BEFORE THE HONOURABLE NATIONAL GREEN TRIBUNAL, PRINCIPAL BENCH, NEW DELHI

In Original Application No. 164 of 2022 (PB)

IN THE MATTER OF

Sri.S.Srinivas Rao & Ors

...Applicant (s)

Versus

State of Andhra Pradesh& Ors

.....Respondent (s)

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Date: 04-06-2022

Place: Srikakulam.

REPORT OF JOINT COMMITTEE IN THE MATTER OF OA NO.164 OF 2022 (PB) SUBMITTED TO THE HON'BLE NATIONAL GREEN TRIBUNAL, PRINCIPAL BENCH, NEW DELHI IN COMPLIANCE TO HON'BLE NGT ORDER DATED APRIL 05, 2022

I. Preamble

Hon'ble National Green Tribunal (NGT), Principle Bench, New Delhi registered a case O.A No. 164 of 2022 based on a complaint received by email from Sri Srinivas Rao & Ors, Srikakulam District. The Grievance of the application is unscientific dumping of Marble slurry on agricultural land near Harischandrapuram railwaystation, Kotabommali Mandal, Srikakulam District, Andhra Pradesh, which is adversely affecting the environment and public health. Marble slurry generated from the Marble Polish units located at Nimmada, Peddabammidi and Yetturallapdu, and violating the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1986. The Hon'ble NGT, vide order dated April 05, 2022 constituted a joint committee comprising of CPCB, State PCB and District Magistrate, Srikakulam to undertake visit to the site, interact with the stakeholders and prepare an action plan.

II Orders of the Hon'ble Tribunal dated 05.04.2022

"4. Accordingly we constitute a joint Committee comprising CPCB, State PCB and District Magistrate, Srikakulam to undertake visit to the site, interact with the stakeholders and prepare an action plan. State PCB will be the nodal agency for coordination and compliance. The Committee may meet within two weeks, undertake visit to the site and interact with the stakeholders. The Committee may ascertain the present consent practices of slurry disposal at notified sites as per Air and Water Acts, prescribed consent conditions for slurry generating industries for slurry utilization and preventing damage to the environment, including agriculture and remediation of existing site(s).

5. Based on facts found, the statutory regulators may take remedial action as per law. An action taken report may be furnished to this Tribunal within two monthsby e-mail atjudicial-ngt@gov.in preferably in the form of searchable PDF/OCR Support PDF and not in the form of Image/PDF. Copy of the Hon'ble NGT order dated 05.04.2022 is placed as Annexure-I.

III Constitution of Joint Committee

In compliance to the Hon'le NGT order, the joint committee was constituted comprising of following members:

- 1. Sri. Hanumanthu. V Jayaram, Revenue Divisional Officer & Sub Divisional Magistrate, Tekkali, Srikakulam District (on behalf of the District Collector)
- 2. Smt. Poornima B M, Scientist D, Central Pollution Control Board, Regional Directorate-Chennai
- Sri. S. Shankar Naik, Environmental Engineer, Andhra Pradesh Pollution Control Board, Regional Office - Srikakulam

IV Scope of Committee

The Committee has been vested with following scope vide the Order date April 5, 2022:

- a. To undertake visit to the site
- b. Interact with the stakeholders
- c. Prepare an action plan
- d. To ascertain the present consent practices of slurry disposal at notified sites as per Air and Water Acts and prescribed consent conditions for slurry generating industries for slurry utilization
- e. Based on facts found the statutory regulators to take remedial action as per law

V Site Visit by the Committee

The committee convened its first meeting on 04.05.2022 through video conference and devised an action plan to proceed further in the case and finalized the dates for site visit. The committee inspected the sites where Marble slurry was illegally dumped, interacted with concerned stakeholders and inspected the Granite polishing and cutting units on 18.05.2022. Sri DVR Kumar, Assistant Director, Mines & Geology, Tekkali was also nominated by the District Collector, Srikakulam to accompany the committee for site visit and interaction with the stakeholders.

