



**HEAD OFFICE**  
**CHHATTISGARH ENVIRONMENT CONSERVATION BOARD**  
**PARYAWAS BHAWAN, SECTOR- 19**  
**NAVA RAIPUR ATAL NAGAR, RAIPUR (C.G.)**  
**Email - hocecb@gmail.com**

No.4777 / TECH / H.O. / CECB / 2025  
To,

Raipur, Dated: 29/7 / 2025

**Member Secretary,**  
Central Pollution Control Board,  
'Parivesh Bhawan' C.B.D.Cum-Office Complex,  
East Arjun Nagar, Shahdara,  
**Delhi - 110 032**

Sub. :- Annual report for the year 2024-25 on Solid Waste Management Rules, 2016 reg.

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With reference to the above subject, Annual report for the year 2024-25 on Solid Waste Management Rules, 2016 is enclosed in prescribed format.

Enclosed :- As above.

*Member Secretary*  
**Member Secretary**

*dh* Chhattisgarh Environment Conservation Board  
Nava Raipur Atal Nagar, Raipur (C.G.)

**FORM- V****Chhattisgarh Environment Conservation Board, Raipur  
Solid Waste Management Rules, 2016 Annual Report Year 2024-25****PART- A**

1.	Name of the State/Union territory	:	Chhattisgarh
2.	Name & address of the State Pollution Control Board	:	Chhattisgarh Environment Conservation Board, Paryawas Bhawan, North Block, Sector – 19, Nava Raipur Atal Nagar, Dist.–Raipur (C. G.)
3.	Number of local bodies responsible for management of solid waste in the State/Union territory under these rules	:	Total ULBs: 192 Municipal Corporation: 14 Municipal Councils: 55 Nagar Panchayats: 123 (23 ULBs are newly notified)
4.	No. of authorisation application Received	:	2
5.	Summary Statement on progress made by local bodies in respect of solid waste management	:	Attached as <b>Annexure-I</b>
6.	Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal	:	Attached as <b>Annexure-II</b>
7.	summary statement on progress made by local bodies in respect of implementation of Schedule II	:	<ul style="list-style-type: none"><li>• 167 Municipal Authorities have Garbage Clinic (Solid Liquid Resource Management Centers) for secondary segregation of MSW and all 169 Municipal Authorities are operating their own composting plant.</li><li>• Municipal Corporation, Bilaspur has obtained Consent to Operate on 06/03/2019 for Waste to RDF plant.</li><li>• Municipal Corporation, Raipur has obtained Consent to Operate on 11/06/2020 for Waste to RDF plant.</li><li>• In last 06 months the gap in waste generation and processing of existing 169 ULBs, has been reduced from 110 TPD to 80 TPD. However, the 23 newly notified ULBs are generating 55 TPD of unprocessed Municipal Solid Waste, therefore, the current overall</li></ul>

gap in MSW generation and processing is 135 TPD. The proposed timeline (by UAD) to address this gap in MSW generation and processing is November, 2026.

- ULB wise MSW management action plan has been prepared by UAD and an amount of Rs. 230.48 crore has been allocated for setting up MSW management facilities in 23 newly found ULBs and strengthening & mechanizing of existing MRFs and construction of all-weather condition windrow composting sheds.

## PART- B

### Towns/cities:

Total number of towns/cities	:	192
Total number of ULBs	:	192
		As per the Census of
		India, 2011 :
Number of class I & class II cities/towns	:	class I towns - 10
		class II towns - 05

### Authorisation status (Names/Number):

Number of applications received	:	2
Number of authorisations granted	:	2
Authorisations under scrutiny	:	0

### Solid Waste Generation status:

Solid waste generation in the state (TPD)	:	2525
Collected (TPD)	:	2390
Treated (TPD)	:	2390
Landfilled (TPD)	:	421
Gap in waste generation & processing	:	135

### Compliance to Schedule I of SW Rules (Number /Names of towns /Capacity):

Good practices in cities/towns	:	169
House-to-house collection	:	169
Segregation	:	169
Storage	:	169
Covered transportation	:	169

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

#### Solid Waste processing facilities setup:

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	375	0	0	2

#### Processing facility operational

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	375	0	0	2

#### Processing facility under installation/planned:

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	0	0	0	0

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

SR. No.	Plant Location	Status of operation	Power generation (MW)	Remarks
Nil	Nil	Nil	Nil	Nil

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

Landfill sites identified	:	2
Landfill constructed	:	2
Landfill under construction	:	0
Landfill in operation	:	2
Landfill exhausted	:	0
Landfill capped	:	0

**Solid Waste Dumpsites (Number/Names of towns/Capacity):**

Total number of existing dumpsites	:	162 (7 identified earlier and 155 newly identified dumpsites in compliance to the direction of Hon'ble NGT dated 28.11.2024, in the matter of O.A. No. 606/2018)
Dumpsites reclaimed/capped	:	5
Dumpsites converted to sanitary landfill	:	0

**Monitoring at Waste processing/Landfills sites:(frequency of monitoring in 2024-25)**

Name of Facilities	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs
ISWM facility at Sakri, District - Raipur	2	2	Nil	Nil	Nil
ISWM facility at Kachhar, District - Bilaspur	Nil	4	Nil	Nil	Nil

**Status of Action Plan prepared by Municipalities:**

Total number of municipalities	:	192
Number of Action Plan submitted	:	192

## ANNEXURE – I

### **Summary Statement on Progress Made By Local Bodies in Respect of Solid Waste Management**

#### For 167 ULBs (Mission Clean City Model):

1. Solid waste management in 167 ULBs of the State is based on the waste management model (Mission Clean City) currently running successfully as per the model of Ambikapur. These Municipal Authorities have collection and transportation facilities for solid waste management. The source segregated MSW is collected by SHG workers by tricycles and Mini tippers. The Municipal solid waste management facilities are effectively managed and planned to comply the provision of the Solid Waste Management Rule, 2016.
2. These 167 Municipal Authorities have Garbage Clinic (Solid Liquid Resource Management Centers) for secondary segregation of MSW and also these 167 Municipal Authorities are operating their own composting plant.

#### For 2 ULBs (Raipur, Bilaspur- integrated solid waste management systems)

3. Municipal Corporation, Bilaspur has obtained Consent to Operate on 06/03/2019 for operation of Waste to RDF plant. The plant is in operation.
4. Municipal Corporation, Raipur has obtained Consent to Operate on 11/06/2020 for operation of Waste to RDF plant. The plant is in operation.

## ANNEXURE-II

### Summary Statement on progress made by local bodies in respect of Waste Collection, Segregation, Transportation and Disposal

S.No.	Parameters	Compliance Criteria
1	Collection of Municipal Solid Wastes	All Municipal Authorities have door to door collection facilities. Collection is done through Tricycles and Mini Tippers. Collection system in all municipal authorities are effectively planned and managed to comply with the SWM Rule, 2016.
2	Segregation of Municipal Solid Wastes	All Municipal Authorities have source segregation facilities.
3	Transportation of Municipal Solid Wastes	All Municipal Authorities have segregated transportation facility for municipal solid waste. Transportation is done mainly by Tricycle, Mini tipper in 167 ULBs and by Dumpers in Raipur, Bilaspur.
4	Disposal of Municipal Solid Wastes	167 Municipal Authorities have composting and recycling facilities at Compost shed and Garbage Clinic Centre respectively.

## Status of Compliance of Solid Waste Management Rules, 2016

Sr. No.	Action	Authority	Current Status
1.	<b>Rule 11(1)(a) to 11(1)(d):</b> Preparation and Implementation of State Policy and Solid Waste Management Strategy.	UAD	State Solid Waste Management Policy and Action Plan for Solid Waste Management have been prepared by UAD and all 192 ULBs in the State have been directed to adopt the same, which broadly covers all the mandates of SWM Rules, 2016. Further, timely monitoring is being done using MIS database and regular follow-ups to make effective implementation of the plan and policy.
2.	<b>Rule 11 (1)(e):</b> Direct the town planning department of the State to ensure the provision for setting up of solid waste processing and disposal facilities in the master plan of every city in the State.	UAD / Town and Country Planning	Provision for setting up of solid waste processing and disposal facilities has been incorporated in the Master Plans of Town and Country Planning department in accordance with the directions of UAD.
3.	<b>Rule 11(1)(f):</b> Identification and Allocation of Suitable Land for setting-up processing and disposal facilities for solid waste.	UAD	In all 169 ULBs of the State, suitable lands for setting up SLRM centres and composting plants have already been identified and provided to ULBs by involving respective District Collectors and Revenue Departments.
4.	<b>Rule 11(1)(g):</b> To direct Town and Country Planning Department and local bodies to ensure that separate space for segregation storage and processing of solid waste is demarcated in development plan for group housing or commercial or any other non-residential complex exceeding 200 dwelling or having a plot exceeding 500 square meter.	UAD / Town and Country Planning	UAD has directed Town and Country Planning Department to ensure and demarcate separate space for segregation, storage and processing of solid waste in development plan for group housing or commercial or any other non residential complex exceeding 200 dwelling or having a plot exceeding 500 square meter and necessary steps are being taken in this regard by Department of Town and Country Planning.

5.	<b>Rule 11(1)(h):</b> To direct the developers of SEZ, Industrial Estate, Industrial park to earmark at-least five percent of the total area of the plot or minimum five plots or sheds for recovery and recycling facility.	UAD	As per CSIDC, 5% of the total area of the plot or minimum five plots or sheds for recovery and recycling facility shall be earmarked in new industrial parks, industrial estates, SEZs etc. in future. Presently, the solid waste generated in the industrial areas is being disposed off through ULBs in which the said industrial area is located or through the nearest ULB, as the case maybe by signing the agreement between industry and ULB.
6.	<b>Rule 11(1)(i):</b> Facilitate establishment of common regional sanitary landfill.	UAD	The 167 ULBs of the State follow the MCC (Mission Clean City Model of Ambikapur) model which incorporates maximum utilization of waste by recycling of the dry fraction and composting of wet fraction. Thus, it eliminates the need of landfills for disposing rejects. In Bilaspur Municipal Corporation Sanitary Landfill has been commissioned on 06/03/2019. Construction of Sanitary Landfill is completed in Raipur and CECB has issued Consent to Operate for the same on 11/06/2020.
7.	<b>Rule 11(1)(j):</b> To arrange for capacity building of local bodies in managing solid waste, segregation and transportation or Processing of such waste at source.	UAD	Training, workshops, seminar etc. for the ULB staffs are being conducted by UAD time to time to enhance their technical expertise in waste management. Visits have also been made to other successful waste management models, like Indore and Ambikapur for capacity building in waste segregation and recycling. For management of solid waste cluster level Project Implementation Units (PIUs) and State level Project Management Units (PMUs) are working.
8.	<b>Rule 11(1)(k):</b> To notify buffer zone for the solid waste processing and disposal facility of more than 05 tonnes/day in consultation with CECB.	UAD	Raipur Municipal Corporation has notified the buffer zone on 09/07/2019 and Bilaspur Municipal Corporation has notified the buffer zone on 10/07/2019 for the solid waste processing and disposal facilities of capacity more than 05 TPD (at Raipur (Sakri) and Bilaspur (Kachhar) respectively).

