



HARYANA STATE POLLUTION CONTROL BOARD  
C-11, SECTOR-6, PANCHKULA  
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NO.HSPCB/WMC/SW-25/ 2019/ 5547

Dated: 10/5/19

To

The Member Secretary,  
Central Pollution Control Board,  
Parviesh Bhawan, East Arjun Nagar,  
Delhi.


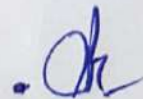

**Subject: Submission of Annual Report in form-V under Solid Waste Management Rules, 2016 for the year 2017.**

Kindly refer to the subject noted above.

In this connection, I have been directed to enclose herewith Annual Report in Form-V under Solid Waste Management Rules, 2016 for the year 2017.

This is for your information and further necessary action please.

DA/As above

  
  
Environmental Engineer  
Waste Management Cell (HQ)  
For Chairman  


Form V

Part-A

Format of Annual Report to be submitted by the State Pollution Control Board or Pollution Control Board Committee to the Central Pollution Control Board

1.	Name of the State	Haryana
2.	Name and address of the state pollution control board	Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana
3.	Number of local bodies responsible for management of solid waste in the state/union territory under these rules.	80
4.	No. of authorization received	00
5.	A summary statement on progress made by local body in respect of solid waste management	Attached as Annexure – I
6.	A summary statement on progress made by local body in respect of waste collection segregation transportation and disposal	Attached as Annexure – II
7.	A summary statement on progress made by local body in respect of implementation of schedule – II	Attached as Annexure – III

Part B

Town / Cities

Total number of towns /cities	80
Total number of ULBs	80
Number-of class I and Class II cities /towns	37

Authorization status (Name /Number)

Number of applications received	00
Number of authorization granted	00
Authorization under scrutiny	00

Solid waste generation status

Solid waste generation in the State (TPD)	4394.4
Collected (TPD)	4125.36
Treated (TPD)	750.05
Landfilled/ Dumped (TPD)	3375.3

Compliance to schedule I of SW Rules (Number /Names of Towns/ Cities)

Good practices in cities / towns	Yes (Overall)
House to house collection	Yes (Majority of Towns)
Segregation	Yes (Not Adequate)
Storage	Yes (Not Adequate)
Covered transportation	Yes (Partial)

Processing of SW (Number / Names of towns/ capacity)

Solid waste processing facilities setup (MC Wise)

Sr. no.	Composting	Vermi Composting	Biogas	RDF / Pelletization
1.	12	2	0	3

Processing facility operational

Sr. no.	Composting	Vermi Composting	Biogas	RDF / Pelletization
1.	12	2	0	3

Processing facility under installation / planned:

Sr. no.	Composting	Vermi Composting	Biogas	RDF / Pelletization
1.	1	1	1	1

Waste to energy plants: (Number/ names of towns/ capacity) =

Sr. no.	Plant location	Status of operation	Power generation (MW)	Remarks
1.			nil	

Disposal of solid waste (number/names of towns/ capacity)

Landfill sites identified	25
Land fill constructed	00
Landfill under construction	00
Landfill in operation	00
Landfill exhausted	00
Land filled capped	00

Solid waste dumpsites (number/ names of towns / capacity)

Total number of existing dumpsites	65
Dumpsites reclaimed / capped	00
Dumpsites converted to sanitary landfill	00

Monitoring at waste processing/ landfills sites

Sr. no.	Name of facilities	Ambient Air	Groundwater	Leachate quality	Compost quality	VOCs
1.						nil



Status of Action Plan prepared by Municipalities

Total number of municipalities

80

Number of action plan submitted

In the year 2015, the Govt. of Haryana, Urban Local Bodies Department has already submitted the action plan for Management of Municipal Solid Waste in the matter of OA No.199 of 2014, Almitra H. Patel & Anr. Vs Union of India & Ors. Before Hon'ble NGT (Copy enclosed).

