

2nd QUATERLY PROGRESS REPORT

IN THE MATTER OF
O.A. No. 606/2018
'COMPLIANCE OF MUNICIPAL SOLID WASTE MANAGEMENT RULES, 2016'

SUBMITTED ON
21 OCTOBER 2019

ON BEHALF OF STATE OF CHHATTISGARH



2nd QUARTERLY PROGRESS REPORT

O.A. No. 606/2018

'Submission of 2nd Compliance Report'

Ref: Letter No. B-17011.17/MSW/2019 dated 27.09.2019 of CPCB

In the matter of '**Compliance of Municipal Solid Waste Management Rules, 2016**' (O.A 606/2018), vide order dated 16.01.2019, the National Green Tribunal, Principal Bench, New Delhi noted certain deficiencies in implementation of Solid Waste Management Rules, 2016, Plastic Waste Management Rules, 2016, Bio-Medical Waste Management Rules, 2016 by various State governments and their implementing agencies. Therefore, the Hon'ble Tribunal directed the respective Chief Secretaries of all the states to personally monitor the implementation of the aforesaid rules along with actions plans prepared with respect to polluted river stretches, non-attainments cities, industrial clusters, restoration of water bodies, bio-medical waste management etc.

The Hon'ble Tribunal further directed the Chief Secretaries of all States to personally appear before the National Green Tribunal with the status report of compliance and future action plans as per Para 40 of the order dated 16.1.2019. Accordingly, the Chief Secretary of the State of Chhattisgarh appeared before the Hon'ble Tribunal on 30.04.2019 and submitted the compliance report. Subsequently, the Hon'ble Tribunal vide order dated 30.04.2019 directed the Chief Secretary to furnish a quarterly progress report every three months with first such report to be furnished by August 05, 2019. The first quarterly progress report was submitted on August 03, 2019. As per order dated 12.09.2019 of Hon'ble NGT, the CPCB vide their letter dated 27.09.2019 prescribed format for progress report. Accordingly, the second quarterly progress report is as follows:-

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1. Compliance to Solid Waste Rules including Legacy Waste

Name of Designated Officer:

1. Ms. Alarmemangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.
2. Mr. T.C. Mahavar, Secretary, Panchayat and Rural Development.
3. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.
4. Mr. Narendra Kumar Shukla, Director, Town and Country Planning.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Rule 11(1)(a) to 11(1)(d): 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 168 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.	Achieved	NA	NA
2.	Rule 11 (1)(e): 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.	To ensure the provision for setting up of solid waste processing and disposal facilities in the 34 master plans.	Provision for setting up of solid waste processing and disposal facilities in the master plan of remaining 05 cities, except NRDA.	15.01.2020
3.	Rule 11(1)(f): Identification and Allocation of Suitable Land for setting-up processing and disposal facilities for solid waste.	UAD	In all 168 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.	Achieved	NA	NA

4.	Rule 11(1)(g): To direct Oand 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 nonresidential 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 nonresidential 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.	To be achieved.	Notification will be issued in this regard.	30.04.2020
5.	Rule 11(1)(h): To direct the developers of SEZ, 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 industry is located or through the nearest ULB, as the case maybe.	NA	NA	NA
6.	Rule 11(1)(i): Facilitate establishment of common regional sanitary landfill.	UAD	The 166 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 by 06.03.2019	The 166 ULBs of the State following the MCC (Mission Clean City Model of Ambikapur) model do not require establishment of common regional sanitary landfill. Remaining 02 ULBs (Bilaspur and Raipur) require sanitary landfill.	Construction of Sanitary Landfill at Raipur.	Establishment of Integrated Solid Waste Processing Facility with Sanitary Landfill is in progress in Raipur and it will be commissioned by 31.12.2019.

7.	Rule 11(1)(j): To arrange for capacity building of local bodies in managing solid waste, segregation and transportation or processing of such waste at source.	UAD	Time to time training, workshops, seminar etc. for the ULB staffs are being conducted by UAD 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.	Achieved (Continuous)	NA	NA
8.	Rule 11(1)(k): To notify buffer zone for the solid waste processing and disposal facility of more than 05 tonnes/day in consultation with CECEB.	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).	Achieved	NA	NA
9.	Rule 11(1)(l): 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.	Achieved (Continuous)	NA	NA
10.	Rule 12: 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 meetings were held by all 27 District Collectors in the month of July 2019. Reports have been submitted to UAD and State Level Committee (SLC).	Achieved (Continuous)	NA	NA
11.	Rule 13: To prepare Policy and Solid Waste Management Strategy in rural areas.	P & RD	Guidelines regarding SLRMs have been prepared and circulated by Panchayat and Rural Development Department vide letter dated 04.09.2018.	Achieved	NA	NA

12.	Rule 15(a): Preparation of Solid Waste Management Plan and submission to State Government.	Local Bodies	<p>UAD: The Mission Clean City Guidebook (Plan and Strategy) for 168 ULBs have been prepared. The strategy has been approved and issued for implementation on 07.09.2016</p> <p>Panchayat: Out of the proposed 2703 Gram Panchayats, DPRs have been prepared for 2098 Gram Panchayats. Construction of 91 SLRM centers have already started.</p>	<p>UAD: Achieved.</p> <p>Panchayat: As per the approved action plan, SLRM centers in 2703 gram panchayats have to be established by March 2020.</p>	<p>Out of 2703, DPR of 1733 Gram Panchayats have been approved. Approval of 970 DPRs is pending.</p>	<p><u>In 2019-20:</u> 1965 TPD waste in 2703 Gram-Panchayats will be processed and 24.62% Gram-Panchayat will be covered.</p> <p><u>In 2020-21:</u> Additional 1800 TPD waste in 2500 Gram-Panchayats will be processed and 47.39% Gram-Panchayat will be covered.</p> <p><u>In 2021-22:</u> Additional 1800 TPD waste in 2500 Gram Panchayats will be processed and 70.16% Gram-Panchayat will be covered.</p> <p><u>In 2022-23:</u> Additional 1800 TPD waste in 2500 Gram Panchayats will be processed and 92.93% Gram-Panchayats will be covered.</p> <p><u>In 2023-24:</u> Additional 500 TPD waste in 726 Gram-Panchayats will be processed and 100% Gram-Panchayat will be covered.</p>
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13.	Rule 15(b): ArrangeDoor to Door Collection	Local Bodies	Out of 168 ULBs, 100% door-to-door collection is achieved in 166 ULBs.	100% door-to-door collection in all 168 ULBs	100% door-to-door collection is not yet achieved in Raipur and Bilaspur. Efforts are being made to improve the same.	Necessary system and facilities have already been developed in all ULBs. But improvement in behavioral changes are required for certain citizens and ULBs are facing marginal problems for the same. Further, ULBs are attempting to achieve the 100% source segregation and door to door collection of the total waste generated in the ULBs. It will be achieved by 31.12.2019
14.	Rule 15(c): Organization of Waste pickers	Local Bodies	Complete	Achieved	NA	NA
15.	Rule 15(d): Formation of SHGs	Local Bodies	Complete	Achieved	NA	NA
16.	Rule 15(e): 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.	Achieved	NA	NA
17.	Rule 15(f): Collection of user fee from waste generators	Local Bodies	Till the month of August 2019 approx. Rs. 35.40 Crore has been collected from waste generators as user fees by the ULBs w.r.t the notified SWM bye-laws.	Continuous	NA	NA
18.	Rule 15(g): 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 to the waste generators not to litter. IEC campaigns have been conducted on regular basis across all ULBs for the same.	Achieved (Continuous)	NA	NA

19.	Rule 15(h): Set-up material recovery facility / secondary storage facility.	Local Bodies	Under MCC, 166 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 has been provided to 166 ULBs under MCC. In Bilaspur and Raipur, the waste is daily collected and transported to Integrated Solid Waste Processing Facility.	Achieved	NA	NA
20.	Rule 15(i): Set-updeposition 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.	Achieved	NA	NA
21.	Rule 15(j): 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.	Achieved	NA	NA
22.	Rule 15(k): 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.	Achieved (Continuous)	NA	NA
23.	Rule 15(l): Training to waste-pickers.	Local Bodies	Necessary trainings are being organized time to time under MCC scheme.	Achieved (Continuous)	NA	NA

24.	Rule 15(m): 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 has been issued for bulk waste generators (BWGs). The BWGs in the ULBs are complying the same.	Achieved	NA	NA
25.	Rule 15(n): 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 is also being maintained.	Achieved	NA	NA
26.	Rule 15(o): 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 waste are temporarily stored at processing facilities.	Achieved	NA	NA
27.	Rule 15(p): 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 and 2019. Every ULB is adopting the same. The garden and park waste is being processed at the onsite compost pit.	Achieved	NA	NA
28.	Rule 15(q): 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 168 ULBs for its conversion into compost.	Achieved	NA	NA
29.	Rule 15(r): Transport segregated Non-Biodegradable waste to processing facilities.	Local Bodies	The non-biodegradable/dry fraction is being taken to the waste processing facilities in 168 ULBs for its segregation and recycling. The recyclables are being sold to waste recyclers.	Achieved	NA	NA

30.	Rule 15(s): 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.	Achieved	NA	NA
31.	Rule 15(t): Promotion of home composting	Local Bodies	Various IEC activities have been carried out in the State under SBM and recent SwachhSurvekshan 2018 and 2019 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 "Balivaishya" has been awarded in the Innovation Category of Swachh Survekshyan 2019.	Achieved (Continuous)	NA	NA
32.	Rule 15(u): 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.	Achieved	NA	NA
33.	Rule 15(v): Adoption of Bio-mechanization 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. Bilaspur has already established Waste to RDF Plant.	Waste to RDF Plant in Bilaspur and Raipur Municipal Corporations.	Waste to RDF Plant in Raipur Municipal Corporation	Establishment of Integrated Solid Waste Processing facility with Waste to RDF plant is in progress and it will be commissioned by 31.12.2019

34.	Rule 15(w): Operate and maintain sanitary landfill for residual wastes.	Local Bodies	<p>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.</p> <p>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.</p>	166 ULBs have no requirement of sanitary landfill. Sanitary landfill is required only in Bilaspur and Raipur Municipal Corporations.	Construction of Sanitary Landfill in Raipur Municipal Corporation	Establishment of Integrated Solid Waste Processing facility with sanitary landfill is in progress in Raipur and it will be commissioned by 31.12.2019
35.	Rule 15(x): Funds and Annual Budget	Local Bodies	Necessary directions have been sent to each ULBs 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.	Achieved	NA	NA
36.	Rule 15(y) and Rule 15(z): Authorization from CECB for waste processing unit and sanitary landfill.	Local Bodies	<p>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.</p> <p>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</p>	Authorization from CECB for Bilaspur and Raipur ISWM facility	Consent to Operate for Raipur ISWM facility is required to be obtained from CECB before commissioning of the same.	Consent to Operate for Raipur ISWM facility will be taken after commissioning of plant, i.e. 31.12.2019.

37.	Rule 15(za) and (zb): Submission of Annual Report.	Local Bodies	For the year 2018-19, the annual reports of 168 ULB's have been submitted to CECB vide letter dated 07.06.2019.	Achieved	NA	NA
38.	Rule 15(zc): Educate supervisors of door-to-door collection to collect unmixed waste.	Local Bodies	Necessary trainings are being organized time to time under MCC scheme.	Achieved (Continuous)	NA	NA
39.	Rule 15(zd): 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 workers dealing with collection, transportation, processing and disposal of solid waste.	Achieved	NA	NA
40.	Rule 15(ze): 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 BhumiVikasNiyam, 1984 and necessary steps are being taken in this regard by Department of Town and Country Planning.	All Building plans to include segregation of waste	Notification will be issued in this regard	30.04.2020
41.	Rule 15(zf): 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. Till Month of August 2019 approx. Rs. 44.50 Lakh fine have been collected from 24600 violators.	Achieved (Continuous)	NA	NA
42.	Rule 15(zg): 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.	Achieved (Continuous)	NA	NA
43.	Rule 15(zh): Stop dumping of mixed waste soon after setting-up of sanitary landfill.	Local Bodies	As MCC model is adopted in 166 ULBs, landfilling and dumping of mixed waste had been stopped.	Achieved	NA	NA
44.	Rule 15(zi): 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.	Sanitary landfill in Bilaspur and Raipur Municipal Corporations	Construction of sanitary landfill in Raipur Municipal Corporation	Establishment of Integrated Solid Waste Processing facility with sanitary landfill is in progress in Raipur and it will be commissioned by 31.12.2019.