VI a. Deposits of Granite and Marble in Srikakulam District

The rock formations in Eastern Ghats Mobile Belt of Archean age are divided into three longitudinal zone viz.., West Charnockites Zone, the Central Khandolite Zone and the Eastern Migmatitie Zone. The Eastern Migmatitie Zone is well developed in the Northern parts of Andhra Pradesh around Visakhapatnam, Vizianagaram, and Srikakulam Districts and also found partly in the Krishna District. The types of rocks that are broadly found in Srikakulam District are Granite Gneississes, Khondalites, Charnockites belongs to Pyroxene Granulites, Migmatites, Leptynite and intensive PorphyroblasticCharnockites. Out of which, the Migmatities Charnockites and Lyptynites are extensively quarried in Srikakulam district as dimensional stone Granites and processed as Srikakulam Blue variety. The Granite rocks are termed as Srikakulam Blue owing to the presence of Bluish opalescent Quartz and Bluish grey Feldspar.Actually, these are Migmatite and MigmatiteCharnockites, generallyMigmatite, in geology means rock composed of metamorphic (altered) post material i.e. streaked or veined meaning mixed or hybrid rock.

Marble is defined as a 'minor mineral' in Clause (e) of Section 3 of Mines and Minerals (Development & Regulation) Act, 1957. In terms of geological definition 'it is a metamorphosed limestone produced by recrystallization under thermal conditions.

The main type of rocks present in Srikakkulam mines are Migmatite (blue variety Granites) and leptynite rocks in the form of boulders and sheets. The colour of blue in Granites varies from dark blue to light blue due to the intensity of presence of blue quartz. The predominant minerals present in the leptynite are alkali-feldspar, containing minor quartz, white mica, garnet & tourmaline with a planar gneissose structure.

In Srikakulam District around 182 mines and around 128 cutting and polishing units are present. The average monthly raw Granite production in Srikakulam district is about 17,400 cu.m,out of which 55 to 66% of raw Granite is exported to China, Taiwan, Brazil, & to other countries. The remaining 34% of raw Granite blocks are processed in local Granite cutting and polishing units for domestic purposes.

VI. b. Processing Granite cutting and polishing unit operations:

- The site selection for Granite mining is done in consultation with the Mines Department and based on studying the topography of the area, Granite block is marked and removal of Granite block from the quarry is carried out manual, semi-mechanized & fully-mechanized. The mined blocks are transported to processing units through trucks.
- 2. The rough and unpolished Granite block, received from mines ranges 15-20MT weight, it is unloaded in the gantry yard with the help of Gantry Cranes. To remove the non-uniform surface of blocks, they are dressed on dressing machine before shifting to gang saws cutting machine. After dressing, the block is shifted to gang saw having 75-125 saws in parallel. Each saw is brazed with number of segments called diamonds segments. These segments act as teeth and cut block into required thickness. The normal thickness is 15-20 mm. This thickness of segment is approx. 5mm while saw thickness is 3 mm. The blade thickness of the saw is about 5 mm and normally the blocks are cut in 20mm thick sheets. Therefore, out of every 25mm thickness of Granite block, 5mm thick block turns into powder on cutting.
- 3. During processing of Granite blocks, water is used as coolant and is continuously sprinkled on block to reduce the heat generation. The wet dust generated in cutting process is taken into zigzag storage tanks. Due to the process of sedimentation the coarse (solid) to dust (solid) settles down from the bottom to the top of the storage tanks and the transparent supernatant water is again reused for sprinkling over the block.
- 4. Average water loss per day is 1000lt and Approx. 1000-1500 Kilowatt of power is required per day for each gang saw to process the block.
- 5. While cutting and polishing of one cum Granite block yields 350sqft of Granite slabs and remaining as waste in the form of stone and slurry.
- 6. The water requirement is fulfilled through bore wells and about 20-25% of the Granite block processed results into Granite slurry. The Granite slurry has nearly 35-45% water content. 5-7% of processed Granite block turns into polishing waste on grinding & polishing of the block.

7. The sludge accumulated in the settling tanks are removed frequently by using slurry pumps and stacked within their premises, after drying it is disposed in low laying areas.

VII Site visit by Joint Committee

- 1. Srikakulam District is having about 128 Nos. of Granite Cutting & Polishing units located in Mandals of Kotabommali, Tekkali and Saravakota as clusters. These units are located within the radius of 30 KM from Nimmada junction, Kotabomali Mandal.
- 2. During the site visit, the Committee observed Granite slurry dumped along the approach road of Harischandrapuram village road. On inquiry, it was learnt that the private land owners as well the farmers are utilizing the Granite slurry waste powder for filling low laying area as well for constructions because of cost effective. The Revenue authorities informed that the waste has been dumped with the consent of land owners. The committee observed few dumping's along the irrigational canal of Yethurlapadu Village.
- 3. When the visit was made to the Marble processing clusters, the Granite slurry waste is dumped in the unit premises along the boundary of the premises. The Granite slurry is used only for filing low lying areas.