	<b>Rule 11(1)(I):</b> To start a scheme on registration of waste pickers and waste dealers.	UAD	Registration of the waste pickers has already done under MCC scheme. Every year survey of waste pickers has been conducted by ULBs to identify new waste pickers.
10.	<b>Rule 12:</b> To review performance of local bodies' at-least once in a quarter and to give appropriate direction for taking corrective measures.	Collector	District Collectors are reviewing the performance of ULBs. Latest review meeting was held under the chairmanship of Secretary UAD on 12/05/2025.
11.	<b>Rule 15(a):</b> Preparation of Solid Waste Management Plan and submission to State Government.	Local Bodies	The Mission Clean City Guidebook (Plan and Strategy) for 167 ULBs have been prepared. The strategy has been approved and issued for implementation on 07/09/2016.
12.	<b>Rule 15(b):</b> Arrange Door to Door Collection	Local Bodies	Out of 169 ULBs, approximately 96.8% door-to-door collection is achieved in 169 ULBs.
13.	<b>Rule 15(e):</b> Frame Bye-laws	Local Bodies	The necessary bye laws have been framed and notified on Chhattisgarh gazette. The same has also sent to ULBs for the approval from PIC/MIC and its publication on ULB level for its timely implementation.
14.	<b>Rule 15(f):</b> Collection of user fee from waste generators	Local Bodies	User fee is collected from waste generators by the ULBs with respect to the notified SWM bye-laws.
15.	<b>Rule 15(g):</b> Direct waste generators not to litter	Local Bodies	SWM bye-laws for collection of fine have been notified for Municipal Corporation, Municipal Council/ Nagar Panchayat on 28/01/2019 and necessary directions have been sent continuously to the waste generators not to litter. IEC campaigns have been conducted on regular basis across all ULBs for the same.

16.	<b>Rule 15(h):</b> Set-up material recovery facility / secondary storage facility.	Local Bodies	Under MCC, 167 ULBs is collecting segregated waste separately in wet and dry fractions through two bin system (Green and Blue) and transport the same on daily basis in compartmentalized tricycles and mini tippers. The dry fraction is being segregated at SLRM centres in to various usable fractions and sold to waste recyclers. The wet fraction is being converted into compost. The detailed guidelines for the same have been provided to 167 ULBs under MCC. In Bilaspur and Raipur, the waste is daily collected and transported to Integrated Solid Waste Processing Facility.
17.	<b>Rule 15(i):</b> Set-up deposition centers for deposition of domestic hazardous waste.	Local Bodies	The domestic hazardous waste is being collected separately in a black bag or in separate compartment in the tricycles and stored temporarily in the SLRM Centres.
18.	<b>Rule 15(j):</b> Safe storage and transportation of domestic hazardous waste.	Local Bodies	The domestic hazardous waste is collected and stored safely at the SLRM centres and ULBs are directed to follow the CPCB guideline for the same.
19.	<b>Rule 15(k):</b> Street sweepers not to burn tree leaves.	Local Bodies	Notification to penalize open burning has been issued by UAD. It is also included in SWM bye-laws for collection of fine (Municipal Corporation, Municipal Council/ Nagar Panchayat) on 28/01/2019. Necessary direction has also been given to street sweepers not to burn tree leaves collected from street sweeping and store them separately and handover to the waste collectors.
20.	<b>Rule 15(l):</b> Training to waste-pickers.	Local Bodies	Necessary trainings are being organized time to time under MCC scheme.
21.	<b>Rule 15(m):</b> Setting-up of decentralized compost plant / bio-methanation plant in markets.	Local Bodies	The organic waste is being separately collected from each type of establishment and being processed in respective composting plants near the market areas. However, to promote decentralized plants for the treatment of organic/wet fraction, necessary guidelines have been issued for bulk waste generators (BWGs). The BWGs in the ULBs are complying with the same.

22.	<b>Rule 15(n):</b> Collect waste from sweeping of streets.	Local Bodies	All public and commercial areas are being swept twice daily, including night sweeping and residential areas are being swept once in a day and the street sweeping waste is being disposed in scientific manner. This is being done by every ULB through departmental sweepers. Necessary logs for the same are also being maintained.
23.	<b>Rule 15(o):</b> Set-up secondary storage facility for street sweeping and silt removal from drains.	Local Bodies	The street sweepings and silt removed from drain cleanings are being collected directly by suitable vehicles. In case where direct collection is not convenient, these wastes are temporarily stored at processing facilities.
24.	<b>Rule 15(p):</b> Collect horticulture and garden waste.	Local Bodies	Necessary directions regarding creating compost pits in the parks and garden has been issued by the department during Swachh Survekshan 2018, 2019, 2020, 2021, 2022, 2023, 2024 and 2025. Every ULB is adopting the same. The garden and park waste is being processed at the onsite compost pit.
25.	<b>Rule 15(q):</b> Transport segregated Bio-degradable waste to processing facilities.	Local Bodies	The bio-degradable/wet fraction is being transported in covered and partitioned vehicles to the designated composting facilities in 169 ULBs for its conversion into compost.
26.	<b>Rule 15(r):</b> Transport segregated Non-Biodegradable waste to processing facilities.	Local Bodies	The non-biodegradable/dry fraction is being taken to the waste processing facilities in 169 ULBs for its segregation and recycling. The recyclables are being sold to waste recyclers and the Non-Biodegradable combustible waste is being stored separately and is being sold as alternate fuel and raw material (AFR) to cement plants in the State.
27.	<b>Rule 15(s):</b> Transport C&D waste as per C&D rules.	Local Bodies	The C&D waste has been transported in covered vehicles to the C&D waste processing facility of the ULB. Further, C&D waste management policy for Chhattisgarh State has been notified by the UAD on 15/09/2017. SOP on C&D waste management is notified on 04/12/2018 and necessary directions have also been sent to the ULBs to implement the same.

28.	<b>Rule 15(t):</b> Promotion of home composting	Local Bodies	Various IEC activities have been carried out in the State under SBM and recent Swachh Survekshan 2018, 2019, 2020, 2021, 2022, 2023, 2024 and 2025 for involvement of communities in waste management and home composting. Home composting manual is also shared with the ULBs to promote home composting. Ambikapur home composting model "Bali vaishya" has been awarded in the Innovation Category of Swachh Survekshyan 2019.
29.	<b>Rule 15(u):</b> Phase-out of chemical fertilizers.	Local Bodies	Use of chemical fertilizer is eliminated in ULB works. Necessary letter has been sent for the same. Amendment in Pushp-vatika Yojana also done for promoting garden composting. Regarding incentivizing informal waste recycling sector, the same has been integrated and being incentivized within the formal waste management system under MCC scheme.
30.	<b>Rule 15(v):</b> Adoption of Bio-methanization and waste to energy processing.	Local Bodies	Two ULBs (Raipur and Bilaspur) have Integrated Solid Waste Management facilities of capacity more than 05 TPD, which is based on Waste to RDF and composting with Landfill. Both Raipur and Bilaspur have already established Waste to RDF Plant and it is in operation.
31.	<b>Rule 15(w):</b> Operate and maintain sanitary landfill for residual wastes.	Local Bodies	The state follows MCC (Mission Clean City Model of Ambikapur) which does not require sanitary landfill as 100% of waste is recycled. The waste management approach of MCC (Mission Clean City Model of Ambikapur) in ULBs of Chhattisgarh incorporate maximum utilization of waste and minimize the rejects generation, thus eliminating the need of the landfills for disposing rejects. Municipal Corporations Bilaspur has constructed cell-wise sanitary landfill as per Schedule 1 of SWM rules, 2016 for disposal of residual wastes. The sanitary landfill site is operational. Construction of Sanitary Landfill is completed in Raipur and is operational.

32.	<b>Rule 15(x):</b> Funds and Annual Budget	Local Bodies	Necessary directions have been sent to each ULB for proper budget allocation for capital investments and O&M of solid waste management services in the annual budget and its optimum utilization to ensure that funds for discretionary functions of the local body will be allocated only after meeting the requirement of necessary funds for solid waste management.
33.	<b>Rule 15(y) and Rule 15(z):</b> Authorization from CECB for waste processing unit and sanitary landfill.	Local Bodies	For Bilaspur, Consent to Establish had been obtained on 23/11/2017. Construction of Processing Plant and SLF is completed. The Consent to Operate has been obtained on 06/03/2019 and authorization for the waste processing facility has been obtained on 27/06/2019. For Raipur, Environment Clearance has been obtained on 06/08/2016 for setting up of processing and disposal facility at Village-Sakri and CTE obtained on 26/11/2018. The Consent to Operate has been obtained on 11/06/2020 and authorization for the waste processing facility has been obtained on 27.05.2021.
34.	<b>Rule 15(zc):</b> Educate supervisors of door-to-door collection to collect unmixed waste.	Local Bodies	Necessary trainings are being organized time to time under MCC scheme.
35.	<b>Rule 15(zd):</b> Provide protection like uniform, hand-gloves, mask etc. to workers of processing facility.	Local Bodies	All type of PPEs have been provided by the every ULB to their respective SHG women and Sanitation workers for ensuring their safety and hygiene dealing with collection, transportation, processing and disposal of solid waste.
36.	<b>Rule 15(ze):</b> Building plan to include segregation of waste.	UAD / Town and Country Planning	Necessary direction has been issued by UAD to Town & Country Planning Department to ensure provision for setting up of processing facility in layout plan during approval as per Bhumi Vikas Niyam, 1984 and necessary steps are being taken in this regard by Department of Town and Country Planning.
37.	<b>Rule 15(zf):</b> On the spot fine for littering / violation of the rules.	Local Bodies	The necessary bye laws for levying of spot fine for littering of waste etc. have been framed and notified on Chhattisgarh gazette.

