



PUNJAB POLLUTION CONTROL BOARD

VATAVARAN BHAWAN, PATIALA

Ph: 0175- 2215793, 2215802 FAX: 0175- 2215636
www.ppcb.gov.in

E-mail:msppcb@gmail.com Web:

EPA/2014/No. 3292

Dated: 12.09.2014

To

The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032

Subject: Implementation of Municipal Solid Waste (Management & Handling) Rules, 2000- Annual Report for the year 2013-14.

As per Rule 8(1) of the Municipal Solid Wastes (Management & Handling) Rules, 2000, the annual report for the year 2013-14 is submitted herewith for information & further necessary action please.

DA/ Annual Report

Sd/-
Member Secretary

Endst. No. 3293

Dated: 12.09.2014

Copy of the above is forwarded to The Incharge, Central Pollution Control Board, Zonal Office, Ground Floor, PICUP Bhavan, Vibhuti Khand, Gomti Nagar, Lucknow-226010, for information and further necessary action.

DA/Annual Report

Sd/-
Member Secretary

Form –IV
[See rule 8 (1)]

Format of Annual Review Report to be submitted by the State Pollution Control Board/ Committees to the Central Pollution Control Board.

1	Name of the State / Union Territory	Punjab
2	Name & Address of the State Pollution Control Board/ Pollution Control Committee	Punjab Pollution Control Board, Vatavarn Bhawan, Nabha Road, Patiala.
3	Number of municipal authorities responsible for management of municipal solid wastes in the State / Union territory under the rules	Total Urban Local Bodies= 143
4	A summary Statement on progress made by municipal authorities in respect of implementation of Schedule –I [(rule4 (3)]	Annexure –I attached
5	A summary statement on progress made by municipal authorities in respect of implementation of schedule II [Rules 6 (1) and (3) , 7 (1)]	Annexure –II attached
6	A summary Statement progress made by municipal authorities in respect of implementation of Schedule III [Rules 6 (1) and (3) , 7 (2)]	Annexure –III attached
7	A summary Statement on progress made by municipal authorities in respect of implementation of Schedule IV [Rules 6 (1) and (3) , 7 (2)]	Annexure –IV attached

**Check list for filling Annual Report on Municipal Solid Waste Management
for the year: 2013-14 (01.04.2013 -31.03.2014)**

1	Total Number of Local Bodies in the State	143
2	Number of Towns in Class-I State (2013-14)	
i)	Nos. of Town Class-I (more than 1,00,000 population)	18
ii)	Nos. of Town Class-II (50,000 -99,000 Population)	27
iii)	Nos. of Town Class-III (20,000 to 49,000 Population)	45
iv)	Class-IV Towns (10,000 to 19, 000 Population)	40
v)	Class-V Towns (5,000 -9,999 Population)	13
vi)	Class –VI Towns (<5,000 Population	1
vii)	Unclassified Towns	Nil
	Total	143
3	Authorization for MSW Management (during 2013-14)	
	Total Nos. of Application received from Urban Local Bodies (ULBs)	5
	Authorization granted to ULBs	4
	Authorization not granted	134
	Authorization under process.	Nil
4	Nos. of Towns being implemented Schedule II of the MSW Rules (i.e, Collection , segregation storage , transportation)	
i)	Nos. of Towns taken initiative	95
ii)	Nos. of Towns 100% complied	5
iii)	Nos. of Towns partially complied	92
iv)	Nos. of Towns not complied	25
v)	Names of Towns where good initiative are taken	09 (Adampur, Alawalpur, Phagwara, Nakodar, Jalandhar, S.A.S. Nagar, 2

		in Distt. Amritsar and 1 in Distt. Sangrur
5	Nos. of waste processing plants (treatment facilities) (Specifies nos. whether mechanical compost/ vermicompost / pit compost / RDF / Bio-gas / incineration / etc.)	2
i)	Plants operational	2
ii)	Plants set up , waiting for operation	Nil
iii)	Plants proposed	8 Clusters (Detail attached)
6	Nos. of Landfill sites	
i)	Nos. of open dumping	143
ii)	Nos. of Sanitary Landfill Operational	Nil
iii)	Nos. of Land fill ready, waiting for use	Nil
iv)	Nos. of Land fill being constructed	Nil
v)	Nos. of Land fill site identified	26
7	Waste –to energy projects	
i)	WTE project operational	Nil
	WTE project being constructed	Nil
	WTE project under plan	08
8	Any other information	As Per attached annexure

