

Remediation of Legacy Waste (Old MSW)

There are 3 Dumpsites at Ghazipur, Bhalaswa and Okhla in Delhi where Municipal Solid Waste have been dumped and there is legacy waste of 28 Million Tons. Brief about these dumpsites is given in following Table :

Brief of Landfill / Dump Sites in NCT of Delhi

| S. No. | Name of Landfill / Dump Site | Location | Area (in Acres) | Concerned Local Body | Height of Dump Site (Appx.) (in Meters) | Legacy Waste (in Million Tons) |
|--------|------------------------------|------------------|-----------------|----------------------|---|--------------------------------|
| 1 | Bhalaswa | North Delhi | 36 | North DMC | 62 | 8 |
| 2 | Ghazipur | East Delhi | 70 | EDMC | 65 | 14 |
| 3 | Okhla | South East Delhi | 46 | SDMC | 40 | 6 |
| | Total | | 152 | | | 28 |

Hon'ble National Green Tribunal vide order dated 17.07.2019 in OA No. 519 / 2019 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" and OA No. 386/2019 in the matter of "Centre for Wildlife and Environment Litigation" Vs Union of India &Ors." has passed detailed order regarding Disposal of 'Legacy' Waste dumped at Bhalswa, Ghazipur and Okhla Dumpsites and given various directions.

Hon'ble NGT has directed the Municipal Corporations to go for bio mining using trommels instead of capping of the dump sites at Bhalswa, Ghazipur and Okhla.

The estimated cost to clear the above three dump sites at Delhi may be approx. Rs. 250 Crores as given below :

- i. EDMC - Rs. 125 Crores
- ii. North MCD - Rs. 75 Crores
- iii. SDMC - Rs. 50 Crores

As per the directions of the Hon'ble Tribunal the contributions towards said amount of Rs. 250 Crores in three separate ESCROW accounts will be as follows :

| | | | |
|-----|-----------|---------------------------------------|--|
| i | EDMC | NCT Delhi EDMC NDMC* DCB** | Rs. 65 Crore Rs. 40 Crore Rs. 10 Crore Rs. 10 Crore |
| ii | North MCD | NCT Delhi North MCD NDMC DCB | Rs. 35 Crore Rs. 30 Crore Rs. 05 Crore Rs. 05 Crore |
| iii | SDMC | NCT Delhi SDMC NDMC DCB | Rs. 25 Crore Rs. 15 Crore Rs. 05 Crore Rs. 05 Crore |

As per the said order legacy waste dumpsites is to be cleared within one year and substantial progress must be made and demonstrated within six months.

As directed by the Hon'ble NGT, the Committee headed by Chief Secretary, Govt. of NCT of Delhi has been constituted vide order dated 25.07.2019. The ESCROW accounts for North DMC, East DMC and South DMC have been opened. Regular meetings of the Committee headed by Chief Secretary are held to review the progress in the said matter.

Out of Rs. 250 Crores, an amount of Rs. 245 Crores have been contributed by the DPCC, DMCs, DCB & NDMC. DCB has deposited only 15 Crores (out of Rs. 20 Crores) and filed an application before the Hon'ble Supreme Court for exemption of Rs. 5 Crores to be deposited to North DMC, because DCB is not dumping its MSW at Bhalswa landfill site. Chief Secretary in the meeting held on 20.12.2019 has decided that DCB has to deposit Rs. 5 Crore.

The Committee has already prepared the plan under which the legacy waste dumped at the 3 locations is being treated by way of "Bio-mining" utilizing high capacity Trommel machines. North DMC has been appointed as Nodal Corporation among all the three Municipal Corporations for tendering process for hiring trommels for bio mining and bio remediation of old dump waste on rental basis. Tenders were called on 30.8.2019. The rates of lowest tender were Rs. 629944/- per month per trommel as per requirement of tender documents. Panel of 9 Contractors was approved by the competent authority.

The implementation of the project has been started w.e.f. 01.10.2019 & 19 Trommels have already been installed and about 8 Lakh MT of legacy waste has been processed. Inert material generated during the process is about 60% to 70% by weight or 40% by volume of the waste being processed, which needs to be disposed of in a scientific manner. It is a major challenge before the municipal corporations to make suitable land available for disposal of this inert material particularly since the availability of land is extremely scarce in Delhi.

SDMC on behalf of all the three DMCs has moved an application to Forest Department for procurement of space in four empty pits of Bhatti mines for temporarily dumping inert materials generated due to bio-mining. The details of processing of legacy waste by each DMC is given in following Table :

Bio-Mining of Legacy Waste at 3 Dumpsites in Delhi (As on 14.07.2020)

| S. No. | Name of Local Body (Dumpsite) | No. of Trommels Installed | No. of Trommels Operational | No. of Trommels Proposed to be Installed | Total Processed Quantity of Legacy Waste(MT) | % of Inert Material by Wight |
|--------|-------------------------------|---------------------------|-----------------------------|---|--|------------------------------|
| 1 | SDMC (Okhla Dumpsite) | 3 | 3 | 2 (by July, 2020) + Additional 3 / 4 later on | 1,00,000 | 60 -70% |
| 2 | EDMC (Ghazipur Dumpsite) | 6 | 6 | 6 (by July,2020) | 1,30,000 | 60-70% |
| 3 | North DMC (Bhalaswa Dumpsite) | 17 | 14 | 3 (Already installed will be started shortly) | 5,35,384 | 60-70% |
| | Total | 26 | 23 | 15 | 7,65,384 MT | |