38.	<b>Rule 15(zg):</b> Create public awareness.	Local Bodies	Time to time IEC activities for creating public awareness and education to the waste generators are being carried out across the State.
39.	<b>Rule 15(zh):</b> Stop dumping of mixed waste soon after setting-up of sanitary landfill.	Local Bodies	As MCC model is adopted in 167 ULBs, land filling and dumping of mixed waste had been stopped.
40.	<b>Rule 15(zi):</b> Only non-biodegradable waste to go to sanitary landfill.	Local Bodies	In both Raipur and Bilaspur, sanitary landfill has been constructed as per specifications given in Schedule -I and every effort has been made to recycle or reuse the rejects. The non-usable, non-recyclable, non-biodegradable, non-combustible and non-reactive inert waste and pre-processing rejects and residues from waste processing facilities are allowed to go to sanitary landfill.
41.	<b>Rule 15(zj) and (zk):</b> Bio-mine or cap the dump-sites.	Local Bodies	7 old legacy waste dumpsites have been identified earlier in 7 ULBs. Out of which dumpsites in Dhamtari, Raigarh, Korba, Jagdalpur have been completely remediated. In the 5 <sup>th</sup> dumpsite of Durg, 10.38 acre area has been remediated and remediation of rest 1.52 area is under process and will be completed by December, 2025. Remediation of rest 2 sites in Raipur and Rajnandgaon is under process and will be completed by December, 2025. In compliance to the direction of Hon'ble NGT dated 28.11.2024, in the matter of O.A. No. 606/2018, UAD identified 155 new dumpsites, out of which 154 dumpsites will be remediated by December, 2025 and rest 1 dumpsite will be remediated by December, 2027.
42.	<b>Rule 17:</b> To collect the packaging waste generated from manufacturer or brand owners of disposable products and to collect fund from them for the same.	UAD	ULBs are collecting all waste universally from all waste generators.

43.	<b>Rule 19:</b> Solid Waste Processing and treatment facility.	UAD	There are total 169 ULBs in the state out of which 167 ULBs have SLRM centres (based on Ambikapur Model) and remaining 2 ULBs of Raipur and Bilaspur have processing facilities.
44.	<b>Rule 22:</b> Completion of various activities within stipulated time frame such as identification of suitable sites for setting up solid waste processing facilities and sanitary landfill facilities, enforcing wastes generators to practice segregation of various wastes at source, ensuring door to door to collection of segregated wastes and transportation in covered vehicles, ensuring separate storage, collection and transportation of construction and demolition wastes, setting up of solid wastes processing facilities and sanitary landfills by local bodies and bio-remediation or capping of old and abandoned dump sites.	UAD	<p>Suitable lands have been identified and allocated to all 169 ULBs of the State for the solid waste processing facilities.</p> <p>In Chhattisgarh State out of 169 local bodies, 167 ULBs have started solid waste processing and disposal based on Ambikapur Model. Only 02 ULBs namely Raipur and Bilaspur are based on sanitary landfill model along with Integrated Solid Waste Management (ISWM) facility. As on date 375 Material Recovery Facility (MRF) have been commissioned in 167 ULBs.</p> <p>For the remediation of legacy waste, action plan has been prepared as per Sr.No. 41.</p> <p>Raipur Municipal Corporation has notified the buffer zone on 09.07.2019 and Bilaspur Municipal Corporation has notified the buffer zone on 10.07.2019 for the solid waste processing and disposal facilities of capacity more than 05 TPD (at Raipur (Sakri) and Bilaspur (Kachhar) respectively).</p>
45.	<b>Rule 23:</b> Constitution of State level advisory body with Secretary, Urban development department as Chairman and to review matters related to implementation of this rules/state policy.	UAD	State level advisory body has been constituted vide letter dated 17/03/2017 and meeting of State level advisory body held on 08/01/2025, 27/01/2025, 13/02/2025, 28/03/2025 and 12/05/2025. Chief Secretary also took review meeting on dated 27/01/2025.



**HEAD OFFICE**  
**CHHATTISGARH ENVIRONMENT CONSERVATION BOARD**

**PARYAWAS BHAWAN, SECTOR- 19**  
**NAVA RAIPUR ATAL NAGAR, RAIPUR (C.G.)**  
Email - hocecb@gmail.com

No. 7851 / TECH / H.O. / CECB / 2024  
To,

Raipur, Dated: 4/12/2024

✓ **Member Secretary,**  
Central Pollution Control Board,  
'Parivesh Bhawan' C.B.D.Cum-Office Complex,  
East Arjun Nagar, Shahdara,  
**Delhi - 110 032**

Sub. :- Annual report for the year 2023-24 on Solid Waste Management Rules, 2016 reg.

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With reference to the above subject, Annual report for the year 2023-24 on Solid Waste Management Rules, 2016 is enclosed in prescribed format.

Enclosed :- As above.

**Member Secretary**

Chhattisgarh Environment Conservation Board  
Nava Raipur Atal Nagar, Raipur (C.G.)

**FORM- V**  
**Chhattisgarh Environment Conservation Board, Raipur**  
**Solid Waste Management Rules, 2016 Annual Report Year 2023-24**  
**PART- A**

1.	Name of the State/Union territory	:	Chhattisgarh
2.	Name & address of the State Pollution Control Board	:	Chhattisgarh Environment Conservation Board, Paryawas Bhawan; North Block, Sector – 19, Nava Raipur Atal Nagar, Dist.–Raipur (C. G.)
3.	Number of local bodies responsible for management of solid waste in the State/Union territory under these rules	:	Total ULBs: 169 Municipal Corporation: 14 Municipal Councils: 42 Nagar Panchayats: 113
4.	No. of authorisation application Received	:	2
5.	Summary Statement on progress made by local bodies in respect of solid waste management	:	Attached as <b>Annexure-I</b>
6.	Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal	:	Attached as <b>Annexure-II</b>
7.	summary statement on progress made by local bodies in respect of implementation of Schedule II	:	<ul style="list-style-type: none"> <li>• 167 Municipal Authorities have Garbage Clinic (Solid Liquid Resource Management Centers) for secondary segregation of MSW and 169 Municipal Authorities are operating their own composting plant.</li> <li>• Municipal Corporation, Bilaspur has obtained Consent to Operate on 06/03/2019 for Waste to RDF plant.</li> <li>• Municipal Corporation, Raipur has obtained Consent to Operate on 11/06/2020 for Waste to RDF plant.</li> </ul>

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**PART- B**

**Towns/cities:**

Total number of towns/cities	:	169
Total number of ULBs	:	169
Number of class I & class II cities/towns	:	

**Authorisation status (Names/Number):**

Number of applications received	:	2
Number of authorisations granted	:	2
Authorisations under scrutiny	:	0

**Solid Waste Generation status:**

Solid waste generation in the state (TPD)	:	2455
Collected (TPD)	:	2345
Treated (TPD)	:	2345
Landfilled (TPD)	:	441
Gap in waste generation & processing	:	110

**Compliance to Schedule I of SW Rules (Number /Names of towns /Capacity):**

Good practices in cities/towns	:	169
House-to-house collection	:	169
Segregation	:	169
Storage	:	169
Covered transportation	:	169

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

Solid Waste processing facilities setup:

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	565	0	0	2

Processing facility operational

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	565	0	0	2

Processing facility under installation/planned:

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	0	0	0	0

(P)

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

SR. No.	Plant Location	Status of operation	Power generation (MW)	Remarks
Nil	Nil	Nil	Nil	Nil

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

Landfill sites identified	:	2
Landfill constructed	:	2
Landfill under construction	:	0
Landfill in operation	:	2
Landfill exhausted	:	0
Landfill capped	:	0

**Solid Waste Dumpsites (Number/Names of towns/Capacity):**

Total number of existing dumpsites	:	7
Dumpsites reclaimed/capped	:	5
Dumpsites converted to sanitary landfill	:	0

**Monitoring at Waste processing/Landfills sites:**

Name of Facilities	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs
Nil	Nil	Nil	Nil	Nil	Nil

**Status of Action Plan prepared by Municipalities:**

Total number of municipalities	:	169
Number of Action Plan submitted	:	169

*(Handwritten mark)*

## ANNEXURE – I

### **Summary Statement on Progress Made By Local Bodies in Respect of Solid Waste Management**

#### For 168 ULBs (Mission Clean City Model):

1. Solid waste management in 167 ULBs of the State is based on the waste management model (Mission Clean City) currently running successfully in Ambikapur model. These Municipal Authorities have collection and transportation facilities for solid waste management. The source segregated MSW is collected by SHG workers by tricycles and Mini tippers. The Municipal solid waste management facilities are effectively managed and planned to comply the provision of the Solid Waste Management Rule, 2016.
2. These 167 Municipal Authorities have Garbage Clinic (Solid Liquid Resource Management Centers) for secondary segregation of MSW and also these 167 Municipal Authorities are operating their own composting plant.

#### For 2 ULBs (Raipur, Bilaspur- integrated solid waste management systems)

3. Municipal Corporation, Bilaspur has obtained Consent to Operate on 06/03/2019 for operation of Waste to RDF plant. The plant is in operation.
4. Municipal Corporation, Raipur has obtained Consent to Operate on 11/06/2020 for operation of Waste to RDF plant. The plant is in operation.

①

## ANNEXURE-II

### **Summary Statement on progress made by local bodies in respect of Waste Collection, Segregation, Transportation and Disposal**

S.No.	Parameters	Compliance Criteria
1	Collection of Municipal Solid Wastes	All Municipal Authorities have door to door collection facilities. Collection is done through Tricycles and Mini Tippers. Collection system in all municipal authorities are effectively planned and managed to comply with the SWM Rule, 2016.
2	Segregation of Municipal Solid Wastes	All Municipal Authorities have source segregation facilities.
3	Transportation of Municipal Solid Wastes	All Municipal Authorities have segregated transportation facility for municipal solid waste. Transportation is done mainly by Tricycle, Mini tipper in 167 ULBs and by Dumpers in Raipur, Bilaspur.
4	Disposal of Municipal Solid Wastes	167 Municipal Authorities have composting and recycling facilities at Compost shed and Garbage Clinic Centre respectively.