45.	Rule 15(zj) and (zk): Bio-mine or cap the dump-sites.	Local Bodies	Dumpsites in 160 ULBs have been remediated. The Bioremediation techniques as per the CPCB guideline has been adopted for the remediation of existing dumpsites.	Remediation of all old dumpsites in all 168 ULBs	Bio-remediation of 08 ULBs namely Bhilai, Jagdalpur, Korba, Raigarh, Dhamtari, Durg, Bilaspur and Raipur having old dumpsites is under process.	DPRs have been prepared for the remediation of dumpsites. It will be completed before 31 st March 2021 i.e. before the timeline prescribed under the SWM Rules 2016.
46.	Rule 16: CECB shall review implementation of these rules at least twice a year, monitor environmental standards at disposal sites, grant authorization as per provision of the rules, regulate inter-state movement of waste.	CECB	Inspection of SLRM centers and integrated waste management facility carried out by CECB from time to time. As on date inspections of 139 SLRM centers have been done.	Inspection of SLRM centers to be done at-least twice a year.	Inspection of SLRM centres in 166 ULBs is pending.	Inspection of all SLRM centres of 166 ULBs shall be completed before March 2020.
47.	Rule 17: 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.	Collection of packaging waste from all manufacturer or brand owners of disposable products through EPR	Selection of consultant for implementation of EPR is in process.	Separate system for brand owner will be strengthened after finalization of EPR system and passage of Non-Biodegradable Material Bill 2019.
48.	Rule 18: Use of RDF by industrial units	Industries	Waste Management facility based on compost and RDF at Bilaspur has been commissioned on 06.03.2019.	CECB has directed the Cement Industries situated in the State to make necessary arrangements to utilize the RDF in their Plant.	RDF plant in Raipur is under construction.	31.12.2019
49.	Rule 19: Solid Waste Processing and treatment facility.	UAD	There are a total of 168 ULBs in the state out of which 166 ULBs have SLRM centers (based on Ambikapur Model) and remaining 2 ULBs of Raipur and Bilaspur have processing facilities. The facility at Bilaspur has commenced operation.	SLRM Centres in 166 ULBs and Solid Waste Processing and treatment facility at Bilaspur and Raipur.	Construction of Solid Waste Processing and treatment facility at Raipur	Establishment of Integrated Solid Waste Processing facility with sanitary landfill is in progress in Raipur and it will be commissioned by 31.12.2019.
50.	Rule 22: Completion of various activities within stipulated time frame such as identification of	UAD	Suitable lands have been identified and allocated to all 168 ULBs of the State for the solid waste processing facilities.	Achieved	NA	NA

	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.		In Chhattisgarh State out of 168 local bodies, 166 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 has already started and facility at Raipur is likely to be commissioned before 31.12.2019.	521 waste processing facility (SLRM centers and Compost Shed) for 166 ULBs and ISWM facility for Raipur and Bilaspur. Till now every ULBs have sufficient SLRM centers/ waste processing mechanism and these are running successfully	23 waste processing facility (SLRM centers and Compost Shed) will be commissioned on or before 31 st December 2019. After completion of rest waste processing facilities, the SWM model in the State will be improved and service delivery on SWM will be enhanced.	It will be commissioned on or before 31 st December 2019.
			For the remediation of legacy waste, 160 ULBs have already completed this work.	Remediation of all old dumpsites in all 168 ULBs	Bio-remediation of 08 ULBs namely Bhilai, Jagdalpur, Korba, Raigarh, Dhamtari, Durg, Bilaspur and Raipur	DPRs have been prepared for the remediation of dumpsites. It will be completed before 31 st March 2021 i.e. before the timeline prescribed under the SWM Rules 2016
			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).	Achieved	NA	NA
51.	Rule 23: Constitution of State level advisory body with Secretary, Urban development department as Chairman and to review matters related to implementation of these rule/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 16.04.2018, 05.09.2018, 30.10.2018, 22.04.2019, 24.06.2019, 23.07.2019 and 15.10.2019.	Achieved	NA	NA

52.	Rule 24: Annual report submission on implementation of these rules by local bodies to CECB by 30 th June every year and CECB to submit the Annual Report to CPCB by 31st July every year.	UAD / CECB	Annual report for the year 2018-19 has been submitted to CPCB vide letter dated 27.7.2019.	Achieved	NA	NA
53.	Environment Compensation: Estimate of value of environmental degradation and cost of restoration be prepared and compensation be planned and recovered from polluters for environmental restoration and restitution on that basis.	CECB	CECB in its Board meeting dated 18.07.2019 has adopted the criteria proposed by CPCB for recovery of Environmental Compensation. Action will be taken as and when required.	Achieved	NA	NA
54.	Para 7 of NGT order dated 16.01.2019: CCTVs have to be installed at all the dumpsites of the State.	UAD	CCTVs have been installed at the SLRM centers of Ambikapur Municipal Corporation and waste processing facility of Bilaspur Municipal Corporation to monitor the processing activities.	There is provision of minimum 4 CCTV cameras in each legacy waste dumpsite.	Cameras needs to be installed at 8 existing legacy waste dumpsites namely Bhilai, Jagdalpur, Korba, Raigarh, Dhamtari, Durg, Bilaspur and Raipur.	31.03.2020

55.	Para 9 of NGT order dated 16.1.2019: steps taken by Railway Administration by framing suitable action plans, removing encroachments and undertaking landscape of vacated land parcel to ensure compliance of SWM Rules.	UAD / SECR / Police	As per the Action Plan submitted by South East Central Railway (SECR) on 02.08.2019, the following action is proposed / in progress: <ul style="list-style-type: none"> • In Raipur, 257 illegal encroachments have been identified and the notices have been served upon them. • 63 encroachments have been identified in Rajnandgaon, Dongargarh and Bortalao which have already been removed in May 2019. • A committee has been constituted consisting of engineers, security (RPF), Police and Urban Local Bodies which shall give eviction notices to illegal encroachers and seek help of Police for eviction if the notice is not complied with. • Continuous patrolling is done to avoid coming of new encroachments. • Boundary wall of 170 km shall be constructed to prevent encroachment. Out of this 170 km, 10.98 km wall has already been constructed and the rest is in progress. 	As per action plan submitted by South East Central Railway (SECR)	Removal of encroachments. Vacant land shall be fenced and green belt shall be developed along the Railway-tracks. Construction of boundary wall needs to be completed.	All identified 257 encroachments shall be removed by October 2019. No timeline has been given for construction of boundary wall.
56.	Para 35 of NGT order dated 16.1.2019: Formation of Special Task Force.	State Government.	CECB had issued letters to all the District Collectors on 11.2.2019 to constitute STF as per the NGT order and STF has been constituted in all 27 Districts of the State.	Complete	NA	NA
57.	Para 44 of NGT order dated 16.1.2019: Whether all the drains (big or small) are tapped with appropriate measures (wire nets etc.) and it is ensured that no municipal solid and plastic waste is allowed to reach our river systems, lakes, water bodies, ponds, marsh lands and wetlands etc.	UAD	Before this monsoon season, all big and small drains had been cleaned by all the ULBs. Further, grill, mesh and nets are installed at the strategic locations of these drains to arrest solid and plastic waste entering into the water bodies. There are approx. 7784 Km length of drains in the ULBs and 1227 no. of screens have been installed in the strategic locations of these drains.	Achieved (Continuous)	NA	NA

58.	Model Towns: At-least three major cities and three major towns in the State and at-least three Panchayats in every District may be notified on the website within two weeks from today as model cities/towns/villages which will be made fully compliant within the next six months. Remaining cities, towns and villages Panchayats of the State may be made fully compliant in respect of environmental norms within one year.	UAD	UAD has notified 03 Municipal Corporations (big cities), 25 towns and the same is also published on UAD website. The environmental norms and parameters in the context of Urban Local Bodies have been fixed for the development model cities in the State of Chhattisgarh. An orientation program was conducted on 10.07.2019 to explain the environmental parameters with the officials of model cities. Further, in these cities, field level inspection for the Garbage Free City (GFC) Certifications have been carried out by MoHUA's Third party empaneled agency and results are waited for the same. FSTP plants are constructed for the treatment of septage generated in these model cities. Additionally, ULBs are developing proposals for the fulfilling of norm of model city and Department is mapping funding sources for the development of Model cities.	All model cities to be made fully complied.	SCF utilization in Cement Plants, Processing of Domestic Hazardous waste, establishment of C&D processing Plants and treatment of waste water is to be done in these Model Cities.	31.10.2019.
		Panchayat	Panchayat and Rural Development Department has vide notification dated 12.06.2019 notified 81 Village panchayats as Model Village panchayats which will be made fully compliant within prescribed timeline of 31.10.2019. Out of which DPR of 78 Gram Panchayats have been approved and work has already started in 77 Gram Panchayats.	All notified 81 Village Panchayats will be made fully compliant within prescribed timeline of 31.10.2019	DPR of 03 more Gram Panchayats is pending for approval.	31.10.2019

2. Compliance to Bio-Medical Waste Management Rules

Name and Designation of Designated Officer:

1. Ms. Niharika Barik Singh, Secretary, Health and Family Welfare Department.
2. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Rule 4(a) : Take all necessary steps to ensure handling of bio-medical waste without any adverse effect to human health and the environment	Health Dept / HCFs	<p>Bastar and Ambikapur: At present, HCFs at Bastar and Ambikapur, (Surguja Division) dispose off their wastes through deep burial within the premises. However, the process of setting-up CBWTFs at Kondagaon (Bastar Division) and at Ambikapur (Surguja Division) in progress. Land allocation has already been made to the operators of these facilities. EC has been granted to selected bidder at Kondagaon for Bastar Division. Further, TOR has been issued to CBWTF for Ambikapur (Kondagaon) by SEAC, Chhattisgarh for the grant of Environmental Clearance.</p> <p>Raigarh and Korba: RFP has also been issued for installation of incinerator facility at CBWTF at Korba and Raigarh by CECB on 18.7.2019 and they are in the process of establishment. After technical evaluation of the bids as per RFP, financial bids of selected bidders have been sent to Divisional Monitoring Committee, Bilaspur for further action on 01/10/2019.</p>	<p>Establishment of CBWTFs at Kondagaon, Ambikapur, Korba, Bijapur and Raigarh.</p> <p>Raigarh and Korba: Commercial bid to be finalized.</p>	<p>Process of obtaining EC is pending for CBWTF at Ambikapur.</p> <p>Raigarh and Korba: Tender process to be completed.</p>	<p>Ambikapur: To be operational by 30th October 2020 & Bastar: To be operational by 31st March 2020)</p> <p>Raigarh and Korba: Expected to be functional by 31st December 2020.</p>
2.	Rule 4(b): To provide adequate arrangements within the premises for storage of segregated bio-medical waste in coloured bags or containers.	Health Dept / HCFs	All District HCFs, which are associated with CBWTFs have storage area or demarcated space for storage of segregated bio-medical waste in coloured bags or containers.	All HCFs (Govt or Pvt)	All Govt and Private HCFs which are not associated with CBWTFs also need to demarcate separate space for storage of BMW waste.	31.10.2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
3.	Rule 4(c): To provide adequate on-site arrangements to pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization.	Health Dept / HCFs	All HCFs have onsite arrangements to pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization.	All HCFs	-	-
4.	Rule 4(d): Ensuring Phasing out the use of chlorinated plastic bags, gloves and blood bags within two years from the date of notification of these rules i.e. on or before 27/03/2018.	Health Dept / HCFs	All HCFs are using non chlorinated plastic bags, gloves and blood bags. No data provided for compliance of the same by private HCFs.	All HCFs	-	-
5.	Rule 4(e): Disposal of solid waste as per SWM rules, 2016	Health Dept / HCFs	Separate bins are kept for general solid waste.	All HCFs	-	-
6.	Rule 4(f): Not to give treated Bio-Medical Waste with Municipal Solid Waste.	Health Dept / HCFs	Complied by all HCFs.	All HCFs	-	-
7.	Rule 4(g): Providing proper training to all its health care workers and others for safe handling of all types of bio-medical wastes to avoid any health hazard of the workers dealing with handling of bio-medical wastes.	Health Dept / HCFs	All the Government. Health facilities are organizing regular training of Bio-Medical Waste management to BMW handlers. Department has now made it mandatorily to organize biannual training in Jan and July month of every year.	Achieved	-	-
8.	Rule 4(h): Ensuring Immunization of all its health care workers and others dealing with handling of bio-medical wastes.	Health Dept / HCFs	All the Government. Health facilities are organizing regular immunization to BMW handlers. Department has now made it mandatorily to organize biannual immunization camp in Jan and July month of every year. Total 6878 staff of Govt. HCFs have been immunized against Hepatitis-B and TT.	All HCFs	Compliance with respect to Private HCFs needs to be furnished.	31.01.2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
9.	Rule 4(i): Establish Bar-Coding system.	Health Dept / HCFs	Out of the 04 existing CBWTFs in the state - two CBWTF-Service Providers namely M/s SMS Watergrace Enviro protect Pvt. Ltd Siltara Raipur and M/s Envirocare International (Chhattisgarh) Bilaspur and Durg have introduced Bar Code System with their respective associated HCFs.	All 6 CBWTFs to have bar-coding system. (4 existing CBWTF and 02 proposed new CBWTF)	02 CBWTFs at Korba and Raigarh will establish Bar-Coding system after being upgraded to incinerator facility. Bar-coding at other 02 at CBWTFs at Bastar and Sarguja will be done once they are established.	In Raigarh and Korba by 31.12.2020 Sarguja Division by 31.12.2020. InBastar division by 31.05.2020.
10.	Rule 4(j): Ensure segregation of liquid chemical waste at source and pre-treatment prior to mixing with other waste.	Health Dept / HCFs	Liquid chemical waste generated in all Healthcare facilities are segregated in a container at source and pre-treatment is done chlorine solution/hypochlorite solution. Additionally, ETP is being established in district hospitals.	Arrangement of effluent treatment in all HCFs	-	31.12.2019
11.	Rule 4(k): To ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974 by providing by installation of effluent treatment plant (ETP).	Health Dept / HCFs	Presently, 55 Government HCFs have established ETPs. Finalization of ETP design is under process in consultation with CGMSC and NIT Raipur and the same shall be established in the District Hospitals by 31.12.2019. Chhattisgarh Medical Services Corporation is in the process of establishing Effluent Treatment Plant in 23 Government District Hospitals.	To establish ETPs in all Health Care Facilities.	ETPs are yet to be established in all government and Private HCFs	31.12.2019
12.	Rule 4(l): Providing personal protective equipments to all health care workers handling BMW waste.	Health Dept / HCFs	All Health Care Facilities have PPE (Mask, Cap, Apron, Gum Boot, Goggle & heavy duty Gloves) for Nursing, Paramedical Staffs, Housekeeping, BMW handler & Kitchen Staff.	Achieved	-	-
13.	Rule 4(m): Conduct health check-up of workers handling BMW waste.	Health Dept / HCFs	Facility level health check-up for BMW handlers is being organized. Now departments have made it mandatory to conduct biannual health check-up in January and July month of every year through DHA circular dated 1.7.2019. All Government HCFs had conducted health check-ups in the month of July 2019 for workers handling BMW waste.	Achieved	-	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
14.	Rule 4(n): To maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding	Health Dept / HCFs	As per Rule 4 (n), out of 4 CBWTFs operators, two operators at Raipur and Bilaspur are maintaining register and record for bio-medical wastes quantity and are displaying monthly records on their websites. All Government. HCFs are maintaining and updating bio-medical waste management register on day to day basis. Health Department has also developed online Bio Medical Waste Management portal. All Government. HCFs has to enter monthly record of bio medical waste generated in the online portal.	All CBWTFs and HCFs	Compliance with respect to Private HCFs and 02 CBWTFs is remaining.	16.03.2020
15.	Quantity of generation of Bio medical waste and disposal through – 1. CBMWTF 2. Deep Pit/ Sharp Pit		- <u>Through CBMWTF:</u> the quantity of waste disposed is – 9.6 tons/Day in the HCFs. - <u>Through Deep Pit/Sharp Pit,</u> the quantity of waste disposed from all the districts is 6.4 tons/Day.	All HCFs	-	-
16.	Rule 4(o): Report major accidents.	Health Dept / HCFs	No major accidents reported.	NA	NA	NA
17.	Rule 4(p): To make own website within two years and upload annual report on the website	Health Dept / HCFs	Health Department has developed online Bio Medical Waste Management portal. All Government. HCFs has to enter monthly record of bio medical waste generated in the online portal.	All HCFs	Compliance with respect to Private HCFs needs to be strengthened.	16.03.2020
18.	Rule 4(q): Inform the prescribed authority in case the operator of a facility does not collect the BMW waste within agreed time.	Health Dept / HCFs	No such complaints have been received by CECB till now.	NA	NA	NA
19.	Rule 4(r): Establishment of committee by HCFs for monitoring activities related to BMW waste management	Health Dept / HCFs	Bio- Medical Waste Management monitoring/ review committee have been formed in all HCFs.	Achieved	NA	NA
20.	Rule 4(s): Maintain records for operation of	CBWTF	All operators of a common bio-medical waste treatment facilities at Raipur, Bilaspur, Korba and	Achieved	NA	NA

