

BEFORE THE NATIONAL GREEN TRIBUNAL,

PRINCIPAL BENCH, NEW DELHI

Original Application No. 519/ 2019

WITH

Original Application No. 386/ 2019

News item published in "The Times of India" Authored by

Jasjeev Gandhiok & Paras Singh

Titled

"Below Mountains of trash lie poison lakes'

WITH

Centre for Wildlife & Environment Litigation ...Applicant(s)

Versus

Union of India and Ors.

...Respondent(s)

STATUS REPORT REGARDING BIO-MINING/REMEDICATION OF LEGACY WASTE AT SANITARY LANDFILL OKHLA (DUMP SITE) IN SOUTH DELHI MUNICIPAL CORPORATION (SDMC) IN RESPONSE TO THE THIS HON'BLE COURT ORDERS DATED 17.7.2019, 19.11.2019 AND 16.3.2020.

1. In compliance of the aforesaid orders of Hon'ble NGT, SDMC has started bio-mining/remediation of legacy waste at SLF Okhla (dumpsite) w.e.f. Oct 2019.
2. There exists about 55 lakh MT of legacy waste dumped at SLF Okhla (dumpsite) in South Delhi Municipal Corporation (SDMC).

3. At present 12 nos. of trommels are operational at the site. Out of these 08 nos. of trommels are installed in four sets of trommel (i.e. four sets of 30 mm & 6mm sieve size each) and 4 nos. of trommels of 30 mm sieve size. Total processing capacity of these trommels is 2400 TPD.

4. About 3.10 lac MT of legacy waste at okhla landfill site has been processed. Approx. 25000 sq mtrs. of the area has been cleared by processing the legacy waste. The height of mound in this area has been reduced by 10-15 mtrs.

5. About 1.5 lac MT of the inert material generated has been disposed off at NTPC Eco Park, Tajpur/Jaitpur pits and used for covering of fresh Solid Waste, stabilizing of slopes/steps and making of internal Kachha roads at SLF site for movement of refuse removal vehicles and construction of platforms for installation of Trommel machines at SLF Okhla. Approx. 3500 MT of RDF has been transported at Waste to Energy Plant Okhla for incineration and Central India EPR Corporation (CIEC) Nagpur Maharashtra is transporting plastic waste for recycling/processing.

6. At present the processed material after bio-mining/remediation is being disposed off at the following locations:-

- a. Bio-soil/compost (less than 6 mm size) - At NTPC Eco park Badarpur
- b. 6 mm to 30 mm size (Inert) and C&D waste – At low lying areas of Jaitpur/Tajpur pits.

- c. RDF (Plastic, textile, etc) – At Waste to Energy plant Okhla.
 - d. C&D waste & inerts– Making of kachha approach roads at SLF Okhla for movement of refuse removal vehicles and covering of fresh waste in layers.
7. Action plan for bio-mining/remediation of legacy waste at SLF Okhla (dumpsite), SDMC is enclosed herewith as Annexure 'A'.
8. As per aforesaid action plan the bio-mining of legacy waste at SLF Okhla is likely to be completed as under:-
- I. The bio-mining of the 25% of the total quantity is expected to be completed upto October 2021.
 - II. The bio-mining of the 50% of the total quantity is expected to be completed upto April 2022.
 - III. The bio-mining of 100% of the total quantity 55 lac MT is expected to be completed upto March 2023.
9. An agreement has been signed between SDMC and Indian Oil Corporation limited (IOCL) for setting up of Waste to Energy Plant at Okhla having capacity of 50 MTD of Refuse Derived Fuel (RDF) after bio-mining/remediation of legacy waste. One acre land has been handed over to IOCL at Tehkhand near SLF Okhla and the work of setting up of plant is under process.
10. SDMC is also exploring the feasibility of utilizing Soil Compost/Inert in the UER-II project of NHAI for which modalities are being worked out. Various request letters have been sent to NHAI for this purpose vide no 861/Dir/DEMS/SDMC/2020-21

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dated 24.11.2020 and D. O. No. 017/COM/SDMC/2021 dated 15.01.2021.

11. Due to lockdown on account of COVID-19 Pandemic, SDMC had scarcity of manpower and machines at SLF Okhla. This resulted into loss of precious time in improving the performance. However, SDMC is trying its level best to improve progress of the work of bio-mining of legacy waste. Collective and efficient efforts are being made for disposal of inerts, RDF and C&D waste generated through bio-mining process.

Ex. Engineer
SLF, SDMC

ANNEXURE 'A'
ACTION PLAN FOR BIO-MINING/REMEDICATION OF LEGACY WASTE AT SLF OKHLA
(DUMPSITE) FOR SDMC.

