



HEAD OFFICE
Uttarakhand Pollution Control Board
"Gaura Devi Paryavaran Bhawan"
46B, IT Park, Sahastradhara Road, Dehradun
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UKPCB/HO/Gen-50(V)/2023/906

Date: 16/10/2023

To,

The chairman,
Central Pollution Control board,
Parivesh Bhawan, East Arjun Nagar,
Delhi – 110032.

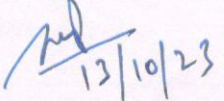
Sub: Submission of Solid Waste Annual Report for the FY 2022-23 under Solid Waste (Management) Rule 2016 - reg.

Sir,

With reference to subject mentioned above, this is to submit solid waste annual report under Solid waste (Management) Rule 2016. In this context, Solid Waste Annual report of Uttarakhand state for the Financial Year 2022-23 is enclosed with this letter.

Encl: as above

Yours faithfully


13/10/23
(S. K. Pattnaik)
Member Secretary



Form - V
{See Rule 24 (3)}

**Annual report is being submitted by the Uttarakhand Pollution Control Board
to the Central Pollution Control Board.**

To,

PART-A

The Chairman

**Central Pollution Control Board
Parivesh Bhawan, East Arjun
Nagar, Delhi- 1100032.**

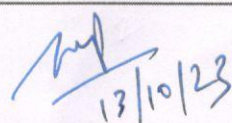
1. Name of the State/Union territory.	:	Uttarakhand
2. Name & address of the State Pollution Control.	:	Uttarakhand Pollution Control Board, Gaura Devi Paryavaran Bhawan, 46-B, IT Park, SIDCUL, Sahastradhara Road, Dehradun, Uttarakhand, 248001.
3. Number of local bodies responsible for management of solid waste in the State/Union territory under these rules.	:	102 ULBs 09 Cantonment Boards
4. No. of authorization application Received.	:	02
5. A Summary Statement on progress made by local body in respect of solid waste management.	:	Attached as <i>Annexure-I</i>
6. A Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal.	:	Attached as <i>Annexure-I</i>
7. A summary statement on progress made by local bodies in respect of implementation of Schedule II.	:	It is being complied as per the SW Management Rules.

Date:

Place: Dehradun, Uttarakhand

**Chairman /
Member Secretary**

**Uttarakhand Pollution Control
Board**


13/10/23

PART-B

TOWN / CITIES

- **Total no. of ULBs -** Old ULBs: 92
Newly created ULBs: 10
Total ULBs: 102.
- **No. of class I & class II cities/towns-** 09 Class-I, 93 Towns.

Authorization status (names / number)

- **No. of applications received -** 02
- **No. of authorizations granted -** Nil
- **Authorization under scrutiny -** 01
- **Number of application Return -** 01 (Total waste generation <5TPD)

SOLID WASTE GENERATION STATUS

- **Solid waste generation in the state (TPD)- 1759.33 (TPD)**
(Annual report submitted by 100 ULBs and 08 Cantonment Boards)
- **Collected- 1710.11 (TPD)**
- **Treated (Processed)- 998.354 (TPD)**

Compliance to Schedule I of SW Rules (No. / Names of towns / Capacity)

- **Good practices in cities / towns-** Attached as *Annexure-I*.
- **House-to-house collection-** In old 92 ULBs, out of 1152 wards, Door to door waste collection is initiated in all 1152 wards. (100 % achievement)
- **Segregation-** Source segregation in all the 1152 wards of old 92 ULBs have been started. However 40.4% households, shops, institutions, schools etc., are doing this at source.
- **Storage-** Nagar Nigam Dehradun and Haridwar having storage area while other ULBs having temporary storage area. 10 Sites have been notified to be used for storage of C&D waste.
- **Covered transportation-** Partial compliance.