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	incineration. Hydro or autoclaving of 5 years.		Raigarh are maintaining record for operation of incineration/hydro/autoclaving/deep burial.			
21.	Rule 4(t): Existing incinerators to achieve the standards for treatment and disposal of BMW waste as per Schedule II.	CBWTF	There are 2 incinerator facilities in the state which are meeting the standards laid down in BMW Rules and one CBWTF namely M/s E-Tech Private Limited has been closed down for violation of BMW Rules 2016.	Achieved	NA	NA
22.	Rule 5: Duties of CBWTF	CECB / CBWTF	<p>As per Rule 5 (j) log books for each of its treatment equipment have been provided by all operators.</p> <p>As per Rule 5 (l), SMS Watergrace Enviroprotect Pvt Limited (Bilaspur) has created its own website and has uploaded its record on the same.</p> <p>As per Rule 5 (m) all operators are giving the recyclables from the treated bio-medical wastes such as plastics and glass after mutilation/shredding to the registered recyclers.</p> <p>As per Rule 5 (n) non-chlorinated plastic coloured bags are being provided by operators to all associated HCFs. All bio-medical wastes are being collected from HCFs by operators regularly.</p> <p>As per Rule 5 (q) operators of common bio-medical waste treatment facilities at Raipur and Bilaspur have provided incinerator as per specification.</p> <p>There are 02 CBWTF-Service Provider which are based on incinerator facility and each of them has installed Online Emission Monitoring System.</p>	Compliance by all CBWTFs as per Rule 5	<p>Remaining 03 operators at Bilaspur, Korba and Raigarh are in process of developing the website.</p> <p>Action is being taken to upgrade existing deep burial method to incineration method in CBWTFs at Korba and Raigarh.</p>	30.03.2020
23.	Rule 6: Duties of CECB, Health Department etc.	CECB / Health	The inventorization of HCFs of Chhattisgarh state has been completed by CECB for all the 27 districts and already been sent to Hon'ble NGT, Principal Bench, New Delhi and CPCB, Delhi vide letter dated 05.10.2019.	Complete	NA	NA
24.	Rule 7: Bio-Medical Waste shall be treated and disposed of in accordance	CECB / Health Dept.	Rule 7(1), Rule 7(3), Rule 7(4) and Rule 7 (10) has been complied with.	Shredder machine and ETP needs to be installed in all	Installation of Shredder machine and ETP is under	31.12.2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	with Schedule I and Schedule II of the Rules, no occupier shall establish on-site treatment facility if service of CBWTF is available within 75 kms, in the absence of CBWTF incinerator is to be set-up by occupier, occupier shall phase-out use of chlorinated plastic bags, CBWTF to set-up equipments like incinerator, autoclave, shredder, ETP etc prior to its commencement, HCFs and CBWTF to maintain record of recycle wastes etc.		Occupiers (HCFs) have established their own disposal facility where services of the common bio-medical waste treatment facilities are not available. As per Rule 7(10) operators of common bio-medical waste treatment facilities at Raipur, Bilaspur, Korba and Raigarh are maintaining record of recyclable wastes. Liquid waste and Plastic waste is disposed-off after disinfection. Glass and metal Waste is kept in separate blue bins and is discarded as per the Rule.	HCFs.	process.	
25.	Rule 8: No untreated BMW waste shall be mixed with other waste, containers and bags to be labeled as per Schedule VI, BMW waste to be transported in Vehicles having labels as provided in Schedule IV, untreated human anatomical waste not to be stored beyond the period of 48 hours, microbiological waste to be pre-treated by sterilization before sending it to CBWTF.	CECB / Health	Complete	Complete	NA	NA
26.	Rule 10: All HCFs / Occupier / CBWTFs / to have obtained authorization from CECB	CECB / Health	Status of authorization- a. <u>Authorization received by</u> - • Govt. HCFs - 1012 HCFs	All HCFs should have authorization under BMW management rules	1 Govt. HCFs & 1155 Pvt. HCFs are not authorized.	Authorization under process for 1 Govt. HCFs. All the Collectors,

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
			<ul style="list-style-type: none"> • Pvt. HCFs - 1705 HCFs b. <u>Authorization under process</u> - <ul style="list-style-type: none"> • Govt. HCFs - 01 HCFs • Pvt. HCFs - 264 HCFs c. <u>HCFs not applied for authorization</u> – <ul style="list-style-type: none"> • Govt. HCFs - 0 HCFs • Pvt. HCFs - 1155 HCFs 	2016		CMHOs and CECB jointly along with IMA, will organize Dist. Level workshop for Pvt. HCFs with regards to authorization and other compliance of BMW management rules 2016.
27.	Authorization to Veterinary Institutions/HCFs	Directorate of Veterinary Services	<p>Inventory: Inventory of all 406 Departmental Veterinary Institutes in the state is complete.</p> <p>Authorization: Out of the total 406 veterinary Institutes - 390 are in the purview of authorization of CECB as the remaining 15 Artificial Insemination Centres are operating in the same campus with Veterinary Hospital. All 390 veterinary institutes have applied for authorization with CECB and CECB has granted authorization to 240 veterinary Institutes.</p> <p>Segregation: Most of the Veterinary hospitals, Animal Labs segregate waste in color coded bins as per the BMW Rules.</p> <p>Disposal Disposal is done via 3 institutes, that is, State Veterinary Hospital Pandri, Veterinary Hospital Bayron Bazar and State DI Lab Pandri Raipur. Total 183 Veterinary Institutes are within the 75km radius of CBWTF which dispose off waste through the respective CBWTFs whereas the remaining 207 veterinary institutes not situated within 75 km radius dispose off waste through deep-burial method.</p>	<p>All Veterinary Institutes to obtain authorization.</p> <p>All Veterinary Institutes to dispose of waste through CBTWF.</p> <p>All 6 CBWTFs (4 existing CBWTF and 2 proposed new CBWTF)</p>	<p>Authorization needs to be obtained by remaining 150 Veterinary Institutes.</p> <p>30% Veterinary Institutes do not have color coded bins.</p> <p>4 new CBWTF facilities based on incineration method are being proposed in Korba, Raigarh, , Ambikapur and Baster.</p>	<p>31.12.2019</p> <p>Color coded bins in all Veterinary Institutions shall be assured by December 2019 subject to availability of budget under RKVY.</p> <p>31.12.2020</p>

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
			Training: "Master Trainers Training on BMW Rules 2016" had been conducted on 31.7.2019 in which 3 officers from each district had been trained to provide training at district level. Information regarding BMW waste disposal has been uploaded in departmental mobile App "Pashudhan mitan"	Yearly training of Departmental staff.	District level training is yet to be conducted.	District level training would be accomplished by December 2019.
28.	Rule 11: The Advisory Committee constituted under sub-rule (1) and (2) shall meet at least once in six months and review all matters related to implementation of the provisions of these rules in the State and ensuring implementation of rules in all HCFs.	Health Dept	State Advisory Committee has been constituted vide letter dated 31.05.2016 as per the Rules. Meetings of committee were held on 13.4.2016, 16.11.2017 and 27.4.2019	Achieved	NA	NA
29.	Rule 12: District Level Monitoring Committee to submit report once in 6 months to State Advisory Committee and thereof forward it to CECB.	Health Dept	District Level Monitoring Committee and State Advisory Committee were constituted on 31.5.2016. All District Level Monitoring Committees have been holding regularly holding bi-annual meetings. The last report was sent by District Level Monitoring Committee to State Advisory Committee on 27.4.2019.	Achieved	NA	NA
30.	Rule 13 : Submission of Annual Report	Health / CECB	Annual Report on biomedical waste management for the year 2017 had been sent vide letter dated 23.08.2018. CECB has submitted the Annual Report for the year 2018 to CPCB on 26.7.2019. Online system for online submission of annual report has been developed and made live.	Achieved	NA	NA
31.	Rule 15: Reporting of major Accident while handling BMW waste.	CBWTF	Necessary instruction has been issued to all concerned. No occurrence of such accident till date.	NA	NA	NA
32.	Rule 17: Providing suitable site for setting-up of CBWTF	Health Dept.	Land allotment done for proposed CBWTF at Surguja and Kondagaon. EC has been granted to selected bidder at Kondagaon for Bastar Division. Further TOR has been issued to CBWTF for Ambikapur (kondagaon) by SEAC, Chhattisgarh for the grant of Environmental Clearance.	Establishment of new CBWTF at Surguja and Kondagaon.	Environment clearance for CBWTF at Ambikapur is under process.	31.10.2020

3. Compliance to Construction and Demolition Waste Rules, 2016

Name of Designated Officer:

1. Ms. Alarmelmangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.
2. Mr. T.C. Mahavar, Secretary, Panchayat and Rural Development.
3. Mr. Narendra Kumar Shukla, Director, Town and Country Planning.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Rule (6)(1): To issue detailed directions with regard to proper management of construction and demolition waste within its jurisdiction in accordance with the provisions of these rules and the local authority shall seek detailed plan or undertaking as applicable, from generator of construction and demolition waste.	Local Authority	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. The <i>Vidhvansh Se Srajan</i> model is a low cost, sustainable, decentralized model based on extensive segregation and recycling. It is combined with the benefits of citizen participation and urban livelihood promotion by involving business entities like women SHGs/ Contractor. The C&D waste generators are also directed to submit detailed action plan for management of C&D waste generated by them.	Achieved	Zero	Not required
2.	Rule (6)(2): To chalk out stages, methodology and equipment, material involved in the overall activity and final clean up after completion of the construction and demolition ;	Local Authority	ULBs are collecting, transporting, handling and disposing the C&D waste in their jurisdiction. For this ULBs are entitled to collect user charges from waste generators, on the basis of vehicle load as per the CG C & D waste management policy dated 15.09.2017.	Achieved	Zero	Not required
3.	Rule (6)(3): seek assistance from concerned authorities for safe disposal of construction and demolition waste contaminated with industrial hazardous or	Local Authority	The construction and demolition waste contaminated with industrial hazardous will be collected and disposed with the help of Industries itself and concerned authorities.	Partially Achieved	Assistance required from concerned Industries and authorities	31.03.2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	toxic material or nuclear waste if any;					
4.	Rule (6)(4): To make arrangements and place appropriate containers for collection of waste and shall remove at regular intervals or when they are filled, either through own resources or by appointing private operators;	Local Authority	The C&D waste is collected by ULB's separate vehicles in covered manner. ULBs are lifting the C&D waste from waste generators after receiving complaints through a toll-free number "Nidaan 1100" or by written complaints. The C&D waste has been transported in covered vehicles to the C&D waste processing facility of the ULB.	Achieved	Zero	Not required
5.	Rule (6)(5): To get the collected waste transported to appropriate sites for processing and disposal either through own resources or by appointing private operators;	Local Authority	As per the short-term plan, C&D waste management facilities have been established in the existing SLRM centers and waste is being utilized by ULB's in-house or by making recycled products such as tiles, bricks, paver blocks etc.	Achieved	Zero	Not required
6.	Rule (6)(6): To give appropriate incentives to generator for salvaging, processing and or recycling preferably in-situ;	Local Authority	No user charge is levied on waste generators, if C&D waste is dumped at designated site by waste generators with its own vehicle.	Achieved	Zero	Not required
7.	Rule (6)(7): To examine and sanction the waste management plan of the generators within a period of one month or from the date of approval of building plan, whichever is earlier from the date of its submission;	Local Authority	Direction will be sent to waste generators to submit waste management plan within a period of one month or from the date of approval of building plan.	Not Achieved	C&D waste management plans by waste generators	31.03.2020
8.	Rule (6)(8): To keep track of the generation of construction and demolition waste within its jurisdiction and	Local Authority	Monthly MIS is updated by all ULBs in MoHUA websites to record the generation of C&D waste in its jurisdiction.	Achieved	Zero	Not required

