table>	Year	No of parameters	Z-score							NA
Year	No of parameters	Z-score									
10	Whether laboratory participated in any Proficiency Test (PT)? (Y/N)	NA									
11	Provide year-wise details of PT analysis: <table border="1"> <thead> <tr> <th>Year</th><th>No of parameters</th><th>Z-score</th></tr> </thead> <tbody> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> </tbody> </table>	Year	No of parameters	Z-score							NA
Year	No of parameters	Z-score									
12	Weather any audit (internal/external) has been conducted? (Y/N) If yes,	NA									
13	Details of such audit	NA									

S. No.	Parameters	Laboratory Facility at HO (Yes/No)	Test Method followed	Any other arrangement for analysis
1				
2				
3				
4				
5				



भारतसरकार/GOVT. OF INDIA

लक्षद्वीपप्रशासन/ LAKSHADWEEP ADMINISTRATION

विज्ञानएवंप्रौद्योगिकीविभाग/ DEPARTMENT OF SCIENCE & TECHNOLOGY

कवरत्तीद्वीप 682 555/ KAVARATTI ISLAND -682 555

F.No. LD-03006/8/2019-LPCC-UT-LKS

Dated 27.02.2020

ORDER

Subject: Formation of State Level Monitoring Committee for proper implementation of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016

Considering the non compliance of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016, the Hon'ble National Green Tribunal (NGT), on 12th April, 2019, had issued an order (O.A. No. 804 of 2017) with directions to all the states/UTs for effective implementation of the HOWM Rules, 2016. Hon'ble Tribunal has further given directives for effective implementation of the recommendations need to be fully implemented and monitored by the Chief Secretaries at every state.

State Level Monitoring Committee for effective implementation of HOWM Rules for Union Territory of Lakshadweep is hereby formed comprising of the following members, namely:-

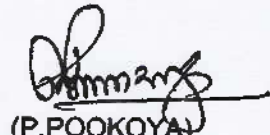
- | | |
|--|------------|
| 1. Advisor to the Administrator, UT of Lakshadweep | - Chairman |
| 2. Secretary, Science & Technology, UTL | - Member |
| 3. Secretary (E&F)/ Conservator of Forests, E&F, UTL | - Member |
| 4. Director, Port, Shipping & Aviation, UTL | - Member |
| 5. Director, Industries, UTL | - Member |
| 6. Director, Fisheries, UTL | - Member |
| 7. Executive Engineer, Electricity, UTL | - Member |
| 8. Member Secretary, Lakshadweep PCC | - Convener |

The role of State Level Committee will be as follows:

1. The Committee shall meet at least once in three months to monitor the implementation of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016.
2. States/UTs to submit the biannually compliance report to CPCB by collecting information from State Government/Departments like Labour/Industries/Environment and Pollution Control Committee.
3. State Level policies to monitor implementation of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016

4. Status of compliance of provisions of HOWM Rules, 2016 by Department of Environment, Department of Labour and Department of Industry.
5. Status of compliance of provisions of HOWM Rules, 2016 related to import/export of hazardous Waste
6. Status of management of Hazardous and Other Wastes generated from impact of other regulations i.e., fluorescent and other mercury regulated in E-waste Management Rules and domestic hazardous waste regulated under Solid Waste Management Rules.
7. Status of management of Hazardous and Other Wastes generated from ships and its disposal in Waste Reception Facilities at Ports

This is issued with the approval of the Administrator, UT of Lakshadweep vide e-Office Note #40 Dated 27.02.2020



(P. POOKOYA)

Director, Science & Technology

To

- 1) PA to the Hon'ble Administrator, UT of Lakshadweep.
- 2) PA to the Advisor to the Administrator, UT of Lakshadweep.
- 3) PA to the Secretary, S&T, UT of Lakshadweep.
- 4) PA to the Secretary, Environment, UTL
- 5) PA to the Collector, UT of Lakshadweep
- 6) Director, Port, Shipping & Aviation, UTL
- 7) Director, Industries, UTL
- 8) Director, Fisheries, UTL
- 9) Executive Engineer, Electricity, UTL
- 10) All Head of the Department of UTL Administration.



लक्षद्वीप प्रदूषण नियंत्रण समिति 360
LAKSHADWEEP POLLUTION CONTROL COMMITTEE

विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF SCIENCE & TECHNOLOGY
कवरत्ती- 682 555
KAVARATTI -682 555

F.No. LD-03006/7/2019-LPCC-UT-LKS(1)

Dated /तारीख 29.04.2020

WORK ORDER

Sub: - Collection, Transportation and Processing of Hazardous Wastes (Used Oil/Waste Oil) available in Lakshadweep islands

Ref: - 1. Limited Quotation Notice dated 27.02.2020

2. Your quotation dated Nil

In pursuance of your quotation under reference cited, the rate of discarded oil used by DG Sets and Automobile workshop is Rs. 20.20 per Liter quoted by you has been accepted by the Competent Authority for the Collection, Transportation and Processing of Hazardous Wastes (Used Oil/Waste Oil) available in Lakshadweep islands.

You are requested to consult the Executive Engineer, Department of Electricity, Kavaratti, UT of Lakshadweep for signing the Contract agreement within Fifteen days from date of issue of this work order. The payment will be made to the Executive Engineer, Department of Electricity, Kavaratti, UT of Lakshadweep

GST and others taxes/fees/charges etc will be deducted as per the Notification / Order of UT Administration /Central Government from time to time.

Further you will ensure the guidelines of transportation of Hazardous Wastes issued by the Central Pollution Control Board and Kerala State Pollution Control Board and other labour laws as per law.

This is issued with the approval of Secretary, S&T and Chairman, LPCC vide Diary No. 1025 dated 27.04.2020

(P. POOKOYA)

Director, S&T and Member Secretary, LPCC

To

M/s. Cee Jee Lubricants
Industrial Developmental Area, Edayar,
Binanipuram- P.O,
Aluva- 683 502
E-mail: ceejeelubricants@gmail.com

Copy to:

1. PA to the Advisor to the Administrator, UT of Lakshadweep for information
2. PA to the Secretary, S&T, UT of Lakshadweep for information

Minutes of the State Level Committee on Hazardous & other Waste held in the Chamber of Advisor to the Administrator on 05.03.2020 at 10:30AM.

Present: 1. Shri R.Mihir Vardhan IAS, Advisor to the Administrator
 2. Dr.S.Sundaravadivelu IAS, Secretary (S&T)
 3. Shri P.Pookoya, Member Secretary, LPCC
 4. Dr. Shashipal Dabas, Director(IT)
 5. Shri Abdul Latheef, EE(Ele.)
 6. Shri Mohammed Kasim.K, Director(Fisheries)
 7. Shri K.P. Cheriyaakoya, RFO, E&F
 Special Invitee: 1. Shri C.N.Shajahan, SE (LPWD)

The Member Secretary, LPCC welcomed the members. The Chairman explained the importance of this Committee and Orders of the Hon'ble NGT. After deliberations the following decisions have been taken.

1. **Inventory of Hazardous waste:-** The Member Secretary informed that inventory of used oil has been completed. The inventory of battery waste is in progress and will be completed in the next few days. He informed that the only these two types of hazardous waste are present in Lakshadweep. Chairman directed to complete the task by 10th of March 2020.

Action: Dept. (S&T)/Electricity

2. **Identification of Buyer:-** Member Secretary informed that the process of identification of authorised buyer for used oil at mainland has been initiated and this process will be completed by the end of March 2020.

Action: Dept. of S&T

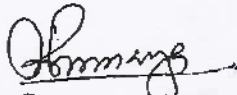
3. **Nodal Officer:-** It was decided that the EE(Ele.) will be the Nodal Officer for the purpose of arranging the collection of used oil and batteries from the Fisheries and Port department and arrange to transport to the Mainland. All the used batteries in various departments and workshops shall hand over to the Dept. of Electricity in the islands for transporting to mainland for final disposal.

Action: Dept. of Electricity/Fisheries/Port and All Department

Chairman emphasised that the coordination between all departments is very essential for success in the collection and disposal of Hazardous waste as mandated by the Hon'ble NGT.

Meeting ended with a vote of thanks.

This issue with the approval of Advisor to the Administrator vide D.No.1470 dated 06.03.2020


 Member Secretary (LPCC)

**MEMORANDUM OF UNDERSTANDING FOR COLLECTION,
TRANSPORTATION AND PROCESSING OF USED /WASTE OIL**

This Memorandum of Understanding (MOU) is made on the 16th day of SEPT-2020 for collection, transportation and processing of used /waste oil.

