

11/5/2016

**BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
Original Application No. 199 of 2014**

IN THE MATTER OF:

Almitra H. Patel & Anr.

Vs.

Union of India & Ors.

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1	Submission of Comments on a simple Mechanism can be followed which will involve depositing of Municipal Solid Waste at the dumping site in rows and then by turning it weekly i.e. four times in a month so as to stabilize the same on behalf of East Delhi Municipal Corporation (EDMC) in pursuance to the orders of this Hon'ble Court dated 29.03.2016.	

Filed through

(MR BALENDU SHEKHAR)

Advocate on behalf of East DMC

Delhi High Court, New Delhi

Dated 11 May, 2016

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IN THE MATTER OF:

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SUBMISSION OF COMMENTS ON A SIMPLE MECHANISM CAN BE FOLLOWED WHICH WILL INVOLVE DEPOSITING OF MUNICIPAL SOLID WASTE AT THE DUMPING SITE IN ROWS AND THEN BY TURNING IT WEEKLY I.E. FOUR TIMES IN A MONTH SO AS TO STABILIZE THE SAME ON BEHALF OF EAST DELHI MUNICIPAL CORPORATION (EDMC) IN PURSUANCE TO THE ORDERS OF THIS HON'BLE COURT DATED 29.3.2016.

I, Piar Singh and presently working as Executive Engineer, Sanitary Land Fill (SLF) Ghazipur, East Delhi Municipal Corporation, (EDMC) having its office adjacent to MC Primary School Lalita Park Near Laxmi Nagar Metro Station Delhi-92 hereinafter called deponent do hereby solemnly affirm and declare as under:-

1. That the deponent is presently working as Executive Engineer, Sanitary Land Fill site (SLF) Ghazipur, East Delhi Municipal Corporation, (EDMC) having its office adjacent to MC Primary School Lalita Park Near Laxmi Nagar Metro Station Delhi-92 and is well conversant with the facts of the present matter and also of the orders dated 29.03.2016 passed by this Hon'ble Court and as such competent to swear the present affidavit on behalf of East Delhi Municipal Corporation on the basis of records maintained and made available in this regard.

2. That in the aforesaid matter the Hon'ble court vide orders dated 29.03.2016 issued various directions, however following directions pertain to East Delhi Municipal Corporation which are as under:-

“All these matters relate to collection, transportation and dumping/dealing with the Municipal Solid Waste of permanent and temporary sites. Applicant in Original Application No. 199 of 2014, who appears in person, submits that even if no other steps are taken, the facts which accepted by Ministry of Environment & Forest, & CC show that nearly in 76% of the cities in the country Municipal Solid Waste are only dumped indiscriminatingly in violation of the Municipal Solid Waste Rules. She further submits that a simple mechanism can be followed which will involve depositing of Municipal Solid Waste at the dumping site in rows and then by turning it weekly i.e. four times in a month so as to stabilize the same.

We direct, the responsible officer of Ministry of Environment & Forest, & CC, all the States/State Pollution Control Boards to be present before the Tribunal, if they wish to make submissions before the Tribunal before finalizing the matters to be disposed of by the Tribunal.”

3. That as per Municipal Solid Waste (Management & Handling) Rules 2000. the norms for processing and disposal of Municipal Solid Waste (MSW) are as under:-

A. PROCESSING OF MUNICIPAL SOLID WASTES

Municipal authorities shall adopt suitable technology or combination of such technologies to make use of wastes so as to minimize burden on landfill. Following criteria shall be adopted, namely:-

The biodegradable wastes shall be processed by composting, vermicomposting, anaerobic digestion or any other appropriate biological

processing for stabilization of wastes. It shall be ensured that compost or any other end product shall comply with standards as specified in Schedule-IV;

Mixed waste containing recoverable resources shall follow the route of recycling. Incineration with or without energy recovery including pelletisation can also be used for processing wastes in specific cases. Municipal authority or the operator of a facility wishing to use other state-of-the-art technologies shall approach the Central Pollution Control Board to get the standards laid down before applying for grant of authorization.

B. DISPOSAL OF MUNICIPAL SOLID WASTES

Land filling shall be restricted to non-biodegradable, inert waste and other waste that are not suitable either for recycling or for biological processing. Land filling shall also be carried out for residues of waste processing facilities as well as pre-processing rejects from waste processing facilities. Land filling of mixed waste shall be avoided unless the same is found unsuitable for waste processing. Under unavoidable circumstances or till installation of alternate facilities, land-filling shall be done following proper norms. Landfill sites shall meet the specifications as given in Schedule –III.

Wastes subjected to land filling shall be compacted in thin layers using landfill compactors to achieve high density of the wastes. In high rainfall areas where heavy compactors cannot be used alternative measures shall be adopted.

Wastes shall be covered immediately or at the end of each working day with minimum 10 cm of soil, inert debris or construction material till such time waste processing facilities for composting or recycling or energy recovery are set up as per Schedule I.