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	establish a data base and update once in a year;					
9.	Rule (6)(9): To device appropriate measures in consultation with expert institutions for management of construction and demolition waste generated including processing facility and for using the recycled products in the best possible manner	Local Authority	It will be done in consultation with expert institutions.	Partially achieved	Consultation with expert institutions is required.	31.05.2020
10.	Rule (6)(10): To create a sustained system of information, education and communication for construction and demolition waste through collaboration with expert institutions and civil societies and also disseminate through their own website;	Local Authority	IEC activities have been carried out in the State under SBM and recent Swachh Survekshan 2018, 2019 and 2020 for proper C&D waste management in the ULBs. Ambikapur, Jashpur and Bhilai ULBs are preparing paver, bricks by using C&D waste materials.	Achieved	Zero	Not required
11.	Rule (6)(11): To make provision for giving incentives for use of material made out of construction and demolition waste in the construction activity including in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	Local Authority	There is provision of using material made from C&D waste in WBM Roads, Highway roads, bricks, paver etc. within the State for all works undertaken within Govt. funds or municipal fund.	Not Achieved	Introduction of SOR item for using material made out of C&D waste in Construction activities.	31.01.2020
12.	Rule (8): State Pollution Control Board shall	CECB	Annual Report for the year 2019-20 was submitted by CECB to CPCB on 24.7.2019.	Implementation of these rules needs to		Annual report to be submitted before

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	<p>monitor the implementation of these rules by the concerned local bodies and the competent authorities. CECB shall grant authorization to construction and demolition waste processing facility in Form-III as specified under these rules after examining the application received in Form I. CECB shall prepare annual report in Form IV with special emphasis on the implementation status of compliance of these rules and forward report to CPCB before the 31st July for each financial year</p>			be strengthened.		the 31 st July for each financial year
13.	<p>Rule (9)(1):The Secretary in-charge of development in the State Government shall prepare their policy document with respect to management of construction and demolition of waste in accordance with the provisions of these rules within one year from date of final notification of these rules.</p>	Development Departments	<p>C & D waste management policy for Chhattisgarh State has been notified in State Gazette by the UAD on 15.09.2017 and Standard Operating Procedure on C&D waste management is notified on 04.12.2018.</p> <p>A business model has been prepared by UAD for management of construction and demolition waste in the state. This model was first put before the SLC in the 4th meeting and after obtaining the suggestions of SLC members on the same, the final model was presented in the 5th SLC meeting.</p>	Partially Achieved	UAD is facing problem in getting sanction for the proposed budget of INR 22.0 Crore for implementation of the Business Model. UAD has sent requisition vide letter dated 30.7.2019 to Government of Chhattisgarh for allocation of the budget, however no grant has been received so far. Additionally, vide letter dated 14.8.2019, a request has also been made to CPCB for grant	31.01.2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
					of fund of INR 22 Crore from the funds of the Hon'ble NGT in the matter of O.A. 606/2018.	
14.	Rule (9)(2): The concerned department in the State Government dealing with land shall be responsible for providing suitable sites for setting up of the storage, processing and recycling facilities for construction and demolition waste.	Revenue Dept.	As of now, waste is being processed per Rule 6(5) above.	-	Notification will be issued in this regard	30.04.2020
15.	Rule (9)(3): To incorporate the site in the approved land use plan so that there is no disturbance to the processing facility on a long term basis.	Town and Country planning Department	As of now, waste is being processed per Rule 6(5) above.	-	Notification will be issued in this regard	30.04.2020
16.	Rule (9)(4): Procurement of materials made from construction and demolition waste shall be made mandatory to a certain percentage (say 10-20%) in municipal and Government contracts subject to strict quality control.		The concerned construction departments like PWD, PHE, WRD, CGHB, RDA, NRDA, RES have been directed by the UAD vide letter dated 07.12.2018 and 18.12.2018 to prepare their Action plan for management of C&D waste generated by them and submit the same to respective ULB at the time of seeking prior approval for starting any construction activity.	Not Achieved	Introduction of SOR item for using material made out of C&D waste in Construction activities.	31.01.2020

4. Compliance to Hazardous and Other Waste Rules, 2016

The Hon'ble NGT in the matter of **Rajiv Narayan & Anr. Vs. Union of India & Ors**, (O.A no. 804/2017), vide order dated 12.04.2019 and 26.08.2019 directed all the Chief Secretary of the all states/ UTs to provide compliance status report on implementation of recommendations made by Monitoring Committee in its interim report as well as final report to monitor the provisions of Hazardous & Other Waste (Management and Tran boundary Movement) Rules, 2016. The status report is produced herewith.

Name and Designation of Designated Officer:

1. Mr. Subodh Singh, Secretary, Department of Labour.
2. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Direction of Hon'ble Tribunal in O.A. no. 804/2017	Details of State Level committee constituted for the purpose of compliance of HOWM Rules, 2016.	Current Status	Action plan along with time line for implementation of orders of Hon'ble Tribunal	Gaps identified for implementing the directions of Hon'ble Tribunal
1.	Vide orders dated 12.04.2019 Hon'ble NGT directed that " Having regard to the sensitiveness of the issue and impact of non-compliance on environment and public health, the above recommendations need to be fully implemented and monitored by the Chief Secretaries at State Level"	NA	Action plan has been prepared and sent to CPCB Delhi on dated 28.03.2019 and 03.05.2019.	<p>Action points as per the action plan is as follows</p> <p>Development of online submission of manifest system (December 2019).</p> <p>Establishment of Central Laboratory (31.12.2021).</p> <p>Setting-up of Common TSDF in the state(by 30.3.2020)</p> <p>Inventory of Hazardous waste and 'other waste'(31.9.2019).</p> <p>Third Party Inventorization.</p>	<p>Development of online submission of manifest system shall be completed by December 2019.</p> <p>Land acquisition for establishment of Central Lab has been done and Drawing and design has also been completed. Central Lab is scheduled to be completed by 31.12.2021.</p> <p>Land has been identified for setting-up common TSDF and CSIDC has also floated RFP for the selection of facility operator. The Pre-Bid query has been done with selective bidders. Last date of submission of proposal was 16 October 2019.</p> <p>Inventory for the year 2018-19 is under preparation and will be submitted by 30.3.2020.</p> <p>Third party inventorization of hazardous waste generating industries has been completed.</p>

Sr. No.	Direction of Hon'ble Tribunal in O.A. no. 804/2017	Details of State Level committee constituted for the purpose of compliance of HOWM Rules, 2016.	Current Status	Action plan along with time line for implementation of orders of Hon'ble Tribunal	Gaps identified for implementing the directions of Hon'ble Tribunal
				Identification and quantification of hazardous waste at the authorization stage. (Immediate)	-
				Inspection of hazardous units to be as per format circulated and such inspection report to be attached to authorization given. (Immediate)	-
				Authorization given should clearly stipulate mode of disposal, that is, common or captive incineration, landfilling, pre-processing, recycling, utilization, export, or storage). (Immediate)	-
				Non-compliance to be documented while processing authorization for renewal or inspection in order to invoke refusal or revocation of authorization. (Immediate)	-
				Up-gradation of website with respect to enforcement action with details of industries and action taken (Immediate)	Upgradation of website will be done by 31.12.2019
				Enforcement framework based on proportionality or precautionary principal (6 months).	-
				Develop guidelines for possibilities of HW recycle and utilization, for example, co-processing at cement plants. (Immediate).	CPCB guidelines in this regard is being followed and co-processing of HW is being done in cement klins.

Sr. No.	Direction of Hon'ble Tribunal in O.A. no. 804/2017	Details of State Level committee constituted for the purpose of compliance of HOWM Rules, 2016.	Current Status	Action plan along with time line for implementation of orders of Hon'ble Tribunal	Gaps identified for implementing the directions of Hon'ble Tribunal
				Identification of probable contaminated sites and impose polluter pays principal on person/industry responsible for such contamination (Continuous)	Identification of probable contaminated sites is being done regularly.
2.	<p>Vide orders dated 26.08.2019 Hon'ble NGT directed that "<i>All the Chief Secretaries of the States / UTs may be directed to submit biannually compliance report to CPCB by collecting information from the state Government/Department like Labor industries/ Environment and SPCBs/ PCCs.</i></p> <p>A compliance status report of the directions are required to be sent to CPCB before 31.10.2019</p>	<p>For effective implementation of the remediation plan at State level, Empowered Monitoring Committee chaired by Principal Secretary, Department of Environment having representatives from department of Industries, SPCB/PCC, Ground water development agency, etc. shall be constituted.(4 months) – Shall be constituted before the timeline.</p>	<p>In this regard a letter has been issued to Department of Labor and Department of Industry and all concern collector of the major districts for submission of compliance report to Chief Secretary on biannually basis vide the letter dated 4.10.2019.</p>	<p>Submission of biannually compliance report.</p> <p>Remediation of 5 identified contaminated site to be done and inspection and ATR to be submitted to CPCB by 19.9.2019.</p> <p>Verification of up gradation of display board by Hazardous units outside the factory gate needs to be done by CECB as part of their inspection. (Immediate).</p> <p>Board must ensure inspection before grant of authorization and verification of closing manifest and reconciliation of the same.</p> <p>Action to be taken against industries who have not submitted annual return.</p> <p>Setting-up of domestic hazardous waste collection centers.</p> <p>Conduct environmental audit of secured landfill sites and TSDF facility.</p> <p>National Hazardous Waste tracking system.</p>	<p>CECB is yet to submit its biannual report to the Chief Secretary.</p> <p>Under process</p> <p>-</p> <p>Provision is being developed in the portal for online submission of closing manifest and the same shall be made live by 31.12.2019.</p> <p>Action will be taken as and when necessary.</p> <p>Directions have already been issued to Urban Administration and Development Department in this regard.</p> <p>CECB visits captive secured landfills on regular basis. Environmental Audit of TSDF shall be done after its construction.</p> <p>National Hazardous Waste tracking system shall be developed by CECB after the setting-up of TSDF.</p>

Sr. No.	Direction of Hon'ble Tribunal in O.A. no. 804/2017	Details of State Level committee constituted for the purpose of compliance of HOWM Rules, 2016.	Current Status	Action plan along with time line for implementation of orders of Hon'ble Tribunal	Gaps identified for implementing the directions of Hon'ble Tribunal
3.	Vide orders dated 26.08.2019 Hon'ble NGT directed that " <i>The committee recommends Hon'ble Tribunal to direct Chief Secretaries of States to ensure effective and urgent implementation of the provisions of the rules as stipulated under Rules 5 (2) of HOWM Rules, 2016 by Department of Labour</i> "	NA	In this regard a letter has been issued to Department of Labor for submission of compliance report to Chief Secretary on biannually basis vide the letter dated 04.10.2019.	-	Compliance shall be ensured biannually.

5. Compliance to E-Waste Rules, 2016

The Hon'ble NGT in the matter of *Shailesh Singh v. State of UP* (O.A 512/2018) vide its order dated 10.08.2018, directed MoEF&CC and CPCB to prepare an action plan for enforcement of the e-waste rules as well as taking appropriate action against those violating the said rules. Subsequently, vide order dated 12.02.2019, the Hon'ble NGT has identified activities for SPCBs/PCCs & district administration and directed CPCB to spelt out parameters & methodology for the execution of the activities mentioned in the action plan. The NGT desired that the execution plan for enforcements of the E-Waste Rules be reviewed once in three months. The progress of the said action plan is detailed herein below.