BY AND BETWEEN

M/S Cee Jee Lubricants, a private company having its registered office at "Industrial Developmental Area, Edayar, Binanpuram - P.O, Aluva - 683 502, (hereinafter referred to as "M/s Cee Jee") on the first part.

AND

Lakshadweep Electricity Department, Union Territory of Lakshadweep, represented by its Executive Engineer (hereinafter referred to as "LED") on the other part.

The expression "M/S Cee Jee" and "LED" shall wherever the context admits, mean and include their respective successors- in-interest and permitted assigns and shall hereafter be referred to individually as "Party" and collectively as "Parties".

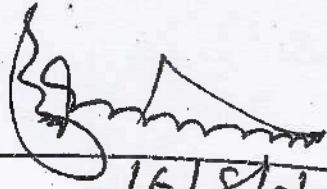
PREAMBLE

WHEREAS, Lakshadweep Electricity Department under the guidance of, Lakshadweep Pollution Control Committee proposed to implement safe collection, transportation and processing of used/ waste oil.

WHEREAS, M/S Cee Jee Lubricants awarded with work order for collection transportation and processing of used/ waste oil by Lakshadweep Pollution Control Committee is agreed to collect discarded oil at the rate prescribed by the LPCC.

FOR CEE JEE LUBRICANTS

Proprietor


16/8/2020

Now Therefore, This Memorandum of Understanding between M/S Cee Jee Lubricants and LED is for safe collection, transportation and processing of used/ waste oil on mutually consented terms hereinafter witnessed.

DURATION OF AGREEMENT

This agreement shall be valid for a period of 5 years from the date of execution of this MoU unless revoked by either party by invoking any of the provisions under this MoU.

The Executive Engineer, LED may extend, if he deemed fit, the validity of the MoU for such period and on such terms as may be mutually agreed to.

SCOPE

The object of this MoU is for safe discard of used/waste oil collected from generating stations of Lakshadweep Electricity department.

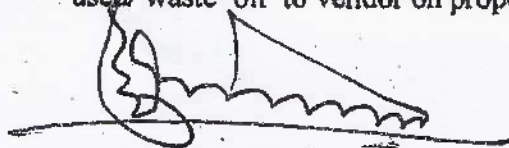
GENERAL TERMS AND CONDITIONS

Lakshadweep Electricity Department shall collect used/waste oil from its generating stations and deliver the same at Electricity Sub Division Office at Beypore.

M/S Cee Jee Lubricants will collect used/ waste oil from Lakshadweep Electricity Department and discard it as per the guidelines of Central Pollution Control Board and Kerala State Pollution Control Board and other extent laws.

RESPONSIBILITIES OF LAKSHADWEEP ELECTRICITY DEPARTMENT

- a) LED will collect used/ waste oil from its generating stations at islands
- b) LED will transport these collected used/ waste oil in barrels through Lakshadweep administration run cargo barges
- c) LED will deliver the barrels containing used/ waste oil at stock yard of Lakshadweep Electricity Department at Beypore or at Beypore port
- d) Lakshadweep Electricity Department will hand over the barrels containing used/ waste oil to vendor on proper stock and acknowledgment.



FOR CEE JEE LUBRICANTS

Proprietor.

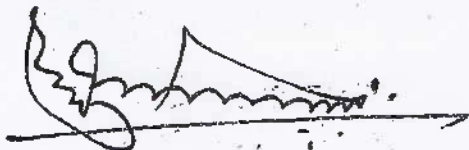
- e) LED will issue bill for handed over barrel containing used/ waste oil and receive amount as per rate fixed by LPCC per litter basis.

RESPONSIBILITIES OF M/S CEE JEE LUBRICANTS

- a) M/S Cee Jee Lubricants will receive the barrels containing used/ waste oil from the stock yard of Lakshadweep Electricity Department at Beypore
- b) M/S Cee Jee Lubricants will acknowledge quantity of barrels containing used/ waste oil delivered by Lakshadweep Electricity Department. They in turn return empty barrel after safe storage of used/waste oil in their own container.
- c) M/S Cee Jee Lubricants will ensure no spillage of used/ waste oil at delivery point and ensure observance of Central Pollution Control Board and Kerala State Pollution Control Board and other extent laws for collecting used/ waste oil
- d) M/S Cee Jee Lubricants will make payment to Lakshadweep Electricity Department as per approved rate of Rs. 20.20 per litter for the quantity received.
- e) M/S Cee Jee Lubricants will collect, transport and process used/ waste oil as per the terms of work order issued by LPCC.

DISPUTE SETTLEMENT

Except otherwise provided in this MoU in the event of any dispute or interpretation of any clause, dispute or difference or to any other claim, right, matter or thing whatsoever in any way arising out of relating to this MoU whether arising during the progress of the project or after the cancellation, termination, completion or abandonment thereof shall be settled by the parties amicably through negotiation within a period of 30 days of the notice by other party, failing which, the dispute shall be referred to the sole arbitrator appointed by the Hon'ble Administrator of the Union Territory of Lakshadweep. The arbitrator shall be conducted in accordance with the provisions of Arbitration and Conciliation Act 1996 or any statutory modification of re-enactment



FOR CEE JEE LUBRICANTS

Proprietor

thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding. The arbitration shall adjudicate on only such dispute and claim

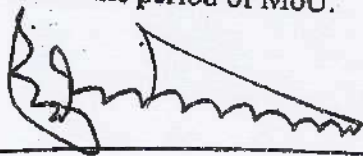
refereed to him and shall give reasons for the award. The venue of the arbitration proceedings shall be at Kavaratti. Administration and the decision of the Hon'ble Administrator shall be binding on the parties.

FORCE-MAJEURE

If at any time, during the continuance of the MoU, the performance in whole or in part, by either party, of any obligation under this is prevented or delayed, by reason of war, or hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, epidemic, quarantine restriction, strikes and lockouts (not limited to the establishments or facilities of the Vendor), fire, floods, natural calamities or any act of GOD (hereinafter referred to as event), provided notice of happenings of any such event is given by the affected party to the other, with 10 Calendar days from the date of occurrence thereof, neither party shall, by reason of such event, be entitle to terminate the MoU, not shall either party have any such claims for damages against other, in respect of such non-performance or delay in performance; provided the obligation arising from this MoU shall be resumed as soon as practicable, after such even comes to an end or ceases to exist.

The decision of the Executive Engineer, LED as to whether the work may be so resumed (and the time frame within which the work may be resumed) or not, shall final, binding and conclusive.

However, the Force Majeure events noted above will not in any way cause extension in the period of MoU.



FOR CEE JEE LUBRICANTS

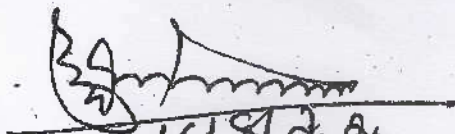
Proprietor

IN WITNESS WHEREOF, the parties hereunto put their hands on this
Memorandum on the day, month and year herein above mentioned.

Signed and on behalf of the

First Party

Lakshadweep Electricity Department


16/8/2006


(P.V. Hassan)

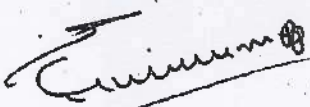
Executive Engineer (Ele)

Lakshadweep Electricity Department

EXECUTIVE ENGINEER (Ele)
U.T. OF LAKSHADWEEP
KAVARATTI-682 555

Witnesses:

1) 


2) 
Assistant Executive Engineer (Ele.)
Electrical Division
Kavaratti-682 555

Signed and on behalf of the

Second Party

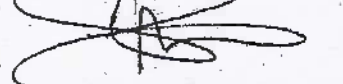
M/S Cee Jee Lubricants

FOR CEE JEE LUBRICANTS

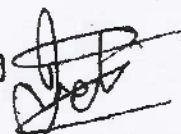

Proprietor



Witnesses:

1) 

Shajin M.C.
Manager
Cee Jee Lubricants
IDA, Edayar, Aluva

2) EDWIN PAULSON 



Phone No: 04822-337337
Email ID: panchdop@nic.in

भारत सरकार
लक्षद्वीप संघ राज्य क्षेत्र
Union Territory of Lakshadweep
पंचायत निदेशालय (Directorate of Panchayats)
कवारत्ति Kavaratti 682555

F.No. 3/05/2019-DOP

Dated 6-11-2020.

To

The Director,
Department of Science & Technology,
Kavaratti.

Sub:- Submission of information in compliance to Hon'ble NGT order dated 01.06.2020 in OA No.325/2015 in the matter of Lt Col. Sarvadaman Singh Oberoi Vs UOI & Ors - Reg.

