



उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
UTTAR PRADESH POLLUTION CONTROL BOARD

संदर्भ संख्या

सी-7/Annual Report/21

दिनांक

18-2-21

To,


Member Secretary,
Central Pollution Control Board,
Pariwash Bhawan, New Delhi.

Sub: **Submission of Annual Report regarding Implementation of Solid Waste Management Rules, 2016 for the year 2019-2020.**

Sir,

The Annual Report regarding Implementation of Solid Waste Management Rules, 2016 for the year 2019-2020 in compliance of the Rule- 24 (3) is being enclosed for your kind perusal and necessary action.

Yours Sincerely,


(Ashish Tiwari)
Member Secretary
eu

Copy to:

- 1- Principal Secretary, Urban Development Department, Government of Uttar Pradesh along with copy of Annual Report.
- 2- Principal Secretary, Environment, Forest & Climate Change Department, Government of Uttar Pradesh along with copy of Annual Report.


Member Secretary
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Form - V

[See rule 24(3)]


Format for annual report to be submitted by the state pollution control board or pollution control committee


committees to the central pollution control board

Part A

To,
The Chairman
Central Pollution
Control Board
Parivesh Bhawan,
East Arjun Nagar
DELHI-1100032

1	Name of the State /Union territory	Uttar Pradesh					
2	Name & address of the State Pollution Control Board	U.P. Pollution Control Board, T.C. - 12 V, Vibhuti Khand, Gomti Nagar, Lucknow, 226010.					
3	Number of local bodies responsible for management of solid waste in the state/Union territory under these rules:	652 (Nagar Nigam-17, Nagar Palika Parishad-198, Nagar Panchayat-437)					
4	No. Of authorisation application Received	03 Solid Waste Processing Facilities have obtained authorisation. (Manpuri, Etawah, Prayagraj)					
5	A Summary Statement on progress made by local body in respect of solid waste management	There are 15 MSW processing facilities functional with cumulative treatment capacity of 5395 TPD.					
		Prayagraj 600 TPD	Barabanki 30 TPD	Etawah 75 TPD	Kannauj 25 TPD	Mainpuri 30 TPD	Pilkhua 45 TPD
		Muzaffar Nagar 120 TPD	Raebareli 70 TPD	Aligarh 220 TPD	Lucknow 1300 TPD	Varanasi 600 TPD	Kanpur 1500 TPD
		Agra 300 TPD	Moradabad 300TPD	Mathura 180TPD	-	-	-
6	A Summary Statement on progress made by local bodies in respect of waste collection,	<ul style="list-style-type: none"> Total Solid Waste Generation is 14468 TPD. The quantity of collected Solid Waste is 13955 TPD (96.5%). Total no. of wards are 12022 and Door to Door collection is done in 11801 Wards (98.2%). There are 15 MSW processing facilities functional with cumulative treatment capacity of 5395 TPD. 					


Amit Chandra
Chief Environmental Officer
U.P. Pollution Control Board,
Lucknow



segregation,
transportation
and disposal

- All the 17 Nagar Nigam have Vehicle Tracking System (VTS) installed and GPS in enabled vehicles are being used.
- At present 582 ULBs have identified and allotted lands for setting up of processing and disposal facilities for Solid Waste Managements
- Land has been identified and availability of land exists for solid waste processing facilities in all the ULBs that have population above one Lac, however in ULBs less than one lac population nearly 70 % of 652 ULBs in the State have identified suitable land.
- The State Level High Power Steering Committee has approved a comprehensive strategy for setting of processing facilities in all ULBs in de-centralized manner for creating composting of wet waste and material recovery facility for Dry Waste.
- State has formulated and issued Uttar Pradesh Solid Waste Management Policy, vide Order No. 2221/Nine-5-18-352SA/2016 dated 29-06-2018.
- In Compliance of Rule 23 of SWM Rules 2016, State Government has constituted State Level Advisory Body (SLAB) vide Order No:87/Nine-5-2017-352SA/2016 dated 17-01-2017.
- State has constituted Special Task Force having Three Members, One each nominated by District Magistrate, Superintendent of Police, Regional Officer of the State Pollution Control Boards in concerned Districts and one person to be nominated by the Chairman of the District Legal Services Authority (DLSA) for awareness about the SWM Rules, 2016.
- All the 652 ULBs of the State have been certified by QCI as Open Defecation Free (ODF), 413 ULBs have been certified as ODF+ and 17 as ODF++.
- For effective management of MSW, the State has been making consistent efforts in the recent past. In the year 2019 Swachh Sarvekshan (SS), State of Uttar Pradesh was ranked at 18th position, whereas in the survey conducted SS 2019, Uttar Pradesh was ranked at 10th position and in the survey of SS 2020, Uttar Pradesh was ranked at 7th position.