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Sub: **Summary statement on progress made by Local Body in respect of Solid Waste Management**

There are 80 Urban Local Bodies (ULBs) in the state of Haryana with a population of approximately 1,01,63,529. These ULBs generate about 4348.66 Tonne per Day (TPD) of Municipal Solid Waste (MSW) out of this quantity solid waste collected is 4125.36 TPD, Treated is 750.054 TPD and Landfilled is 3585.93 TPD. The Govt. of Haryana, Urban Local Bodies Department has constituted a State Level Advisory Body vide order no. 14/12/2018/461 (Copy enclosed) for implementation of Solid Waste Management Rules in the State in compliance of Solid Waste Management Rules, 2016. A state level committee has been constituted (Copy enclosed) as per orders of Hon'ble NGT in the matter of O.A. no. 606 of 2018 "compliance of Municipal Solid Waste Management Rules, 2016." The committee has already conducted 4 meetings regarding the same. In the year 2015, the Govt. of Haryana, Urban Local Bodies Department has already submitted the action plan for Management of Municipal Solid Waste in the matter of OA No.199 of 2014, Almitra H. Patel & Anr. Vs Union of India & Ors. before Hon'ble NGT (Copy enclosed).

Government of Haryana have adopted a cluster based integrated approach for Solid Waste management. Integrated solid waste management (ISWM) proposes a waste management hierarchy with the aim to reduce the amount of waste being disposed, while maximizing resource conservation and resource efficiency. The ISWM hierarchy ranks waste management operations according to their environmental, economic and energy impacts. Source reduction or waste prevention, which includes reuse, is considered the best approach followed by recycling and composting of organic matter of waste, resulting in recovery of material. The components of waste that cannot be prevented or recycled can be processed for energy recovery or disposal of waste in sanitary landfill, which is the least preferred option. Moreover, solid waste management system shall be compliant with Solid Waste Management Rules, 2016 and the NGT Guidelines (and to amendments thereto).

As a part of development activities for MSW management projects on regional basis, the entire State has been broadly divided into fourteen (14) clusters out of which (4) will be Waste to Energy i.e. Faridabad, Rohtak, Sonapat, Ambala and (10) will be Waste to Compost/RDF processing i.e. Jind, Hisar, Dabwali with Sirsa, Rewari, Panchkula, Bhiwani, Farukhnagar, Yamunanagar, Puhiana, and Fatehabad. The detail of clusters is given in Table 1.

**Table 1: Details of proposed clusters**

Cluster Name	ULBs within clusters	Proposed Technology
Ambala	Ambala, Shahabad & Thanesar	Composting/RDF
Bhiwani	Loharu, Bhiwani, Siwani & , Charkhi Dadri	Composting/RDF
Dabwali + Sirsa	Dabwali, Kalanwali, Rania & Sirsa	Composting/RDF
Farukh Nagar	Farukh Nagar, HailyMandi, Pataudi, Sohna, Taoru, Nuh & Palwal	Composting/RDF
Gurgaon + Faridabad	Gurgaon & Faridabad	RDF based power plant.
Hisar	Tohana, Fatehabad, Bhuna, Ratia, Ellenabad, Hisar, Ukiana Mandi, Narnaund, Hansi, Barwala & Bawani Khera	RDF based power plant.
Kaithal	Pehowa, Cheeka, Kalayat, Kaithal, Rajaund, Pundri, Assandh,	RDF based power plant.