Ref:- F.No.LD-03006/4/2020-LPCC-UT-LKS/262 dated 09.10.2020.

Sir,

With reference to the letter cited this is to inform that all the Village (Dweep) Panchayats have initiated works on Rejuvenation of Ponds utilizing the allotted funds from the Department of Science & Technology. The island wise details of the works are as detailed below.

Kavaratti: Cleaning of all the identified ponds completed.
Kiltan : Repair of Two ponds Naranga Palli and Misiri Palli is in progress.

Remaining islands are waiting for construction materials. At present due to the Covid - 19 situation the transportation of construction materials are not being transported from mainland.

Yours faithfully

(K. Buzar Jamhar)

Director of Panchayats.

ANNEXURE F

368

BEFORE THE NATIONAL GREEN TRIBUNAL AT NEW DELHI

OA.NO.606 OF 2018

IN THE MATTER OF :-

Compliance of Municipal Solid Waste Management Rules, 2016

NODH:

INDEX

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1	Affidavit	1
2	Seventh Quarterly Report in compliance to the order dated 16.01.2019 and 14.05.2019 in OA.No.606/2028 on behalf of Union Territory of Lakshadweep during the period 01.11.2020 to 31.12.2020.	2-5
3	<u>Annexure R-1</u> Copy of letter and formats dated 07.07.2020	6-25
4	<u>Annexure R-2</u> Copy of letter dated 04.02.2021 to Member Secretary LPCC.	26-27

THROUGH


Sunita Sharma

Advocate, For UT of Lakshadweep
Chamber No.202, C.K.Daphtary Block,
Tilak Lane, Supreme Court of India,
New Delhi – 110001
Mob: 9811602201
E-mail:sunitasharma361@gmail.com

27/02/2021

**BEFORE THE HONOURABLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH AT NEW DELHI
Original Application No.606/2018**

In the matter of:

Compliance of Municipal Solid Waste Management Rules, 2016

REPORT OF ADVISOR TO THE ADMINISTRATOR UNION TERRITORY OF LAKSHADWEEP, INDICATING COMPLIANCE TO ORDER DATED 16.01.2019 and 14.05.2019.

I Asar Pal Singh, S/o Shri Jagat Singh, Age 63 years, Resident Commissioner of Union Territory of Lakshadweep and having my office at Lakshadweep House, Chanakyapuri, New Delhi, do hereby solemnly affirm and declare as under;

1. That this Hon'ble Tribunal vide orders dated 16.01.2019 and 14.05.2019 in OA No.606/2018 had directed all States and UT's to file quarterly status report as regards Integrated Solid Waste Management and deponent administration has been filing status report before this Hon'ble Tribunal as per the directions.
2. It is submitted that in compliance with directions of this Tribunal the quarterly report showing progress up to 31st December, 2020 is being submitted before this Hon'ble Tribunal along with the present affidavit.

Verification

I, the above named Deponent verify at.....*New Delhi*..... on the *9th* day of February, 2021 that the contents of the above compliance affidavit are true to the best of my knowledge and as borne out of the official records.

Nothing material has been concealed there from.

Asar Pal Singh
(Deponent)
असर पाल सिंह/Asar Pal Singh
स्थानिक आयुक्त/Resident Commissioner
केन्द्र प्रशासित प्रदेश लक्षद्वीप/UT Admn. of Lakshadweep
लक्षद्वीप हाऊस/Lakshadweep House
चानक्यापुरी, नई दिल्ली/Chanakyapuri, New Delhi

Seventh Quarterly Report in Compliance to the Orders Dated 16.01.2019 and 14.05.2019 in Original Application No. 606/2018 before the Hon'ble National Green Tribunal, New Delhi, on behalf of Union Territory of Lakshadweep

The present report contains the progress that has been made pursuant to the order of the Hon'ble NGT of 14.05.2019 in compliance to the directive at para 45(ii) to furnish a quarterly report. This seventh quarterly report is submitted indicating the progress for the period from 01.11.2020 to 31.01.2021. Further it contains compliance to other Court directions. The point wise progress is given below.

The steps taken in compliance to Hon'ble NGT order on Solid Waste Management and other issues have been explained in the subsequent paragraphs.

Compliance to Solid Waste Rules including Legacy Waste:

1. The Department of Environment & Forest has been working full time for the segregation and collection of bio-degradable and non-biodegradable waste even after the enforcement of lockdown due to Covid-19 pandemic. There has been no slackness in this activity. With regard to transportation of empty cement bags, other single use plastics and few other items, the Geocycle India, ACC Limited, Coimbatore is still under shutdown due to COVID-19 Lockdown.
2. Department of Environment & Forests organized a mass cleaning event as Swatch Lakshadweep Utsav-2020 in all the islands with participation all walks of life to maintain the cleanliness in the islands.
3. With regard to collection of Userfee, an amount of Rs.73,740/-(Rupees Seventy Three Thousand Seven Hundred and Fourty Only) collected from the Households/Establishments for the month of September to December, 2020 from the Head Quarter.
4. UTL has procured 12 numbers of E-Cart for transportation of non-bio degradable waste from waste bins to Central Garbage Depository. Out of it 3 numbers vehicle arrived at Kavaratti and remaining vehicles are reached at Kochi. The same may be transported to island shortly.
5. One coconut leaf shudder cum pulverizer machine was procured and installed at Kavaratti Island for disposal of coconut wastes.
6. The Solid Waste Management Parks were established at Kavaratti and Androth.

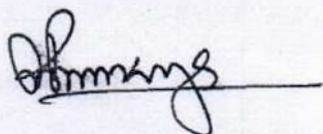
7. Union Territory of Lakshadweep placed two types of 150 L capacity garbage bins like blue for non-biodegradable wastes and red colour bins also placed for napkins and diapers.
8. The Coconut Husk & Pith Management - 10000 capacity de-fibering plant commissioned in Fibre Factory at Kavaratti.
9. Started fiber factory and coir production center at Chetlat for optimum utilization of husk.
10. State of Art Emporium established at Kavaratti and also established handicraft production center at Minicoy for showcase handicraft item made by coconut wastes.

Compliance to Bio -Medical Waste Rules:

11. The red, blue and white bags containing disinfected waste have transported to the mainland for final disposal at IMAGE, CBMWTF.
12. The Lakshadweep Pollution Control Committee granted authorization to all Health Care Facilities (HCFs) in the Lakshadweep islands.
13. It is submitted that the Department of Health installed shredders, autoclaves and other equipment in all islands for proper scientific management of bio medical wastes.
14. In terms of the Orders dated 21.04.2020 and 24.04.2020 passed by Hon'ble Tribunal in the matter of OA No.72/2020 regarding proper management of bio-medical waste generated during Covid-19 situation, it is submitted that the first Covid-19 positive case was reported in Lakshadweep on 18.01.2021. The waste generated are disposing as per guidelines provided by CPCB.

Compliance to Hazardous Waste Rules:

15. Pursuant to the decision of the State Level Committee, the LPCC has selected M/s.CeeJee Lubricants, Aluva, Kerala an authorized dealer for collection, transportation and processing of Hazardous Waste generating in the power houses of Lakshadweep islands. Department of Electricity transported 39400 L of used/waste oil from various islands to Beypore to handover to recycler.




16. The bulk storage facility of IOCL can be functional within very short period at Kavaratti and Minicoy Island and also to take steps to construct bulk storage facility for remaining islands also to avoid barrel usage and keeping HSD barrels in the stock yard at the islands.

17. Lakshadweep Pollution Control Committee has forwarded the format for providing the information with reference to the directions of the Tribunal dated 07.07.2020 in the matter of OA No. 804/2017 (September to December, 2020). The copy of letter and formats are enclosed as **Annexure R-1**

18. The Road and Transport Department has already processed the e-tender process for establishment of Vehicle Pollution Check Centers. But, the same is pending due to situation emerging out of COVID-19 Pandemic.

Compliance to E-Waste Rules:

19. Pursuant to the decision of the State Level Committee, the LPCC has selected M/s. Mahalaxmi-Recyclers Pvt. Ltd, HO. J-5, MIDC, Gokul Shirgaon, Kolhapur 416 234 (Maharashtra) and has issued work order on 29.04.2020 and the action is under progress regarding transportation of E-Waste.

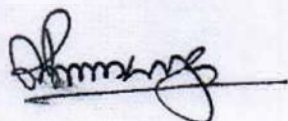
Compliance to Construction & Demolition Waste

20. The separate system for collection, segregation and transportation of Construction & Demolition Waste Management is not formulated in UT of Lakshadweep. However, the Lakshadweep is considering the C&D wastes as resource other than waste. The department as well as private has stored the C&D material for a slight duration of period the identified sites and reuse the materials for the next construction activities like filling and leveling etc.

