

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI**

Original Application No. 1011/2018

IN THE MATTER OF:-

Jagdish Kumar

.....Applicant

Versus

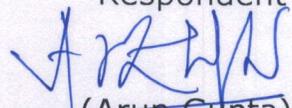
State of Haryana

.....Respondent(s)

INDEX

Sr. No.	Particulars	Dated	Pages
1.	Status report of Arun Gupta, Addl. Chief Secretary to Government Haryana, Urban Local Bodies Department on behalf of the State of Haryana in compliance of order dated 09 May 2022 of Hon'ble NGT.	13.01.2023	1-6
2.	Annexure R-1		7-9
3.	Annexure R-2		10

Placed:- Chandigarh
Dated:- 13.01.2023

Respondent

(Arun Gupta)
Addl. Chief Secretary to Government Haryana,
Urban Local Bodies Department
on behalf of State of Haryana

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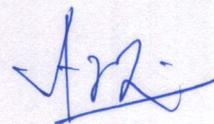
State of Haryana

.....Respondent (s)

Status report of Arun Gupta, Addl. Chief Secretary to Government Haryana, Urban Local Bodies Department on behalf of the State of Haryana in compliance of order dated 09 May 2022 of Hon'ble NGT.

RESPECTFULLY SHOWETH:-

1. That I, in my official capacity as Addl. Chief Secretary to Government of Haryana, Urban Local Bodies Department am well conversant with the facts and circumstances of the present case and competent to file the present status report on behalf of the State of Haryana, on the basis of record/information made available by the Urban Local Bodies Department.
2. That the status report is being filed in compliance of the directions dated 09 May 2022 issued by this Hon'ble Tribunal and are to be complied with by the Municipal Bodies in the State of Haryana. Relevant part of the said order dated 09 May 2022 is reproduced hereunder:-



"In view of above, the Chief Secretary, Haryana may undertake more rigorous monitoring. The sites where legacy waste is cleared must be properly closed. The end destination of the material removed from the legacy waste site must be specified to ascertain the effectiveness of the waste processing. Steps be also taken to prevent setting up of fire to the garbage. The Chief Secretary, Haryana may have a joint meeting with the Monitoring Committee constituted by this Tribunal and the Regional Officer, CPCB within one month for interaction. Points for discussion may include compliance of Guidelines for bio mining, end utilization plan for the recovered material for Compost, RDF, C&D waste, Inerts and others so that actually the land is reclaimed, status of 37 MCs in terms of waste generation and processing facilities to process day to day waste generated and still being dumped into dumping grounds, preventing mishaps due to landfill fires, and regulation and monitoring safety of habitation in close proximity of dumping grounds."

A further report about compliance status as on 31.08.2022 may be filed by 15.09.2022 by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/OCR Support PDF and not in the form of Image PDF".

3. That in compliance of the aforesaid orders, a meeting was held under the Chairmanship of Sh. Sanjeev Kaushal, Chief Secretary Haryana with the Monitoring Committee, constituted by this Hon'ble Tribunal and Municipalities, on 09 November, 2022. The status of remediation of legacy waste sites and issues such as compliance of Guidelines for bio mining, status of utilization of recovered material for Compost, RDF, C&D waste, Inerts, land reclaimed, status of 37 MCs in terms of waste generation and processing facilities, to process day to day generated waste preventing



mishaps due to landfill fires and regulation and monitoring, safety of habitation in close proximity of dumping grounds were reviewed in the meeting. The minutes of meeting are annexed at **Annexure R-1**.

4. That as per the earlier assessment, the legacy waste in municipalities of State was approximately 71.68 lakh MT which was got re-assessed as per the observation of the Joint Committee constituted by Hon'ble NGT vide order dated 23 September 2021 in the matter vide report dated 15 March 2022 and it came out to be approximately 101 lakh MT. The density of waste is the major component which affects the quantity of legacy waste. At the time of tendering, standard density @600 kg/Cum was taken for estimation purpose. While, when the revised assessment of legacy waste was got done at all the sites, at some of the sites, the quantity of legacy waste is found to be more than the earlier estimated quantity because of variation in density and depth of the legacy waste. Latest status of remediation of legacy waste sites has been prepared after taking the information from Municipalities.

