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BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
AT NEW DELHI

OA No. 199/2015

In the matter of :

Almitra H Patel &anr....

.....Applicant

Vs.

Union of India and Others.

.....Respondents

**STATUS REPORT ON BEHALF OF THE SECRETARY
(ENVIRONMENT AND FOREST, GNCTD) AND DELHI
POLLUTION CONTROL COMMITTEE IN COMPLIANCE
WITH THE ORDER'S OF THIS HON'BLE TRIBUNAL
DATED 20.03.2015**

I Kulanand Joshi, Member Secretary, Delhi Pollution Control Committee, 4-6TH Floor, ISBT Building, Kashmere Gate, Delhi-110 006, and Additional Secretary (Environment), GNCTD do hereby solemnly affirm and declare as under :

1. That I am presently working as Member Secretary of Delhi Pollution Control Committee and Additional Secretary (Environment), GNCTD and thus, I am competent and authorized to depose and swear in the present affidavit for and on behalf of DPCC and Secretary (Env) on the basis of official records.
2. That this Hon'ble Tribunal vide order dated 20.03.2015 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs. Union of India & Others directed States concerned to file a comprehensive affidavit within 04 weeks in light of its judgment dated 25.11.2014 in Original Application No. 40 (TUC) of 2013 titled People for Transparency through Kamal Anand Vs. State of Punjab and subsequent order dated 20.03.2015 wherein proposal of Haryana

Municipal Bodies on 27.03.2015. All the Municipal Bodies have submitted their action plan. Copy of the action plan submitted by all the five Municipal Bodies are annexed herewith as **Annexure-I collectively**.

3. Brief extract of the action plan are here under:-

(i) **New Delhi Municipal Corporation :-**

- Fix population: 3 Lakhs
- Floating population: 25-30 Lakhs.
- Area: 42.76 Sq Km.
- MSW generated: 250-300 MT/day.
- Number of Circles :14
- Primary CollectionSystem:-

(a) Auto Tipper Trucks fitted with public address system : 26

(b) Small Mechanical Compactors : 07

(c) Big Mechanical Compactors:04

(d) Private Tipper Trucks:10

- Secondary Collection System:-

(a) Garbage System / Pucca Machinery Dustbin : 116

(b) New Garbage Iron Trolleys of capacity 1100 litres : 1275

(c) Old Garbage Iron Bin Trolleys : 203

(d) High capacity Garbage Collection Bin: Proposed.

(e) Transfer Station at Old Arjun Das Camp, Raj Nagar, Sarojini Nagar: Proposed to be built by concessionaire in one year.

- Transportation of Garbage:-

(a) Garbage Collection Points: Garbage lifted from the hot points twice or thrice a day and from the other point's daily basis.

(b) Tricycle Rickshaws: 74 and also ordered for 60 more.

- Disposal of Garbage:-

(a) Garbage is transported at Waste to Energy Plant at Okhla and compost plant at Okhla for generation of electricity and manure respectively.

- (b) Also doing local composting in all the big gardens such as Lodhi Garden, Nehru Park, Talkatora Garden, and NDMC Horticulture Nurseries.

Comments: - Twin bins distributed for collection of dry and wet waste separately in some colonies. NGO Chintan has also been involved for collection of Biodegradable and non-biodegradable waste separately. MSW is being sent to WTE Plant and horticulture waste to compost plant at Okhla.

(ii) Delhi Cantonment Board:-

- Population: 1,10,351
 - Area: 43.67 Sq Km.
 - MSW generated: 60 MT/day.
 - Number of Wards :08
 - Primary Collection System:-
- (a) Door to Door Collection segregated into Biodegradable and non-Biodegradable.
- (b) Unsegregated garbage is segregated at Tigris Road. An agency has been engaged for this purpose.
- (c) Dustbin Collection Points : 545
- (d) Tippers and Compactors:26
- (e) Transportation and Disposal: At landfill site Okhla.

Comments of DPCC: - Dry and wet waste collected separately, however, the same is sent to the Okhla Landfill site rather than to send it for processing.

(iii) North Delhi Municipal Corporation :-

- Population: 64 Lakhs
- Area: 604.8 Sq Km.
- MSW generated: 3100 MT/day.
- Number of Wards :104
- Processing: - 63 % of the waste processed at Bawana (1550 MT/day) and Waste to Energy Plant at Okhla (400 MT/day). The plant at Bawana operated by Delhi Municipal Solid Waste Services Ltd.

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- Sanitary landfill site Bhalswa:-

(a) MSW : 1150 MT/day

(b) Malba: 100 MT/day

(c) Silt: 300 MT/day.

Sanitary landfill site has approx. 40 acres of land and present height about 40 mts above ground level. Continued at the risk of human life and property as alternate land is not available as per the statement recorded by Municipal Corporation.

- C&D Waste:-

(a) C&D generated: 2000 MT/day. 100 MT is being sent at SLF, Bhalswa and 1900 MT processed at C&D Waste processing plant at Burari.