21. In the long term UTL may consider installation of crusher and segregated plants in case there is a sufficient quantities of C&D requiring to be crushed and reutilized.

Compliance of Sewage treatment

22. The Department of Environment & Forest has proposed to implement a Pilot Project on Faecal Sludge and Septage Treatment Plant (FSSTP) at Kavaratti Island in order to manage and dispose off Septage from the existing septic tanks. A Feasibility Assessment Report and Detailed Project Report is prepared by M/S Ram Biologicals, Calicut for 4.5 KLD capacity as per the





recommendation of Technical Evaluation Committee. The final DPR forwarded to National Institute of Technology, Calicut for expert opinion about the suitability of the technology and awaiting the opinion from NIT for further action.

Compliance of Rejuvenation of Water bodies:

23. In compliance to the order dated 01.06.2020 of Hon'ble NGT in MA No.26 of 2019 in OA 325 of 2015 – Rejuvenation of Water Bodies, a meeting was convened on 18.06.2020 under the Chairmanship of Collector, UTL. Out of 456 identified, abandoned/damaged ponds, 218 ponds have been already rejuvenated, and action plan for the rejuvenation of remaining 238 ponds prepared and approved by the Jal Shakti Abhiyan. The Estimate and other details for rejuvenation shall be provided by Director, Panchayat, UTL and the technical support will be extended by Department of Science & Technology & LPWD, UTL. An amount of Rs 25 Lakhs has released to ten Village (Dweep) Panchayath as first installment for phase-1 for the execution of rejuvenation of water bodies. The Director of Panchayath informed that the cleaning of the all the identified ponds were completed in Kavaratti and repair of two ponds in Kiltan is in progress. Further informed that the work is delaying on non-availability of construction materials due to Covid-19 pandemic. The copy of letter is enclosed as **Annexure-2**

Submitted for kind consideration please.

This is issued with the approval of Advisor to the Administrator, UT of Lakshadweep vide F.No. LD-03002/2/2020-LPCC-UT-LKS Dated 08.02.2020


(DAMODHAR A.T, IFS)
Secretary, Environment & Forests/
Science & Technology

F.No. LD-03002/2/2020-LPCC-UT-LKS

Dated. 08.02.2021

Format for providing information w.r.t. directions of the Tribunal dated 07/07/2020 in the matter of 804/2017 (October- December, 2020) by Chief Secretary.

Lakshadweep

S. No.	Recommendations	Information required to submitted	Action Taken
A	Pertaining to State Government /UT Administration		
1	<i>Hon'ble NGT vide orders dated 07.07.2020 directed that ".....The Chief Secretaries of the State at State level and Ministry of Environment, Forest and Climate Change (MoEF&CC) and CPCB at National level may monitor compliance..."</i>	<p>i. Whether the State/UT Govt/Admin has taken action to monitor the implementation of recommendations of the Monitoring Committee in the interim and Final report (related to State/UT and SPCBS/PCCs)? If yes, Kindly provide details (viz., committees constituted, meetings conducted, Office memorandum issued etc.)</p> <p>ii. If no, please provide the action plan with timeline</p>	A State Level Monitoring Committee has constituted vide order dated 27.02.2020 for the implementation of Hazardous and Other Waste (Management and Transboundary Movements) Rules, 2016 (Copy of Order enclosed).
2	<i>States/UTs who have not responded (w.r.t. effective and urgent implementation of the provisions of the rules as stipulated under Rule 5(2) of HOWM Rules, 2016 by Department of Labour) is required to provide compliance status within three months, otherwise Hon'ble NGT may consider imposing environmental compensation, appropriately, as per directions of the Orders dated 26.08.2019. (State Government /UT Administration: 03 months)</i>	<p>i. Whether the State/UT Govt/Admn has taken action to sensitize about duties to be performed by concerned Department/agency?</p> <p>(a) If yes, please provide details</p> <p>(b) If no, kindly provide action plan with timeline.</p> <p>ii. Which Department/agency has been authorized by State Government/UT</p>	Yes, Lakshadweep Pollution Control Committee has compiled the inventories of the hazardous wastes in the Lakshadweep islands. Used/ Waste Oil and used batteries are the available hazardous waste materials in Lakshadweep. Administration has assigned the responsibility with Department of Electricity to storage and transportation of waste/used oil and used batteries from the concerned island to the mainland. Due to the absence of authorized recyclers, processors or other utilizers in these islands, Lakshadweep Administration has issued work order to M/s Cee Gee Lubricants, Aluva, Kerala for final disposal.
3	<i>States/UTs who have</i>		

	<p><i>responded is required to ensure strengthening of institutional capacities for effective implementation of the Rule 5 followed by monitoring through Chief Secretaries of State Government /UT administration. (State Government / UT Administration: 05 months)</i></p>	<p>Administration to ensure earmarking or allocation of industrial space or shed for recycling, pre-processing and other utilisation of hazardous or other waste in the existing and upcoming industrial park, estate and industrial clusters,</p> <p>(a) Whether the agency authorized as at (ii) above, has earmarked or allocated industrial space/shed for recycling, preprocessing and other utilisation of hazardous or other waste.</p> <p>(b) If yes, please provide no. of areas earmarked/allocated and activities for which area has been earmarked.</p> <p>(c) If no, kindly provide action plan with timeline.</p> <p>iii. Which Department/agency has been authorized by State Government / UT Administration for recognition and registration of workers involved in recycling, pre-processing, and other utilization activities? Please also provide details of the recognition and registration of workers</p> <p>(a) Whether the agency authorized as at (iii) above, has assisted in formation of groups of such workers to facilitate setting up such facilities? If yes, please provide no. of such groups formed and no. of workers in each group. If no, please provide action plan with timeline.</p> <p>(b) Whether the agency authorized as</p>	<p>In the Lakshadweep there is no existing and upcoming industrial park, estate and industrial clusters</p> <p>In Lakshadweep there are no activities involved in recycling, pre-processing, and other utilization hence no workers in this field.</p>
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		<p>at (iii) above, has undertaken industrial skill development activities for the workersinvolved in recycling, pre-processing and other utilization. If yes, please provide details of such skill development activities undertaken. If no, please provide action plan with timeline.</p> <p>(c) Whether the agency authorized as at (iii) above, has undertaken annual monitoring for safety and health of workers involved in recycling, pre-processing and other utilization. If yes, please provide details of the annual monitoring carried. If no,please provide action plan with timeline.</p> <p>iv. Whether State Government/UTAdministration has prepared integrated plan or effective implementation of these provisions and submitted annual report tothe MoEF&CC.</p> <p>v. Provide action taken report on steps taken to ensure strengthening of institutional capacities for effective implementation of Rule 5 of HOWM Rules, 2016.</p>	<p>NA, since there is no existing or upcoming industrial park, estates or industrial clusters.</p>
B.	B. Pertaining to State Pollution Control Board/Pollution Control Committee		
1	<p><i>20 recommendations (i.e. 11 pertaining to interim report and 09 pertaining to final report) pertaining to SPCBs/PCCs.</i></p>	<p>Ensure timely submission of information as per enclosed format at Appendix-A.</p>	

Appendix-A

**Format for providing information w.r.t. directions of the Tribunal dated
07/07/2020 in the matter of 804/2017 (October- December, 2020) by
SPCBs/PCCs**

Lakshadweep

S. No.	Recommendations	Information required to submitted	
A	Pertaining to Interim Report of Monitoring Committee		
1	<i>SPCBs/PCCs shall ensure timely submission of annual returns by all occupiers and in case of non compliances (i.e. for non submission/ after lapse of timeline) action may be taken in accordance with the provisions laid down under the HOWM Rules, 2016.</i>	i. Total No. of operating hazardous and other wastes handling units: ii. How many hazardous or other waste generating units [of (i) above] have submitted annual returns by 30th June of preceding year: iii. How many units [of (i) above] have submitted annual returns after 30th June of Preceding year: (No.s) iv. How many units [of (i) above] have not submitted annual return for preceding year: (No.s) v. In how many units [of (iii) & (iv) above] action has been taken by SPCB?	10 power houses and 24 small automobile workshops. Nil, Lakshadweep Administration has identified an authorized recycler at mainland recently, so the Lakshadweep Pollution Control Committee will issue direction to all the hazardous waste generators to apply for the authorization. After granting the authorization, LPCC will direct the waste generators to submit their annual return by 30th June in every year
2	<i>SPCBs/PCCs shall prepare annual inventory report on hazardous and other waste generation and its management, as per CPCB's guidelines and ensure</i>	i. Of the numbers of hazardous or other waste generating units, who have submitted annual returns, nos. of units are randomly verified, as per	Nil