5. That the work of remediation of legacy waste at 40 sites having approximately 94.68 lakh MT legacy waste, i.e., 93.74% of total quantity which also includes 40.50 lakh MT legacy waste at Bandhwari, Gurugram and being dealt with by the Hon'ble Tribunal in separate case, i.e., OA No. 172 of 2021 title as Poonam Yadav Vs. M/s Ecogreen Energy Pvt. Ltd. and Others. Out of the 54.18 Lakh MT legacy waste (except Gurugram), approximately 31.90 Lakh MT (58.87%) waste has been processed. The processing of remaining waste is likely to be completed by December, 2023. The detail is annexed at **Annexure R-2**.

6. That the municipalities have reported that processed fractions of legacy waste are being disposed off scientifically. Out of total processed waste, i.e., 31.90 Lakh MT, approximately 29.29 Lakh MT processed fractions such as compost/soil enricher, RDF, C&D waste and inert etc. were

recovered out of which approximately 24.38 Lakh MT have been disposed off by municipalities till date and approximately 101.05 acre land has been reclaimed. The fresh waste generation in those 39 ULBs where remediation work is in progress is approximately 2642.45 TPD out of which approximately 2146 TPD is being processed and remaining is being dumped at dump sites. The detail is as under:-

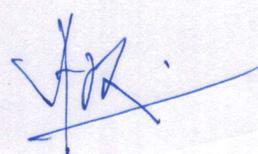
Sr. No.	Description	Status
1	Quantity of legacy waste in 39 ULBs (except Gurugram) where remediation work is in progress. (In MT).	5418292
2	Total quantity of legacy processed (In MT).	3190696
3	Total land reclaimed (In Acres).	101.05
4	Quantity of manure/ compost/soil enricher recovered from the processing of legacy waste (In MT).	1624534.79
5	Quantity of Soil enricher/compost disposed off (In MT).	1486772.77
6	Quantity of RDF recovered from the processing of legacy waste (In MT).	612277.61
7	Quantity of RDF disposed off(In MT)	452260
8	Quantity of C&D waste recovered from the processing of legacy waste (In MT).	165171.40
9	Quantity of C&D waste disposed off(In MT).	136179.91
10	Quantity of inert recovered from processing of legacy waste (In MT).	527592.29
11	Quantity of inert disposed off(In MT).	362999.97
12	Fresh waste generated (In TPD).	2642.45
13	Fresh waste processed (In TPD).	2146.00

To manage the gap in processing of fresh waste in the Municipalities mentioned in Annexure R-2, (ULBD) Urban Local Bodies Department has selected concessionaire for Integrated Solid Waste Management (ISWM) cluster of Bhiwani, Sirsa and Karnal-Kaithal-Kurukshetra. The concessionaire

shall manage the collection, segregation, transportation and processing of waste in Municipalities under the said clusters and concession period shall be 22 years. The likely date to achieve the 100% processing of waste in above said cluster is 30 June 2023 and gap in processing of fresh waste in MC, Bhiwani, CharkhiDadri, Rania, Ellenabad, Kalanwali, Kaithal, Kalayat & Cheeka shall be covered. For remaining Municipalities, MCs are hiring agencies for collection, segregation, transportation and processing of waste in decentralized way on yearly basis till finalization of concessionaire under ISWM cluster and hopefully, the gap in processing of fresh waste shall be covered upto 30 June 2023.

7. That in the meeting dated 09 November 2022, municipalities have also been directed to ensure all safety precautions at land fill sites to prevent fire incidents, noise pollution and ground water contamination. However, no major fire incident has been reported at land fill sites in last 01 year except Gurugram. The municipalities have also been directed to use the 30% area of land reclaimed through remediation of legacy waste, for forestation.

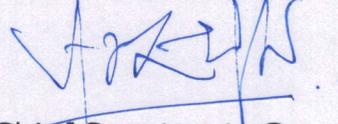
8. That accordingly, State of Haryana is trying its best to manage bio-remediation of legacy waste. However, some delay has occurred in bio-remediation of legacy waste because of unavoidable constraints and due to lack of technical knowhow in the staff associated with remediation work. However, Urban Local Bodies Department is trying to build the capacity of municipalities staff associated with waste management for which two days workshops/training programmes were scheduled on 26th May, 2022 at Karnal and 27th May, 2022 at Gurugram on Solid Waste Management wherein Sh. Absar Ahmad Kazmi, Professor of Environment Engineering, IIT Roorkee, Engineers from Goa Waste Management Corporation and Officers from Municipal Corporation, Bhopal were invited to share their experience in



waste management. The officers from all ULBs participated in those workshops.