4. COLLECTION OF MUNICIPAL SOLID WASTE/ GARBAGE IN EDMC.

That at present about 2200 M.T of MSW is collected daily from Storage/Receptacles /Collection centres/ (Dhalaos/Dustbins/Open sites) existing at different places from the two zones, namely Shahdara South Zone and Shahdara North Zone of EDMC. This MSW does not include segregated waste picked up by Rag pickers / kabariwala at the door steps and Collection Centres This waste generated by the citizens is deposited in the receptacles either by the citizens themselves or through private persons and the same is taken to Sanitary Land Fill site Ghazipur, Waste to Energy Plant Ghazipur for disposal/ processing.

5. DISPOSAL/ PROCESSING OF MUNICIPAL SOLID WASTE AND OTHER WASTE IN EDMC.

That presently about 2200 MT of Municipal Solid Waste(MSW) /garbage, 500 MT of Construction & Demolition (C&D) Waste, silt 700 MTD (received from PWD & I&FC Deptt. and both Zones of EDMC) are collected daily.

6. That EDMC is utilizing every space available with it for the purpose to set up waste processing and disposal facilities in compliance with the MSW (M&H) Rules 2000. The EDMC is resorting to land filling at the landfill site as a last resort. The waste disposed at Sanitary Land Fill site Ghazipur (Dump Site) is managed in the following manner:-

i. WEIGHING OF MSW AT SITE:-

The MSW brought through Refuse Removal vehicles at site is being weighed on Computerized Weigh Bridges installed at site.

ii. LEVELING AND DRESSING OF MSW:

After weighing the Refuse Removal Vehicle, MSW is unloaded at tipping/dumping point. Thereafter this MSW is leveled and dressed up with

Bulldozers and Hydraulic Excavators at present. As a result of bulldozing the MSW not only gets leveled but gets compacted also over which Refuse Removal Vehicles can move further ahead.

iii. COVERING OF MSW WITH BUILDING RUBBISH/ MALBA/ SILT/EARTH

The leveled MSW is covered with about 10-15 Centimeter thick layer of malba/ silt/earth. This process is continued till the desired level is achieved.

iv. PROPER CONTROL OVER THE ENTRY AND EXITS OF VEHICLES:-

To have a check on the Refuse Removal vehicles at SLF site proper entry and exits gates have been provided. For guidance of the vehicles into dumping/tipping area for unloading of MSW, the departmental staff have been deployed at site for proper disposal of MSW. After unloading the MSW by each vehicle is given a computerized slip mentioning slip number, vehicle number, time of arrival of vehicle, weight of MSW, name of zone, name of driver etc. in token of having brought the MSW at site.

v. SMOOTH FLOW OF VEHICLES INSIDE THE LAND FILL

As more and more leveled ground is achieved, vehicles have to travel long distances inside the land fill site. For smooth flow of vehicles inside the ground. Water Bound Macadam roads are constructed inside the site from time to time as and when required.

That it is due non-availability of land for disposal of waste, that EDMC has to continue with the land fill site therefore, efforts are being made to continue dumping using the existing site by increasing the height of filling above general ground level vertically and to develop this site in the shape of a Hillock. The methodology used for this type of filling is that first working cells are earmarked.

around these cells and embankment is created by excavating the stabilized garbage. Over this garbage filling of Malba/Debris or any hard material is done and once the surface gets hard enough, Water Bound Macadam (WBM) road is laid for movement of Refuse Removal Vehicles. Once the cell is ready filling of garbage can be started and each time a cell gets filled up to the built up road level; again the embankments height is raised and filling of garbage taken up. The kachcha open drains on periphery of SLF site is also constructed for collection of waste water of SLF site for disposal. The process is repeated several times till the gradient from the approach road is permitted. By adopting this method, the life of land fill site is being enhanced.

7. SUGGESTED PROCEDURE ON A SIMPLE MECHANISM WHICH CAN BE FOLLOWED, WHICH WILL INVOLVE DEPOSITING OF MUNICIPAL SOLID WASTE AT THE DUMPING SITE IN ROWS AND THEN BY TURNING IT WEEKLY I.E. FOUR TIMES IN A MONTH SO AS TO STABILIZE THE SAME.

That the procedure suggested is accepted for stabilization of organic waste forming windrows in a compost plant as being adopted by the SDMC at its operational compost plant at Okhla. The procedure is being adopted at this compost plant in a state of art covered sheds using high class automated segregation machines. The windrows are turned by using machines and the waste stabilized is converted into organic compost. But this system cannot be adopted at the land fill Ghazipur because of the fact that:-

- I. Huge Chunk of land would be required, which is not available at the existing land fill site at Ghazipur.
- II. Further deposition of Municipal Solid Waste at the dumping site in rows will result in:-
 - i. Nuisance of flies and mosquitoes etc.
 - ii. More chance of ignition / fire.
 - iii. Leachate will flow on the ground.

- iv. The movement of refuse removal trucks will be restricted.
- III. Due to flowing of leachate the vehicles deployed at the land fill site would not be able to move smoothly.
- IV. It is not possible to stabilize Municipal Solid Waste in a month.
- V. Sufficient information/data on the success of, the methods proposed by the petitioner are not yet available.

DEPONENT

VERIFICATION:

Verified at Delhi on this ___ day of May, 2016 that the contents of the above said affidavit are true and correct as per the official record maintained and made available in this regard. No part of it is false and nothing material has been concealed there from.

DEPONENT