	<i>submission of same within stipulated timeframe as laid down under HOWM Rules, 2016.</i>	CPCB's guidelines, (Nos.): ii. Provide the list of such units.	
3	<i>SPCBs/PCCs to ensure verification and reconciliation of closing of manifest document for all the cases in Hazardous waste handling/generating units</i>	i. In how many units, verification of closing of manifest documents and reconciliation of the same were done by SPCB (during the said period). ii. Of which, how many pertains to interstate movement and within the state?	Nil
4	<i>SPCBs/PCCs to ensure regular updation of website with respect to all enforcement actions along with details of industries and action taken thereof.</i>	i. Whether website of SPCB has been updated w.r.t. all enforcement actions along with (a) details of industries, (b) date of inspection including collection of effluent or other samples, (c) whether unit is compliant or not, (d) if noncompliant then action taken including the date of notice if any sent to defaulter and action taken pertaining to HOWM Rules: (Yes/No) ii. Provide specific link of all enforcement action uploaded in Board's website. iii. Provide details of defaulting units as per Table 1 given below.	There are no hazardous waste industries. The LPCC website is already created and functioning.
5	<i>Shall initiate action for identifying hazardous waste generating unit and grant authorization to such units available in the UT.</i>	i. Whether action initiated for identification of hazardous waste generating unit? (Yes/No) ii. If yes, provide the nos. of hazardous waste generating units exist in the	Yes 10 power house and 24 small automobile workshops.

		UT. iii. Whether authorization granted to all[above at (ii)] units.	No, Lakshadweep Administration has identified a recycler at mainland recently, so the Lakshadweep Pollution Control Committee will issue direction to all the hazardous waste generators to apply for the Authorization.
6	<i>Take necessary action for compliance to the HOWM Rules, 2016 and recommendations of the Monitoring Committee</i>	i. Provide information as per format appended at Appendix-B.	Attached
7	<i>Shall also ensure compliance to the action points suggested by Monitoring committee and submit report to CPCB in prescribed format</i>		
8	<i>Board shall be directed to submit the status on setting up of TSDF or sharing arrangement with authorized common TSDFs of neighbouring states</i>	i. Provide progress made w.r.t. setting up of TSDF or sharing arrangement with authorized common TSDFs of neighbouring states. ii. Provide copy of agreement, in case sharing agreement made with authorized common TSDFs of neighbouring states.	The hazardous/other wastes like used oil (waste oil) and lead acid batteries have storage facilities in respective islands and UT of Lakshadweep Administration has identified an authorized recycler for used/waste oil at Aluva, Kerala and transport the items to the mainland for final disposal. An agreement/ MoU made between Lakshadweep Electricity Department and authorized recycler.
B.	Pertaining to Final Report of Monitoring Committee		
1	<i>Action point 15: Clearance of Waste Oil/Sludge from Ships: Concerned SPCBs/PCCs or Port Authorities of State/UT to grant/obtain necessary authorization to cover hazardous wastes generated from both normal port operations/activities and all ship generated wastes (MARPOL annexes) (e.g in case of used/waste Oil authorization for Cat. No. 5 and Cat. No. 3 of HOWM Rules, 2016). The same be also</i>	i. No. of Ports (Major/Minor including river ports)/ ICDs/CFCs exist in the State/UT. ii. Number of ports*/ICDs/CFCs authorized by the Board as per HOWM Rules, 2016 along with details of the categories of hazardous & other waste authorized for generation and management:	There are no major/minor ports in Lakshadweep islands. The waste generated from the Lakshadweep Administration run ships/barges is cleared at Kochi port and is handed over to the authorized recyclers for final disposal by the operating agency, LDCL.

	covered in the annual report submitted as per HOWM Rules, 2016. (SPCBs/PCCs and Port Authorities: 05 months)	iii. No. of ports*/ICDs/CFCs scientifically evaluated before grant of authorization:	
2	Action point 15: Clearance of Waste Oil/Sludge from Ships: SPCBs/PCCs shall ensure that all the ports (including minor ports), ICDs/CFSs have mandatory authorization as per HOWM Rules, 2016. The said authorization shall be granted by the SPCB/PCC after due scientific evaluation. (SPCBs/PCCs: 05 months)	iv. No. of ships handled by individual ports* and Containers by individual ICDs /CFCs (per day/month): v. Quantity of waste generated (MARPOL annexes) from per ship: vi. Category –wise details on quantity of HW generated and handled** by each of the Ports*/ICDs/CFCs during 2019-20. vii. Whether the HW generated/handled by Ports*/ICDs/CFCs have been reported by the SPCB/PCC in the annual inventory. viii. No. of Ports*/ICDs/CFCs found violating provisions (manifest system, labeling/packaging/ records maintain, etc) of HOWM Rules, 2016. ix. Action taken by SPCB/PCC against such violators. *Ports includes all the major/minor and river ports. **Includes waste sent to recycler/ utilizer /coprocessor/disposal facility	

		<i>along with name of such facilities.</i>	
3	Action point 18: Collaboration between regulating authorities: <i>SPCBs/PCCs along with Customs and Port authorities to ensure regular interaction among themselves for better compliance of import and export related issues and management of ship wastes. (MoEF&CC, CPCB, SPCBs/PCC, Customs and Ports Authorities: On a regular basis)</i>	i. Number of interactive sessions/ workshops organized by the Board in this regard: ii. Number of interactive sessions/ workshops attended by Board's Officials apart from above. States/UTs which also have Minor ports/River ports/ICDs/CFCs	No training on Hazardous and Other Wastes has been conducted during this quarter Nil NA
4	Action point 19: Availability of Waste Reception Facilities at ports: <i>SPCBs/PCCs may coordinate with DG(S) and Port Authorities for implementation of the aforesaid notification for environmentally sound management and disposal of ship wastes. (SPCBs/PCCs: 05 months)</i>	i. No. of ports having Waste reception facility. ii. No. of Waste reception facilities authorized under HOWM Rules, 2016 along with details of the categories of hazardous & other waste authorized for generation and management:	Nil NA
5	Action point 20: Authorization for the waste reception facilities and ports: <i>SPCBs/PCCs shall ensure authorization is granted to Ports and Waste reception facility available at all ports and all the provisions of HOWM Rules, 2016 (i.e. authorization, manifest system, inventorisation etc.) are being followed by Ports and Waste Reception Facilities. (SPCBs/PCCs :05 months)</i>	iii. Action taken by SPCB/PCC to ensure availability of waste reception facility as per Ministry of Shipping Notification. iv. Category –wise details on quantity of HW generated and handled** by each of the Waste reception facility during 2019-20. v. No. of Waste reception facilities found violating provisions (manifest system, labeling/packaging/records maintain, etc) of HOWM Rules, 2016.	NA NA NA

		Action taken by SPCB/PCC against such violators.	
6	Action point 26: Display of information outside the factory gate: <i>SPCBs/PCCs shall ensure that verification of Installation/updation of displayboards at all the Hazardous waste generating units on a continuous basis. (SPCBs/PCCs : 05 months)</i>	i. Number of hazardous waste generating units in the state: ii. Number of units installed display board: iii. Of (ii) above, how many has been verified by the Board: iv. Number of hazardous waste generating units not installed /updated display board: Action taken by the board, in case of non-compliances observed:	No hazardous waste generating factories in these islands, however the DG sets in the power house and small automobile workshops only generating waste/used oils. NA NA NA NA
7	Action point 27: Institutional Reforms: <i>SPCBs/PCCs shall ensure that adequate manpower is available with the PCB/PCC, training shall be regularly provided with emphasis on scientific evaluation and management of hazardous waste.</i>	i. Is adequate manpower available with SPCB/PCC: ii. Steps taken to ensure adequate manpower is made available in SPCB/PCC and timeline for the same. iii. No. of training programs organized by SPCB/PCC during FY-2019-20. iv. No. of training programs attended by SPCB/PCC officials (which are organized by other agencies). *Please provide topic of the training programmes organized by Board and no. of officials attended the same.	Yes Nil 1
8	Action point 27: Institutional Reforms: <i>SPCBs/PCCs should have</i>	i. No. and list of Hazardous waste Parameters for which facility	There are no Hazardous wastes generating industries/ establishments in Lakshadweep. If required to analyse any

Table 1: Details on Defaulting Units

S. No.	No. of Defaulting units	No. of Habitual defaulters	No. of units against which action has been taken				
			Rule 23(1) Enforced	Rule 23(2) Enforced	Refusal/ Revocation	Prosecution under E(P)A, 1986	FIR lodged

**Format for reporting implementation and monitoring of various recommendations of the
Monitoring Committee**

For Quarter: October-December, 2020

Name of SPCB/PCC: Lakshadweep Pollution Control Committee

A. Basic Information

1. (a) Whether scientific principles based identification & quantification of hazardous and other wastes are carried out at the authorization stage by the Board itself: Yes

(b) Whether (1) (a) above is carried out through third party: (Yes/No) if yes,

(c) provide details of the third party:

(d) If No, timeline for adopting the same.