(2)

## Status of Compliance of Solid Waste Management Rules, 2016

Sr. No.	Action	Authority	Current Status
1.	<b>Rule 11(1)(a) to 11(1)(d):</b> Preparation and Implementation of State Policy and Solid Waste Management Strategy.	UAD	State Solid Waste Management Policy and Action Plan for Solid Waste Management have been prepared by UAD and all 169 ULBs in the State have been directed to adopt the same, which broadly covers all the mandates of SWM Rules, 2016. Further, timely monitoring is being done using MIS database and regular follow-ups to make effective implementation of the plan and policy.
2.	<b>Rule 11 (1)(e):</b> Direct the town planning department of the State to ensure the provision for setting up of solid waste processing and disposal facilities in the master plan of every city in the State.	UAD / Town and Country Planning	Out of the 34 Master Plans provision for solid waste management have already been made in 28 Master Plans.
3.	<b>Rule 11(1)(f):</b> Identification and Allocation of Suitable Land for setting-up processing and disposal facilities for solid waste.	UAD	In all 169 ULBs of the State, suitable lands for setting up SLRM centres and composting plants have already been identified and provided to ULBs by involving respective District Collectors and Revenue Departments.
4.	<b>Rule 11(1)(g):</b> To direct Town and Country Planning Department and local bodies to ensure that separate space for segregation storage and processing of solid waste is demarcated in development plan for group housing or commercial or any other non-residential complex exceeding 200 dwelling or having a plot are exceeding 500 square meter.	UAD / Town and Country Planning	UAD has directed Town and Country Planning Department to ensure and demarcate separate space for segregation, storage and processing of solid waste in development plan for group housing or commercial or any other non residential complex exceeding 200 dwelling or having a plot exceeding 500 square meter and necessary steps are being taken in this regard by Department of Town and Country Planning.

(u)

5.	<b>Rule 11(1)(h):</b> To direct the developers of SEZ, Industrial Estate, Industrial park to earmark at-least five percent of the total area of the plot or minimum five plots or sheds for recovery and recycling facility.	UAD	Presently, there is no vacant space in the existing industrial area of the state. As per CSIDC, 5% of the total area of the plot or minimum five plots or sheds for recovery and recycling facility shall be earmarked in new industrial parks, industrial estates, SEZs etc. in future. Presently, the solid waste generated in the industrial areas is being disposed off through ULBs in which the said industrial area is located or through the nearest ULB, as the case maybe by signing the agreement between industry and ULB.
6.	<b>Rule 11(1)(i):</b> Facilitate establishment of common regional sanitary landfill.	UAD	The 167 ULBs of the State follow the MCC (Mission Clean City Model of Ambikapur) model which incorporates maximum utilization of waste by recycling of the dry fraction and composting of wet fraction. Thus, it eliminates the need of landfills for disposing rejects. In Bilaspur Municipal Corporation Sanitary Landfill has been commissioned on 06/03/2019. Construction of Sanitary Landfill is completed in Raipur and CECB has issued Consent to Operate for the same on 11/06/2020.
7.	<b>Rule 11(1)(j):</b> To arrange for capacity building of local bodies in managing solid waste, segregation and transportation or Processing of such waste at source.	UAD	Training, workshops, seminar etc. for the ULB staffs are being conducted by UAD time to time to enhance their technical expertise in waste management. Visits have also been made to other successful waste management models, like Indore and Ambikapur for capacity building in waste segregation and recycling. For management of solid waste, cluster level, Project Implementation Units (PIUs) and State level Project Management Units (PMUs) are working.

(H)

8.	<b>Rule 11(1)(k):</b> To notify buffer zone for the solid waste processing and disposal facility of more than 05 tonnes/day in consultation with CECB.	UAD	Raipur Municipal Corporation has notified the buffer zone on 09/07/2019 and Bilaspur Municipal Corporation has notified the buffer zone on 10/07/2019 for the solid waste processing and disposal facilities of capacity more than 05 TPD (at Raipur (Sakri) and Bilaspur (Kachhar) respectively).
9.	<b>Rule 11(1)(l):</b> To start a scheme on registration of waste pickers and waste dealers.	UAD	Registration of the waste pickers has already done under MCC scheme. Every year survey of waste pickers has been conducted by ULBs to identify new waste pickers.
10.	<b>Rule 12:</b> To review performance of local bodies' at-least once in a quarter and to give appropriate direction for taking corrective measures.	Collector	District Collectors are reviewing the performance of ULBs. Latest review meeting were held under the chairmanship of Chief Secretary of the state on 09/09/2024 and reports have been submitted to UAD.
11.	<b>Rule 15(a):</b> Preparation of Solid Waste Management Plan and submission to State Government.	Local Bodies	The Mission Clean City Guidebook (Plan and Strategy) for 167 ULBs have been prepared. The strategy has been approved and issued for implementation on 07/09/2016.
12.	<b>Rule 15(b):</b> Arrange Door to Door Collection	Local Bodies	Out of 169 ULBs, 87.50% door-to-door collection is achieved in 169 ULBs.
13.	<b>Rule 15(e):</b> Frame Bye-laws	Local Bodies	The necessary bye laws have been framed and notified on Chhattisgarh gazette. The same has also sent to ULBs for the approval from PIC/MIC and its publication on ULB level for its timely implementation.
14.	<b>Rule 15(f):</b> Collection of user fee from waste generators	Local Bodies	Rs. 128.56 Crores has been collected from waste generators as user fees by the ULBs with respect to the notified SWM bye-laws as on December, 2022.
15.	<b>Rule 15(g):</b> Direct waste generators not to litter	Local Bodies	SWM bye-laws for collection of fine have been notified for Municipal Corporation, Municipal Council/ Nagar Panchayat on 28/01/2019 and necessary directions have been sent continuously to the waste generators not to litter. IEC campaigns have been conducted on regular basis across all ULBs for the same.

2

16.	<b>Rule 15(h):</b> Set-up material recovery facility / secondary storage facility.	Local Bodies	Under MCC, 167 ULBs is collecting segregated waste separately in wet and dry fractions through two bin system (Green and Blue) and transport the same on daily basis in compartmentalized tricycles and mini tippers. The dry fraction is being segregated at SLRM centres in to various usable fractions and sold to waste recyclers. The wet fraction is being converted into compost. The detailed guidelines for the same have been provided to 167 ULBs under MCC. In Bilaspur and Raipur, the waste is daily collected and transported to Integrated Solid Waste Processing Facility.
17.	<b>Rule 15(i):</b> Set-up deposition centers for deposition of domestic hazardous waste.	Local Bodies	The domestic hazardous waste is being collected separately in a black bag or in separate compartment in the tricycles and stored temporarily in the SLRM Centres.
18.	<b>Rule 15(j):</b> Safe storage and transportation of domestic hazardous waste.	Local Bodies	The domestic hazardous waste is collected and stored safely at the SLRM centres and ULBs are directed to follow the CPCB guideline for the same.
19.	<b>Rule 15(k):</b> Street sweepers not to burn tree leaves.	Local Bodies	Notification to penalize open burning has been issued by UAD. It is also included in SWM bye-laws for collection of fine (Municipal Corporation, Municipal Council/ Nagar Panchayat) on 28/01/2019. Necessary direction has also been given to street sweepers not to burn tree leaves collected from street sweeping and store them separately and handover to the waste collectors.
20.	<b>Rule 15(l):</b> Training to waste-pickers.	Local Bodies	Necessary trainings are being organized time to time under MCC scheme.
21.	<b>Rule 15(m):</b> Setting-up of decentralized compost plant / bio-methanation plant in markets.	Local Bodies	The organic waste is being separately collected from each type of establishment and being processed in respective composting plants near the market areas. However, to promote decentralized plants for the treatment of organic/wet fraction, necessary guidelines have been issued for bulk waste generators (BWGs). The BWGs in the ULBs are complying with the same.

(12)

22.	<b>Rule 15(n):</b> Collect waste from sweeping of streets.	Local Bodies	All public and commercial areas are being swept twice daily, including night sweeping and residential areas are being swept once in a day and the street sweeping waste is being disposed in scientific manner. This is being done by every ULB through departmental sweepers. Necessary logs for the same are also being maintained.
23.	<b>Rule 15(o):</b> Set-up secondary storage facility for street sweeping and silt removal from drains.	Local Bodies	The street sweepings and silt removed from drain cleanings are being collected directly by suitable vehicles. In case where direct collection is not convenient, these wastes are temporarily stored at processing facilities.
24.	<b>Rule 15(p):</b> Collect horticulture and garden waste.	Local Bodies	Necessary directions regarding creating compost pits in the parks and garden has been issued by the department during Swachh Survekshan 2018, 2019, 2020, 2021, 2022, 2023 and 2024. Every ULB is adopting the same. The garden and park waste is being processed at the onsite compost pit.
25.	<b>Rule 15(q):</b> Transport segregated Bio-degradable waste to processing facilities.	Local Bodies	The bio-degradable/wet fraction is being transported in covered and partitioned vehicles to the designated composting facilities in 169 ULBs for its conversion into compost.
26.	<b>Rule 15(r):</b> Transport segregated Non-Biodegradable waste to processing facilities.	Local Bodies	The non-biodegradable/dry fraction is being taken to the waste processing facilities in 169 ULBs for its segregation and recycling. The recyclables are being sold to waste recyclers and the non-recyclable, non-saleable Non-Biodegradable combustible waste is being stored separately and is being sold as alternate fuel and raw material (AFR) to cement plants in the State.
27.	<b>Rule 15(s):</b> Transport C&D waste as per C&D rules.	Local Bodies	The C&D waste has been transported in covered vehicles to the C&D waste processing facility of the ULB. Further, C&D waste management policy for Chhattisgarh State has been notified by the UAD on 15/09/2017. SOP on C&D waste management is notified on 04/12/2018 and necessary directions have also been sent to the ULBs to implement the same.