Name and Designation of Designated Officer:

1. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Inventorization of E –waste generation	CECB	CECB had conducted inventorization of E-Waste on 12.05.2016 through a third party - M/s IRG South Asia Pvt. Ltd. New Delhi, and submitted report to CPCB on 24.06.2017. As per the inventorization report of 12.05.2016.	NA	NA	NA
2.	Identification of producers who have not obtained EPR Authorization	CECB / Customs department/ Ministry of commerce / Ministry of electronics and telecommunication	Currently, there are 12 EPR producers in the state who have obtained EPR registration from CPCB under section 5 of E-Waste Rules 2016. As per instructions received from CPCB the inspection of the above units have been done by CECB and the reports in the prescribed formats was sent to CPCB Delhi on 16.05.2019, 24.05.2019, 01.06.2019 and 03.08.2019.	Continuous activity for which support is required from Customs department, Ministry of commerce and Ministry of electronics and telecommunication.	NA	NA
3.	Verification of quantity of e-waste collected by producers. All the EPR authorized producers will be verified per year.	CECB and CPCB	The quantity of E-waste was verified by CECB on 20.05.2019, 25.05.2019, 27.05.2019 and 31.05.2019, during which 5 producer units were inspected. It was found that 33.60 Tonnes of E-waste has been collected in the year 2018-19.	Yearly verification	Verification of remaining producer units is required to be done for the year 2019-20.	30.12.2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
4.	Verification of systems provided by producers for collection and channelization of e-waste. All the EPR authorized producers will be verified per year.		All existing 12 EPR authorized units were inspected and verified in the year 2018-19 and 2019-20.	Yearly verification	NA	31.12.2020
5.	Verification of facilities of dismantlers and recyclers for their infrastructure and records. All the dismantlers/recyclers will be verified per year.	CECB and CPCB	<p>Currently, there is only 01 dismantlers/recyclers in the state who have obtained authorization from CECB under Section 10 and 11 of E-Waste Rules 2016 and the same was inspected in the year 2018-19 by CECB and CPCB. Subsequently, notice was issued to it (M/s ADV Metals, Rajnandgaon) on 04.04.2018 and 12.04.2019 for non-compliance of the condition stipulated in the e-waste. The recycler has taken necessary corrective measures.</p> <p>Authorization of another recycler (M/s Navrachna Recycling Pvt. Ltd., Rajnandgaon) was cancelled on 04.03.2018 for non-compliance of the condition stipulated in the e waste Authorization. Whereas, one Collection Centre namely M/s Attero Recycling Unit has closed down its unit due to non-availability of E waste. Hence, its Authorization has been revoked.</p>	Yearly verification	NA	31.12.2020
6.	Checking of informal trading, dismantling and recycling of e-waste. SPCBs/PCCs in coordination with District Administration has to carry out quarterly drive for checking of this activity.	CECB / District Administration	CECB has requested District Collectors for formation of District Level Committee for checking of informal traders.	Quarterly checking of informing trading.	Quarterly checking of informing trading.	-
7.	Facilitate collection and disposal of e-waste. State	CECB / CPCB / District	CECB has issued Authorization to 01 collection centre at Abhanpur and 01	Commissioning of recycler in the State.	-	Recycler unit is likely to be

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
	Government to formulate mechanism for collection and for incentivizing setting up of recycling facilities.	Administration	dismantler unit at Durg. CECB has already given consent to M/s Star E-processor unit at Arang Tehsil Raipur for dismantling and recycling. The capacity of this unit is 6000 MT/Ann. Yet to be commissioned.			commissioned soon.
8.	Governance frame work for monitoring compliance. Monitoring to be ensured at city/ district and state levels for which nodal officers (state environmental secretary, district collector, CMD/ Commissioners) to be designated.	CECB / CPCB / District Administration	Nomination for the appointment of nodal officers for frame work of monitoring purposes is under consideration.	Nodal officers to be appointed for ensuring compliance.	Nomination process to be completed.	31.12.2019
9.	Capacity building at district/state/CPCB level. Special workshops to educate functionaries in government/ NGOs be run over one year.	CECB / CPCB / District Administration	Training workshop was organized by CECB for general awareness on E-waste between 24.07.2018 to 26.07.2018.	NA	More training programmes are to be organized.	-
10.	IEC plan be firmed up and executed. State Government to firm up IEC plan for educating public at large about the system of collection, incentive structure and facilities for recycling.	CECB / CPCB / District Administration	Workshop on the theme of 'Awareness on Environment Hazard of E-waste" a flagship programme was organized by CECB from 17.09.2018 to 20.09.2018 under Digital India Mission and Swachh Bharat, in Phase-II.	IEC Plan needs to be framed and executed.	IEC Plan needs to be framed.	The IEC plan to execute over one year.
11.	Strengthening system of monitoring. Quarterly review of violations and enforcement actions at city/ districts/ state level and quarterly reports to be filed with CPCB	CECB / CPCB / District Administration	Compliance status of E-waste Management Rule 2016 has been submitted to CPCB on dated 19.06.2018. Annual report is being submitted to CPCB on regular basis in every year. Latest Annual Report for the year 2019-20 was submitted to CPCB on 27.09.2019.	Quarterly Report is required to be sent to CPCB.	Quarterly Report is required to be sent to CPCB.	31.01.2020

6. Compliance of Action Plan of Polluted River Stretches:

State Government vide order dated 22/11/2018 constituted 'River Rejuvenation Committee'. The River Rejuvenation Committee, in its meeting dated 29/01/2019 approved revised action plan for the polluted river stretches of Hasdeo, Kharun, Mahanadi, Shivnath and Kelo. The Revised action plan was submitted to CPCB, Delhi vide letter dated 30/01/2019. CPCB vide its letter dated 08/04/2019 ask for certain modifications in the action plan. After modification, modified action plans were again sent to CPCB vide letter dated 29/06/2019. The identified polluted river stretches in the state are as follows:

- a. **Hasdeo** river stretch from Korba to Uрга (20kms)
- b. **Kharoon** river stretch from Bhatagaon to Bendari (20 kms)
- c. **Mahanadi** river stretch from Sihawa to Arrang (70 kms)
- d. **Seonath** river stretch from Bemtato Simga (10 kms)
- e. **Kelo** river stretch from Raigarh to Kanaktora (15 kms)

Name and Designation of Designated Officer:

1. Mr. K.D.P. Rao, Additional Chief Secretary, Agriculture Department
2. Ms. Alarmelmangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.
3. Mr. Jai Singh Maskey, Secretary, Department of Forest.
4. Mr. Avinash Champawat, Secretary, Department of Water Resource.
5. Mr. Arun Goutham, Secretary, Department of Home (Transport).
6. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Action against defaulting industries discharging untreated effluent outside the premises.	CECB	Industries are maintaining zero discharge condition. Action against defaulting industries is taken as and when required.	Continuous	-	-
2.	Cleaning of drains before monsoon.	Nagar Nigam Korba, Raipur, Raigarh, concerned local bodies of Mahanadi Stretch, Seonath Stretch	Major drains of these ULBs had been cleaned before monsoon and screens were installed at strategic locations to check the solid waste entering the rivers. Details of drains cleaned, kilometer and no. of screen stalled in attached as Annexure-A .	Continuous	-	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
3.	Construction of Sewage Treatment Plant of 35 MLD for treatment of sewage flowing in various nalla and re-use treated sewage in thermal power plant on PPP mode in Korba, Raipur (at Chandandih, Kara, Nimora and Bhatagaon),Kanker, Dhamtari, GobraNavapra, Rajim, Simga,Badhe-Atarmuda, Banjipali Village	State Government / Nagar Nigam, Korba, Raipur, Raigarh,concerned local bodies of Mahanadi Stretch, Seonath Stretch / NTPC Korba	15% work has been completed in Raipur area while the work is yet to be started in Korba, Kanker, Dhamtari, GobraNavapra, Rajim, Simga,Badhe-Atarmuda, Banjipali Village. Work order has been issued for STP on Kelo River (Raigarh to Kanaktora stretch). Detailed project status of each area is attached as Annexure-A .	Construction of STP in all identified areas	Awaiting fund allocation and project approval for in Korba, Kanker, Dhamtari, GobraNavapra, Rajim, Simga,Badhe-Atarmuda, Banjipali Village.	31.03.2021
4.	Reuse of treated effluent for various purposes i.e. plantation, reuse for industrial purposes, Agriculture etc.	State Government / Nagar Nigam, Raipur, Raigarh,concerned local bodies of Mahanadi Stretch, Seonath Stretch	It will be done after the commissioning of STPs in these ULBs in coordination with agriculture department.	-	Construction of STPs are in progress.	31.03.2021
5.	Construction of STP by CSPGCL, Hasdeo Thermal Power Station Korba (West)	CSPGCL	STP commissioned.	Achieved	-	-
6.	To ensure rain water harvesting by the industrial, commercial and other institutions to promote ground water recharging.	Industry Department / Town and Country Planning Department / CECB / Nagar Nigam, Korba, Raipur, Raigarh, concerned local bodies of Mahanadi Stretch, Seonath Stretch	By industries: CECB has imposed condition regarding rain water harvesting by industries within their premises and the same is being followed by the concerned industries. Regular monitoring is being carried out for verification of the same.Till now 488 industries have installed 829 rain water harvesting systems whereas 98 are under installation. In addition, it has been decided to keep space (5% of total areas / minimum 05 plots) for rain water harvesting in future industrial areas.	Town and Country Planning has already provided the provision in rule 78 of Chhattisgarh Bhumi Vikas Niyam, 1984.	Completion of rain water harvesting system in remaining industries.	30.06.2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines																																						
			<p>By other establishments:</p> <table border="1"> <thead> <tr> <th colspan="2">Progress by UAD</th> <th rowspan="2">Target</th> <th rowspan="2">In Progress</th> </tr> <tr> <th>ULB Name</th> <th>Completed</th> </tr> </thead> <tbody> <tr> <td>Raipur</td> <td>4313</td> <td>8466</td> <td>4153</td> </tr> <tr> <td>Korba</td> <td>817</td> <td>1221</td> <td>404</td> </tr> <tr> <td>Raigarh</td> <td>88</td> <td>297</td> <td>209</td> </tr> <tr> <td>Dhamtari</td> <td>391</td> <td>482</td> <td>91</td> </tr> <tr> <td>Kanker</td> <td>54</td> <td>63</td> <td>9</td> </tr> <tr> <td>Simga</td> <td>47</td> <td>61</td> <td>14</td> </tr> <tr> <td>Rajim</td> <td>59</td> <td>112</td> <td>53</td> </tr> <tr> <td>GobraNavapara</td> <td>51</td> <td>57</td> <td>06</td> </tr> </tbody> </table>	Progress by UAD		Target	In Progress	ULB Name	Completed	Raipur	4313	8466	4153	Korba	817	1221	404	Raigarh	88	297	209	Dhamtari	391	482	91	Kanker	54	63	9	Simga	47	61	14	Rajim	59	112	53	GobraNavapara	51	57	06			
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7.	Plantation in flood zone in available spaces.	Forest Department / Nagar Nigam, Korba, Raipur, Raigarh, concerned local bodies of Mahanadi Stretch	<p>6.50 hectare (7150 no. of plants) has been covered with plantation in Korba to Uрга river Stretch.</p> <p>141.160 hectare (248602 no. of plants) has been covered with plantation in Kharun river stretches.</p> <p>13 hectare (14300 no. of plants) has been covered with plantation in Sihawa to Aarang river stretch.</p> <p>8.50 hectare (16388 no. of plants) has been covered with plantation in Raigarh to Kankatora river Stretch.</p>	Plantation in all 5 identified flood zone stretches.	03 out of 05 stretches has been completed. 02 stretch Sihawa to Aarang and Bemta to Simga will be done in next monsoon.	Next Monson Season																																						
8.	Prohibition of disposal of municipal solid waste and plastic waste in river as well as in municipal drains and levy of fine in case found violation.	Nagar Nigam, Korba, Raipur, Raigarh, concerned local bodies of Mahanadi Stretch, Seonath Stretch	<table border="1"> <thead> <tr> <th colspan="3">Rivers and Storm water drains</th> </tr> <tr> <th>Name of ULB</th> <th>No. of cases registered</th> <th>Amount of Fines Collected (INR)</th> </tr> </thead> <tbody> <tr> <td>Raipur</td> <td>286</td> <td>51400</td> </tr> <tr> <td>Korba</td> <td>23</td> <td>14950</td> </tr> <tr> <td>Raigarh</td> <td>330</td> <td>85300</td> </tr> </tbody> </table>	Rivers and Storm water drains			Name of ULB	No. of cases registered	Amount of Fines Collected (INR)	Raipur	286	51400	Korba	23	14950	Raigarh	330	85300	Continuous	N/A	Immediate																							
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Sr. No.	Action	Authority	Current Status			Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
			Dhamtari	43	13050			
			Kanker	62	53200			
			Simga	04	1000			
			Rajim	02	100			
			GobraNava para	01	500			
9.	Measurement of flow of river and records Maintained.	State Irrigation Department	Water resource department had prepared standard operating procedures (SOP) for the five rivers Seonath, Mahanadi, Kharun, Kelo and Hasdeo for maintaining e-flow in the rivers and the same is being followed.			There is no mandatory law specifying the level of e-flow to be maintained in the river. Water resource department is maintaining e-flow depending on the availability of water in the structure and conditional requirement.	NA	Continuous
10.	Requirement of E-flow in the river must be Maintained.	State Water Resource Department	Water resource department had prepared standard operating procedures (SOP) for the five rivers Seonath, Mahanadi, Kharun, Kelo and Hasdeo for maintaining e-flow in the rivers and the same is being followed.			There is no mandatory law specifying the level of e-flow to be maintained in the river. Water resource department is maintaining e-flow depending on the availability of water in the structure and conditional requirement.	NA	As per requirement
11.	Collection of information on irrigation water used per hectare for different crops by Agriculture Department and evaluate whether	Agriculture Department	An action plan has been prepared with the help of Agricultural Scientists, the use of water per hectare will be reduced by installation of drip in 1606 ha and sprinkler in 3800 ha in selected river stretches.			1606 ha by drip and 3800 ha by sprinkler is targeted to be covered.	1544.51 haarea for drip and 3557 ha area for sprinkler irrigation is yet to be covered.	The farmers are motivated for micro-irrigation and the target will be achieved by 2021.