- Primary Collection System:-

(a) Dhalaos/Dust Bins/Receptacles/community bins at different location in the colonies/areas for collection and storage of municipal waste.

- Secondary Collection System:-

(a) Transfer Station : 06 (Proposed)

- Proposal:-

a. Waste generation in 2024: 5000 MTD

b. Land requirement for processing facilities: 330 Acre.

The requirement of land for disposal of Residue / reject is estimated as follows:-

Sl. No	Year	2015	2024
1	Waste Generation (MTD)	3100	5000
2	Quantity processed (MTD)	1950	5000
3	Remaining (unprocessed) (MTD)	1150	0
4	Residue (%) from processed	40 %	30%
5	Quantum of Residue(MTD)	780	1500
6	Total to be disposed at Landfill Sites (MTD)	1930	1500

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For disposal of Residue and MSW land/sites are proposed:-

- a. Engineered Land fill site at SuatnpurDabas(Bawana) Capacity-450 TPD.
- b. Proposed site near Village Palla near Haryana Border for Engineered landfill for rejects, site and misc. wastes capacity – 1000 TPD.

Comments: - In the absence of availability of land MSW of 1150 MTD & Silt /Malba 400 MTD is being disposed at LFSBhalswa. Proposal of installation of processing facilities and Engineering Land-fill sites subject to availability of land.

(iv) South Delhi Municipal Corporation :-

- Population: 56 Lakhs
- Area: 656.91Sq Km.
- MSW generated: Garbage :2700 MTD
- C&D 600 MTD
- Silt 230MTD
- Ash 650 MTD
- Number of Wards :104
- Processing:
- 150MT/day of the waste processed at compost plant Okhla and 1300 MT/day Waste to Energy Plant at Okhla .
- Sanitary landfill site Okhla:-

(d) MSW : 250 MT/day

(e) Malba:475 MT/day

(f) Silt: 200 MT/day.

(g) Ash/Reject:650 MT/day.

- Sanitary landfill site Bhalswa(North DMC):-

(h) MSW : 1000 MT/day

(i) Malba:125 MT/day

(j) Silt: 30 MT/day.

Note: 1250 MSW without processing going to land fill site.

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Sanitary landfill site at Okhla has approx. 32 acres of land and present height about 50mts above ground level. Continued at the risk of human life and property as alternate land is not available as reported by South Municipal Corporation.

- C&D Waste:-

C&D generated: 600 MT/day. being sent at SLFOkhla.

- Primary Collection System:-

Dhalaos/Dust Bins/Receptacles/community bins at different location in the colonics/areas for collection and storage of municipal waste.

- Secondary Collection System:-

Transfer Station : 08 (Proposed)

Waste generation in 2024: 4500 MTD

The requirement of land for disposal of Residue / reject is estimated as follows:-

Sl. No	Year	2015	2024
1	Waste Generation (MTD)	2700	4500
2	Quantity processed (MTD)	1450	4500
3	Remaining (unprocessed) (MTD)	1250	0
4	Residue (%) from processed	40%	30%
5	Quantum of Residue(MTD)	580	1350
6	Total to be disposed at Landfill Sites (MTD)	1250	1350

For disposal of Residue and MSW the following and/sites are proposed:-

- (a) Engineered Land-fill site at proposed site extension of existing SLF site Okhla Phase-I on CONCOR/CCI land(capacity 780 MTD).
- (b) Engineered Land-fill site at proposed site on Takhand Land near SLF Okhla Phase-I (capacity 150 MTD + MISC).

- (c) Engineered Land-fill site at proposed site near jounapurpahari on Mandi road for rejects, silt and misc. waste and for C&D Waste (capacity 1000 MTD + MISC).

Comments :- In the absence of availability of processing facility, MSW of 1000 MTD & Silt /Malba 155 MTD is being disposed at LFSBhalswa and MSW of 250 MTD & Silt /Malba/ash/reject 1325 MTD is being disposed at LFS Okhla . Proposal of installation of processing facilities and Engineering Land-fill site is subject to availability of land.

- (v) **East Delhi Municipal Corporation:** - Divided into two zones i.e. Shahadara North & Shahadara South .

- Population: 40 Lakhs
- Area: 105.98Sq Km.
- MSW generated: 2000-2200 MT/day.
- Number of wards :64

Machineries deployed for primary collection

- Wheel barrows : 1364
- Cycle Rickshaw : 320
- Tractor trollys:61
- Auto tippers:302

Secondary collection System:

Dhaloas :300 Nos.

Transportation of Waste:

Daily transportation of Garbage by using:

Tipper Trucks : 140

Loaders: 24

Door to door collection of the garbage is not mandatory for EDMC to implement as reported in the action plan. Garbage is collected by deploying the above said vehicles in the areas/lanes.

- **C&D Waste:-**

C&D generated: Generation capacity is not reported. However, EDMC is in the process of setting up a C&D waste processing plant at Shastri Park for capacity of processing 500 MTD of C&D waste, based on wet processing of waste.