VIII Committee interaction with Stakeholders

The committee members interacted with the owners of Granite cutting and polishing and educated the impact of dumping of Granite slurry waste in environment as below:

- a. Studies have revealed that improper dumping of Granite slurry degrades the environment in numerous ways causes adverse impact on ecology, land degradation, visual effect, flooding of water, air pollution. In addition, the porosity of aquifer zones and contaminating the underground water will occur if the waste is deliberately being dumped on the water bodies. Reduced porosity & permeability of the topsoil affects the soil fertility and reduces the percolation rate of rain water resulting in reduced rate of ground water recharging.
- b. Random disposal of the Granite fines would also lead to health hazards like respiratory and allergy problems to the people dwelling in the areas. Waste

Report of the Joint Committee in the matter of OA No. 164/2022 (PB)

management problem is of critical concern in which waste materials are being used to produce new products in such a way that natural resources are saved.

- c. Continuous exposure of Granite dust can cause severe respiratory disorders like bronchitis, asthma along with dermal & eye irritation in labors and local population. Deposition of particulate/fugitive dust on roads causes emission of particulate matter due to vehicular activities and strong wind currents.
- d. Disposing the slurry waste near to water bodies, road side areas can deteriorate the surface & ground water quality by increasing turbidity, suspended solids, calcium and magnesium hardness.

The Granite processing units Association Secretary informed that several requests were made to District Collector, Srikakulam for allocation of land for dumping of slurry/sludge in designated place, so that it can be utilized for various purposes such as road construction, brick manufacturing etc.,. At present the units are stacking the waste within their premises or dumping in low lying areas. No bulk consumer like NHAI is coming forward for lifting the waste as it is not available at single source. The committee instructed the association members to submit the proposed action plan for safe and scientific disposal of slurry/sludge.

IX Present consent practices of slurry disposal and utilization

As per CPCB revised classification of industrial sectors, cutting, sizing and polishing of Granite stone have been categorized under **Green Category.** The Government of Andhra Pradesh simplified the procedure from issue of regular consents to issue acknowledgment for non-polluting Small Scale Industries (SSI). As per the orders of Govt. of AP, the Andhra Pradesh Pollution Control Board (APPCB) is issuing one time Acknowledgement to the SSI which would serve the purpose of consent of the Board.

APPCB, Regional Office, Srikakulam issued acknowledgments to Granite cutting and Polishing units under Green Category with a condition that "the industry shall collect solid waste i.e., sludge and cutting edges properly and it shall be disposed in the dump yard earmarked within the premises under any circumstances it should not be disposed in any unauthorized areas"

The copy of the consent issued to the unit is attached as **Annexure II.** As per the consent conditions, the units are not complying with the conditions and are disposing waste in low lying and unauthorized areas. The Granite slurry is not utilized in producing any valuable

products but being dumped along the road side for filling of low laying areas to utilize the lands for constructions.

X Action taken by APPCB

APPCB received a complaint by Sri S. Srinivasulu, Advocate and other residence of Harischandrapuram Village, KotabommaliMandal, Srikakulam District regarding improper dumping of Marble slurry and depositing at survey no.11 of Harischandrapuram Village from the Marble polish units located at Nimmada, Peddabammidi, YetturallapaduMandals. The complainant also represented that these units are being operated in violation of certain provisions of the Air, Water and Environmental Acts. Copy of the complaint is placed as **Annexure III**.

APPCB, Regional Office, Srikakulam inspected these units and issued notices on 18.01.2022 to all Granite Cutting and Polishing Units located in Srikakulam District for disposal of slurry/sludge indiscriminately along the NH-16 and causing dust nuisance and to take immediate remedial measures. The copy of the notices area enclosed as **AnnexureIV**. However till now APPCB has not received any reply for the notices by the units.