*(m)*

28.	<b>Rule 15(t):</b> Promotion of home composting	Local Bodies	Various IEC activities have been carried out in the State under SBM and recent Swachh Survekshan 2018, 2019, 2020, 2021, 2022, 2023 and 2024 for involvement of communities in waste management and home composting. Home composting manual is also shared with the ULBs to promote home composting. Ambikapur home composting model "Bali vaishya" has been awarded in the Innovation Category of Swachh Survekshyan 2019.
29.	<b>Rule 15(u):</b> Phase-out of chemical fertilizers.	Local Bodies	Use of chemical fertilizer is eliminated in ULB works. Necessary letter has been sent for the same. Amendment in Pushp-vatika Yojana also done for promoting garden composting. Regarding incentivizing informal waste recycling sector, the same has been integrated and being incentivized within the formal waste management system under MCC scheme.
30.	<b>Rule 15(v):</b> Adoption of Bio-methanization and waste to energy processing.	Local Bodies	Two ULBs (Raipur and Bilaspur) have Integrated Solid Waste Management facilities of capacity more than 05 TPD, which is based on Waste to RDF and composting with Landfill. Both Raipur and Bilaspur have already established Waste to RDF Plant and it is in operation.
31.	<b>Rule 15(w):</b> Operate and maintainsanitary landfill for residual wastes.	Local Bodies	The state follows MCC (Mission Clean City Model of Ambikapur) which does not require sanitary landfill as 100% of waste is recycled. The waste management approach of MCC (Mission Clean City Model of Ambikapur) in ULBs of Chhattisgarh incorporate maximum utilization of waste and minimize the rejects generation, thus eliminating the need of the landfills for disposing rejects. Municipal Corporations Bilaspur has constructed cell-wise sanitary landfill as per Schedule 1 of SWM rules, 2016 for disposal of residual wastes. The sanitary landfill site is operational. Construction of Sanitary Landfill is completed in Raipur and is operational.

(12)

32.	<b>Rule 15(x):</b> Funds and Annual Budget	Local Bodies	Necessary directions have been sent to each ULB for proper budget allocation for capital investments and O&M of solid waste management services in the annual budget and its optimum utilization to ensure that funds for discretionary functions of the local body will be allocated only after meeting the requirement of necessary funds for solid waste management.
33.	<b>Rule 15(y) and Rule 15(z):</b> Authorization from CECB for waste processing unit and sanitary landfill.	Local Bodies	For Bilaspur, Consent to Establish had been obtained on 23/11/2017 to establish Waste to RDF Plant of capacity 100 TPD and Compost plant of capacity 150 TPD. Construction of Processing Plant and SLF is completed. The Consent to Operate has been obtained on 06/03/2019 and authorization for the waste processing facility has been obtained on 27/06/2019. For Raipur, Environment Clearance has been obtained on 06/08/2016 for setting up of processing and disposal facility at Village-Sakri and CTE obtained on 26/11/2018. The Consent to Operate has been obtained on 11/06/2020 and authorization application for the waste processing facility is under process.
34.	<b>Rule 15(zc):</b> Educate supervisors of door-to-door collection to collect unmixed waste.	Local Bodies	Necessary trainings are being organized time to time under MCC scheme.
35.	<b>Rule 15(zd):</b> Provide protection like uniform, hand-gloves, mask etc. to workers of processing facility.	Local Bodies	All type of PPEs have been provided by the every ULB to their respective SHG women and Sanitation workers for ensuring their safety and hygiene dealing with collection, transportation, processing and disposal of solid waste.
36.	<b>Rule 15(ze):</b> Building plan to include segregation of waste.	UAD / Town and Country Planning	Necessary direction has been issued by UAD to Town & Country Planning Department to ensure provision for setting up of processing facility in layout plan during approval as per Bhumi Vikas Niyam, 1984 and necessary steps are being taken in this regard by Department of Town and Country Planning.

*(Handwritten mark)*

37.	<b>Rule 15(zf):</b> On the spot fine for littering / violation of the rules.	Local Bodies	The necessary bye laws for levying of spot fine for littering of waste etc. have been framed and notified on Chhattisgarh gazette. Rs. 142.155 Lakh fine have been collected from 93,500 violators as on December, 2022.
38.	<b>Rule 15(zg):</b> Create public awareness.	Local Bodies	Time to time IEC activities for creating public awareness and education to the waste generators are being carried out across the State.
39.	<b>Rule 15(zh):</b> Stop dumping of mixed waste soon after setting-up of sanitary landfill.	Local Bodies	As MCC model is adopted in 167 ULBs, land filling and dumping of mixed waste had been stopped.
40.	<b>Rule 15(zi):</b> Only non-biodegradable waste to go to sanitary landfill.	Local Bodies	In Bilaspur, sanitary landfill has been constructed as per specifications given in Schedule -I and every effort has been made to recycle or reuse the rejects. The non-usable, non-recyclable, non-biodegradable, non-combustible and non-reactive inert waste and pre-processing rejects and residues from waste processing facilities are allowed to go to sanitary landfill. Construction of Sanitary Landfill within the Integrated Solid Waste Processing Facility is completed in Raipur.
41.	<b>Rule 15(zj) and (zk):</b> Bio-mine or cap the dump-sites.	Local Bodies	Dumpsites in 167 ULBs have been remediated. The Bioremediation techniques as per the CPCB guideline have been adopted for the remediation of existing dumpsites.
42.	<b>Rule 17:</b> To collect the packaging waste generated from manufacturer or brand owners of disposable products and to collect fund from them for the same.	UAD	ULBs are collecting all waste universally from all waste generators.
43.	<b>Rule 19:</b> Solid Waste Processing and treatment facility.	UAD	There are total 169 ULBs in the state out of which 167 ULBs have SLRM centres (based on Ambikapur Model) and remaining 2 ULBs of Raipur and Bilaspur have processing facilities. The facility at Bilaspur has commenced operation.

44.	<p><b>Rule 22:</b> Completion of various activities within stipulated time frame such as identification of suitable sites for setting up solid waste processing facilities and sanitary landfill facilities, enforcing wastes generators to practice segregation of various wastes at source, ensuring door to door to collection of segregated wastes and transportation in covered vehicles, ensuring separate storage, collection and transportation of construction and demolition wastes, setting up of solid wastes processing facilities and sanitary landfills by local bodies and bio-remediation or capping of old and abandoned dump sites.</p>	UAD	<p>Suitable lands have been identified and allocated to all 169 ULBs of the State for the solid waste processing facilities.</p> <p>In Chhattisgarh State out of 169 local bodies, 167 ULBs have started solid waste processing and disposal based on Ambikapur Model. Only 02 ULBs namely Raipur and Bilaspur are based on sanitary landfill model. Solid waste processing facility (Composting Shed and RDF Plant) at Bilaspur and Raipur has already started. As on date 565 waste processing facility (SLRM centers and Compost Shed) have been commissioned in 167 ULBs.</p> <p>For the remediation of legacy waste, 167 ULBs have already completed this work.</p> <p>Raipur Municipal Corporation has notified the buffer zone on 09.07.2019 and Bilaspur Municipal Corporation has notified the buffer zone on 10.07.2019 for the solid waste processing and disposal facilities of capacity more than 05 TPD (at Raipur (Sakri) and Bilaspur (Kachhar) respectively).</p>
45.	<p><b>Rule 23:</b> Constitution of State level advisory body with Secretary, Urban development department as Chairman and to review matters related to implementation of this rules/state policy.</p>	UAD	<p>State level advisory body has been constituted vide letter dated 17/03/2017 and meeting of State level advisory body held on 18/04/2024, 26/04/2024, 29/05/2024, 09/09/2024. Chief Secretary also took review meeting on dated 09/09/2024.</p>

2



HEAD OFFICE  
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD  
Paryawas Bhavan, North Block, Sector-19,  
Atal Nagar, Raipur (C.G.)

No 333 /MSW/H.O./CECB/2018

Atal Nagar, Raipur, Dated: 29/9/18

To,

**Member Secretary,**  
Central Pollution Control Board,  
'Parivesh Bhawan' C.B.D.Cum-Office Complex,  
East Arjun Nagar, Shahdara,  
**Delhi - 110 032**

Sub. :- Annual Report for Year 2017-18 Implementation of Solid Wastes Management Rules, 2016.


Ref. :- Your letter no. B-13011/1/UPC-II/AR/2017-18/10184 dated 28/08/2018.

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With reference to above mentioned letter on the above subject, the annual report for 2017-18 as per provision of Solid Wastes Management Rules, 2016 with respect to state of Chhattisgarh is enclosed in prescribed form-V of the rule. Information as desired is forwarded for your kind perusal and necessary action.

Encl :- As above.

  
**Member Secretary**

  
Chhattisgarh Environment Conservation Board  
Atal Nagar, Raipur (C.G.)

**Chhattisgarh Environment Conservation Board, Raipur**  
**Solid Waste Management Rules, 2016 Annual Report Year 2017-18**

**FORM- V**

**PART- A**

1.	Name of the State/Union territory	:	Chhattisgarh
2.	Name & address of the State Pollution Control	:	Chhattisgarh Environment Conservation Board, ParyawasBhawan, North Block, Sector-19, Atal Nagar, Dist.:Raipur(C. G.)
3.	Number of local bodies responsible for management of solid waste in the State/Union territory under these rules	:	Total ULBs: 168 Municipal Corporation: 13 Municipal Councils: 44 Nagar Panchayats: 111
4.	No. of authorisation application Received	:	0
5.	Summary Statement on progress made by local bodies in respect of solid waste management	:	Attached as Annexure-I
6.	Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal	:	Attached as Annexure-II
7.	summary statement on progress made by local bodies in respect of implementation of Schedule II	:	<ul style="list-style-type: none"> <li>• 166 Municipal Authorities have Garbage Clinic (Solid Liquid Resource Management Centers) for secondary segregation of MSW and 166 Municipal Authorities are operating their own composting plant</li> <li>• Municipal Corporation, Raipur has obtained Environment Clearance for processing and disposal of Integrated City Sanitation and Municipal Solid Waste Management Project at Village – Sakri</li> <li>• Municipal Corporation, Bilaspur has obtained Consent to Establish on 23/11/2017 for Waste to RDF plant.</li> </ul>

## PART- B

### **Towns/cities:**

Total number of towns/cities	:	168
Total number of ULBs	:	168
Number of class I & class II cities/towns	:	