9. That the State of Haryana is taking sincere and effective steps to comply with the directions of Hon'ble NGT in its letter and spirit. The aforesaid status report may kindly be accepted and taken on record in compliance of orders dated 09 May 2022 passed by this Hon'ble National Green Tribunal.

Respondent



Addl. Chief Secretary to Government Haryana,
Urban Local Bodies Department
on behalf of State of Haryana

Placed:- Chandigarh
Dated: 13.01.2023

Minutes of Meeting held under the Chairmanship of Chief Secretary, Haryana regarding order dated 09.05.2022 passed by NGT in the matter of OA No. 1011/2018 Jagdish Kumar Vs State of Haryana on 09.11.2022.

A meeting was held on 09.11.2022 at 04:30 PM under the Chairmanship of Chief Secretary, Haryana to review the status of remediation of legacy waste sites in the State in compliance of the order dated 09.05.2022 passed by NGT in the matter of OA No. 1011/2018 Jagdish Kumar Vs State of Haryana. The list of participants is attached at **Annexure-I**.

At the outset, Additional Chief Secretary, Urban Local Bodies welcomed all the participants and briefed about directions of Hon'ble NGT dated 09.05.2022 in the above said matter. The operative part of orders is reproduced as under:-

"In view of above, the Chief Secretary, Haryana may undertake more rigorous monitoring. The sites where legacy waste is cleared must be properly closed. The end destination of the material removed from the legacy waste site must be specified to ascertain the effectiveness of the waste processing. Steps be also taken to prevent setting up of fire to the garbage. The Chief Secretary, Haryana may have a joint meeting with the Monitoring Committee constituted by this Tribunal and the Regional Officer, CPCB within one month for interaction. Points for discussion may include compliance of Guidelines for bio mining, end utilisation plan for the recovered material for Compost, RDF, C&D waste, Inerts and others so that actually the land is reclaimed, status of 37 MCs in terms of waste generation and processing facilities to process day to day waste generated and still being dumped into dumping grounds, preventing mishaps due to landfill fires, and regulation and monitoring safety of habitation in close proximity of dumping grounds."

Chief Engineer, Urban Local Bodies gave a power point presentation on the status of remediation of legacy waste sites in the State.

During the review of the status, Chief Secretary, Haryana praised the work of remediation of legacy waste at Ambāla and Kaithal. CS also shows concern on slow progress of the remediation work at Karnal.

Justice Pritam Pal, Former Judge, Punjab and Haryana, High Court and now Chairman, Monitoring Committee asked about the status of processing of fresh waste and legacy waste in MC-Manesar. Commissioner, MC-Manesar informed that approximate 36000 MT of fresh waste has been accumulated at site. Monitoring Committee directed the Commissioner to prepare a time bound action plan for management of waste and submit the same before the Committee.

Smt. Urvashi Gulati, Former CS, Haryana and now member of Monitoring Committee informed that the Committee has visited various sites of legacy waste in

8

Minutes of Meeting held under the Chairmanship of Chief Secretary, Haryana regarding order dated 09.05.2022 passed by NGT in the matter of OA No. 1011/2018 Jagdish Kumar Vs State of Haryana on 09.11.2022.

Haryana and found the remediation work satisfactory only at few sites. Committee suggested to adopt the following measures:-

- Toxicity of soil enricher/compost is required to be checked again at the remediation sites before final disposal of same.
- Sampling record should be maintained periodically (6 months) for each site.
- Crushers should be installed in all the C&D plants and thereafter pebbles may be used to fill low lying areas.
- Major Municipal Corporation may initiate a pilot project for leachate treatment and the best practices may be replicated in other ULBs.