XI Remedial measures suggested by the Joint Committee

- 1. Due to non-availability of designated site for dumping the Granite slurry, the units are disposing the waste in low lying areas, along road sides and in unauthorized lands causing air and other environmental issues. Government of AP or the District Administration, Srikakulam shall allocate suitable site within the existing Granite processing units or located at isolated place preferable 1km away from any notified human habitation.
- 2. After identification of designated site for disposal of Granite slurry, the Marble association shall construct the dumping yard with sufficient depth and for fulfilling 5 years dumping requirements. The yard shall be provided with decanter wells, so that decanted water is recycled in gang saw units.
- 3. The Marble/Granite slurry can be used in road pavements &National Highway Authority of India (NHAI) road constructions placing soils, Granite slurry can be utilized as low cost binder for non-load bearing structures as per Public Work Department (PWD). It can be also utilized in brick manufacturing, in artifacts manufacturing, as a coarse aggregate in concrete for the civil constructions and building materials

- 4. The inorganic & non-hazardous Granite slurry can be utilized in above activities after been examined in detail in consultation with the various organization/reputed institutes/industries like Cement manufacturer, NCBM, CRRI, CDOS etc. for evaluating most techno-economical & viable solution/option of slurry disposal.
- The broken Marble slabs from the cutting process shall be collected, stored and utilized by the Marble chip & tiling units.
- 6. Granite association shall engage any reputed institutions such as IITs, NITs, etc. to explore the possibility of utilizing the Granite slurry and device an action plan.
- 7. Granite association shall educate and create awareness in public to utilize Granite/Marble waste for filling the low lying areas duly covering with soil to avoid spreading in the surroundings and the units should not dump the waste along the road side as well in agricultural fields un-authorizedly.

Signatures of the Committee Members:

HVJA

Sri. H.V. Jayaram, Revenue Divisional Officer, Tekkali Division, Srikakulam District.

Roenino

Smt. Poornima B.M, Scientist-D, Central Pollution Control Board, Regional Directorate, Chennai.

5.8 unearth

Sri. S. Shankar Naik,Environmental Engineer,A.P Pollution Control Board,Regional Office, Srikakulam.

GUR.Koures

Sri. D.V.R. Kumar, Assistant Director, Mines & Geology Department, Tekkali, Srikakulam.

Photos of Joint Committee inspection on Granite Cutting and Polishing units:



Inspection of Joint Committee



Dumping of granite waste / sludge along the
approach roadUtilizing sludge besides the NH-16 for filling
of low laying area



Sludge dumped within the units

Report of the Joint Committee in the matter of OA No. 164/2022 (PB)



Annexure-I

Item No. 03

(Court No. 1)

BEFORE THE NATIONAL GREEN TRIBUNAL PRINCIPAL BENCH, NEW DELHI

(By Video Conferencing)

Original Application No.164/2022

S. Srinivas Rao & Ors.

Applicant(s)

Respondent

Versus

State of Andhra Pradesh

Date of hearing: 05.04.2022

CORAM: HON'BLE MR. JUSTICE ADARSH KUMAR GOEL, CHAIRPERSON HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER HON'BLE MS. JUSTICE PUSHPA SATHYANARAYANA, JUDICIAL MEMBER HON'BLE PROF. A. SENTHIL VEL, EXPERT MEMBER

Application is registered based on a complaint received by post

ORDER

1. Grievance in this application is against unscientific dumping of marble slurry on agricultural land near Harischandrapuram railway station, Kotabommali Mandal, Srikakulam District, Andhra Pradesh, adversely affecting the environment and public health. Marble slurry in question is generated from the Marble Polish units located at Nimmada, Peddabammidi and Yetturallapdu, in violation of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986. 700 stone cutting and polishing units were located in Tandur which have now been shifted to the industrial area. Adverse impact of dumping of marble slurry is air pollution affecting the public health as well as the agricultural land in the area due to increased salinity of soil,

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micronutrient deficiency and reduced percolation of water. Fine particles of slurry settle on the crops and degrade the quality of resources. Water quality of irrigation canal gets deteriorated which in turn adversely affect the eco-system.

- 2. Suggestions given in the application are:-
 - "1) Marble Slurry dumping site may be located within the existing marble processing premises or it may be located at isolated locations preferably 01 KM away from any notified habitat area human habitation at suitable location as approved by the SPCB/PCC and shall be provided with proper approach roads for safe transportation of marble slurry.
 - 2) The marble slurry dumping site shall not be located on the 100-year flood plain where it will restrict the flow and marble slurry dumping site should be located at least at a distance of 1000 meters away from any natural or artificial water bodies.
 - 3) The existing marble dumping site should take adequate measures such that the runoff from the marble slurry dumping site should not be allowed to go into the surface water or any natural or artificial water bodies. SPCB/PCC should monitor the adequate measures made at old dumping sites.
 - 4) The dumping site shall be designed, constructed, operated and maintained at least for a period of 15 years. The base & side of dumping site should be of 01 meter or thicker with compacted clay lining having hydraulic conductivity, to eliminate any seepage. The dumping site should also provide proper water decanting system like decanting well or network of perforated PVC pipes at the bottom of site for collection of slurry water."