2. (a) Whether authorization is granted/renewed by evaluation by SPCB officials or through evaluation of expert committee? (Yes/No) : No

If yes, field of specialization of experts in the committee?

If no, time line (month and year) for implementation of 2(a) above.

Ans: 31.12.2020

(b) Whether authorization documents clearly stipulates respective mode of management (such as common or captive incineration/secured landfilling or pre-processing or recycling or utilization or export or captive storage, as applicable) for each category of HW being generated. (Yes/No) if no;

Ans; Yes

(c) Timeline (month and year) for implementation of (2) (b) above

3.(a) Whether elaborate protocols for pre-processing and recycling/utilisation facilities for enhanced level and frequency of enforcement and environmental monitoring have been laid down by the SPCB (Yes/No). : No

(b) If yes:

(i) what is frequency of inspection laid down in the said protocol (in terms of nos. of inspections per nos. of months):inspections in everymonth(s)

(ii) what is frequency of sampling & analysis of the concerned parameters laid down in the said protocol (in terms of sampling & analysis of the concerned parameters inspections per nos. of inspections):sampling & analysis in everyinspection(s)

(c) If not, what is the target date by which above protocol would be developed: (Month & Year); 31.12.2020

4. Whether uniform format (as suggested by Monitoring Committee) for inspections of hazardous and other wastes handling facilities has been adopted by SPCB: (Yes/No)

No

B. Hazardous and Other Wastes Generating Units and their authorization

5. Total No. of operating hazardous and other wastes handling units (as on 14.01.2020):

The UT of Lakshadweep is non industrial area. The hazardous wastes like used oil (waste Oil) generated from the automobiles workshops and diesel generators from the power house running through the Department of Electricity for the generation of power supply to the people of the UT of Lakshadweep. The no.of automobile workshop in the Lakshadweep is 35 and power house is 11.

6. Total No. of Units (having valid authorization) as on 15.03.2020: Nil

7. (a) New Units applied for fresh authorization (after 15.03.2020:): Nil

(b) (i) New Units of (a) above granted authorization:

(ii) Of (b)(i) above, uniform inspection format as at (4) above has been enclosed in how many authorizations: Nil

(c) (i) No. of fresh authorization granted (after 15/03/2019) to new units (who applied prior to 15.03.2020) and other than (b) above: Nil

(ii) Of (c)(i) above, how many units were inspected & HW data and facilities have been scientifically verified (after 15/03/2019) before grant of authorization: Nil

(iii) Of (c)(ii) above, uniform inspection format as at (4) above has been enclosed in how many authorizations: Nil

(d) Of (a) above, how many units were refused authorization: Nil

(e) Of (a) above, how many authorizations cancelled or suspended: Nil

(f) Other units (other than (a) above) who applied prior to 14/3/2020 and authorization was refused: Nil

8. (a) Units applied for renewal of authorization (after 14/03/2020): Nil

(b) (i) Of units of (a) above, how many units have been granted renewal: Nil

(ii) Of (b)(i) above, uniform inspection format as at (4) above has been enclosed in how many authorisations: Nil

(c) (i) No. of authorization renewed (after 14/03/2020) to units (who applied prior to 15/03/2020) and other than (b) above: Nil

(ii) Of (c)(i) above, how many units were inspected & HW data and facilities have been scientifically verified (after 15/03/2020) before renewal of authorization: Nil

(iii) Of (c)(ii) above, uniform inspection format as at (4) above has been enclosed in how many authorizations: Nil

(d) Of (a) above, how many units were refused renewal of authorization: Nil

(e) Other units (other than (a) above) who applied prior to 15/03/2020 and renewal of authorization was refused: Nil

9.(a) Nos. of units inspected by SPCB (after 15/01/2020) only w.r.t. fresh/renewal of authorization: Nil

(b) Nos. of hazardous and other wastes handling units (including recycling/utililizing/pre-processing/common TSDF facilities) inspected by SPCB (after 15/03/2020) for other purposes other than (a) above, where observations on compliance of HOWM Rules too were made (only nos. of units to be given and not nos. of inspections): Nil

C. Scientific identification & quantification of HW

10.(a) Of the fresh authorization granted [i.e among 7(b)(i) and 7(c)(i)] above], in how many cases additional categories of hazardous wastes (other than that declared by the applicant) were:

i. Added (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

ii. Altered (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

(b) Of the fresh authorization granted [i.e among 7(b)(i) and 7(c)(i)) above], in how many cases category of other wastes (other than that declared by the applicant) were:

iii. Added (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

i. Altered (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

11.(a)Of the authorization renewed [i.e. among 8(b)(i), and; 8(c)(i)], in how many cases additional categories of hazardous wastes (other than that stipulated in the previous authorization) were:

i. Added (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

i. Altered (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

(b)Of the authorization renewed [i.e. among 8(b)(i), and; 8(c)(i)], in how many cases category of other hazardous wastes (other than that stipulated in the previous authorization) were:

ii. Added (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

iii. Altered (add multiple rows for multiple entries)

Name of units	No and type of categories added in each unit	Quantity
Nil		

12.Of the units inspected for other than grant/renewal of authorization purpose [i.e. among 9(b) above],

(a) in how many units, discrepancies in categories of hazardous/other wastes or quantities thereof or both to that stipulated in authorizations were observed: NA

(b) Of (a) above, in how many cases authorizations were amended accordingly: Nil

13. Based on (10), (11) and (12) above, authorizations of how many similar process based units were amended (after 31/3/2019) accordingly:

14.(a) Of (10), (11), (12) and (13), in how many units "other waste" categories or quantities thereof or both have been added after 15/03/2020: Nil

(b) Of (14a) above, how many other waste category has been added: Nil

D. Enhanced frequency of enforcement and environmental monitoring in hazardous or other waste recycling/ utilizing/ pre-processing/ waste collector facilities:

15. Of (5) above:

(a) How many units are hazardous wastes recycling or utilization units: Nil

(b) How many units are "other wastes" recycling or utilizing units: Nil

(c) How many units are recycling or utilization units of both i.e. hazardous waste and "other waste": Nil

(d) How many units are hazardous or other waste pre-processing units: Nil

(e) How many units are waste collectors: Nil

16. No. of inspections carried after (15/03/2020) in units as at (15) above, as part of inspections for renewal of authorization: Nil

17. No. of inspections (other than 16 above) carried (after 15/03/2020) in units as at (15) above: Nil

18. No. of units (of 15 above) where monitoring (sampling & analysis) has been carried out by SPCB/PCC itself: Nil

19. No. of units (of 15 above) where monitoring (sampling & analysis) has been carried out by private labs engaged by SPCB/PCC: Nil

20. No. of units (of 15 above) whose annual return has been verified and validated by SPCB: Nil

E. Manifest document

21. Of (5) above, verification of closing of manifest documents and reconciliation of the same were done by SPCB (after 15/01/2020) in how many units: Nil

F. Inventory

22. Of (5) above

(a) How many hazardous or other waste generating units have submitted annual return: 10

(b) Of (a) above, how many have not submitted the annual return (after 15/03/2020) by 30th June for the preceding year: Nil

(C) Of (b) above, in how many units action has been taken by SPCB? : Nil

23. Of (a) above, how many units have been verified and validated by SPCB w.r.t. annual inventory submitted by them viz. products produced/categories of waste generation/ quantities generated/ daily record and manifest being maintained, etc.: 10

24. (a) For how many industrial sectors, hazardous waste or other waste generation range has been developed by SPCB: Nil

(b) List the sector of (a) above for which hazardous waste or other waste generation range has been developed: NA

(c) If not, what is the time target by which such sector process based HW generation range would be initiated (Month & Year). 31.12.2020