South Delhi Municipal Corporation is maintaining a Sanitary land Fill (SLF) at Maa Anand Mai Marg, Okhla. This SLF site is spread in about 46 acres of land. About 1800 MT of fresh MSW is received daily. The total accumulated legacy waste at SLF Okhla dumpsite is about 55 lakh MT. Till now about 3.10 lac MT of legacy waste has been processed. Approx 25000 sq mtr. of the area has been cleared by processing the legacy waste. The height of the dump at various places has been reduced by 10-15 mtr (avg).

Considering the gravity of Hon'ble NGT matter, the issue is being reviewed on monthly basis by Chief Secretary, GNCTD. During the review meeting held on 9.12.2020 chaired by Addl. Chief Secretary it was directed to modify the time line for 100% bio-remediation, so as to achieve the target in the shortest possible period as per the directions of NGT. Accordingly, the action plan has been revisited and the modified plan with squeezed timeline is as under:-

Sr. No.	Total no. of trommels	Month	Daily processing capacity (per day)	Commutative quantity of processed of Legacy Waste (in MT)	Balance Qty of legacy waste (in MT)	Percentage progress
1	10	30.11.2020	1800	250000	52,50,000	
2	12	31.12.2020	2100	3,00,000	52,50,000	
3	14	31.01.2021	2700	3,58,000	51,42,000	
4	16	28.02.2021	3000	4,33,000	50,67,000	
5	18	31.03.2021	3600	5,17,000	49,83,000	10%
6	20	30.04.2021	3900	6,17,000	48,83,000	
7	22	31.05.2021	4500	7,26,000	47,74,000	
8	24	30.06.2021	4800	8,52,000	46,48,000	
9	26	31.07.2021	5100	9,86,000	45,14,000	
10	28	31.08.2021	5400	11,28,000	43,72,000	
11	30	30.09.2021	6000	12,79,000	42,21,000	
12	32	31.10.2021	6300	14,47,000	40,53,000	25%
13	34	30.11.2021	6900	16,23,000	38,77,000	
14	36	31.12.2021	7200	18,16,000	36,84,000	
15	38	31.01.2022	7800	20,16,000	34,84,000	
16	40	28.02.2022	8100	22,34,000	32,66,000	
17	42	31.03.2022	8700	24,60,800	30,39,200	
18	44	30.04.2022	9000	27,04,400	27,95,600	50%
19	46	31.05.2022	9600	29,56,400	25,43,600	
20	46	30.06.2022	9600	32,25,200	22,74,800	
21	46	31.07.2022	9600	34,94,000	20,06,000	
22	46	31.08.2022	9600	37,62,800	17,37,200	
23	46	30.09.2022	9600	40,31,600	14,68,400	75%
24	46	31.10.2022	9600	43,00,400	11,99,600	
25	46	30.11.2022	9600	45,69,200	9,30,800	
26	46	31.12.2022	9600	48,38,000	6,62,000	
27	46	31.01.2023	9600	51,06,800	3,93,200	
28	46	28.02.2023	9600	53,75,600	1,24,400	
29	46	31.03.2023	9600	56,44,400	NIL	100%

Remarks: (i) The trommels are being installed in sets of 60 mm + 30 mm sieve size in alignment and trommels of 30 mm sieve size independently to comply with the CPCB guidelines.
(ii) The above calculation are based on assuming 28 working days per month.
(iii) Monsoon period and winter season reduces the efficiency of processing of legacy waste.

Note:-

1. The remediation of the 25% of the total quantity is expected upto October 2021.
2. The remediation of the 50% of the total quantity is expected upto April 2022.
3. As such the total quantity of legacy waste which can be processed as per the above action plan till March 2023 is expected to be 55 lac MT.

Status report regarding bio-mining of legacy waste at Okhla dumpsite as on 25.01.2021

S. No.	Name of Dumpsite	Total Quantity of Legacy Waste existing prior to bio-mining in MT	No. of Operational Trommels	Total Quantity Processed (in MT)	Total qty of inerts disposed in MT	Total qty of incinerable material disposed in MT	Space cleared
1	South Delhi Municipal Corporation	55	Total 12 nos. trommels are operational. (a). 8 nos. trommels i.e (Four sets of 30 mm and 6 mm sieve size each). (b) 4 nos. of trommels of 30mm sieve size. (c) Total current processing capacity is 2400 TPD.	3.10 lac	Disposal of the inert material is being done at following locations. A. Eco Park, NTPC B. SLF Jaitpur/Tajpur C. At low lying area of Badarpur. D. At SLF Okhla for covering of fresh MSW and construction of slopes/ platforms/ internal Kachha roads. So far, 1.5 lac MT of the inert material generated has been disposed off at the above mentioned locations.	3500 A. Disposed off at Waste to Energy Plant Okhla. B. EPR corporation.	Approx. 25000 sq mtrs. of the area has been cleared by processing the legacy waste. The height of mound in this area has been reduced by 10-15 mtrs.