 Having regard to the averments in the application, we consider it necessary to require verification of factual position and remedial action by statutory authorities.

4. Accordingly we constitute a joint Committee comprising CPCB, State PCB and District Magistrate, Srikakulam to undertake visit to the site, interact with the stakeholders and prepare an action plan. State PCB will be the nodal agency for coordination and compliance. The Committee may meet within two weeks, undertake visit to the site and interact with the stakeholders. The Committee may ascertain the present consent practices of slurry disposal at notified sites as per Air and Water Acts, prescribed consent conditions for slurry generating industries for slurry utilisation and preventing damage to the environment, including agriculture and remediation of existing site(s).

5. Based on facts found, the statutory regulators may take remedial action as per law. An action taken report may be furnished to this Tribunal within two months 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.

List for further consideration on 20.07.2022.

A copy of this order along with the copy of complaint be forwarded to CPCB, State PCB and District Magistrate, Srikakulam by e-mail for compliance.

Adarsh Kumar Goel, CP

Sudhir Agarwal, JM

Pushpa Sathyanarayana, JM

Prof. A. Senthil Vel, EM

April 05, 2022 Original Application No.164/2022 SN

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Annexure-II



ANDHRA PRADESH POLLUTION CONTROL BOARD REGIONAL OFFICE, SRIKAKULAM

Plot No.32, D. No. 16-13-25, 2nd Cross Road, Purushotham Nagar Colony, Gujarathipeta Village, Srikakulam - 532005.

> Tel Ph. No: 08942-271291, Email : roskm-ee1@appcb.gov.in

Order No. S-51/Ack./APPCB/RO-SKLM/2019-

Date : 14.11.2019

ACKNOWLEDGEMENT

(For SSI Units other than 66 categories only)

(See Rule No. 32-A of the water (Prevention and Control Pollution) Rules 1994 and Rules No. 29-A of the Air (Prevention and Control Pollution) Rules 1994.)

The Consent application submitted by M/s. Pankaj Granite to operate their unit at R. Sy. No. R. Sy. Nos. 268/5A, 5B, 271/P & 273/1A (P), Narsingupalli (V), Vandrada Panchayath, Kotabommali (M), Srikakulam District to produce Granite Cutting and Polishing – 2,50,000 sft/annum is hereby acknowledged as the unit is not covered under schedule No. IV & II of above said Rules. This acknowledgment is treated as consent of Andhra Pradesh State Pollution Control Board, subject to the following conditions.

- In case of any further expansion or change in manufacturing process, raw material or products, a fresh application shall be submitted.
- 2. All the rules notified by the state and Central Government under Environmental laws from time to time, which are applicable to this unit shall be complied with.
- The industry shall comply with general conditions notified by the Ministry of Environment and Forest, Government in India vide extra ordinary Gazetted notified No. 174, dated 19th May 1993 as amended from time to time.
- 4. The industries shall not be located in residential areas as per G.O.Ms.No. 63, dt 02.05.1995 issued by industries & Commerce (SSI) Dept., Govt., of A.P.
- The unit should not be established close to sensitive areas such as Hospitals, Monuments, Schools, Zoological parks, etc.,
- 6. The industry shall collect solid waste i.e., sludge and cutting edges properly and it shall be disposed in the dump yard earmarked within the premises, under any circumstances it should not be disposed in any unauthorized areas.
- 7. The industry shall not discharge any waste water outside the factory premises.
- The officials of Andhra Pradesh State Pollution Control Board may inspect the unit at any time to verify the compliance status and may also stipulate such conditions as are deemed to be fit.

Date: 14.11.2019

Shankar Naik Sugali Digitally signed by Shankar Naik Sugali Date: 2019.11.14 18:01:50 +05'30'

ENVIRONMENTAL ENGINEER Regional Office, Srikakulam

To M/s. Pankaj Granite, R. Sy. Nos. 268/5A, 5B, 271/P & 273/1A (P), Narsingupalli (V), Vandrada Panchayath, Kotabommali (M), Srikakulam District Mobile: 9414586643 E-Mail: pankajgranites777@gmail.com

Annexure-III

The Hon'ble Chairman, A.P. Pollution Control Board, A.P.PCB, D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Center, Chalamalavari Street, Kasturibaipet, Vijayawada - 520010.