• **Legacy Waste Treatment :**

S.N.	City	Quantity	Status
1.	Noida-Sector 54	1.0 Lakh Ton	Completed
2.	Prayagraj	0.1 Lakh Ton	Completed
3.	Meerut	3.0 Lakh Ton	Completed
4.	Noida Sector-145	2.77 Lakh Ton	1.02 Lakh Ton remediated. Remaining 1.75 Lakh Ton under process.
5.	Agra	8 Lakh Ton	5 Lakh Ton waste remediated. Project completion by December 2020
6.	Mathura	0.11 Lakh Ton	Completed


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- The RFP has already been floated for 10 towns. Project completion by March, 2021. Details as below :

S.No.	Name of City	Site	Area of Site (Acre)	Quantity of Legacy Waste (LakhTon)
1.	Kanpur	Processing Unit Site	45	1.5
2.	Prayagraj	Baswar	35	5
3.	Ghaziabad	Pratap Vihar	14	2.5
4.	Bareilly	Bakarganj	21	5
5.	Aligarh	Mathura - Sasani Gate Road	25	0.6
6.	Lucknow	Ghaila	14	4
7.	Mathura	Nagala Kolu	25	1
8.	Lalitpur	Ram Nagar	4	2
9.	Moradabad	Processing Unit Site	30	2.5
10.	Agra	Kuberpur	25	2
Total				26.1

Timeline for remediation of all Legacy Waste in the State is 2 years.

• Solid Waste Disposal in Ghaziabad

- As part of Swachh Bharat Mission, Ghaziabad Nagar Nigam (GNN) has planned to setup Material Recovery Facilities (IT Enabled) at the following four locations in Ghaziabad-


Solid Waste Disposal in Noida

- AG Enviro Infra Projects Pvt. Limited is engaged by Noida Authority for door to door Collection of waste and segregation at source.
- The waste is brought to 21 Compactor locations in Noida.
- Two MRF plants of 5 TPD and 10 TPD are functional in Sector 119 & Sector 80 respectively.
- 155 bio-compost pits are used for disposing horticulture waste through composting-cum-gardening approach.
- De-centralised waste processing at 8-10 TPD in 83 RWAs, 129 high rise buildings and 24 hotel and restaurants are functional.
- No MSW dump site burning is observed in Sector 145 Noida.
- 01 Horticulture Waste Burning case was found in Sector 54 Noida in Nov 2020 and Rs 25000/- penalty has been recommended by UPPCB to Noida Authority. Also FIR has been lodged by Authority.

Sihani	200 TPD
Hindon Vihar	300 TPD
Indirapuram	700 TPD
Govindpuram	300 TPD

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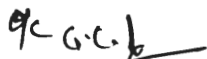
		<ul style="list-style-type: none"> ➤ The entire MSW (or garbage) generated in the city of Ghaziabad shall be collected and transported to the respective MRF only. ➤ At the MRF, the garbage will be segregated using mechanized segregators and further segregated using integration of rag pickers to provide them better opportunities for alleviation of their livelihoods. ➤ The dry waste will be segregated into various fractions like plastic, paper, cloth, metal, glass etc. and the wet waste shall be converted into organic manure. ➤ The recyclable waste shall be sent to authorized recycling centres and non-recyclable waste (also known as RDF) shall be consumed in Cement Factories or Waste to Energy facilities or Local industrial units as feasible. ➤ Timeline for implementation of above Solid Waste management plan in Ghaziabad is March, 2021.
7	A Summary Statement on progress made by local bodies in respect of implementation of Schedule II	<ul style="list-style-type: none"> ➤ 15 MSW Plant (Waste to Compost) are Functional in U.P. with handling capacity of 5395 TPD. ➤ 98% of Solid Waste is being collected. ➤ 98.2% of Door to Door Collection of Solid Waste is being practised. ➤ The State Level High Power Steering Committee has approved a comprehensive strategy for setting of processing facilities in all ULBs in de-centralized manner for creating composting of wet waste and material recovery facility for Dry Waste. ➤ Lucknow, Mathura, Varanasi (The work is being done to develop model cities) ➤ Niwari, Shikohabad and Budhana (The work is being done to develop model towns) ➤ 225 Gram Panchayats selected as Model Gram Panchayats in 75 Districts (03 in each District). ➤ 107871 Compost pits made. 10838 Gram Panchayats made Solid Waste Free including 225 Model Gram Panchayats selected as model out of total 58755 Gram Panchayats. ➤ 92077 Compost Pits are under construction. ➤ The State Government has constituted a dedicated cell under Mission Director SBM (Urban). The cell has hired dedicated human resource Divisional Managers on outsource basis (with professional qualifications like MBA/B.Tech. etc) to strengthen the professional efficiency of ULBs. A District Programme Manager, a District Coordinator and a Computer Operator has been posted in each of the 75 districts through placement agencies. ➤ Prosecution proposed by UPPCB under section 16 of Environment (Protection) Act, 1986 against ➤ Nagar Nigam - Lucknow, Gorakhpur, Bareilly, Moradabad, Varanasi. ➤ Nagar Palika Parishad - Fatehpur, Chunar, Mirzapur, Sambhal, Rampur, Bhadohi, Behraich, Gonda, Ambedkar nagar. ➤ In compliance of the directions passed by Hon'ble National Green Tribunal dated 10-01-2020, Uttar Pradesh Pollution Control Board has issued Show Cause Notice dated 07-07-2020 under Section 5 of Environment (Protection) Act, 1986 to Director, Local Bodies Uttar Pradesh for imposition of