Annexure –I
[see rules 4(2) and (3)]

Implementation Schedule

Sr. No.	Compliance criteria	Schedule	Status of 143 ULBs operating in the State of Punjab
1.	Setting up of waste processing and disposal facility	By 31/12/2003 or earlier	2 facilities set up & operational in Jalandhar and Hoshiarpur district and 1 facility in Ludhiana will be operational by November-2014.
2	Monitoring the performance of waste processing and disposal facilities	Once in six months	3 processing and disposal facilities are monitored regularly.
3	Improvement of exiting landfill sites as per the provisions of these rules	By 31/12/2001 or earlier	5 ULBs are Complying, 113 ULBs are Partially Complying and 25 ULBs are not complying.
4	Identification of land fill sites for future use and making site (s) for operation	By 31/12/2002 or earlier	117 ULBs have still not identified the land fill site, 26 ULBs belonging to Distt. Jalandhar, Hoshiarpur, Sangrur, Barnala, Ludhiana, Mohali and Bathinda have identified the land fill site.

Annexure –II
[see rules 6(1) and (3), 7 (1)]

Management of Municipal Solid Wastes

Sr. No.	Parameters	Status of 143 ULBs operating in the State of Punjab
1	Collection of Municipal Solid Waste	Yes, collection is being done.
2	Segregation of municipal Solid Wastes	3 ULBS are segregating their waste into biodegradable and non-biodegradable waste, properly and 10 ULBs are segregating the waste partially.
3	Storage of municipal solid wastes	Open landfill sites for storage.
4	Transportation of municipal solid wastes	121 ULBs are transporting their waste using covered vehicles and 22 ULBs are not using covered vehicles to transport their waste.
5	Processing of municipal solid wastes	3 ULBs have proper processing system and one in Jalandhar is partially processing the waste. One processing plant at Ludhiana will be made operational in November-2014. The remaining ULBs are not having any processing facility.
6	Disposal of municipal solid wastes	4 ULBs have proper disposal system.

Annexure III
[See rules 6(1) and (3), 7 (1)]

Specification for Landfill Sites

There are total 143 Urban Local Bodies existing in the State Of Punjab.

Out of these,

- 46 ULBs have not developed the site as per the schedule-III of the Municipal Solid Wastes (Management & Handling) Rules, 2000.
- Remaining 97 ULBs have started complying with the rules and have developed the site partially as specified in the Rules.

Annexure IV
[see rules 6(1) and (3), 7 (2)]

Standards for Composting, Treated Leachates and Incineration

There are two no. Composting plants are operating in the State of Punjab.

1. **M/s Punjab Grow More Fertilizers, Waryana**-This facility is used for the composting of the total waste generated from the city of Jalandhar.
2. **Common Facility at Sham Chaurassi**- This facility is used for the composting of the waste generated from three towns namely Alawalpur, Adampur and Shamchaurasi.

Apart from above, there is no other common composting plant that has been provided for the treatment of the waste generated from any other Urban Local Body.

The latest status of the Clusters is as follows:

1. Ludhiana Cluster

A comprehensive Solid Waste Management of Municipal Corporation Ludhiana is required to improve the existing condition of waste management in the city, in compliance with MSW rule 2000. This has necessitated the formulation of these projects. The Project has been appraised by the CPHEEO. The appraisal Committee noted the submission of the State that matching share of ULB/State for this project has been made. The Following 13 Towns are part of the Ludhiana MSW Cluster:

“Municipal Corporation Ludhiana, Doraha, Jagraon, Khamanon, Khanna Machiwara, Malaudh, Dakha, Payal, Raikot, Sahnewal, Samrala, Phillaur.”

- **Present Capacity:** 1125 TPD (including C&D Waste) which is to be enhanced to 2238 by the year 2035.
- **Components:**
Door to Door Collection, Primary and Secondary Collection, Transportation for 1325 TPD (including C&D Waste), Compost Facility, Sanitary Landfill Facility (SLF).
- **Projects Site (s):**
1. About 49.5 Acres Land at Jamalpur, 2. Approximate 33 Acres of land at Jainpur.
- **The Project Cost** is Rs. 97.85 Crores.

2. Jalandhar Cluster

Present status

- **Project Capacity:** 750 TPD
- **Processing Facility:** Approx. 20 acre of site at village Jamsher near Jalandhar
- **Sanitary Landfill Facility:** Approx. 21 acre of site at Village Piplanwala, Hoshiarpur.
- **No. Of Urban Local Bodies attached:** 27
- **The total project cost** is 133.33 crores.
- Project was awarded to the consortium of M/s. JITF Urban Infrastructure Limited, New Delhi (JINDAL Group); and M/s Ladurner Impainti s.r.l., Italy

in January, 2012.