	Jind, Uchana & Narwana	
Karnal	Karnal, Nissing, Indri & Nilokheri	Composting/RDF
Panchkula	Panchkula & Naraingarh	Composting/RDF
Panipat Sonepat	Gharaunda, Gannaur, Samalkha Panipat, Safidon, & Sonepat	RDF based power plant.
Punhana	F/Jhirkha, Punhana, Hathin & Hodel	Composting
Rewari	Ateli Mandi, Kanina, Mahendra garh, Narnaul, Nangal Chaudhary, Bawal, Dharuhera & Rewari	Composting/RDF
Rohtak	Bahadurgarh, Beri, Gohana, Jhajjar, Kalanaur, Kharkhoda, Julana, Meham, Sampla, & Rohtak	RDF based power plant.
Yamunanagar	Yamunanagar-Jagadhari, Ladwa	Composting/RDF

Urban local bodies are doing collection of domestic, trade and institutional food/ biodegradable waste from the doorstep or from the community bin on a daily basis. Local bodies are using containerized handcarts/tricycles/ Tractor Trolley / Refuse Compactor or other similar means for the primary collection of waste stored at various sources of waste generation. Under the powers given to the state government by the Haryana Municipal Act 1973 and Haryana Municipal Corporation Act 1994, the government has notified certain user charges to be levied for solid waste management in urban areas.

The solid waste thus collected from households and other sources will be transported to Primary Collection Centre (PCC), where, the waste would be primarily segregated i.e. recyclables shall be sorted out by the workers and stored separately. For secondary transportation of solid waste from the Primary Collection Centre (PCC) to the designated processing plant site or sanitary landfill site/ dumping sites.

Presently in the State there are 12 nos. Solid Waste Composting Facilities, 02 nos. Vermi Composting Facilities and 03 nos. RDF Facilities. Rejects and residues collected from the above mentioned processes are disposed in dumping sites and further proposed to be processed for energy recovery.



Sub: Summary Statement on progress made by Local Bodies in respect of waste collection, segregation, transportation and disposal.

#### A. Waste Collection

Urban local bodies are doing collection of domestic, trade and institutional food/ biodegradable waste from the doorstep or from the community bin on a daily basis. Local bodies are using containerized handcarts/tricycles/ Tractor Trolley / Refuse Compactor or other similar means for the primary collection of waste stored at various sources of waste generation. Under the powers given to the state government by the Haryana Municipal Act 1973 and Haryana Municipal Corporation Act 1994, the government has notified certain user charges to be levied for solid waste management in urban areas.

In majority of towns of Haryana the collection of solid waste is done by house to house collection. Large containers kept in the fruit and vegetable markets and removed during night time or non-peak hours by the local body. Further, Special arrangement are made for collection of waste into the specified municipal storage containers nearby, which should be collected at regular intervals by local bodies.

#### B. Transportation

Local bodies are using covered containerized handcarts/tricycles/ Tractor Trolley / Refuse Compactor or other similar means for the primary collection of waste stored at various sources of waste generation. For secondary transportation of solid waste from the Primary Collection Centre (PCC) to the designated processing plant site or sanitary landfill site, "Dumper Placers with twin bin containers" is provided.

#### C. Segregation

At present there is not adequate segregation of solid waste is done by the local bodies.

#### D. Disposal

Rejects and residues collected from the above mentioned processes are disposed in dumping sites and further proposed to be processed for energy recovery. Presently in the State there are 12 nos. Solid Waste Composting Facilities, 02 nos. Vermi Composting Facilities and 03 nos. RDF Facilities.



Sub: Summary statement on progress made by local bodies in respect of implementation of Schedule-II.

Presently in the State there are 12 nos. Solid Waste Composting Facilities, 02 nos. Vermi Composting Facilities and 03 nos. RDF Facilities. The Detail of these facilities is given in table 2

**Table 2: Detail of Solid Waste Facilities**

Sr. no.	Name of Local body	Facility
1.	Bhiwani	Composting
2.	Gurugram	Composting
3.	Hisar	Vermi composting
4.	Barwala	Composting, Vermi composting
5.	Jind	Composting, Refuse Derived Fuel
6.	Jhajjar	Composting
7.	Bahadurgarh	Composting
8.	Karnal	Composting, Refuse Derived Fuel
9.	Nissing	Composting,
10.	Panchkula	Composting
11.	Rohtak	Composting, Refuse Derived Fuel
12.	Kalanaur	Composting
13.	Sirsa	Composting