Sr. No.	Action	Authority	Current Status		Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	use of Irrigation water per hectare has decreased or not? Based on the data obtained techniques like drip irrigation etc. should be promoted.		Presently, 61.49 ha is covered by drip and 243 ha is covered by sprinkler system for different crops.				
12.	Identification of encroachment area along the banks of the river	Nagar Nigam, Korba, Raipur, Raigarh, concerned local bodies of Mahanadi Stretch, Seonath Stretch / District Administration	Area	encroachment identified	Identification in progress	-	31.12.2019
			Korba	03			
			Raipur	identification in progress			
			Dhamtari	Nil			
			Kanker	01			
			nawapara	Nil			
			Rajim	01			
			Simga	04			
			Raigarh	01			
13.	Removal of encroachment from banks of the river and taking appropriate action to prevent re-encroachment by plantation, development of bio-diversity parks etc.	Nagar Nigam, Korba, Raipur, Raigarh, Birgaon, concerned local bodies of Mahanadi Stretch, Seonath Stretch / District Administration	Area	encroachment removed	Encroachment needs to be removed from remaining ULBs and plantation needs to be done.	Plantation is required to be done after removal of encroachment.	31.03.2021
			Korba	03			
			Raipur	identification in progress			
			Dhamtari	Nil			
			Kanker	01			
			nawapara	Nil			
			Rajim	Nil			
			Simga	Nil			
			Raigarh	Nil			
14.	Performance guarantee is required to be furnished to CPCB for compliance of the Action Plan.	UAD	The submission of performance guarantee of Rs. 10 Crore as per Hon'ble NGT order dated 08.04.2019 for the 5-polluted river stretches in the Chhattisgarh State is under consideration of State Government.		Performance guarantee needs to be submitted to CPCB	Approval from State Government is awaited.	-

7. Compliance of Action Plan on Non-Attainment Cities:

State Government vide order dated 28/11/2018 constituted 'Air Quality Monitoring Committee' for the State of Chhattisgarh. The Air Quality Monitoring Committee, in its meeting dated 01/12/2018 approved the action plan for the non-attainment cities of Raipur, Korba and Bhilai. The action plan was submitted to CPCB, Delhi vide letter dated 06/12/2018. CPCB vide letter dated 12/02/2019 intimated about the approval of Raipur action plan and directed to revise the action plan of Korba and Bhilai incorporating the recommendations of three members committee. Accordingly, revised action plan has been sent to CPCB vide letter dated 15.03.2019. The first quarterly progress report of Raipur was sent on 23.8.2019 and the report for Bhilai and Korba has been sent to CPCB on 3.8.2019, in the format prescribed by CPCB.

Name and Designation of Designated Officer:

1. Mr. Arun Goutham, Secretary, Department of Home (Transport).
2. Ms. Alarmemangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.
3. Mr. Jai Singh Maskey, Secretary, Department of Forest.
4. Mr. Manoj Kumar Pingua, Principal Secretary, Commerce and Industry.
5. Ms. Sangeetha P., Special Secretary, Department of Housing and Environment
6. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Restriction on plying and phasing out of 15 years old commercial diesel driven vehicles.	Transport Department	State government has laid down age limit for permit condition for buses (12 years) and trucks (15 years) under CG Motor Vehicle Rules 70A, which has been struck down by the Hon'ble High Court of Chhattisgarh in its order dated 26.07.2018 in WPC No. 2004/2017.	NA	NA	NA
2.	Regular checking of vehicular emission and issue of Pollution under Control Certificate (PUC).	Transport Department and Police Department	<p>Raipur: 75 PUC Centers are currently operating in Raipur and police department has taken action against 3623 vehicles between January 2019 to July 2019.</p> <p>Bhilai: 47 PUC Centers have been operating in Bhilai, 7822 vehicles were found to be operating without PUC between 2016-19 and a total fine of 55,54,100 has been collected in this regard.</p> <p>Korba: 13 PUC centers are currently operating in Korba and 2238 vehicles were checked for PUC certificate between April 2019-June 2019.</p>	<p>Raipur: 150 PUC Centers</p> <p>Bhilai: 130 PUC Centers</p> <p>Korba: 28 PUC Centers</p>	<p>Raipur: 75 additional PUC Centers are required to be established.</p> <p>Bhilai: 83 additional PUC Centers are required to be established.</p> <p>Korba: 15 additional PUC Centers are required to be established.</p>	October 2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
3.	Periodic calibration test of vehicular emission monitoring instrument.	Transport Department	<p>Raipur: Nil</p> <p>Bhilai: There are 02 calibration kits available in the transport department. The Periodic calibration test of vehicular emission monitoring instrument of all the PUC centres were completed.</p> <p>Korba: Nil</p>	<p>Raipur: Periodic Calibration test needs to be done.</p> <p>Korba: Periodic Calibration test needs to be done.</p>	<p>Raipur: Periodic Calibration test needs to be done.</p> <p>Korba: Periodic Calibration test needs to be done.</p>	December 2019
4.	Good traffic management including redirection of traffic movement to avoid traffic congestion.	Transport Department and Police Department	<p>Raipur: Vendor stalls and vehicles parked on road are being removed, diversion of road is done wherever necessary, traffic jam areas are monitored using ITMS cameras and regular patrolling is done areas of high congestion.</p> <p>Bhilai: CSIDC has constructed 3.5 kms of concrete road in industrial area of hathkhoj, DPS chowk to Hudko railway chowk and JP cement Ltd to Supela has been converted to 4 lane, Globe chowk to DPS chowk and DPS chowk to Maitri Vidya Chowk has also been converted to 4-lane, 883 meter long railway flyover has been constructed, 592 meter long over-bridge has been constructed at nehru nagar Railway Crossing. For transportation of heavy vehicles of industries Bhilai Steel Plant, flyover in Sector 3 has been constructed. 2.8 km road from Potiya to Borsi has been widened.</p> <p>Korba: Nil</p>	<p>Raipur: NA</p> <p>Bhilai: NA</p> <p>Korba: NA</p>	<p>Raipur: NA</p> <p>Bhilai: Nehru Nagar under-bridge and railway under-bridge between Bhilai and Durg is under construction.</p> <p>Korba: NA</p>	December 2019
5.	Promotion and operationalization of E-rickshaw.	Transport Department and Urban administration and Development	<p>Raipur: 1186 e-rickshaws and 207 E carts are currently plying in Raipur and 3 e-rickshaw charging stations have also been set-up. : Tax-exemption has been given for e-rickshaw registration.</p>	NA	<p>Bhilai: 05 new-e-rickshaw charging stations have also been identified which will be set-up.</p>	December 2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			Bhilai: 129 e-rickshaws are currently plying in Bhilai and 4 e-rickshaw charging stations have also been set-up. Tax-exemption has been given for e-rickshaw registration.			
6.	Monitoring on vehicle fitness.	Transport Department	<p>Raipur:56863 vehicles have been issued fitness certificate so far.</p> <p>Bhilai:16155 vehicles have been tested between the year 2016-19, out of which 315 vehicles were found unfit. Testing is done regularly.</p> <p>Korba:2238 vehicles have been tested between April-June 2019, out of which 17 were found unfit and a total fine of 41000 was collected from them.</p>	NA	NA	-
7.	Checking of fuel adulteration.	Food and Civil Supply Department/Oil Companies	<p>Raipur: Hindustan Petroleum Corporation Limited collected 963 samples in 2018 and 292 samples in 2019-20 which were found unadulterated. Food Department also collected 01 sample in 2018-19 which was found unadulterated.</p> <p>Bhilai: 55 petrol/diesel fuel stations have been inspected since 2019 by food department and Oil companies and none were found adulterated.</p> <p>Korba:30 out of 66 petrol/diesel fuel stations have been inspected so far and none were found adulterated.</p>	NA	NA	-
8.	Restriction on overloading of vehicles.	Transport Department	<p>Raipur:Actions have been taken against 419 vehicles for overloading so far and a total penalty of 75,95,000 have been collected in this regard.</p> <p>Bhilai: Between 2016-19, total 2683 vehicles have been fined for overloading to the tune of 4,84,19,600.</p>	NA	NA	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			Korba: In the year 2018-19: 378 vehicles have been fined to the tune of 62,79,500 for overloading and between April-June 2019 : 60 vehicles were fined to the tune of 7,12,000.			
9.	Augmentation of public transport system	Transport Department / Nagar Nigam Korba, Bhilai / DM korba and Bhilai	Nil	Action required as per action plan	Action required as per action plan.	December 2019
10.	Regular cleaning of road dust. 1. Washing of road 2. Mechanized road sweeping	Urban administration and Development	<p>Raipur:Total Length of road in Nagar Palik Nigam, Raipur – is 671 Km out of which 619 Km of Road has been cleaned since April 19. Roads having width 30 ft. or less are cleaned twice a week. Heavy dust roads are washed from time to time. Water spraying is also done regularly with the help of 8 tankers.</p> <p>Bhilai:Total Length of road in Nagar Palik Nigam, Bhilai – is 1233 Km out of which 912 Km of Road has been cleaned since April 19 with the help of 874 cleaning staff of Bhilai Nagar Nigam. Water spraying is also done regularly with the help of 8 tankers.</p> <p>Korba: Total Length of road in Nagar Palik Nigam, Korba – is 655 Km out of which 582 Km Road has been cleaned since April 19. Frequency of Road Cleaning twice a day. 285 staff members are involved in road cleaning.01 Mechanized sweeping machine is also used for road Cleaning. Water spraying is also done regularly with the help of 2 tankers.</p>	Mechanized sweeping needs to be strengthened in Raipur and Bhilai.	<p>Raipur: Presently Nagar Palik Nigam, Raipur does not have the facility of mechanized sweeping.DPR has been prepared and shall be put in MIC soon.</p> <p>Bhilai: Presently Nagar Palik Nigam, Bhilai does not have the facility of mechanized sweeping. DPR is under Preparation.</p> <p>Korba:DPR under preparation for mechanized sweeping of additional 35 KM</p>	December 2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
11.	Regular cleaning of road dust in industrial area.	CSIDC	<p>Raipur: Pucca road (C.C. & B.T.) has been made in industrial area Urla, Bhanpuri, Rawabhata and Siltara. Mechanised cleaning of road is done in the industrial area.</p> <p>Bhilai: Regular cleaning of roads and water spraying through tankers is being done by CSIDC and Nagar Nigam, Bhilai for the roads in industrial areas (heavy industrial area, Hathkhoj, light industrial area, industrial estate and engineering park) of Durg district. 05 km CC road and 35 km BT road has been constructed in Industrial Cluster Bhilai. Total 24 km pucca roads have been constructed in Industrial Development Centre, Borai.</p> <p>Korba: 02 Water Tanker are being used for water spraying on road in the industrial areas.</p>	Continuous	NA	NA
12.	Water spraying on roads through tankers.	Urban administration and Development / CSIDC	<p>Raipur: Timely cleaning and washing of roads is being done in the roads under ULBs as well as industrial areas Urla, Bhanpuri, Rawabhata and Metal park, Raipur.</p> <p>Bhilai: Water spraying work is being done everyday using 08 water-tankers. Additional 04 water-tankers are proposed by CSIDC.</p> <p>Korba: 02 Water Tanker are being used for water spraying on road in the industrial areas.</p>	Continuous	NA	NA
13.	Maintenance of roads to avoid dust emission.	CGPWD/Urban administration and Development/NHA/ CSIDC	<p>Raipur: Repairing of damages and black topping of roads is done from time to time. Pucca road (C.C. & B.T.) has been made in industrial area Urla, Bhanpuri, Rawabhata and Siltara. Mechanised cleaning of road is done in the industrial area.</p>	Continuous	NA	NA