- Collection and transportation of solid waste could not be started till date. The implementation of the project is held up due to resistance from the Local Safai Unions.
- Collection and transportation of solid waste could not be started till date. The implementation of the project is held up due to resistance from the Local Safai Unions.
- RDF & Compost Plant and WTE Plant shall be started soon after the negotiations are finalized with the Safai karamchari Unions of their demands and will be completed within max. 600 days from Start of Work for WTE plant.

3. **Bathinda Cluster**

Present status

- **Project Capacity:** 350 TPD
- **Processing Facility:** Approx. 20 acre at Mansa Road, Bathinda
- **Sanitary Landfill Facility:** Approx 36.11 acre at village Mandi Khurad Project was awarded to consortium of M/s. JITF Urban Infrastructure Limited, New Delhi (JINDAL Group); and M/s Ladurner Impainti s.r.l., Italy in Nov.,2011;
- **No. Of Urban Local Bodies attached:** 16
- **The total project cost** is 66.46 crores.
- Collection and transportation of MSW is operational since Jan, 2012.
- Phase-I: RDF & Compost Plant would be constructed within one year from the date of decision of Hon'ble NGT in Appeal no. 70/13. Phase-II, WTE Plant would be constructed within one year afterwards.

4. **Ferozpur Cluster**

Present Status

- **Project Capacity:** 300TPD
- **Processing Facility:** Approx. 20 acre of site at Village Beer Chahal, Faridkot.
- **Sanitary Landfill Facility:** The same site at Village Beer Chahal, Faridkot would be utilized for SLF.

- **No. Of Urban Local Bodies attached:** 18
- **The total project cost** is 66.46 crores.
- Project was awarded to M/s. JITF Urban Infrastructure Limited, New Delhi (JINDAL Group); and M/s Ladurner Impainti s.r.l., Italy In Dec.,2011;
- Collection & Transportation of MSW is operational since Jan.,2012.
- After obtaining the clearance, the Processing Plant would be constructed.

5. **Amritsar Cluster**

Present Status

- **Project Capacity:** 650 TPD
- **Processing Facility:** Approx. 21 acres Site is available at Bhagatanwala within Municipal Limits.
- **Sanitary Landfill Facility:** The same site at Bhagatanwala would be utilized for phase-I SLF.
- **The total project cost** is 116.00 Crores.
- **No. Of Urban Local Bodies attached:** 8.

6. **GMADA Cluster**

Present Status

- **Project Capacity:** 350 TPD
- **Processing Facility:** Aprox. 50 acre of site at Village Samgauli is allocated for MSW project.
- **Sanitary Landfill Facility:** The same site at Village Samgauli would be utilized for SLF.
- **No. Of Urban Local Bodies attached:** 18.
- **The total project cost** is 80 crores.

7. **Patiala Cluster**

Present Status

- **Project Capacity:** 500 TPD
- **Processing Facility:** Aprox. 20 acre of site at Village Dudhar is allocated for MSW project.
- **Sanitary Landfill Facility:** The site at Village Samgauli would be utilized for SLF.

- **No. Of Urban Local Bodies attached:** 25.
- **The total project cost** is 95 crores.
- The Project is under the development process.
- Possession of land at village Dudhar (20 Acre Approx) has been handed over by D.C. Patiala to the Municipal Corporation in compliance of the orders of the Hon'ble NGT. Now, the bidding process is being initiated.
- The Work for collection & transport of solid waste shall be started within 90 days after signing of Concession Agreement.
- The work for construction will be completed max. one year from Start of Work for processing Plant.

8. Pathankot Cluster

Present Status

- **Project Capacity:** 250 TPD
- **Processing Facility:** Village Deriwal would be allocated for MSW project.
- **Sanitary Landfill Facility:** The site at Village Deriwal would be utilized for SLF.
- **No. Of Urban Local Bodies attached:** 13
- **The total project cost** is 55.00 Crores.
- Approx. 40 acre of land at village Deriwal is identified for MSW Project.
- The Project is under the development process.

Present Physical process:

Out of 8 cluster sites in the State at present, some work has been started at Bathinda Cluster on ground, however, at Ludhiana Cluster, transportation and Dumping of solid waste was started by the Company from the entire Ludhiana City on 15-05-2012 and Door to Door Collection was started on 01-09-2012. Concrete steps have been taken towards the establishment.