After due deliberation and discussion with the Monitoring Committee, the following directions were issued to the Municipalities:-

- i. Before putting the legacy waste into the Trammel for processing, the waste should be dried properly making wind rows in a scientific manner.
- ii. The recovered fractions should be kept covered with temporary sheds till the final disposal.
- iii. The fresh waste should not be dumped at legacy waste sites. It should be processed and disposed as per SWM Rules.
- iv. Monitoring Committee suggested that 30% of the land reclaimed through remediation of legacy waste may be used for forestation.
- v. More emphasis should be given to Source segregation in all the ULBs for better management of fresh waste.
- vi. All the ULBs shall fix the target to achieve the 100% source segregation and shall communicate the same to DULB HQ.
- vii. Proper monitoring & disposal of Dry Waste, Domestic Hazardous Waste, Bulk Waste Generator, Garbage Vulnerable Points, Secondary Points, Leachate and C&D waste should be ensured.
- viii. All the ULBs shall prepare Fire Management Plan to prevent mishaps due to fire.

Meeting ended with the thanks to chair.



Annexure-I

List of Participants attended the meeting held on 09.11.2022 regarding order dated 09.05.2022 passed by NGT in the matter of OA No. 1011/2018 Jagdish Kumar Vs State of Haryana:

Sr. No.	Name of the Department	Name of the Officer
1	Chief Secretary to Government Haryana	Sh. Sanjeev Kaushal, IAS
2	Chairman, Monitoring Committee	Hon'ble Justice Pritam Pal, Retd. Judge, Punjab and Haryana High Court
3	Member Monitoring Committee	Ms. Urvashi Gulati, IAS (Retd.), Former Chief Secretary Haryana, Member Monitoring Committee
4	Additional Chief Secretary to Government Haryana, Urban Local Bodies Department	Sh. Arun Gupta, IAS
5	Former Member Secretary, PPCB, now Technical Expert, Monitoring Committee	Dr. Babu Ram
6	Additional Director, CPCB	Sh. Suneel Dave
7	Chief Engineer, DULB	Sh. Ashok Rathee
8	All the Commissioners of Municipal Corporations in the state of Haryana.	Through Video Conferencing
9	All the District Municipal Commissioners in the State of Haryana	Through Video Conferencing