G. Enforcement actions (after 31/03/2020)

25. How many units were found violating one or other provisions of the HOWM Rules: Nil

26. In how many units, documentation of non-compliance while processing renewal of authorisation or inspection has been done after 15/03/2020 by SPCB to invoke powers of refusal or revocation: Nil

26. Whether enforcement framework for effective enforcement of Rules based on principal of proportionality and precautionary principal has been developed by SPCB: (Yes/No): Yes

27. In how many defaulting units, Rule 23(1) has been enforced by SPCB as per CPCB guidelines: Nil

28. In how many defaulting units, Rule 23(2) has been enforced by SPCB as per CPCB guidelines: Nil

29. (a) Of (25) above, how many units have been identified by SPCB as habitual and serious defaulters: Nil

(b) Of (a) above, how many unit's authorisation have been refused or revoked: Nil

(c) Of (a) above, how many unit has been prosecuted under the EPA: Nil

(d) Of (a) above, FIR has been lodged against how many defaulting units: Nil

30. Of (25) above,

(a) how many unit's authorisation (other than 29 above) have been refused or revoked: Nil

(b) Of (a) above, how many unit (other than 29 above) has been prosecuted under the EPA: Nil

(c) Of (a) above, FIR has been lodged against how many defaulting units (other than 29 above): Nil

31. (a) Whether website of SPCB has been updated w.r.t. all enforcement actions along with details of industries and action taken pertaining to HOWM Rules: (Yes/No): No

(b) Provide link address of the above site

H. Common TSDF

32. (a) Whether State/UT has common or captive TSDF? If yes;: No

i. Number of common SLF in the state

- Give name and addresses of all SLF as at a(i) above: (Insert Table for multiple entries)

ii. Number of common incinerator

- Give name and addresses of all SLF as at a(i) above: (Insert Table for multiple entries)

iii. Number of captive SLF

- Give name and addresses of all SLF as at a(i) above: (Insert Table for multiple entries)

iv. Number of captive incinerator

- Give name and addresses of all SLF as at a(i) above: (Insert Table for multiple entries)

If no;

(b) Name of the common TSDF, where any sharing arrangement has been made for disposal of land fillable HW. on final stage to finalize the authorized recyclers at mainland and issue the work order by end of March, 2020.

(c) Name of the common TSDF, where any sharing arrangement has been made for disposal of incinerable HW. It is under process to finalize the recycler.

(d) Whether SPCB/PCC has initiated any action for setting up of common TSDF? (yes/no) if yes, : No. However the Administration is initiated the action to identify an authorized recycler to hand over the items.

(e) Whether site has been identified?

(f) EIA completed?

(g) EC granted?

33. (a) whether SPCB has directed common TSDF operator in their state not to return the HW consignment and do the needful as recommended by the Monitoring Committee: (Yes/No) : No

(b) Number of incidences returning of the HW consignment by the common TSDF (after 15/03/2020) noted by SPCB: NA

34. Whether SPCB has planned environmental audit including site selection criteria, design & layout for both captive and common SLF: (Yes/No) : No

If yes,

(a) what is target date of completion of such audit during 2019-20: **(insert calendar)**

(b) In case, SPCB has planned through engaging expert institute, please give name and address of expert institute(s) engaged for (a) above (insert text box):

35. (a) Of (32)(a)(i) above, how many have opened escrow account as per O.M. No....dated...of MoEF&CC: Nil

(b) List name of the common TSDF who have opened escrow account: (Insert Table for multiple entries) : Nil

(c) Of (a) above, how many have deposited mandatory amount in the escrow account: Nil

(d) Whether SPCB has verified deposited amount as per above O.M. No. 23-12008-HSMD dated 16/04/2009 of MoEF&CC (Yes/No) (fetch data of 34 (b) and provide Yes/No drop down) No

(d) Mandatory amount being deposited in the escrow account annually is displayed on the website of common TSDF operator: (Yes/No): No

(e) What actions have been taken by SPCB in case of non-opening/non-deposition of mandatory escrow account/ displaying on website: (not more than 100 words)

State funds being used.

36. (a) Whether laboratory facility for the analysis of all HW parameters as required under the HOWM Rules has been available in the common TSDFs as (32) above. If no, No

(b) Timeline for the same (calendar): ----- There is no laboratory in this UT. The Administration may analyze the parameters with an accredited lab in mainland as and when required.

I. Impact of other regulation

37. (a) Brief note on action taken to bring domestic hazardous waste into the ambit of HW inventory (2018-19): (upload option)

(b) How many domestic hazardous waste deposition centers exist in the State/UT: Nil

(c) How many of (b) above have been authorised under HOWM Rules, 2016: Nil

(d) Quantity of domestic HW received in deposition center for (till 15/01/2020): Nil

- Disposal into TSDF
- Recycling/Utilisation

(e) Quantity of domestic HW received in deposition center for (after 15.01.2020):Nil

- Disposal into TSDF
- Recycling/Utilisation

(e) Quantity of domestic HW disposed in TSDF (till 15/01/2020): Nil

(f) Quantity of domestic HW disposed in TSDF (after 15/01/2020):Nil

(g) Brief note on action taken to bring fluorescent & other mercury containing lamp into the ambit of HW inventory (2019-20): (upload option) The UT Administration has been already ban and CFL and other fluorescent & other mercury containing lamp.

(h) Quantity of fluorescent & other mercury containing lamp disposed in TSDF (before 15/01/2020) NA

(i) Quantity of fluorescent & other mercury containing lamp disposed in TSDF (after 15/01/2020) NA

(j) Whether Common TSDF operator has declared the above received as at (e) and (ii) (domestic HW and fluorescent & other mercury containing lamp) in their annual inventory report (2019-20) separately (Yes/No): NA

J. Capacity Building

38. (a)Whether an action plan has been prepared to have at least one laboratory where all HW parameters as required under the HOWM Rules can be analyzed: (Yes/No) : No

(b) Time (in terms of month month/year) by which (a) above would be commissioned in SPCB/PCC: (provide calendar)

(c)Whether Capacity building in terms of qualified and experienced manpower has been provided (yes/no)(upload option) NO

(d) Time (in terms of month month/year) by which (c) above would be provided: (provide calendar) 31.12.2020

K. Action Plan for recycling/utilization (with upload option)

39 (a)Whether SPCB/PCC has evolved any approach in recycling and utilization of hazardous waste in terms of waste management hierarchy.(yes/no) (upload document)

If yes, (drop down option for the following type of such programme)

- Concept of waste exchange banks
- Know your waste programme
- Circular economy
- Documentation of success story

(b)Please upload the details of the approach adopted. If no,

(c)Action plan along with timeline for level playing of industry shall be provided. (upload option)

40 Whether any benchmarks/guidelines have been developed by SPCB/PCC for the possibilities of HW recycle/utilisation on case to case basis? (Yes/No) if yes, provide the details.(upload option): No

41 Whether SPCB/PCC has developed any environmental benchmarking among the similar industries generating HW which can be useful to ensure consistency and uniformity for rationalizing the HW generation and reuse/utilization.(yes/no): No

if yes, provide the details.(upload option)

If no,

Action plan along with timeline for level playing of industry shall be provided. (upload option) :

FORMAT FOR PROVIDING LABORATORY FACILITIES AVAILABLE WITH SPCB/PCC

A. General Information

S. No	Particular	Details									
1	Name of SPCB	Lakshadweep Pollution Control Committee									
2	Name and designation of the official (head of the laboratory)	No Laboratory is available for analyze the Hazardous waste.									
3	Contact number	NA									
4	Year of establishment of laboratory facility	NA									
5	Number of instruments/equipment available at HO (please enclosed list of instrument /equipment)	NA									
6	Whether laboratory is accredited? (Y/N)	NA									
7	Provide the accreditation details of and name of parameters accredited	NA									
8	Whether laboratory participated in any analytical quantity control (AQC)? (Y/N)	NA									
9	Provide year-wise details of AQC analysis: <table border="1" style="width: 100%;"> <thead> <tr> <th>Year</th><th>No of parameters</th><th>Z-score</th></tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Year	No of parameters	Z-score							NA
Year	No of parameters	Z-score									
10	Whether laboratory participated in any Proficiency Test (PT)? (Y/N)	NA									
11	Provide year-wise details of PT analysis: <table border="1" style="width: 100%;"> <thead> <tr> <th>Year</th><th>No of parameters</th><th>Z-score</th></tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Year	No of parameters	Z-score							NA
Year	No of parameters	Z-score									
12	Whether any audit (internal/external) has been conducted? (Y/N) If yes,	NA									
13	Details of such audit	NA									

B. Analysis Facility

S. No.	Parameters	Laboratory Facility at HO (Yes/No)	Test Method followed	Any other arrangement for analysis
1				
2				
3				
4				
5				

NOT URBAN

Annexure - R2

04/02/21



04896262262(o)

263367(Fax)

Email: selpwd@gmail.com

Email: lk-pwd@nic.in

GOVERNMENT OF INDIA/भारतसरकार
LAKSHADWEEP ADMINISTRATION/लक्षद्वीपप्रशासन
(LAKSHADWEEP PUBLIC WORKS DEPARTMENT)/लक्षद्वीपलोकनिर्माणविभाग
CIRCLE OFFICE/सर्किलकार्यालय
KAVARATTI - 682555

F.No.106/01/2019-S3 /233

दिनांक/Dated: 07.02.2021.