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			<p>Bhilai: Town Service Department, BSP has issued tender to develop Pavor Block on both sides of road from Murga Chowk to Ispat Bhavan of BSP area. BSP management has black topped all roads within their area. Bhilai Nagar Nigam has black topped 1784 kms of road within their area. Bhilai Nagar Nigam has black topped 22 major roads in Nov-Dec 2018 within their area. 5 km of CC road and 35 km BT road has been constructed in Industrial Cluster Bhilai. Total 24 km black topped roads have been constructed in Industrial Development Centre, Borai. Efforts are being made for regular cleaning of roads and control of dust emission through water spraying.</p> <p>Korba: Total 1745 sq. mt. of road patches has been repaired since April 2019.</p>			
14.	Development of green belt in open areas, gardens, parks/ community places, schools & housing societies.	CECB/Concern Government Department/ Urban administration and Development	<p>Raipur: 10000 trees has been planted in public places, gardens, open areas, school and housing societies. 80,871 trees have been planted by industries in industrial area of Urla and Siltara in the year 2018 and 21,871 plants have been planted by forest department in 13.7 hectare of industrial area.</p> <p>Bhilai: With the help of Chhattisgarh Van Vikas Nigam, BSP management has planted 100000 nos. of saplings in their area. The plantation work of average 3000 plants per year is being done continuously by the Horticulture Department of BSP. BSP has established Maitri garden in 41.67 hectares area and Jawahar Nehru garden in 24 acres area in Bhilai city. Bhilai Nagar Nigam has developed gardens in 62 places. Industrial units have planted approx. 20000 nos. of plants in the industrial area of Bhilai under Hariyali scheme.</p>	NA	<p>Raipur: Plantation will be done by Nagar Palik Nigam Raipur in the Coming monsoon.</p> <p>Bhilai: 04 greenbelts are approved in industrial area. Collector, Durg has provided total two plots (1.69 hectares and 0.40 hectares area respectively) to Forest Department in Hathkhoj industrial area for development of 02 greenbelts. Total</p>	Coming Monsoon for Raipur and October 2019 for Korba and Bhilai.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			<p>Korba:37 Green spaces have been identified in urban area and 10,000 plants have been planted by forest department in Hasdev Thermal Power Plant (Korba West).</p>		<p>2299 nos. of plants are proposed to be planted in these greenbelts till 20 August, 2019.</p> <p>Korba:Total No. of Plant to be planted in identified green spaces is – 22000 and the estimated cost of plantation is – 1.55 Cr.</p>	
15.	Introduction of water fountains at major traffic intersection / circle.	Urban administration and Development	<p>Raipur:There are 77 major traffic intersections in Raipur, out of which Fountain has already been installed at 9 intersections.</p> <p>Bhilai:There are 53 major traffic intersections in Bhilai, out of which Fountain has already been installed at 38 intersections.</p> <p>Korba: There are 30 major traffic intersections in korba, out of which Fountain has already been installed at 01 intersection.</p>	NA	<p>Raipur:Installation of fountain at 5 other traffic intersections.</p> <p>Bhilai: CSIDC has planned to establish 04 new fountains (02 in industrial development centre, Borai and 02 in industrial cluster, Bhilai) for which total estimated cost is Rs. 30 lacs and proposed to be established till March, 2020. Nagar Nigam has planned to install 3 more fountains.</p> <p>Korba: Installation of fountain at 29 other traffic intersections.</p>	October 2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
16.	Covering of construction site.	Urban administration and Development / Town and Country Planning Department	<p>Raipur: 96 uncovered construction sites have been identified and have been issued notice, while 19 sites have been found to be covered.</p> <p>Bhilai: 293 uncovered construction sites have been identified and have been issued notice, while 237 sites have been found to be covered. Penalty of Rs. 3,07,000/- has been recovered from total 42 cases for storage of unauthorized C&D waste along roadside since January 2019.</p> <p>Korba: 350 uncovered construction sites have been identified and have been issued notice, while 280 sites have been found to be covered.</p>	Continuous	NA	-
17.	Transportation of construction materials like sand, soil, stone chips etc. in covered system.	Transport Department and Police Department	Construction materials like sand, soil, stone chips etc. is transported in covered vehicle.	Continuous	NA	-
18.	Restriction on storage of construction materials along the road.	Urban administration and Development	<p>Raipur: 222 cases has been registered and fine to the tune of 3.18 lakhs have been collected in the last 3 months.</p> <p>Bhilai: Fine to the tune of 1.54 lakhs have been collected in the last 03 months.</p> <p>Korba: 10 cases has been registered and fine to the tune of 4,600 have been collected in the last 3 months.</p>	Continuous	NA	-
19.	Restriction on open burning of municipal solid waste, Biomass, plastic, horticulture waste etc.	Urban administration and Development	Bhilai: Flying squad has been constituted by Nagar Nigam, Bhilai which monitor the littering and burning of solid waste regularly and 32 cases of open burning has been registered and a fine to the tune of 53,610 has been collected so far.	Continuous	NA	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			Korba: 02 cases of open burning has been registered and a fine to the tune of 700 has been collected so far.			
20.	Transportation of Municipal Solid Wastes, construction materials and debris in covered system.	Urban administration and Development	Transportation in all 3 cities is done in covered vehicles.	NA	NA	-
21.	Ensuring promotion and use of cleaner fuel for commercial purposes like local dhabas/eateries.	District Administration/Oil Companies	Raipur: Local dhabas/ eateries are inspected by food department from time to time. Bhilai: Commissioner Nagar Nigam, Bhilai has organized a meeting of all hotels and dhabas on 23/03/2019 and advised not to use coal, wood etc. as fuel. Use of LPG should be encouraged. Publicity in this regard is being done in the city.	Continuous	NA	-
22.	CSPGCL, Korba (East) Up-gradation of air pollution control equipments to bring emission to 50 mg/NM ³ .	CSPGCL, Korba (East)	Bank guarantee has been obtained by CECB from CSPGCL to reduce the stack emission from 150 milligram/Nm ³ to 50 milligram/Nm ³ .	Upgradation of air pollution control equipments to bring emission to 50 mg/NM ³	Upgradation work under progress.	December 2020
23.	CSPGCL, Korba (West) Up-gradation of air pollution control equipments to bring emission to 50 mg/NM ³ .	CSPGCL, Korba (West)	Bank guarantee has been obtained by CECB from CSPGCL to reduce the stack emission from 150 milligram/Nm ³ to 50 milligram/Nm ³ .	Upgradation of air pollution control equipments to bring emission to 50 mg/NM ³	Upgradation work under progress.	December 2020
24.	Control of fugitive emission in Gevra Open Cast Mine by use of mechanized sweeping machine, long range fogging	SECL, Gevra (Korba)	Mechanized sweeping machine has been received in august 2019 and long range fogging machine is being used from April 2019.	Mechanized sweeping will be commissioned soon.	-	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	machine.					
25.	Control of fugitive emission in Dipka Open Cast Mine by use of mechanized sweeping machine, long range fogging machine.	SECL, Dipka (Korba)	Mechanized sweeping machine has been received in august 2019 and long range fogging machine is being used from April 2019.	Mechanized sweeping will be commissioned soon.	-	-
26.	Control of fugitive emission in Kusmunda Open Cast Mine by use of long range fogging machine.	SECL Kusmunda (Korba)	Complete	NA	-	-
27.	Construction of four number SILO with rapid loading system along with new railway siding.	SECL Kusmunda (Korba)	Construction of SILO is in progress as per schedule, as of today- 62% of the work has been completed and targeted Plantation completed on 14.08.2019 (70000 nos of saplings planted).	Construction of four number SILO with rapid loading system along with new railway siding and Installation of Inpit conveying system	Remaining construction of SILO is pending along with new railway siding and Installation of Inpit conveying system.	Remaining work is likely to be completed by the December 2021.
28.	Maintenance of existing ash dykes to prevent spreading of ash in nearby areas by keeping dyke wet, by covering it with soil etc.	All Power Plant	It is being maintained regularly.	Continuous	NA	-
29.	Ensuring installation and operation of air pollution control devices in industries	CECB	Raipur: All industries have installed necessary air pollution control arrangements. Bhilai: All industries have installed necessary air pollution control arrangements.	NA	Augmentation of ESP in CSPGCL East & Westis being carried out in all	Expected date of completion is December 2020.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	and taking action against defaulting industries.		Korba: All industries have installed necessary air pollution control arrangements. ESP augmentation and Retrofitting work is in progress in CSPGCL East & West.		unit.	
30.	Upgradation of existing air pollution system by installation of ESP in sinter plant no. II	Bhilai Steel Plant	Order has been placed for ESP. Design engineering is in progress.	-	Installation of ESP is under progress.	February 2020
31.	Up-gradation of ESP in sinter plant no. III	Bhilai Steel Plant	Pilling job has been completed. 90% supply of structures completed.	-	Installation of ESP under progress.	February 2020
32.	De-fuming system installation in cast house of Blast Furnace 7	Bhilai Steel Plant	Major ESP work is completed.	-	Ducting jobs along the railway track & erection of manipulator in cast house is under progress.	January 2020
33.	Installation of bag filters in refractory material plant no.2	Bhilai Steel Plant	Pilling work for chimney is completed & other civil works in progress.	-	Installation of bag filter is under progress.	February 2020
34.	Ensuring emission standards in industries.	CECB	Raipur: CECB has issued Standard Operating Procedure (SoP) for 17 types of highly polluting industries and rolling mills to ensure emission standards. Bhilai: It's being regularly monitored. Korba: It's being regularly monitored.	Continuous	-	-
35.	Installation of CAAQMS	CPCB	Raipur: Stations identified for installation of CAAQMS stations at RDA Building, New Rajendra Nagar and Indoor Stadium near Buda Talab in Raipur. Supply of instruments awaited from CPCB.	-	Raipur: NOC for installation of CAAQMS stations is awaited from chief executive officer RDA Raipur and Zone Commissioner,	Raipur: Supply of instruments is awaited from CPCB.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			<p>Bhilai:01 CAAQMS is operational at Civic Center by Bhilai Steel Plant.</p> <p>Korba: 02 CAAQMS are operational at Indira Complex, Jamnipali and Balco parisar, Balco nagar by M/s NTPC and BALCO respectively</p>		<p>Zone no. 7, Nagar Palik Nigam Raipur.</p> <p>Bhilai:02 more CAAQMS stations are proposed in Bhilai City.</p> <p>Korba:NA</p>	Bhilai: March 2020
36.	Installation of six additional Ambient Air Quality Monitoring Stations under NAMP.	CECB	<p>Raipur:04 additional ambient air quality monitoring stations have been installed and operating under NAMP.</p> <p>Bhilai:03 NAMP stations are operational in Bhilai area and 01 CAAQMS is operational at Civic Center by Bhilai Steel Plant.</p> <p>Korba:Presently 04 stations under NAMP Project are working.</p>		<p>Raipur: Installation of remaining 02 ambient air quality monitoring stations is under progress.</p> <p>Bhilai: 02 more CAAQMS stations are proposed in Bhilai City</p> <p>Korba:NA</p>	<p>November 2019</p> <p>March 2020</p>
37.	Issue of advisory to public for prevention and control of air pollution.	CECB	Advisory has been uploaded on the website of CECB	Achieved	-	-
38.	Involvement of school and other academic institution in awareness program.	CECB	Eco-clubs have already been formed in schools for awareness program. CECB also organize awareness programmes during occasions like World Environment day, Earth Day, Ozone Day etc.	Continuous	-	-
39.	Develop interactive public grievance redressal portals on the pattern of CPCB portal "Sameer"	CECB	Web-portal for redressal of public compliant has been uploaded on the website of CECB	Achieved	-	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
40.	Conduct Source apportionment study and carrying capacity assessment	CECB / CPCB	Carrying capacity study of Raipur and Korba region has been completed. Order has been issued to IIT Kanpur for Source Apportionment study of Bhilai region.	Source apportionment of Raipur, Bhilai and Korba	Source apportionment study of Bhilai region is proposed.	March 2021
41.	Noise Limiters need to be installed on potential noise polluting devices, including retrofitting the existing devices	Housing and Environment Department	Notification in this regard is under consideration of State Govt.	Installation of noise limiter in all the sound devices.	Publication of Notification	06.11.2019
42.	Submit action plan for utilization of funds received by CECB as ' <i>consent and renewal fee</i> '	CECB	Action plan for utilization of consent fund was submitted to CPCB on 05.09.2019.	Achieved	-	As per action plan

8. Compliance of Action Plan on Re-use of Treated Water and STP

The Hon'ble National Green Tribunal in the matter of O.A. 148/2016 '*Mahesh Chandra Saxena v. South Delhi Nagar Nigam*', vide order dated 27.11.2018, noted that the states have failed to utilize treated waste water from STPs because of which it is the fresh water which is being wasted for the purpose of which treated water can be used. Therefore, all the states are being directed to prepare and furnish the action plan for utilization of treated sewage water to CPCB.UAD vide letter dated 26.4.2019 submitted the said action plan to CPCB.

Name and Designation of Designated Officer:

1. Ms. Alarmelmangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Set up a State Level Empowered Committee (SEC).	UAD	Formation of State level empowered committee (SEC) has been done on 23.08.2019.	Achieved	NA	Not required
2.	Strengthening of existing Technical Cell (TC) of departments.	UAD	Capacity building of the stakeholders is being done by the Technical Cell of the department.	Achieved	NA	Not required
3.	Preparation of City Waste Water Reuse and Recycle Plan (CWRRP)	UAD	City Waste Water Reuse Action plan has been prepared by Bilaspur and Kanwardha.	Partially Achieved	Action plan for cities in which STPs construction is in progress is yet to be prepared.	30.06.2020

9. Status of CETPs/ETPs including performance

In the matter of *Paryavaran Suraksha Samiti v. UOI* (O.A. 593/2017) and WPC 375/2012) order dated 19.2.2019, the Hon'ble NGT noted that in absence of functional ETPs/CETPs/STPs, untreated effluents are being discharged in water bodies leading to contamination of water. Such contamination is cause of various diseases and also adverse consequence on aquatic organism due to decreased level of oxygen. Thus, it directed the Chief Secretary to look into the subject of setting-up and proper functioning of STPs/ CETPs and ETPs in the state.

Name and Designation of Designated Officer:

1. Ms. Alarmemangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.
2. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	CECB has been directed to furnish a monthly report on the status of functioning of CETP/ETP/STP in the state.	CECB	<p>Board sends monthly status cum compliance report to the Central Pollution Control Board (CPCB), intimating them about the latest compliance status of ETP/STP/CETP in the state of each month. As per the latest monthly report sent to CPCB on 12.09.2019:</p> <p>ETP: 922 industries require installation of ETP in the state, out of which 814 have functional ETP and closure order has been issued against the remaining 142 industry which are operating without ETP.</p> <p>STP: There are 03 municipal and 80 non-municipal STPs in the state and all 83 STPs are fully-functional.</p> <p>CETP: Requirement of setting-up CETP has not arisen so far in the state.</p>	Complete	NA	NA

10. Ground Water Extraction/Contamination and Re-charge

In the matter of ***Naveen Sarawat v. State of Rajasthan***, Hon'ble National Green Tribunal, vide order dated 4.10.2017, directed that all the water intensive industries, shall be required to submit NoCs from Ground Water Authority, at the time of making application for Renewal of Consent to Operate. Subsequently, in ***Shailesh Singh v. Hotel Holiday Regency***, pursuant to the Order of the Hon'ble National Green Tribunal, dated 3.1.2019 (O.A. 176/2015), the Central Ground Water Authority (Ministry of Water Resources), New Delhi has issued an order dated 1.3.2019, wherein, NoCs for fresh ground water withdrawal shall not be granted by Central Ground Water Authority (CGWA) to industries, infrastructure units and mining projects located in Over-Exploited, Critical and Semi-Critical Assessment Units, except for drinking, domestic and for green belts.