Sir,

Sub: Improper dumping of marble slurry was getting deposited in agricultural land and Beside National Highway-16 near Harischandrapuram railway station, Kotabommali Mandal, Srikakulam District - Causes adverse impact on Human health-Reduced porosity & permeability of the topsoil affects the soil fertilityviolation of certain provisions of the Air, Water and Environmental Acts- Request to take immediate remedial measures to reduce the Environmental pollution and other allied problems-Regarding.

Ref:

- 1) Article 21 of Indian Constitution
 - 2) Section 18 (1) (b) of Water Act 1974
 - Section 33(A) of Water (Prevention and Control of Pollution)Amendment Act-1988
 - Section 31(A) of Air (Prevention and Control of Pollution)Amendment Act-1987
 - 5) Environmental (protection) Act-1986
 - 6) The Solid Waste Management Act Rules-2016
 - 7) Various guidelines of the National Green tribunal
 - 8) Andhra Pradesh Water, Land and Trees Act, 2002

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With due respect, we submit the following few lines for your kind consideration and necessary action.

We are local residents of Harischandrapuram/ Yetturallapdu/ jagannadha puram Panchayat, Kotabommali Mandal, Srikakulam District. We use the service road adjacent to the National Highway for daily activities, this road is under NHAI control as part of the National Highway widening and is also the only one source to reach the nearest railway station (Harishchandrapuram). Adjacent to this road, Improper dumping of marble slurry was getting deposited (Survey No.11 of Harischandrapuram) from the Marble Polish Units (located at Nimmada, Peddabammidi and Yetturallapdu). It is being operated in violation of certain provisions of the Air, Water and Environmental Acts. It is noticed that, as per the directions of the TSPCB, recently the Telangana Government has moved around 700 stone cutting and polishing units located in Tandur to New industrial Park (Basheerabad).

Due to Improper dumping of marble slurry, the following adverse has impacts on local people, fertile land, water and Roads.

Impact on vehicular activities on National Highway and service road:

Deposition of Improper dumping of marble slurry on roads causes emission of particulate matter on the National Highway-16 and service road to Railway station, Harischandrapuram. Due to the winds blowing in this direction, the dust accumulates on the national highway remains the reasons for accidents occurred, this is lead to disruption to measure of supplementing the efforts of Central/State for minimizing the accident potential through engineering improvement. In this regard, we requested to the concerned authorities and have received no response.

Pl. INSPECTS SEPONT

Contd..,

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impact on near Agriculture lands:

This type of Improper dumping of marble slurry leads to Loss in fertility of soil and rapidly oxidized, excess of soil erosion and this is also increasing salinity of soil, affecting agricultural productivity and significant problem of micronutrient deficiency in the soil and reduced porosity & permeability of the topsoil affects the soil fertility and reduces the percolation rate of water results in reduced rate of ground water recharging. Fine particles of slurry on drying blew with wind & settle over epidermal layer of crops, as a consequence, the agricultural lands turning them into barren land and resulting in severe degradation in the quality of such resources. In this regard, we requested several times to the concerned revenue authorities and have n∋ceived no response.

Impact on local Human Health:

Continuous exposure of marble Page dust can cause severe respiratory disorders like bronchitis, asthma along with dermal & eye irritation in local travelers.

Impact on 10 Mtrs near Water canal

There is an irrigation canal adjoining this road. The dumping waste outfalls into this canal can deteriorate the water quality by increasing turbidity and the wastes typically change the acid level of surrounding water substantially and trash items are unsightly and are a sign of human neglect or disregard for aesthetic values and natural ecosystems. The law uses a variety of tools to limit and control direct pollutant discharges into waterways. In this regard, we requested several times to the concerned revenue authorities to control the dumping of huge amount of marble slurry immediately and have received no response.

Waste is being dumped illegally in this land (Survey No.11 of Harischandrapuram) without converting land Agriculture to Non-Agriculture. It is submitted that, the following guidelines issued by the CPCB/NGT to dumping of marble slurry.