To/सेवामे

- ✓ The Member Secretary,
Lakshadweep Pollution Control Committee,
Department of Science & Technology,
Kavaratti.

Sub : LPWD Circle Office - Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues - Follow up action - Regarding.

Ref:- Letter F.No. LD-03003/1/2019-LPCC-UT-LKS/75 dated 01.02.2021 of Member Secretary, LPCC, Department of Science & Technology, Kavaratti.

Sir/महोदय

Please refer to the letter cited on the subject mentioned. The details pertaining to LPWD with respect to your letter F.No. LD-03003/1/2019-LPCC-UT-LKS/75 dated 01.02.2021 regarding Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues on the subject.

Sl. No.	Point	Comments/reply
1.	Brief note on the separate system for collection, segregation and transportation of Construction & Demolition Waste Management in the UT of Lakshadweep	Not formulated, However, the U.T. of Lakshadweep is considering the C&D waste as resource other than waste. The department as well as the private has stored the C& D material for a slight durations of period in identified sites and reuse the materials for the next construction activities like filling and leveling etc.
2.	Status of CETPs/ETPs	There is no proposal for Common Effloant Treatment Plants. In U.T. of Lakshadweep no major industries and hence there is no issue of pollution from industrial waste discharge, Sewage (without solid waste) from Kitchen,

	<p>Bath rooms are soaking to the ground through sock pits by the individual households. This will reach ultimately to the ground water aquifer after natural sand filtration through the 1.5- 2.0m porous sand bed and contamination caused to the aquifer is nominal. The planning commission in the year 2010 took notice of the problem and directed DRDE, Gwalior to visit Lakshadweep island and to seek out a solution to tackle the issue. The island being of small size and undulating in nature, conventional system of sewage disposal through centralized STP is not feasible. DRDE introduced bio toilet as practical solution for resolving the issue. The UTL administration decided to install Bio digesters to entire house hold and is in progress.</p>
--	---

Yours faithfully / आपका आभारी



C.N. Shajahan / स. एन. शाजहान
Superintending Engineer / अधीक्षण अभियंता

Copy to : 1. PA to the Secretary (Science & Technology), Kavaratti.
2. PA to the Secretary (Works), Kavaratti.

ANNEXURE G

Report in compliance to the Orders Dated 16.01.2019 and 31.05.2022 in Original Application No. 606/2018 before the Hon'ble NGT, New Delhi on behalf of Union Territory of Lakshadweep.

1.Solid Waste Management

- ❑ No ULBs at present in Lakshadweep. One Village (Dweep) Panchayat in every inhabited islands and a District Panchayat for entire territory of Lakshadweep. 10 Village (Dweep) Panchayat are designated as local bodies.

1	Total Quantity of Municipal Solid Wastes (TPD)	6 TPD biodegradable wastes (especially from kitchen wastes) and 12 TPD are non-bio degradable wastes.
2	Quantity of Solid Waste Collected (TPD)	12 TPD non-bio degradable (NBD) wastes. Kitchen wastes are reused in household level.
3	Quantity of MSW segregated & transported (TPD)	12 TPD
4	Quantity of MSW processed (TPD)	<ul style="list-style-type: none"> 12 TPD NBD wastes are transported to common depository site and the same has been transported to mainland for final disposal. 6 TPD of the kitchen wastes are treated in the house hold level such as feeding for the animals like cow, goat, hen and biogas.

5	Gap in generation and Processing (TPD)	Nil
6	Quantity of waste being disposed in landfills (TPD)	NIL (In the UT of Lakshadweep there are no landfill sites.)
7	No. of Legacy waste dump sites	No dumpsite in the UT of Lakshadweep. Central Garbage Depositary site is operating as temporary site for non-biodegradable waste which are regularly segregating manually.
8	No. of sites covered through Bio mining and correspondingly Area recovered	NIL

- ❑ People are encouraged to manage their biodegradable wastes at household level.
- ❑ Kitchen wastes are generated in the UT of Lakshadweep treated in the household level for feeding for the animals like cow, goat, hen and also using in the biogas plant in the houses.
- ❑ In the UT of Lakshadweep, there are no plastic waste recycling unit. Non-biodegradable waste that are collected from households are sorted and packed in common depository site and transported to authorized recycling unit in mainland.

2. Sewage Management

a) Quantity of sewage generation in the state (MLD):

Sl No	Name of the island	Total population (census 2011)	Estimated sewage generation in MLD
1	Agatti	7560	0.33264
2	Amini	7656	0.336864
3	Androth	11191	0.492404
4	Bitra	271	0.011924
5	Chetlat	2345	0.10318
6	Kadmat	5389	0.237116
7	Kavaratti	11221	0.493724
8	Kalpeni	4419	0.194436
9	Kilthan	3947	0.173624
10	Minicoy	10474	0.460856
Total		64473	2.836768

b) Treatment capacity in MLD:

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- ❑ In the islands do not have any major industries or factories.
- ❑ In the island out flow of sewage is only from individual household, private establishments and from government establishments.
- ❑ All the households have septic tanks and soak pits for faecal waste and a separate soak pit for non faecal waste water management.
- ❑ UTLA has implemented bio-toilets in three islands of Andrott, Kavaratti and Bitra.

- ❑ Proposed to explore possibility of Faecal Treatment Plant for processing of night soil.
- ❑ One sewage treatment plant (STP) is at Bangaram island resort with a treatment capacity is 0.24 MLD. Bangaram island is a uninhabited island, which is allowed for tourism.

C) Current Gap in treatment (MLD) : NIL

d) Utilization of treated sewage in

Agriculture/ Horticulture purpose	Industrial purpose	Any other purpose

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

O.A. No. 606 of 2018

In Re: Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues

Know all to whom these presents that I/We Advisor to the Administrator, Union Territory of Lakshadweep- 682 555, do hereby appoint:

APOORV KURUP ADVOCATE
[D/554/2005]
A-2/141 L.G.F. SAFDARJUNG ENCLAVE
New Delhi-110 029
Telefax: 011-41733001/02/03
Cell: 08800185864
Email: office@akurup.com

(Hereinafter called the Advocate) to be my Advocate in the above mentioned case and authorize them:

1. To act, appear and plead in the above mentioned case in this Court or any other Court in which the same may be tried or heard in the first instance or in appeal or letters patent appeal to review or revision or execution or in any other stage of its progress until its final decision.
2. To file and present pleadings, appeals, letters patent appeal, petition of appeal to Supreme Court, cross objections, or petitions or execution, revision, withdraw, compromise or other petitions or affidavits or other documents as shall be deemed necessary or advisable for the prosecution of the said case in all its stages.
3. To withdraw or compromise the said case or submit to arbitration any differences or dispute that I have to state that shall arise touching or in any manner relating to the said case.
4. To file or take back documents.
5. To deposit, draw, and receive moneys and grant receipts therefore and to do all other acts and things which may be necessary to be done for the progress and in the course of the prosecution of the said case.
6. To appoint, instruct any other legal practitioner authorizing him to exercise the power and authorities hereby conferred upon the Advocate whenever he may think fit to do so and sign the power of attorney on my/our behalf.

AND I/We hereby agree or ratify whatever the advocates or their substitutes shall do in the premises.

AND I/We the undersigned do hereby agree not to hold the Advocates or their substitutes responsible for the result of the said case.

AND I/We the undersigned do hereby agree that I have to state that in the event of the whole or any part of the fee agreed by me/us to the Advocates remaining unpaid they will be entitled/allowed to seek an adjournment or to withdraw from the prosecution of the said case until the same is paid.

IN WITNESS WHEREOF I/We do hereunto set my/our hand(s) to these present the contents of which have been understood by me/us this the 1st day November of 2022.

Accepted subject to the Terms regarding fees.



(Apoorv Kurup)

Advocate

Client

Advisor to the Administrator
U.T. of Lakshadweep
Kavaratti-682555