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 U.P. Pollution Control Board,
 Lucknow



		<p>Environmental Compensation on Urban Local Bodies due to default of Rule 22 Solid Waste Management Rules, 2016.</p> <p>➤ In compliance of the directions passed by Hon'ble National Green Tribunal dated 10-01-2020, Uttar Pradesh Pollution Control Board has issued Show Cause Notice dated 07-07-2020 under Section 5 of Environment (Protection) Act, 1986 to Director, Local Bodies Uttar Pradesh for imposition of Environmental Compensation on Urban Local Bodies for not initiating the disposal of Legacy Waste by Remediation.</p>
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Date : 18.2.21
Place : Lucknow


Member Secretary
U.P. Pollution Control Board


PART-B

Towns/Cities				
Total number of towns/cities		75 District		
Total number of ULBs		652 (Nagar Nigam-17, Nagar Palika Parishad-198, Nagar Panchayat-437)		
Number of class I & II cities/towns		Class1 cities =63 Class2 cities= 56		
Authorisation status (name/number)				
Number of application received		03 Solid Waste Processing Facilities have obtained authorisation. (Manpuri, Etawah, Prayagraj)		
Number of authorisations granted		03 Solid Waste Processing Facilities have obtained authorisation. (Manpuri, Etawah, Prayagraj)		
Authorisation under scrutiny		0		
SOILD WASTE Generation status				
Solid waste Generation status (TPD)		14468		
Collected		13955		
Treated		5395		
landfilled		0		
Compliance to Schedule I of SW Rules (Number/name of towns/capacity)				
Good practices in cities/towns		Partially Complied		
House-to-house collection		Approx 98%		
Segregation		Partially Complied		
Storage		Partially Complied		
Covered transportation		Partially Complied		
Processing of SW (Number/name of towns/capacity)				
Solid Waste processing facilities setup:				
Sl.No	Composting	Vermi-Composting	Biogas	RDF/Pelletization
1-	Prayagraj, Etawah, Kannauj, Mainpuri, Lucknow, Pilkhuwa, Raebareli, Muzaffar nagar, Aligarh, Varanasi, Kanpur, Agra, Moradabad, Mathura	-	-	Barabanki (2.5 MW Waste to Energy) Meerut (1.5 MW Waste to Energy)
Processing facility operational:				
Sl.No	Composting	Vermi-Composting	Biogas	RDF/Pelletization
1-	Prayagraj, Etawah, Kannauj, Mainpuri, Lucknow, Pilkhuwa, Raebareli, Muzaffar nagar, Aligarh, Varanasi, Kanpur, Agra, Moradabad, Mathura	-	-	Barabanki (2.5 MW Waste to Energy)