- Marble slurry dumping site may be located within the existing marble processing premises or it may be located at isolated locations preferably 01 KM away from any notified habitat area human habitation at suitable location as approved by the SPCB/PCC and shall be provided with proper approach roads for safe transportation of marble slurry.
- 2) The marble slurry dumping site shall not be located on the 100-year flood plain where it will restrict the flow and Marble slurry dumping site should be located at least at a distance of 1000 meters away from any natural or artificial water bodies
- 3) The existing marble dumping site should take adequate measures such that the runoff from the marble slurry dumping site should not be allowed to go into the surface water or any natural or artificial water bodies. SPCB/PCC should monitor the adequate measures made at old dumping sites.
- 4) The dumping site shall be designed, constructed, operated & maintained at least for a period of 15 years. The base & side of dumping site should be of 01 meter or thicker with compacted clay lining having hydraulic conductivity, to eliminate any seepage. The dumping site should also provide proper water decanting system like decanting well or network of perforated PVC pipes at the bottom of site for collection of slurry water.

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Report of the Joint Committee in the matter of OA No. 164/2022 (PB)



Annexure-IV



ANDHRA PRADESH POLLUTION CONTROL BOARD REGIONAL OFFICE, SRIKAKULAM Plot No.32, D. No. 16-13-25, 2nd Cross Road, Purushotham Nagar Colony, Gujarathipeta Village, Srikakulam - 532005. Tel Ph. No: 08942-295090, Email: <u>roskm-cel@appcb.gov.in</u>

Notice.No.244/APPCB/RO-SKLM/Comp/2022-

Date: 18.01.2022.

NOTICE

- Sub: APPCB RO · SKLM Complaint received against Granite Cutting and Polishing units - Regarding improper handling/dumping of marble slurry on either sides of NH-16 and other Village Roads - Causing nuisance – Notice – Issued – Reg.
- Ref: 1. Adverse Media Report Received through Spandan grievance cell on 09.11.2021.
 - 2. Lr.No.75/PCB/RO-SKLM/Comp/2021-195, dt.10.11.2021.
 - Compliant received from Sri S.Srinivasulu, Advocate and other residence of Harischandrapuram, Srikakulam District on 27.12.2021 and the same received through CPCB/IPC-V/Compliant/Marble/2021-1334, dt.29.12.2021 through email on 17.01.2022.
 - 4. Board Officials inspected the unit on 24.12.2021.

WHEREAS you are operating Granite Cutting & polishing unit to produce granite slabs.

WHEREAS, the Board issued Acknowledgment/consent to the unit duly stipulating a condition that "the industry shall collect solid waste i.e., sludge and cutting edges properly and it shall be disposed in the dunp yard earmarked within the premises under any circumstances it should not be disposed in any unauthorized areas".

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WHEREAS vide reference 1^a cited, the Board was in receipt of complaint through Spandana cell (AMS) which was published in Sakshi daily regarding disposal of sludge/ cutting waste generated from Granite cutting & Polishing units along either sides of Village Roads and thereby causing dust nuisance to the road users.

WHEREAS vide reference 2nd cited, the Board issued notice to the Association President, Granite cutting & polishing units association, Srikakulam District and instructed to inform all the granite cutting and polishing units located in and around of Nimmada (V) and take immediate action for lifting the sludge/ cutting edges disposed along either side of the road, failing which appropriate action will be initiated. But no reply received from the association president.

WHEREAS vide reference 3rd cited, the Board is again receipt of compliant filed by Sri S.Srinivasulu, Advocate and represented regarding improper dumping of marble slurry on either sides of National Highway-16, near Harischandrapuram railway station and on either side of village roads of Nimmada, Peddabammidi, Yetturallapadu etc.. it was also represented that the disposal of slurry is impacting on agricultural lands and local human health and requested to remove the improper dumping of marble slurry and to take immediate remedial measures to reduce the pollution problems in the area.

WHEREAS vide reference 4th cited, the Board officials inspected granite cutting and polishing units located at Nimmada, Peddabammidi, Duppalapadu, etc., on 24.12.2021. During the inquiry it was informed that you are handing over the sludge to local tractors/trucks for disposal. It was also informed that you are not aware regarding it has been dumped.

WHEREAS during the inspection the Board Officials identified that most of the sludge has been dumped on either side of the village roads of Nimmada, Peddabammidi, Harischandrapuram and along the NH-16 indiscriminately, which is causing nuisance to the road users and also looks awkward. The fine dust generated from the heaps may also cause inconvenience to the public during movement/in portation, which is against the condition stipulated by the Board. The owner of the unit is responsible to inandle/disposal of sterry.