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

- **Solid Waste processing facilities setup:**

Sl. No.	Composting	Vermi-composting	Biogas	RDF/Palletization
1. Dehradun Installed Capacity 290 TPD	150 TPD	-	-	-
2. Haridwar Installed Capacity 250 TPD	100-150 TPD	-	-	-

- **Processing facility operational:**

Sl. No.	Composting	Vermi-composting	Biogas	RDF/Palletization
1. Dehradun	40 TPD	-	-	200 TPD
2. Haridwar	50 TPD	-	-	-

- **Waste-to-Energy Plants (Number / Names of towns / capacity):**

Sl. No.	Plant Location	Status of Operation	Power generation	Remarks
01	Waste to Energy plant	Proposed to install	1 MW	Proposed to cover 17 ULBs.

Disposal of solid waste (Number / Names of towns / Capacity):

- **Landfill sites identified-** All 65 sites for 92 ULBs have been identified.
- **Landfill constructed** – 02 sites constructed.
(Nagar Nigam Dehradun: 60 TPD capacity & Nagar Nigam Haridwar: 35 TPD capacity)
- **Landfill under construction** – 53 sites are at various stages of execution and remaining 12 sites are at in-principal approval stage.
- **Landfill in operation-** 02 sites in operation (Nagar Nigam Dehradun & Nagar Nigam Haridwar).
- **Landfill exhausted-** Nil
- **Landfill capped-** Nil

• **Solid Waste Dumpsites (No./ Names of towns/ Capacity):**

Total no. existing dumpsites- 19

Dumpsites reclaimed/capped –

- I. Bio-remediation at 04 places is completed.
- II. Bio-remediation at 04 places is partially completed.
- III. DPR of 05 places have been applied.

Dumpsites converted to sanitary landfill- Nil

Monitoring at Waste processing / Landfills sites

Sl. No.	Name of facilities	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs
1.	Nagar Nigam Dehradun	Yes	Yes	Yes	-	-
2.	Nagar Nigam Haridwar	-	Yes	-	-	-

Summary statement on progress made by local body in respect of Solid Waste Management.

- All 65 sites from 92 ULBs have been identified for setting up Solid Waste Processing facilities.
- 18 sites (08 in clusters and 10 standalone) has been identified as suitable sites for setting up sanitary landfill facilities under 0.5 million population.
- 01 sites has been identified as suitable sites for setting up sanitary landfill facilities more than 0.5 million population.
- Procurement of 53 sites for setting-up solid waste processing facility and sanitary landfill facilities has been done. While remaining 12 sites are under process of statutory approvals (11 forest land and 01 revenue land).
- Bioremediation at 4 places (Gauchar, Gairssain, Kotdwar and Muni-ki-reti) is completed.
- Bioremediation at 4 places (Kashipur, Rudrapur, Rishikesh and Uttarkashi) is partially completed and DPR for other 05 places (Dehradun, Haridwar, Roorkee, Haldwani and Srinagar) have been approved.

Summary statement on progress made by local body in respect of waste collection, segregation, transportation and disposal.

- 70% door to door collection in household, shops, institutions and schools etc., have been executed so far. For rest, dustbins in the form of public receptacles have been provided at suitable places.
- For the disposal of waste, 68 Nos. of STPs are under operation with a capacity of 425 MLD, 20 Nos. of STPs are at construction phase and 12 Nos. of STPs are at sanctioned stage.
- Source segregation in all the 1152 wards of old 92 ULBs have been initiated and 40.4% households, shops, institutions, schools etc., are segregated their waste at source.
- The Uttarakhand State is actively pursuing IEC activities to ensure 100% source segregation.

Good practices in cities / towns:

- 69 compactors has been procured for the solid waste management in rural areas (Village Panchayat).
- Common waste plastic recycling facility with capacity 03 TPD is established at village Mujahidpur, Satiwala Khalsa, Uttarakhand.
- Digital Deposit Refund System (DRS) is being implemented for Uttarakhand state for the source segregation and environment sound disposal mechanism.
- Material Recovery Facility has been established in Doiwala, Dehradun for the collection, segregation, management and disposal of waste.

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