### **Authorisation status (Names/Number):**

Number of applications received	:	0
Number of authorisations granted	:	0
Authorisations under scrutiny	:	0

### **Solid Waste Generation status:**

Solid waste generation in the state (TPD)	:	2000
Collected (TPD)	:	1680
Treated (TPD)	:	1411.2
Landfilled (TPD)	:	Nil

### **Compliance to Schedule I of SW Rules (Number /Names of towns /Capacity):**

Good practices in cities/towns	:	168
House-to-house collection	:	166
Segregation	:	166
Storage	:	Nil
Covered transportation	:	166

### **Processing of SW (Number/Names of towns/Capacity):**

Solid Waste processing facilities setup:

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	203	0	0	0

Processing facility operational

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	203	0	0	0

Processing facility under installation/planned:

SR. No.	Composting/ SLRM Center	Vermi- composting	Biogas	RDF/Pelletization
(a)	37	0	0	0

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

SR. No.	Plant Location	Status of operation	Power generation (MW)	Remarks
Nil	Nil	Nil	Nil	Nil

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

Landfill sites identified	:	2
Landfill constructed	:	0
Landfill under construction	:	1
Landfill in operation	:	0
Landfill exhausted	:	0
Landfilled capped	:	0

**Solid Waste Dumpsites (Number/Names of towns/Capacity):**

Total number of existing dumpsites	:	2
Dumpsites reclaimed/capped	:	0
Dumpsites converted to sanitary landfill	:	0

**Monitoring at Waste processing/Landfills sites:**

Name of Facilities	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs
Nil	Nil	Nil	Nil	Nil	Nil

**Status of Action Plan prepared by Municipalities:**

Total number of municipalities	:	168
Number of Action Plan submitted	:	168

## ANNEXURE – I

### **Summary Statement on Progress Made By Local Bodies in Respect of Solid Waste Management:**

#### For 166 ULBs (Mission Clean City Model):

1. Solid waste management in 166 ULBs of the State is based on the waste management model (Mission Clean City) currently running successfully in Ambikapur. These Municipal Authorities have collection and transportation facilities for solid waste management. The source segregated MSW is collected by SHG workers by tricycles and Mini tippers. The Municipal solid waste management facilities are effectively managed and planned to comply the provision of the Solid Waste Management Rule, 2016.
  
2. These 166 Municipal Authorities have Garbage Clinic (Solid Liquid Resource Management Centers) for secondary segregation of MSW and also these 166 Municipal Authorities are operating their own composting plant.

#### For 2 ULBs (Raipur, Bilaspur- integrated solid waste management systems)

3. Municipal Corporation, Raipur has obtained Environment Clearance for processing and disposal of Integrated City Sanitation and Municipal Solid Waste Management Project at Village - Sakri.
  
4. Municipal Corporation, Bilaspur has obtained Consent to Establish on 23/11/2017 to establish Waste to RDF plant. Construction of the plant is completed. The process of getting Consent to Operate is in progress.

**ANNEXURE-II**

**Summary Statement on progress made by local bodies in respect of Waste Collection, Segregation, Transportation and Disposal**

<b>S.No.</b>	<b>Parameters</b>	<b>Compliance Criteria</b>
1	Collection of Municipal Solid Wastes	All Municipal Authorities have door to door collection facilities. Collection is done through Tricycles and Mini Tippers. Collection system in all municipal authorities are effectively planned and managed to comply with the SWM Rule, 2016.
2	Segregation of Municipal Solid Wastes	166 Municipal Authorities have source segregation facilities.
3	Transportation of Municipal Solid Wastes	All Municipal Authorities have segregated transportation facility for municipal solid waste. Transportation is done mainly by Tricycle, Mini tipper in 166 ULBs and by Dumpers in Raipur, Bilaspur.
4	Disposal of Municipal Solid Wastes	166 Municipal Authorities have composting and recycling facilities at Compost shed and Garbage Clinic Center respectively.



HEAD OFFICE  
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD  
Paryawas Bhavan, North Block, Sector-19,  
Naya Raipur (C.G.)

No. 500 /MSW/H.O./CECB/2017

Naya Raipur, Dated: 23/11/17

To,

**Member Secretary,**  
Central Pollution Control Board,  
'Parivesh Bhawan' C.B.D.Cum-Office Complex,  
East Arjun Nagar, Shahdara,  
**Delhi - 110 032**

Sub. :- Annual Report for Year 2016-17 Implementation of Solid Wastes Management Rules, 2016.


Ref. :- Your letter no. B-11011/1/UCP-II/2016-17/11976 dated 10/10/2017.

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With reference to above mentioned letter on the above subject, the annual report for 2016-17 as per provision of Solid Wastes Management Rules, 2016 with respect to state of Chhattisgarh is enclosed in prescribed form-V of the rule. Information as desired is forwarded for your kind perusal and necessary action.

Encl :- As above.

Ok

  
**Member Secretary**  
Chhattisgarh Environment Conservation Board  
Naya Raipur (C.G.)

**Solid Waste Management Rule - 2016 Annual Report for 2016-17**  
**Name of the Board - Chhattisgarh Environment Conservation Board, Raipur**

**Form - V**

**PART A**

**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	:	Chhattisgarh
2	Name & Address of the State Pollution Control Board	:	Chhattisgarh Environment Conservation Board, Paryawas Bhawan, North Block, Sector- 19, Naya Raipur (C.G.)
3	Number of Local Bodies responsible for management of solid waste in the State/Union territory under these rules	:	168,                    13 Municipal Corporation 33 Municipal Council 122 Nagar Panchayat
4	No. of authorisation application Received	:	0
5	Summary Statement on progress made by local bodies in respect of Solid Waste Management	:	Attached as Annexure- I
6	Summary Statement on progress made by local bodies in respect of Waste Collection, Segregation, Transportation and Disposal	:	Attached as Annexure- II
7	Summary Statement on progress made by local bodies in respect of implementation of Schedule II	:	Four Municipal Authorities viz. Dhamtari, Durg, Korba and Ambikapur have established and operating their own vermi-composting/composting Plant. Municipal Corporation Jagdalpur has installed Bio-Composting plant at Jagdalpur but site clearance is not granted due to Supreme Court's restriction on land proposed to be falling under forest conservation area.

*Amisha*

## PART - B

### Towns/cities:

Total number of towns/cities	:	151
Total number of ULBs	:	168
Number of class I & class II cities/towns	:	47

### Authorisation status (Names/Number):

Number of applications received	:	0
Number of authorisations granted	:	0
Authorisations under scrutiny	:	0

### Solid Waste Generation status:

Solid waste generation in the state (TPD)	:	6000
Collected (TPD)	:	4200
Treated (TPD)	:	20
Landfilled (TPD)	:	Nil

### Compliance to Schedule I of SW Rules (Number /Names of towns /Capacity):

Good practices in cities/towns	:	10
House-to-house collection	:	10
Segregation	:	4
Storage	:	6
Covered transportation	:	28

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

Solid Waste processing facilities setup:

Sl. No.	Composting	Vermi-composting	Biogas	RDF/Pelletization
1	4	1	0	0

Processing facility operational

Sl. No.	Composting	Vermi-composting	Biogas	RDF/Pelletization
1	2	1	0	0

Processing facility under installation/planned:

Sl. No.	Composting	Vermi-composting	Biogas	RDF/Pelletization
Nil	2	0	Nil	2

*Amisha*

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

Sl. No.	Plant Location	Status of operation	Power generation (MW)	Remarks
Nil	Nil	Nil	Nil	Nil

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

Landfill sites identified	:	77
Landfill constructed	:	0
Landfill under construction	:	2
Landfill in operation	:	0
Landfill exhausted	:	0
Landfilled capped	:	0

**Solid Waste Dumpsites (Number/Names of towns/Capacity):**

Total number of existing dumpsites	:	75
Dumpsites reclaimed/capped	:	0
Dumpsites converted to sanitary landfill	:	0

**Monitoring at Waste processing/Landfills sites:**

Name of Facilities	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs
Nil	Nil	Nil	Nil	Nil	Nil

**Status of Action Plan prepared by Municipalities:**

Total number of municipalities	:	168
Number of Action Plan submitted	:	168

Amisha

## ANNEXURE – I

### **Summary Statement on Progress Made By Local Bodies in Respect of Solid Waste Management:**

1. All Municipal Authorities have partial collection and transportation facilities for solid waste management but the facilities should be effectively managed and planned to comply the provision of the solid waste management.
2. The Municipal Corporation Ambikapur has segregation facility of solid waste.
3. Total 10 Municipal Authorities have door to door collection system in their Municipalities.
4. Four Municipal Authorities viz. Dhamtari, Durg, Korba and Ambikapur have established and operating their own vermi-composting/composting Plant. Municipal Corporation Jagdalpur has installed Bio-Composting plant at Jagdalpur but site clearance is not received due to Supreme Court's restriction on land proposed to be falling under forest conservation area.
5. In the State 77 Municipal Authorities have identified landfill sites.
6. Necessary instructions have been issued to all local bodies of the state for improvement of existing landfill sites as per provision of Solid Waste Management Rule – 2016.
7. All the Municipal Authorities have been instructed to develop setting up of waste processing and disposal facilities as per the provisions of Solid Waste Management Rule – 2016.

*Amishra*

## ANNEXURE-II

### Summary Statement on progress made by local bodies in respect of Waste Collection, Segregation, Transportation and Disposal

S.No.	Parameters	Compliance Criteria
1	Collection of Municipal Solid Wastes	All municipal authorities have collection facilities. Collection is done through dustbins, trolleys and some of the Municipal Authorities have Door to Door Collection System. All municipal authorities need to be effectively planned and Managed to comply with the rule.
2	Segregation of Municipal Solid Wastes	Segregation is done by Municipal Corporation Ambikapur and Dhamtari. Other Municipal Authorities have no segregation facility.
3	Transportation of Municipal Solid Wastes	All Municipal Authorities have transportation facility. Transportation is done mainly by Tractors.
4	Disposal of Municipal Solid Wastes	All Municipal Authorities Dispose off their waste at various open available ground except Municipal Corporation Ambikapur and Municipal Corporation Dhamtari. Municipal Corporation Ambikapur has composting and recycling facility while Municipal Corporation Dhamtari has started vermi composting plant and thereby utilizing waste for composting.