Hence, you are directed to why action should not be initiated against your whit under section 33(A) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and Section 31 (A) of Air (Prevention and Control of Pollution) Amendment Act, 1987, for disposal of slurry/sludge indiscriminately and causing dust nuisance. Your reply should reach this Office within 15days from the date of receipt of this notice otherwise action shall be initiated against your industry which includes disconnection of power supply and water supply and closure of your industry or Prosecution may initiated without further notice in the interest of public health and environment.

Sugali Digitaliy signed by Sugali Shankar Naik Shankar Naik Date: 2022.01.18 12:27:34 +05300 ENVIRONMENTAL ENGINEER

To,

All Granite Cutting and Polishing units, Srikakulam District.

Copy to submit to

- The District Collector & Magistrate, Srikakulam District for kind information and necessary action.
- The Joint Chief Environmental Engineer (Unit-II), A.P. Pollution Control Board, Board Office, Vijayawada for kind information.
- The Joint Chief Environmental Engineer, A.P. Pollution Control Board, Zonal Office, Visakhapatnam for kind information.
- Sri S. Srinivasulu, Advocate, Harischandrapuram, Kotabommali (M), Srikakulam District for information.

Attendance of the Officials and Granite Cutting and polishing association members

Attendance for Joint inspection scheduled to be held ou 18.05,2022 at 4:00 P.M in connection with the O.A no.164 of 2022 submitted to the Hoa'ble National Green Tribunal, Principal Bench, New Delhi in the matters of unscientific dumping of marble slurry on agricultural land, near Harischandrapuram Railway Station Kotabommali Mandal, (M), Srikakulam District. The following officers were present during the meeting:

S.No.	Name of the Officer & address	Signature
1.	The Revenue Divisional Officer, Tekkali Division, Srikakulam District.	HVJ-618/5,
2.	Smt. Poornima B M, Scientist D, Central Pollution Control Board, Regional Directorate (Chennai), Tamil Nadu -600058.	- Bry 1 BS 22
3.	The Environmental Engineer, A.P.Pollution Control Board, Regional Office, Srikakulam	81-4-V 15(5(2)
4.	The Assistant Director Mines & Geology, Tekkali, Srikakulam District.	UVR. KULLO2 18/5/22
5.	TAHSILDAR KOTABOMMALI(M) -	t. Cay daange 18/55/22
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Attendance of meeting with all the Granite Cutting & Polishing units scheduled to be held on 18.05.2022 at 4:00P.M in connection with the O.A no.164 of 2022 submitted to the Hon'ble National Green Tribunal, Principal Bench, New Delhi in the matters of unscientific dumping of marble slurry on agricultural land, near Harischandrapuram Railway Station Kotabommali Mandal, (M), Srikakulam District.

S.No.	Name of the industry	Name of the representative
1.	Lakshmi Gibanibes	k
2.	R.M. Exlostes	Jaloub
3.	ERH braniber	Julderb
4.	Abhippiya GRAMiles	Diversion
5.	Maruti Nonton Stund	Annel
6.	Shree Rocks	Tan Naresh
7.	GSI	pr.
8.	U. Imrudia avenit	Bit
9.	MAA ESWARD GRANITE	Dil
10.	MAA ANDERDWALT	P RI.
11.	Rhavani granite calorts	D. linn the
12.	Easterniang granice PUTLD	S. Let
13,	King Inquites	Zitz
14.	Jui Jeen mode Groonite	Romniadas.
15.	Tirupathi Grande	Rof
16.	Siyatam Granite	Aakerh
17.	Panhas brans	Badierhun
18.	& NEO EXOTIC GRANIFTELLP	Jamadon.

Report of the Joint Committee in the matter of OA No. 164/2022 (PB)

19. Gul Tisumela Granita 20. R.D. Goranamites 21. Shree Shiva Grante 22. Mahader Grante SSHM 23. Tyoohi Grander 24. Roel25 SmB 25. Salas r Cremite Reper 26. Shyan Minning & Gravity 27. Tauren mes Ciampoti Cistamite 28. 20·AP Salaser Bafy; Granites 10lh 29. GPS Grades LLP Sickham 30. Star Committees AG VEDANI CIRPLINES 31 32. Sanjay Rocks. anish Vitory Graniles 33. bene 34. Fivestor Granite 35. Shiva Granite Charbhya Granila 36 37. Axis Giranik thry 38. Spm Granites 39. Sri Sai KLR UNanity 40 Grancy Granibes 11 Abharla Grantos GTOPALA COTATIONES 42) (43) SHRI RAM WRANITES JOAN RANA GRANETES 44 Satur 12