

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

JasjeevGandhiok&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)

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Filed through

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PRESENT 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 existed about 55 lakh MT of legacy waste dumped at SLF Okhla (dumpsite) in South Delhi Municipal Corporation (SDMC).

3. At present 10 nos. of trommels are operational at the site. Out of these 8 nos. of trommels are installed in four sets of 30mm & 6mm sieve size each and 2 nos. of trommels of 30mm sieve size. Total processing capacity of these trommels is 1800 TPD. One more trommel of 30mm sieve size will be installed in next fifteen days which will enhance the processing capacity upto 2100 TPD.
4. About 2.50 lac MT of legacy waste at okhla landfill site has been processed. Approx.21000 sqmtrs. 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 75000 MT of the inert material generated has been disposed off at Eco Park, NTPC, Tajpur 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 2500 MT of RDF has been disposed off at Waste to Energy Plant Okhla for incineration.
6. Action plan for bio-mining of legacy waste and transportation of inerts to Eco park, NTPC, Badarpur, Jaitpur/Tajpur pits and Horticulture park of SDMC is enclosed herewith as Annexure 'A'.

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

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

So far approx. 75,000 MT of processed material has been disposed off. The disposal of processed material is being done through departmental trucks.

8. Presently, the disposal of the processed material is being carried through 20 nos. of departmental trucks and 15 nos of additional trucks engaged on hiring basis. The transportation capacity for the disposal of material is about 25000 MT per month i.e. about 3 Lac MT per year at present. However, the same shall be increased in future depending upon the increase in the number of trommel machines at the site.

9. For utilization/processing of the Plastic waste, we have already issued LOI to Central India EPR Corporation (CIEC) Nagpur Maharashtra vide letter no. D-802/Dir/ (DEMS)/SDMC dated 20.3.2020 and the agency has started transporting of the plastic waste from the Okhla site for recycling/processing. A case for similar approval to M/s Shakti Foundation is under award.

10. Two samples of Bio-earth/inert (less than 6 mm) generated from the bio-remediation process were got tested from Shriram Institute for industrial research to explore the feasibility of this being used for filling/Horticulture/agricultural purposes. As per the

test reports the material was found satisfactory i.e. within the permissible limits.

11. A public notice was also issued on 5.9.2020 in leading newspapers for auction of (No.1 Soil/Compost and No.2 Refuse derived Fuel (RDF)/Plastic waste generated out of the bio-remediation process of the legacy waste. However, no response was received in this regard.

12. Agreement signed between SDMC and Indian Oil Corporation limited (IOCL) for setting up of Waste to energy Plant at Okhla for generation of electricity by utilizing the RDF generated through bio-mining/remediation. Work at the site to be started shortly by IOCL.

13. 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. A letter has been sent to NHAI for this purpose vide No. 861/Dir/DEMS/SDMC/2020-21 dated 24.11.2020

14. 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

ACTION PLAN FOR REMEDIATION OF OKHLA DUMPSITE.

In the matter of 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 Versus Union of India and Ors (OA No.519/2019 with 386/2019).

1. There existed about 55 lakh MT of legacy waste at SLF (dumpsite) in South Delhi Municipal Corporation (SDMC).
2. Till now about 2.50 lac MT of legacy waste has been processed. Approx 21000 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.
3. At present 10 nos. of trommels i.e. (four sets of 30 mm and 6 mm sieve size each) are two trommels of 30 mm sieve size are operational. Two trommels of 30 mm sieve size each are to be installed by 31.12.2020. Further, the no. of trommels shall be increased in a phased manner as below:-

Sr. No.	Description	Total no. of trommels	Date	Output	Cumulative processing capacity	Legacy Waste Processed (MT) Assuming 28 working days in a month
1	a) Four sets of trommels (6mm sieve size trommel + 30mm sieve size trommel) b) Two sets of 30 mm sieve size trommels	10	30.11.2020	1800 MT	1800	250000
2	One set of 6 mm + 30 mm sieve size trommel	12	31.12.2020	300 MT	2100	250000+ (1800 x 28) = 3,00,000
3	Two trommels - 30mm sieve size each	14	31.01.2021	600 MT	2700	300000+ (2100 x 28) =3,58,000
4	One set of 6 mm + 30 mm sieve size trommel	16	28.02.2021	300 MT	3000	358000+ (2700 x 28) =4,33,000
5	Two trommels - 30mm sieve size each	18	31.03.2021	600 MT	3600	433000+ (3000 x 28) =5,17,000
6	One set of 6 mm + 30 mm sieve size trommel	18	30.04.2021	300 MT	3900	517000+(3600 x 28) =6,17,000 Total-6,17,000

At present SDMC has disposal capacity of around 6 lac MT only (4 lac at low lying area of Jaitpur and 2 lac MT at NTPC Eco Park.) Repeated requests have been made to DDA for allotment of land for this purpose the land requirement for disposal is around 80 acres (taking average depth of 10 mtrs.) As such subsequent action plan will depend on the availability of land for disposal of processed material after bio-mining/remediation.

7	Two trommels - 30mm sieve size each	20	31.05.2021	600 MT	4500	$617000+(3900 \times 28)$ = 7,26,000
8	One set of 6 mm + 30 mm sieve size trommel	22	30.6.2021	300 MT	4800	$726000+(4500 \times 28)$ =8,52,000
9	Two trommels - 30mm sieve size each	24	31.7.2021	600 MT	5100	$852000+(4800 \times 28)$ =9,86,000
10	One set of 6 mm + 30 mm sieve size trommel	26	31.8.2021	300 MT	5400	$986000+(5100 \times 28)$ =11,28,000
11	Two trommels - 30mm sieve size each	28	30.9.2021	600 MT	6000	$1128000+(5400 \times 28)$ =12,79,000
12	One set of 6 mm + 30 mm sieve size trommel	30	31.8.2021	300 MT	6300	$1279000+(6000 \times 28)$ =14,47,000
13	Two trommels - 30mm sieve size each	32	30.9.2021	600 MT	6900	$1447000+(6300 \times 28)$ =16,23,000
14	One set of 6 mm + 30 mm sieve size trommel	34	31.10.2021	300 MT	7200	$1623000+(6900 \times 28)$ =18,16,000
15	Two trommels - 30mm sieve size each	36	30.11.2021	600 MT	7800	$1816000+(7200 \times 28)$ =20,16,000
16	One set of 6 mm + 30 mm sieve size trommel	38	31.12.2021	300 MT	8100	$2016000+(7800 \times 28)$ =22,34,000
Total						22,34,000 MT

Note:-

1. Assuming the low output during monsoon period and considering breakdown periods, the expected quantity of legacy waste processed till 31.12.2021 is likely to be about 80% of 22,34,000 MT i.e. 17,87,000 MT.
2. The quantity of legacy waste for the period January 2022 to December 2022 is expected to be 19, 00,000 MT.
3. The quantity of legacy waste for the period January 2023 to December 2023 is expected to be 19, 00,000 MT.
4. As such the total quantity of legacy waste which can be processed as per the above action plan till December 2023 is expected to be 55 lac MT.


 Ex. Engineer (SLF)