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HEAD OFFICE  
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD  
Paryawas Bhavan, North Block, Sector-19,  
Naya Raipur (C.G.)

No. 6257 /MSW/H.O./CECB/2017

Naya Raipur, Dated: 27/2/2017

To,

**Member Secretary,**  
Central Pollution Control Board,  
'Parivesh Bhawan' C.B.D.Cum-Office Complex,  
East Arjun Nagar, Shahdara,  
**Delhi - 110 032**

Sub. :- Annual Report for Year 2016 Implementation of Solid Wastes Management Rules, 2016.


Ref. :- Your letter no. B-11011/1/PCP/2015-16/3242 dated 20/07/2016.

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With reference to above mentioned letter on the above subject, the annual report for 2016 as per provision of Solid Wastes Management Rules, 2016 with respect to state of Chhattisgarh is enclosed in prescribed form V of the rule. Information as desired is forwarded for your kind perusal and necessary action.

Encl :- As above.

  
27/2/17  
**Member Secretary**

Chhattisgarh Environment Conservation Board  
 Naya Raipur (C.G.)



**PART - B**

**Towns/cities:**

Total number of towns/cities	:	152
Total number of ULBs	:	168
Number of class I & class II cities/towns	:	47

**Authorisation status (Names/Number):**

Number of applications received	:	4
Number of authorisations granted	:	4
Authorisations under scrutiny	:	4

**Solid Waste Generation status:**

Solid waste generation in the state (TPD)	:	2245.25
Collected (TPD)	:	2036.97
Treated (TPD)	::	828.18
Landfilled (TPD)	::	1294.97

**Compliance to Schedule I of SW Rules (Number /Names of towns /Capacity):**

Good practices in cities/towns	:	10
House-to-house collection	:	14
Segregation	:	5
Storage	:	0
Covered transportation	:	69

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

Solid Waste processing facilities setup:

Name of Facility	Composting	Vermi-composting	Biogas	RDF/ Pelletization
Municipal Corporation Bhilai, Dist- Durg	Yes	No	No	No
Municipal Corporation Durg, Dist- Durg	Yes	No	No	No
Municipal Corporation Rajnandgaon, Dist- Rajnandgaon	Yes	No	No	No
Municipal Corporation Ambikapur, Dist- Sarguja	Yes	No	No	No
Municipal Corporation Dhamtari, Dist-Dhamtari	No	Yes	No	No
Municipal Corporation Korba, Dist-Korba	Yes	No	No	No

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**Processing facility operational**

Name of Facility	Composting	Vermi-composting	Biogas	RDF/Pelletization
Municipal Corporation Durg, Dist- Durg	Yes	No	No	No
Municipal Corporation Ambikapur, Dist- Sarguja	Yes	No	No	No
Municipal Corporation Dhamtari, Dist-Dhamtari	No	Yes	No	No
Municipal Corporation Korba, Dist-Korba	Yes	No	No	No

**Processing facility under installation/planned:**

Name of Facility	Composting	Vermi-composting	Biogas	RDF/Pelletization
-	Nil	Nil	Nil	Nil

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

Sl. No.	Plant Location	Status of operation	Power generation (MW)	Remarks
-	-	-	-	-

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

Landfill sites identified	:	77
Landfill constructed	:	0
Landfill under construction	:	0
Landfill in operation	:	0
Landfill exhausted	:	0
Landfill capped	:	0

**Solid Waste Dumpsites (Number/Names of towns/Capacity):**

Total number of existing dumpsites	:	79
Dumpsites reclaimed/capped	:	0
Dumpsites converted to sanitary landfill	:	0

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**Monitoring at Waste processing/Landfills sites:**

<b>Name of Facilities</b>	<b>Ambient air</b>	<b>Ground water</b>	<b>Leachate quality</b>	<b>Compost quality</b>
Municipal Corporation Bhilai, Dist- Durg	Yes	Yes	Nil	Nil

**Status of Action Plan prepared by Municipalities:**

Total number of municipalities : 168  
Number of Action Plan submitted : 8

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## ANNEXURE - I

### **Summary Statement on Progress Made By Local Bodies in Respect of Solid Waste Management:**

1. All Municipal Authorities have partial collection and transportation facilities for solid waste management but the facilities should be effectively managed and planned to comply the provision of the solid waste management.
2. The Municipal Corporation Ambikapur, Durg and Bhilai have segregation facility of solid waste.
3. Total 14 Municipal Authorities have door to door collection system in their Municipalities.
4. Four Municipal Authorities viz. Dhamtari, Korba, Durg and Ambikapur have established and operating their own vermi-composting/composting Plant.
5. In the State 77 Municipal Authorities have identified landfill sites.
6. Necessary instructions have been issued to all local bodies of the state for improvement of existing landfill sites as per provision of Solid Waste Management Rule - 2016.
7. All the Municipal Authorities have been instructed to develop setting up of waste processing and disposal facilities as per the provisions of Solid Waste Management Rule - 2016.
8. In compliance of direction issued by honourable National Green Tribunal dated 22<sup>nd</sup> December 2016. All the local bodies have been instructed to strictly follow and timely implement the provisions of Solid Waste Management Rule - 2016.
9. It is to be noted that 828.18 tonnes of solid waste is being processed and treated through composting in the State of Chhattisgarh.





**ANNEXURE-II**

**Summary Statement on progress made by local bodies in respect of Waste Collection, Segregation, Transportation and Disposal**

<b>S.No.</b>	<b>Parameters</b>	<b>Compliance Criteria</b>
1	Collection of Municipal Solid Wastes	All municipal authorities have collection facilities. Collection is done through dustbins, trolleys and some of the Municipal Authorities have door to door collection system. All Municipal Authorities need to be effectively planned and Managed to comply with the rule.
2	Segregation of Municipal Solid Wastes	Segregation is done in Municipal Corporation Ambikapur, Municipal Corporation Bhilai and Municipal Corporation Durg. Other Municipal Authorities have no segregation facility.
3	Transportation of Municipal Solid Wastes	All Municipal Authorities have partial transportation facility. Transportation is done mainly by Tractors.
4	Disposal of Municipal Solid Wastes	All Municipal Authorities dispose off their waste at various available open grounds. However they have been directed to dispose solid waste only in the approved identified sites. Municipal Corporation Korba, Durg and Ambikapur have composting and recycling process for solid waste disposal and Municipal Corporation Dhamtari operate vermi composting plant.

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HEAD OFFICE  
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD  
Commercial Complex, Chhattisgarh Housing Board Colony,  
Kabir Nagar, Raipur (C.G.)

No. 5571 /H.O./Sci./CECB/2016  
To,

Raipur, Date 17/2/2016

**Member Secretary,**  
Central Pollution Control Board,  
Parivesh Bhawan, CBD. Cum-office Complex,  
East Arjun Nagar, Delhi - 110032


Sub:- Annual report for 2014-15 Implementation of Solid Wastes  
(Managment & Handling) Rules, 2000.

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With Reference to above subject, the annual report for 2014-15 as per provision of Solid Wastes (Managment & Handling) Rules, 2000 with respect to state of Chhattisgarh is enclosed herewith in prescribed form-IV of the rule alongwith supplementary information. Information as desired is forwarded for your kind perusal and necessary action.

Enclosed – As above

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**Member Secretary**  
C.G. Environment Conservation Board  
₹ Raipur (C.G.)

**Municipal Solid Wastes (Management and Handling) Rules, 2000 - Annual report for 2014-15**  
**Name of the Board - Chhattisgarh Environment Conservation Board, Raipur**

**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.**

01.	Name of the State/Union territory	:	Chhattisgarh
02.	Name & address of the State Pollution Control Board/Pollution Control Committee	:	Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.)
03.	Number of municipal authorities responsible for management of municipal solid wastes in the State/Union territory under these rules	:	<b>169,</b> 13 Municipal Corporation 33 Municipal Council 123 Nagar Panchayat
04.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule I [rule 4(3)]	:	Attached as Annexure - I
05.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule II [rules 6(1) and (3), 7(1)]	:	1. All municipal authorities have partial collection & transportation facilities for the M.S.W. management. But, it should be effectively planned and managed to comply with the provisions of the rule. 2. No municipal authority has segregation facilities for M.S.W. 3. Three municipal authorities viz. Nagar Nigam Dhamtari, Korba, Jagdalpur have established and started vermi composting/composting plants.
06.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule III [rules 6(1) and (3), 7(2)]	:	As per Schedule III [rules 7(2)], out of the <b>169</b> municipal authorities of the state, 73 municipal authorities have identified landfill sites, out of which 03 have applied for obtaining Environmental Clearance from SEIAA, CG.
07.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule IV [rules 6(1) and (3), 7(2)]	:	Three municipal authorities viz. Dhamtari, Korba, Jagdalpur and have established and started vermi composting /composting plants.

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Annexure-I

**Schedule 1**  
**[See rules 4(2) and (3)]**  
**Implementation Schedule**

<b>S.No.</b>	<b>Compliance Criteria</b>	<b>Action taken</b>
01.	Setting up of waste processing and disposal facilities.	1) All the Municipal Authorities have been instructed to develop setting up of waste processing and disposal facilities as per the provisions of the M.S.W. rules, 2000. 2) As per Schedule II [rules 6(1)] out of 169 municipal authorities of the state, 73 municipal authorities have identified landfill sites, out of which 03 have applied for obtaining Environmental Clearance from SEIAA, CG. 3) Three municipal authorities have established and started vermi composting/composting plants.
02.	Monitoring the performance of waste processing and disposal facilities	-
03.	Improvement of existing landfill sites as per provisions of these rules & Identification of landfill sites for future use and making site(s) ready for operation	1) Necessary instructions have been issued to all local bodies of the state for improvement of existing landfill sites as per provisions of MSW Rules, 2000. 2) In the state, 73 municipal authorities have identified landfill sites, out of which 03 have applied for obtaining Environmental Clearance from SEIAA, CG.

## CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

### Supplementary Information on Implementation of MSW Rules

#### 1. AUTHORIZATIONS

- i Number of local bodies in the State/UT: - **169 Nos.**
- ii Number of Application received for seeking authorization from local bodies during 2014-15 by SPCBs/PCCs for Authorization: - **02**
- iii Total No. of Authorization granted (cumulative) and which are valid.  
**Cumulative – 30 Nos. and valid – 01**
- iv Are the local bodies being charged for Authorizations fee if yes, the pattern is being followed.  
**There is no authorization fee for the local bodies.**
- v Whether Authorization are granted by SPCB directly or being processed through a Committee comprising representatives as per provision 6 (2) of the Rule. (Waste Processing and land filling).

**First Authorization was granted by CECB after taking view of district level Committee as per provision of the rules. After that renewals of authorization is granted directly by CECB.**

#### 2. Schedule-I

Please suggest appropriate dates/or mechanism which could be prescribed to local bodies for ensuring compliance to the Rules.

**For compliance of the M.S.W. rules, followings measures are suggested to be taken by local authorities –**

- 1) **Sufficient separate fund arrangements are required to be made for management of M.S.W.**
- 2) **Technical expertises within the municipal authorities required for the management of Municipal Solid Waste.**

#### 3. Schedule –II

Please name and number of local bodies who have taken good initiatives to improve waste segregation, collection, storage and transportation as per Schedule-II of the Rule (Please attach list)

**As per above, list is given below –**

- 1. Municipal Corporation Korba
- 2. Municipal Corporation Dhamtari
- 3. Municipal Corporation Jagdalpur

#### 4. Schedule-III (Land filling)

- a. How many local bodies have identified sites for new land filling (names/No.) - 73
- b. How many ULBs attempted to improve existing landfill practices (existing dump) - Nil
- c. How many ULB have taken initiative by a way of getting DPRs proposed, tendering etc. for new or existing dump sites. -

**Local bodies which have taken initiative for DPR for new dump site:-**

S. No.	Nagar Nigam
1.	Raipur
2.	Korba

- d. Whether SPCB has taken monitoring of ground water and ambient air around landfill sites - **No**
- e. What are the main constraints of ULBs in setting up of landfill facilities. -
- 1- Lack of funds with ULBs for waste management
  - 2- Lack of technical expertise for waste management.
  - 3- Non Availability of suitable sites for land fill near by cities.

#### 5. Schedule-IV (Waste Processing)

- i. How many local bodies have set up and are operating waste processing plants (No./Names)

**Name and Number of ULB where waste processing plants (like compost) are set-up, are given below -**

1. Municipal Corporation Korba
2. Municipal Corporation Dhamtari
3. Municipal Corporation Jagdalpur

- ii. No. of local bodies (with names) having taken initiatives to set up such facilities. - **Nil**
- iii. What are the constraints being faced by ULBs in setting up of waste processing facilities.
1. **Absence of mechanism of segregation of waste at source.**
  2. **Non availability of fund with ULBs for waste management.**
  3. **Lack of technical expertise for waste management.**

## 6. Management Plan and other issues

- i No. of cities/towns who have taken step to prepare DPRs for SWM in accordance with Rules.-

As per above, list is given below –

S. No.	Nagar Nigam	S. No.	Nagar Palika	S. No.	Nagar Panchyat
1.	Bilaspur	5.	Kirandul	11.	Kota
2.	Raipur	6.	Kanker	12.	Lormi
3.	Jagdalpur	7.	Bijapur	13.	Shivrinarayan
4.	Korba	8.	Mungali	14.	Baloda
		9.	Champa	15.	Takhatpur
		10.	Akaltara	16.	Bhanupratappur

- ii Information with SPCBs on grants provided under Twelfth Finance Commission/or JNNURM in the State. – Nil
- iii Any State specific Policies/issues or information of specific interest.  
Nil
- iv Whether any facility has been set up to help local bodies in the State to either help them in finalization of proposals relating to processing and disposal. - No





**Municipal Solid Wastes (Management and Handling) Rules, 2000 - Annual report for 2013-14**  
**Name of the Board - Chhattisgarh Environment Conservation Board, Raipur**

**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.**

01.	Name of the State/Union territory	:	Chhattisgarh
02.	Name & address of the State Pollution Control Board/Pollution Control Committee	:	Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.)
03.	Number of municipal authorities responsible for management of municipal solid wastes in the State/Union territory under these rules	:	169, 10 Municipal Corporation 32 Municipal Council 127 Nagar Panchayat
04.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule I [rule 4(3)]	:	Attached as Annexure - I
05.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule II [rules 6(1) and (3), 7(1)]	:	1. All municipal authorities have partial collection & transportation facilities for the M.S.W. management. But, they need to be effectively planned and managed to comply with the provisions of the rule. 2. No municipal authority has segregation facilities for M.S.W. 3. Four municipal authorities viz. Nagar Nigam Dhamtari, Korba, Jagdalpur and Bade Bacheli have established and started vermi composting/composting plants.
06.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule III [rules 6(1) and (3), 7(2)]	:	As per Schedule III [rules 7(2)], out of the 169 municipal authorities of the state, 64 municipal authorities have identified landfill sites, out of which 16 landfill sites have been approved by district level committee 89 are in search of suitable sites as per the provisions of the schedule III.
07.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule IV [rules 6(1) and (3), 7(2)]	:	Four municipal authorities viz. Dhamtari, Korba, Jagdalpur and Bade Bacheli have established and started vermi composting /composting plants.

**Schedule I**  
**[See rules 4(2) and (3)]**  
**Implementation Schedule**

S.No.	Compliance Criteria	Action taken
01.	Setting up of waste processing and disposal facilities.	<p>1) All the Municipal Authorities have been instructed to develop setting up of waste processing and disposal facilities as per the provisions of the M.S.W. rules, 2000.</p> <p>2) As per Schedule II [rules 6(1)] out of 169 municipal authorities of the state, 64 municipal authorities have identified landfill sites, out of which 16 landfill sites have been approved by district level committee.</p> <p>3) Four municipal authorities have established and started vermi composting/composting plants.</p>
02.	Monitoring the performance of waste processing and disposal facilities	
03.	Improvement of existing landfill sites as per provisions of these rules & Identification of landfill sites for future use and making site(s) ready for operation	<p>1) Necessary instructions have been issued to all local bodies of the state for improvement of existing landfill sites as per provisions of MSW Rules, 2000.</p> <p>2) In the state, 64 municipal authorities have identified landfill sites, out of which 16 landfill sites have been approved by district level committee 89 are in search of suitable sites for land fill as per the provisions of the schedule III.</p>

Supplementary Information on Implementation of MSW Rules

**1. AUTHORIZATIONS**

- i Number of local bodies in the State/UT: - **169 Nos.**
- ii Number of Application received for seeking authorization from local bodies during 2013-14 by SPCBs/PCCs for Authorization: - **01**
- iii Total No. of Authorization granted (cumulative) and which are valid. Authorization granted for one year  
**Cumulative – 30 Nos. and valid – Nil**
- iv Are the local bodies being charged for Authorizations fee if yes, the pattern is being followed.  
**There are no charges of authorization fee for the local bodies.**
- v Whether Authorization are granted by SPCB directly or being processed through a Committee comprising representatives as per provision 6 (2) of the Rule. (Waste Processing and land filling).  
**Authorization is granted by CECB after being processed through a district level Committee.**

**2. Schedule-I**

Please suggest appropriate dates/or mechanism which could be prescribed to local bodies for ensuring compliance to the Rules.

**For compliance of the M.S.W. rules, followings measures are suggested to be taken by local authorities –**

- 1) **Sufficient separate fund arrangements are required to be made for management of M.S.W.**
- 2) **Technical expertises within the municipal authorities are required for the management of M.S.W.**
- 3) **Separate M.S.W. cells are required to be created for sound management of M.S.W.**

**3. Schedule –II**

Please name and number of local bodies who have taken good initiatives to improve waste segregation, collection, storage and transportation as per Schedule-II of the Rule (Please attach list)

S. No.	Nagar Nigam	S. No.	Nagar Palika
1.	Korba	3.	Dhamtari
2.	Jagdarpur	4.	Badebacheli

#### 4. Schedule-III (Land filling)

- a. How many local bodies have identified sites for new land filling (names/No.) - 2
- b. How many ULBs attempted to improve existing landfill practices (existing dump) - Nil
- c. How many ULB have taken initiative by a way of getting DPRs proposed, tendering etc. for new or existing dump sites.

#### Local bodies which have taken initiative for DPR for new dump site:

S. No.	Nagar Nigam
1.	Raipur
2.	Korba

- d. Whether SPCB has taken monitoring of ground water and ambient air around landfill sites.
- e. What are the main constraints of ULBs in setting up of landfill facilities. -
  - 1- Lack of funds with ULBs for waste management
  - 2- Lack of technical expertise for waste management.
  - 3- Non Availability of suitable sites for land fill near by cities.

#### 5. Schedule-IV (Waste Processing)

- i. How many local bodies have set up and are operating waste processing plants (No./Names)

#### Name and Number of ULB where waste processing plants (like compost) are set-up, are given below –

S. No.	Nagar Nigam	S. No.	Nagar Palika
1.	Korba	3.	Dhamtari
2.	Jagdarpur	4.	Badebacheli

- ii. No. of local bodies (with names) having taken initiatives to set up such facilities.
- iii. What are the constraints being faced by ULBs in setting up of waste processing facilities.
  1. **Absence of mechanism of segregation of waste at source.**
  2. **Lack of fund with ULBs for waste management.**
  3. **Lack of technical expertise for waste management.**

## 6. Management Plan and other issues

- i No. of cities/towns who have taken step to prepare DPRs for SWM in accordance with Rules.-

As per above, list is given below -

S. No.	Nagar Nigam	S. No.	Nagar Palika	S. No.	Nagar Panchyat
1.	Bilaspur	5.	Kirandul	11.	Kota
2.	Raipur	6.	Kanker	12.	Lormi
3.	Jagdarpur	7.	Bhanupratappur	13.	Shivrinarayan
4.	Korba	8.	Mungali	14.	Baloda
		9.	Champa	15.	Takhatpur
		10.	Akaltara		

- ii Information with SPCBs on grants provided under Twelfth Finance Commission/or JNNURM in the State. - **Nil**
- iii Any State specific Policies/issues or information of specific interest.  
**Nil**
- iv Whether any facility has been set up to help local bodies in the State to either help them in finalization of proposals relating to processing and disposal. - No