Status of Environmental Clearance under EIA Notification dated 14.09.2006 of the eight 'Integrated Municipal Solid Waste Management Facilities' to be developed in the State of Punjab

There are eight clusters identified by the State Government for setting up of Integrated Municipal Solid Waste Management Projects for management of MSW. All the concerned Municipal Corporations/Councils have identified land and applied for Authorization from the Board. The Board has granted Authorization under Municipal Solid Waste (Management & Handling) Rules, 2000 to all the projects including landfill site at Hoshiarpur after considering their case in the Committee constituted for the effective implementation of the provisions in Sub Rule (2) of Rule 6 of Municipal Solid Wastes (Management & Handling) Rules, 2000. After obtaining Authorization from the Board, the concerned MCs have also applied for Environmental Clearance from the Competent Authority. The Department of Local Government, Punjab has not given any target date for completion of the projects. The Status of Environmental Clearance is as under:

Sr. No.	Name of the Cluster	Status of Environmental Clearance.
1.	Municipal Corporation, Bathinda	Environmental clearance under EIA notification dated 14.09.2006 has been granted by SEIAA, Punjab vide letter No. 36350 dated 30.08.2012 for establishment of an 'Integrated Municipal Solid Waste Management Facility' at Mansa Road, Bathinda in an area of 20 acres to handle 350 Tons/day of Municipal Solid Waste and 'Engineered Sanitary Landfill Facility' in an area of 36.8 acres in the revenue estate of Village Mandi Khurd, District Bathinda.
2.	Municipal Corporation, Jalandhar	Environmental clearance under EIA notification dated 14.09.2006 has been granted by SEIAA, Punjab vide letter No. 36378 dated 30.08.2012 for establishment of an 'Integrated Municipal Solid Waste Management Facility' in the revenue estate of Village Jamsher, Distt. Jalandhar in an area of 20 acres to handle 750 Tons/day of Municipal Solid Waste and 'Engineered Sanitary Landfill Facility' in an area of 22 acres in the revenue estate of Village

		Piplanwali, District Hoshiarpur.
3.	Municipal Corporation, Amritsar	Environmental clearance under EIA notification dated 14.09.2006 has been granted by SEIAA, Punjab vide letter No. 31793 dated 15.07.2014 for development of existing dump site into 'Integrated Municipal Solid Waste Management Facility' including Engineered Sanitary Landfill Facility @ 130 TPD, Compost plant @ 350 TPD, RDF plant @ 250 TPD and Recycling unit @ 50TPD in an area of 10 hectares to handle 650 Tons/day of Municipal Solid Waste in the revenue estate of Village Bhagtanwala, Tehsil & Distt. Amritsar.
4.	Municipal Council, Ferozpur	The SEAC has recommended the case to the SEIAA with the recommendation to grant Environmental Clearance to Municipal Council, Ferozpur for establishment of 'Integrated Municipal Solid Waste Management Facility. Lastly, the case was considered by the SEIAA in its 68 th meeting held on 23.08.2014 and has deferred the case till the reply of certain observation is received from the Municipal Council.
5.	Municipal Corporation, Ludhiana	Environmental clearance under EIA notification dated 14.09.2006 for both Integrated Municipal Solid Waste Management facilities to be developed at Village Jainpur and Village Jamalpur, District Ludhiana has been granted by the MoEF, New Delhi on 31.01.2013.
6.	Municipal Corporation, Pathankot	The case falls in the competency of Ministry of Environment & Forests due to applicability of 'General Condition' since the site of the project located at a distance of 8.3 km from the International Boundary of Pakistan (India-Pakistan Border). The M.C. Pathankot has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 in the office of MoEF, New Delhi.
7.	Municipal Corporation, Patiala	Terms of Reference have been issued by SEIAA, Punjab to the Municipal Corporation, Patiala vide letter no. 12550 dated 16.03.2012 and the Municipal Corporation, Patiala has not applied to

		the Punjab Pollution Control Board for conduct of the public hearing as yet.
8.	Municipal Corporation, SAS Nagar	Environmental clearance under EIA notification dated 14.09.2006 has been granted vide letter dated 09.03.2012 by the Ministry of Environment & Forests, New Delhi for establishment of an 'Integrated Municipal Solid Waste Management Facility' in the revenue estate of Village Samgauli, District SAS Nagar.