Annexure R-2

Sr. No.	Name of MC	Quantity of waste of dumpsite (In Lakh MT)	Quantity of waste processed up till date (In MT)	Land recovered after processing of legacy waste (In Acres)	Quantity of manure/enricher/soil recovered from the processing of legacy waste (In MT)	Quantity of Soil enricher/co compost disposed off	Quantity of RDF recovered from the processing of legacy waste (In MT)	Quantity of RDF disposed off	Quantity of waste recovered from the processing of legacy waste (In MT)	Quantity of C&D waste disposed off	Quantity of inert recovered from the processing of legacy waste (In MT)	Quantity of inert disposed off	Fresh Waste Generated	Fresh Waste processed
1	Assandh	15300	15300	1.5	10500	85269.397	3750	3750	1050	1050	0.00	0.00	10.00	10.00
2	Bhiwani	314000	114000	3	85269.397	3378.5	17053.881	17053.881	11369.253	450.46	1200.00	1138.68	75.02	56.12
3	CHEEKA	18000	16000	Work in Progress	9000	4744	3450	3302	346	346	3413.00	1800.00	20.00	6.67
4	FARRUKHAGAR	11857	11857	2.5	16500	31600.00	4400	4400	2300	2300	1600	1800.00	21.00	21.00
5	Ganaur	25000	25000	4	31600.00	2250	6700.00	2500.00	2100	2100.00	27000.00	1600.00	39.00	1.67
6	GOHANA	119000	42000	2.4	31500	800	13500	13500	900	50	150.00	2500.00	180.00	104.67
7	Hisar	200000	90000	3	800	46000	500	NIL	50	50	4300.00	9816.00	26.00	26.00
8	Jhajjar	30000	1500	0.5	58587	610	9887	9887	5627	5627	80.00	80.00	80.00	75.00
9	Jind	288862	100000	2	610	13400	495	495	200	18	175.00	890.00	11.00	8.00
10	Kaithal	168000.00	85.382	2	13400	16876	4800	4800	1450	1410	1350.00	280.00	20.00	20.00
11	Kalanwali	3280	1480	1.5	82414.8	82414.13	7671	7671	3222	3222	2715.00	9222.03	206.67	103.33
12	Kharkhoda	24000	21000	1	8710	7510	12192.36	350	460.005	240	1608.00	1700	17.00	17.00
13	Mandi Dabwali	126684	30684	1.5	6750	2098.45	2450	2450	945	945	565.00	11.30	11.30	11.30
14	Manesar	152500	105000	4.25	12635.74	2098.45	2098.45	2098.45	1096.28	1096.28	1760.00	89.03	89.03	89.03
15	Meham	13630	13400	0.5	2003	24648	1555.444	1555.444	Nil	Nil	452.20	12.00	12.00	10.50
16	NILOKHHERI	11000	11000	1.5	24648	0	11110	11110	4672	4672	3950.00	101.00	101.00	101.00
17	Palwal	17590	17590	1.5	136.05	Not weighted yet	247	0	98.94	0	24.73	0.00	4.00	1.50
18	Rania	5200	44500	0.5	Not weighted yet	7183	845	845	422	422	0.00	0.00	40.00	39.23
19	SIRSA	263000	1236	0.15	7183	190500	82780	82780	59349	38295	64231.00	180.00	180.00	10.30
20	siwani	1236	1236	0.4	253852	143000	151292	32500	500	500	9000.00	9000.00	85.00	85.00
21	Sohna	54000	7000	0.4	5880	5880	3026.2	3026.2	1470	1470	7350.00	22.00	22.00	9.00
22	TARAORI	8766	8766	9	4325	29610	1877	1877	1205	1205	722.00	31.00	31.00	11.40
23	Ambala	577349	530850	2.5	29610	15784	4606	4606	6923	6923	5330.00	809.00	21.83	21.83
24	Bahadurgarh	430000	185000	1.75	15784	340	2833	2833	405	405	314.00	809.00	8.00	6.80
25	Charshi Dabri	26400	27029	1	9890	9890	743	743	17	17	314.00	314.00	8.00	6.80
26	ELLENABAD	10816	8182	1	9890	9890	2712.73	2712.73	600.56	600.56	796.84	796.84	13.50	12.00
27	Fatehabad	90000	47000	1.5	9890	9890	3548	3548	25	25	14031.00	11069.00	115.57	115.57
28	Gharaunda	20236	20236	Work in progress	13935	13935	25740	25740	2860	2860	62920.00	62920.00	43.00	0.00
29	Hathin	3420	1650	Work in progress	51480	51480	2890.15	2890.15	635.31	635.31	869.22	869.22	11.00	11.00
30	Kalayat	15000	14000	Work in progress	10606	10606	2890.15	2890.15	635.31	635.31	869.22	869.22	11.00	11.00
31	Karnal	95022	61000	20	30625	30625	49000	49000	6125	6125	18375.00	18375.00	191.80	186.03
32	Narnaul	188000	143000	1.25	182336	182336	58970	58970	19056	19056	41748.00	41748.00	216.00	215.00
33	Nissing	15000	15000	Work in Progress	6638	6638	1299	1299	1373	1373	1390.00	1390.00	8.00	8.00
34	Panchkula	416788	122000	7	122525.81	122525.81	22321.4	22321.4	4687.06	4687.06	16407.00	16407.00	86.00	70.00
35	Panipat	409200	302110	2	192000	192000	78000	78000	15000	15000	210000.00	128000.00	170.00	170.00
36	Pataudi Mandi	11027	10943	5	181841	181841	31500	31500	8862	8862	3798.00	13000.00	273.00	251.13
37	Rewari	247128	200000	7	181841	181841	31500	31500	8862	8862	3798.00	13000.00	273.00	251.13
38	Rohtak	800000	610000	6	101.05	1624534.797	612277.615	612277.615	452260.2	165171.408	527592.29	362999.97	2642.45	2146.00
39	Yamunanagar	192001	126001	6	101.05	1624534.797	612277.615	612277.615	452260.2	165171.408	527592.29	362999.97	2642.45	2146.00
Total		5418292	3190696	101.05	1624534.797	1486772.77	612277.615	452260.2	165171.408	136179.918	527592.29	362999.97	2642.45	2146.00

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