- **Setting up of Automatic Garbage Treatment plant/Waste To Energy Plant at Ghazipur:**

A waste to energy plant for processing 1300MTD of MSW & for generation of 12MW electricity is under installation by M/s East Delhi Waste Processing Co. Pvt. Ltd. The plant is under trial run and expected to be started by mid of year 2015.

- **Landfill site**

One sanitary landfill site at Gazipur is already saturated & still utilized for disposal of MSW.

Comments : - EDMC has proposed collection of garbage to door to door system. A direct and separate collection system is recommended to eliminate storage of waste at secondary storage area. However, at present entire 2200 MTD MSW is being disposed of at Ghazipur landfill site.

4. That in Delhi there are 5 Municipal Authorities responsible for Municipal Solid Waste generation and management. Total municipal waste generation is 8360 MTD, as per following details :-

Sl. No	Name of Corporation	Quantity (MTD)
1	North Delhi Municipal Corporation	3100
2	South Delhi Municipal Corporation	2700
3	East Delhi Municipal Corporation	2200
4	New Delhi Municipal Council	300
5	Delhi Cantonment Board(excluding the area of	60
	Total	8360

5. **That the status of the Landfill Site(s) are as under:-**

There are 3 landfill sites namely Bhalswa, Ghazipur and Okhla. Bhalswa landfill site was commissioned in the year 1994, Ghazipur in 1984 and Okhla in 1996. All three landfill sites are not designed as per the schedule 3 of the MSW Rules which came into effect in 2000. DPCC has not granted authorization to all three landfill sites. All the five corporations have informed that they have

no other option but to use these sites for disposal of MSW as land is not available in Delhi. They have also informed that request has been made to DDA to allot land for landfill sites. Further, South Delhi Municipal Corporation and North Delhi Municipal Corporation have informed that these landfill sites being continued at the risk of human life.

A tabular chart is given under which indicates the pattern of disposal of municipal solid waste.

Sl. No	Name of Corporation	Quantity of the MSW generated (MTD)	Bawana Waste Processing Site (MTD)	Waste to Energy Plant, Okhla (MTD)	Bhalswa Landfill Site (MTD)	Okhla Landfill Site (MLD)	Ghazipur Landfill Site (MTD)	Compost Plant Okhla (MLD)
1	North Delhi Municipal Corporation	3100	1550*	400	1150	-	-	-
2	South Delhi Municipal Corporation	2700	-	1300	1000	250	-	150
3	East Delhi Municipal Corporation	2200**	-	-	-	-	2200	-
4	New Delhi Municipal Council	300	-	300	-	-	-	-
5	Delhi Cantonment Board (excluding the area of	60	-	-	-	60	-	-
	Total	8360	1550	2000	2150	310	2200	150

* The capacity of processing will increase to 3000 MTD after commissioning of the Waste to Energy Plant at Bawana which is under installation. At present, the

construction work is not going on due to some dispute between North Delhi Municipal Corporation and project proponent. Residue of processed MSW is being disposed of at Secured landfill site within the plant itself. About 15%-20% residue (inert material) is generated from the process.

**1300 out of 2200 MTD MSW shall be processed in the upcoming Waste to Energy Plant at Ghazipur but no proposal for the remaining. Waste to Energy Plant is likely to be commissioned by mid of 2015.

6. That following is status of Waste to Energy Plant:-

There are three Wastes to Energy plants at Okhla, Bawana & Ghazipur. Waste to Energy Plant at Okhla is operational and other two are under installation. Details are as under:

S.No.	Name	Capacity of Electricity Generated (MW)	Capacity of Waste processing (MTD)	Status of operation
1	Timarpur-Okhla Waste Processing Company Okhla Compost Site	16	1950	Operational
2	East Delhi Waste Processing Company Pvt. Ltd. Ghazipur	12	1300	Under Installation
3	Delhi MSW Solutions Ltd. Narela Bawana Road	24	3000	Under Installation.
	Total	52	6250	

7. That, Delhi Cantonment Board is generating about 60 MTD and segregated waste i.e. dry and wet is collected from door step but the same is dumped at Okhla landfill site rather than to send it to processing site at Okhla.

8. That, South Delhi Municipal Corporation and North Delhi Municipal Corporation have given forecasted details of the waste generation and also the proposed action plan subject to availability of land. A detail of C&D waste has also been given. However, other three municipal bodies have not given forecasted data of waste generation.

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9. That, about 4660 MTDMSW at present is being disposed of at three landfill sites i.e. 2150 MTD at Bhalswa, 2200 MTD at Ghazipur and 310 MTD at Okhla without any processing.

10. That, Waste to Energy Plant at Ghazipur and Bawana will generate about 36 MW electricity by using 4300 MTD. Waste to energy plant at Bawana is under installation and presently only compost plant is operated. 1550 MTD MSW is processed which will increase to 3000 MTD after commissioning the WTE Plant.



(Deponent)

Verification:

I, the above named Deponent verify at Delhi on the ___ day of April, 2015 that the contents of the above affidavit are true to the best of my knowledge and as borne out of the official records. Nothing material has been concealed therefrom.



(Deponent)