Processing facility under installation/planned: Non-functional					
Sl.No	Waste to Compost		Vermi-Composting	Biogas	RDF/Pelletization
1-	Existing SWM processing Facilities	15 Plants with 5,395 TPD	-	-	1- Lucknow
	Plants to be made operational by 31.03.2021	02 Plants with 115 TPD (Jaunpur & Fatehpur)			
	Plants to be made operational by 31.03.2021 (Arbitration complete)	07 Plants with 860 TPD (Sambhal, Badaun, Mirzapur, Balia, Rampur, Jhansi & Meerut)			
	Plants under land dispute to be resolved and commissioned	08 Plants with 930 TPD(Bareilly, Firozabad, Loni, Nazibabad, Bhadohi, Basti, Gorakhpur, Akbarpur)			
	New plants sanctioned to be completed by March. 2021	37 Plants with 3,170 TPD			
Waste-to-Energy Plants: (Number/name of towns/capacity)					
Sl.No	Plant Location		Status of operation	Power generation (MW)	Remarks
1	Barabanki		Operational	2.5	
2	Meerut		Operational	2.5	
Disposal of Solid Waste (number/names of towns/capacity):					
Landfill site identified				82 (List attached)	
Landfill under construction				02	
Landfill in operation				86 (List attached)	
Landfill exhausted				01	
Landfilled capped				-	
Solid Waste Dumpsites (number/names of towns/capacity)					
Total number of existing dumpsites				609 (List attached)	
Dumpsites reclaimed/capped				01	
Dumpsites converted to sanitary landfill				0	

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Monitoring at Waste processing/Landfills sites				
S.No.	Name of facilities	Ambient air	Groundwater	Leachate quality
1	Lucknow-Ghaila Ghat dumping station	Date : 04-03-2019 SO ₂ 8.65 µg/m ³ , NO ₂ 20.79 µg/m ³ , PM10 187.62 µg/m ³	-	-
2	Lucknow- 50 mtr before Ghaila Ghat dumping station	Date : 04-03-2019 SO ₂ 9.61 µg/m ³ , NO ₂ 19.35 µg/m ³ , PM10 265.11 µg/m ³	-	-
3	Lucknow- 50 mtr after Ghaila Ghat dumping station	Date : 04-03-2019 SO ₂ 9.73 µg/m ³ , NO ₂ 23.22 µg/m ³ , PM10 238.84 µg/m ³	-	-
4	Ghaziabad - MSW landfill site (old) Pratap vihar	Date : 14-06-2019 SO ₂ 26 µg/m ³ , NO ₂ 48 µg/m ³ , PM10 278 µg/m ³	-	-
5	Greater Noida - Borewell of Pawan Golden transport, near Surajpur, Kotwali (Near-Lakhnawali dump site)	-	Date : 27-06-2019 pH 8.2 TDS 720 mg/l Total hardness 40 mg/l Fluoride 0.65 mg/l Sulphate 76.4 mg/l Alkalinity 408 mg/l Iron 0.256 mg/l Zinc 0.0848 mg/l	-
6	Greater Noida - Borewell of CISF, (Near-Lakhnawali dump site)	-	Date : 27-06-2019 pH 8.27 TDS 580 mg/l Total hardness 47 mg/l Fluoride 0.66 mg/l Sulphate 63.6 mg/l Alkalinity 392 mg/l	-

			Iron 0.0812 mg/l Zinc BDL.	
7	Agra- Kuberpur Landfill site	-	Date : 04-07- 2019 pH 7.58 TDS 2142 mg/l Total hardness 1120 mg/l Chloride 393 mg/l	-
Status of Action Plan prepared by Municipalities				
Total number of municipalities		652 (Nagar Nigam-17, Nagar Palika Parishad- 198, Nagar Panchayat-437)		
Number of Action Plan submitted:		<p>The Urban Development Department, Uttar Pradesh has taken following steps for the compliance of Solid Waste Management Rules, 2016:</p> <ul style="list-style-type: none"> • State has formulated and issued Uttar Pradesh Solid Waste Management Policy, vide Order No. 2221/Nine-5-18-352SA/2016 dated 29-06-2018. • In Compliance of Rule 23 of SWM Rules 2016, State Government has constituted State Level Advisory Body (SLAB) vide Order No:87/Nine-5-2017-352SA/2016 dated 17-01-2017. • State has constituted Special Task Force having Three Members, One each nominated by District Magistrate, Superintendent of Police, Regional Officer of the State Pollution Control Boards in concerned Districts and one person to be nominated by the Chairman of the District Legal Services Authority (DLSA) for awareness about the SWM Rules, 2016. • For effective monitoring and use of IT application regarding bio-metric attendance and vehicle tracking system, the initiative has been taken in most of the corporations in the State. At present, All 17 Nagar Nigams, are enabled with Vehicle Tracking System (VTS) application in vehicles. • The State Level High Power Committee has approved a comprehensive strategy for setting of processing facilities in all ULBs in decentralized manner for creating composting of wet waste and material recovery facility of Dry Waste. 		