Name and Designation of Designated Officer:

1. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	NOCs for fresh ground water withdrawal shall not be granted by Ground Water Authority to industries, infrastructure units and mining projects located in Over-Exploited, Critical and Semi-Critical Assessment Units, except for drinking, domestic and for green belts	CGWA/ CECB	As per the order of CGWA dated 01.03.2019, no new industry located in Over-Exploited, and Critical area is being issued consent under Water Act, 1974 and Air Act 1981. No industry located in Semi-Critical Assessment Units is being issued consent unless they have applied for NOC to CGWA and furnished a bank guarantee to this effect to the board.	Achieved	NA	NA

11. Control of Noise Pollution

Name and Designation of Designated Officer:

1. Mr. C.K. Khaitan, Additional Chief Secretary, Department of Home
2. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Content	Current Status	Desirable	Gap	Time Line
1.	Hon'ble NGT, in the matter of O.A 681/2018 vide order dated 15.03.2019.	CECB has asked IIT Kharagpur, NIT Raipur etc. to submit proposal for detailed noise mapping, identification of hot spot etc. in Raipur city.	-	-	Work is likely to be completed by 31.3.2020.
2.	No. of Stations for Ambient Noise Monitoring	CECB undertakes sound monitoring during Diwali festival every year and submits report to CPCB.	Permanent Ambient Noise Monitoring Stations are yet to be fixed.	Permanent Ambient Noise Monitoring Stations are yet to be fixed.	March 2020
3.	No. of Stations in Industrial Zone	-	-	-	-
4.	No. of Station in Commercial Zone	-	-	-	-
5.	No. of Station in Residential Zone	-	-	-	-
6.	No. of Station in Silence Zone	-	-	-	-
7.	Compliance of Ambient Standards (No. of Station) Industrial Zone Residential Commercial Zone Residential Zone	-	-	-	-
8.	Identification of Hot Spots	CECB has asked IIT kharagpur, NIT Raipur to submit proposal for detailed noise mapping, identification of hot spot etc. in Raipur city.			Work is likely to be completed by 31.3.2020.
9.	Designated Authorities defined as per Noise Rules (Y/N) (Details to be provide)	-	-	-	-
10.	Has Methodology been prepared for granting permission for installation of public Address System ? (Y/N) (Details to be provide)	-	-	-	-

Sr. No.	Content	Current Status	Desirable	Gap	Time Line
11.	Has Methodology been prepared for redressal of complaint on noise pollution ? (Y/N) (Details to be provide)	-	-	-	-
12.	No. of Police Stations equipped with sound level meter	298	452	154	04.04.2020
13.	No. of Police Station having officers trained as per Noise pollution Rules by SPCBs/PCs.	133	452	319	04.04.2020
14.	Has Protocol been developed for taking appropriate action against the defaulters ?	-	-	-	-
15.	No. of cities in which Noise Mapping has been done (if applicable)#	CECB has asked IIT Kharagpur, NIT Raipur etc.to submit proposal for detailed noise mapping, identification of hot spot etc. in Raipur city.	-	-	Work is likely to be completed by 31.03.2020.

12. Illegal Sand Mining

In reference to the above subject, the Hon'ble National Green Tribunal, Principal Bench, New Delhi, and in the matter of **Sudarshan Das v. State of W.B.**, OA 173/2018, vide order dated 04/09/2018 has highlighted the issue of large scale unchecked and illegal mechanized sand mining in certain states of India, accordingly certain directions were issued to Mining Department for compliance of 'Sustainable Sand Mining and Management Guidelines 2016' and other issues.

Name and Designation of Designated Officer:

1. Mr. Gaurav Dwivedi, Principal Secretary, Department of Mining.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Mining Department to ensure that the Project Proponent is guaranteeing that the security features of Transport Permission viz. (a) Printed on Indian Bank Association (IBA) approved Magnetic Ink Character Recognition Code (MICR) paper; (c) Unique Barcode; (d) Unique Quick Response Code (QR); (e) Fugitive Ink Background; (f) Invisible Ink Mark; (g) Void Pantograph; (h) Watermark	Department of Mining.	<p>Sand Rules, 2019 w.r.t. Sand Mining in Chhattisgarh was notified on 16.08.2019 and new NITs published following it. The newly declared sand mines are proposed to be operational from 16.10.2019.</p> <p>The transit pass for transportation of the excavated sand is printed by the authorized Government Press, on paper approved by Chhattisgarh government.</p> <p>The Chhattisgarh Mining Department's is controlling the Major Mineral mines by the web-based mines and minerals management system KHANIJ ONLINE developed by the Mineral Resources Department, Chhattisgarh and nationally awarded.</p>	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	<p>100% Gap</p> <p>Sand Mines Module is being developed for the 2nd phase and is proposed to go online very soon.</p> <p>The online security measures will be incorporated once the system goes online.</p>	As and when the government decides.
2.	Mining Department to ensure that the Project Proponent is guaranteeing that the CCTV camera, Personal Computer (PC), Internet Connection, Power Back up, access control of mine lease site; and arrangement for weight or approximation of weight of mined out mineral on basis of	Department of Mining.	The new sand rules have been formed by the state government and compliance of this point shall be done by project proponent but application of WEIGHBRIDGES in the context of sand is not relevant as the weight of dry and moisture laden sand is different. Also, the royalty rate of sand prevalent in CG is in cubic metres. Hence approximation of weight of mined out mineral on the basis of volume of the vehicle used for	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	100% Gap	As and when the government decides

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
	volume of the trailer of vehicle used at mine lease site are available.		transportation is in practice.			
3.	Mining Department to ensure that the Project Proponent is guaranteeing Scanning of Transport Permit or Receipt and uploading the same on the on Server.	Department of Mining.	Currently the transit pass printed by the Govt. Press is issued in two copies, one for transporting vehicle and the second for submitting to concerning district Mining Officer for further issuance of transit pass.	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	100% Gap	As and when the government decides
4.	The Mining Department should print the Transport Permits/Receipt with security features enumerated at item (1) above and issue them to the mine lease holder through the District Collector. Once these Transport Permits or Receipts are issued, they would be uploaded on the server against that mine lease area. Each receipt should be preferably with pre-fixed quantity, so the total quantity gets determined for the receipts issued. When the Transport Permit or Receipt barcode gets scanned and invoice is generated, the particular barcode gets used and its validity time is recorded on the server. So all the details of transporting of mined out material can be captured on the server and the Transport Permit or Receipt cannot be reused.	Department of Mining.	<p>The transit pass for transportation of the excavated sand is printed by the authorized Government Press, on paper approved by Chhattisgarh government. Such printed transit passes are then issued by the concerning Collectorate, Mining Branch.</p> <p>Currently the transit pass printed by the Govt. Press is issued in two copies, one for transporting vehicle and the second for submitting to concerning district Mining Officer for further issuance of transit pass.</p> <p>The transit passes issued in the state are based on Advance Royalty payment. For this, all the details of transporting of mined out material is calculated by the details of the second copy of the used Transit Passes (cannot be reused)</p>	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	100% Gap	As and when the government decides
5.	To ensure that the staff deployed for the purpose of checking of vehicles carrying	Department of Mining.	Double carbon printed copies of the Transit Passes are checked by the field staff and members of Flying Squad.	To be achieved as per order dated 04/09/2018 in the	100% Gap Will be incorporated	As and when the government decides

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
	mined mineral should be in a position to check the validity of Transport Permit or Receipt by scanning them using website, Android Application and SMS.		In cases where the Transit Passes are tempered in anyways viz, cutting or overwriting, the vehicles are seized for Illegal Mining/Transportation.	matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	once the system goes online using our own, nationally approved KHANIJ ONLINE system. Also for effective monitoring, district wise Flying Squad is proposed and vehicles for the same are being procured from MDF.	
6.	To ensure that in case the Vehicle breakdown, the validity of Transport Permit or Receipt shall be extended by sending SMS by driver in specific format to report breakdown of vehicle. The server will register this information and register the breakdown. The State can also establish a call centre, which can register breakdowns of such vehicles and extend the validity period. The subsequent restart of the vehicle also should be similarly reported to the server/call centre.	Department of Mining.	-	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	100% Gap Will be incorporated once the system goes online as the system already has a vehicle breakdown module.	As and when the government decides
7.	To ensure that the route of vehicle from source to destination should be tracked through the system using check points, Radio-frequency identification (RFID) Tags, and Global Positioning System (GPS) tracking.	Department of Mining.	The source destination and the route via are already there in the transit pass. The same can be checked in the Mining Check Posts of the way. In case the vehicle is found to be diverted, it is treated as illegal transportation.	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	100% Gap	As and when the government decides

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statuses	Gap between current status and desired levels	Proposal of attending the gap with time lines
8.	Mining Department to develop periodic report on different parameters like daily lifting report, vehicle log/history, lifting against allocation, and total lifting and to block the scanning facility of any site found to be indulged in irregularity.	Department of Mining.	As per rule, lessee is required to submit monthly, 6-monthly and annual returns in prescribed format.	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	100% Gap	As and when the government decides
9.	To intercepts any vehicle transporting illegal sand, and get it registered on the server and the officer to mandatorily fill in the report on action taken. Every intercepted vehicle should be tracked.	Department of Mining.	As per rules, the vehicles transporting sand illegally when intercepted are kept in the nearby Police Station and are reported to the authorities for required action to be taken.	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	100% Gap	As and when the government decides
10.	To ensure that Demarcation of mining area with pillars and geo-referencing is done prior to start of mining.	Department of Mining	The geo-referenced coordinates have been fixed before the issuance of Notice Inviting Tender (NIT) for sand mining.	To be achieved as per order dated 04/09/2018 in the matter of Sudarshan Das vs. State of W.B. (OA 173/2018).	Demarcation of mining area with pillars is yet to be done.	As and when the government decides
11.	To ensure Mining depth is restricted to 3 meter and distance from the bank is 3 meter or 10 percent of the river width whichever less.	Department of Mining.	Complete	NA	NA	NA
12.	Compliance of ' Sustainable Sand Mining and Management Guidelines 2016 ', particularly in view of the points highlighted in Para 15 of the aforesaid order.	Department of Mining.	Compliance is being done.	Continuous	NA	NA

13. Compliance of Rejuvenation of Water Bodies

Hon'ble NGT in the matter of '**Lt. Col. Sarvadaman Singh Oberoi v. Union of India**' (O.A 325/2017) vide order dated 10.05.2019 directed all the states to review the existing framework of restoration all the water bodies by preparing an appropriate action plan. Such action plans may be prepared within three months and a report furnished to the CPCB. The CPCB may examine all such plans and furnish its comments to this Tribunal within two months thereafter. The Chief Secretaries of all the States/UTs in the course of undertaking monitoring exercise in pursuance of the order of this Tribunal in *O.A No. 606/2018, Compliance of MSW Rules, 2016*, may also include restoration of water bodies as one of the items as the same is also incidental to waste management which are covered by orders in *O.A No. 606/2018, Compliance of MSW Rules, 2016*.

Name and Designation of Designated Officer:

1. Mr. T.C. Mahavar, Secretary, Panchayat and Rural Development.
2. Ms. Alarmelmangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Action plan for restoration of water-bodies in the matter of ' Lt. Col. Sarvadaman Singh Oberoi v. Union of India ' (O.A 325/2017) needs to be implemented after receiving approval from CPCB.	UAD	Action Plan has been sent to CPCB by Department for Urban Administration and Development vide letter dated 10.07.2019.	Execution of Action Plan as per slated timeline	Approval from CPCB is awaited.	-
		Panchayat	Action Plan has been sent to CPCB by Department of Panchayat and Rural Development vide letter dated 30.07.2019.	Execution of Action Plan as per slated timeline	Approval from CPCB is awaited.	-

14. Compliance to Plastic Waste Management Rules, 2016

In the matter of O.A. 247/ 2017, '*CPCB v. State of Andaman and Nicobar*' vide order dated 12.3.2019, the hon'ble NGT directed all the states to prepare and enforce action plan for implementation of Plastic Waste Management Rules, 2016. The same was accordingly prepared and submitted to CPCB on 27.04.2019. The progress of the said action plan is produced herewith.

Name and Designation of Designated Officer:

1. Mr. T.C. Mahavar, Secretary, Panchayat and Rural Development.
2. Ms. Alarmelmangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.
3. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Inventorization of all plastic manufacturing units.	CECB	Inventorization of all plastic manufacturing units has been completed.	Achieved	-	-
2.	Action against defaulting units operating in violation of plastic management rules.	CECB	CECB is regularly inspecting the plastic manufacturing units and the notices/closure directions have been issued to the defaulting industries found during inspection.	Continuous	-	-
3.	Ensure registration of all producer/brand owner/ recycler etc. of plastic waste.	CECB	Registration of 08 recyclers has been done by CECB.	Continuous	-	-
4.	Ensure ban on plastic sachet for storing, packing or selling gutkha, tobacco and pan masala, plastic carry-bag, disposable	Urban Administration and Development Department and CECB	Chhattisgarh State Government vide notification dated 27.09.2017 has banned manufacture, store, import, sell, transport and use of plastic carry bags, short-life PVC and chlorinated plastics i.e. advertising and publicity materials (banners, flexes,	The State government is in the process of introducing ' <i>The Chhattisgarh Plastic and Other Non-Biodegradable Material (Regulation of Use and Disposal) Act. 2019</i> ',	Approval awaited.	December 2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
	catering items.		<p>Hoardings, form boards etc.) and plastic items used for catering (cups, glassed, plastic, bowls and spoons).</p> <p>CECB (vide letter dated 14.06.19) has directed all the Regional Officers : (i) To put on hold all the pending Consent to Operate (CTO) applications under Air and Water Act / registration application under Plastic Waste Management Rules, 2016, of all such plastic industries seeking permission for manufacturing of catering items like spoons, cups, plates, glasses, bowls etc. made of disposal plastic, with immediate effect and (ii) To stop processing or renewing any CTO application under Air and Water Act / registration application under Plastic Waste Management Rules, 2016, of all such plastic industries engaged in manufacturing of above mentioned disposal items, pending for renewal from the date of this order.</p>	<p>through which the state will impose complete ban on all types on disposal catering items made of plastic, impose ban on plastic sachets for selling gutka, tobacco and pan masala etc. The Bill will provide power to impose spot fine for such offences.</p> <p>Continuous</p>	-	-
5.	Local bodies shall ensure setting up of infrastructure for segregation, collection, storage, transportation,	Urban Administration and Development Department	328 SLRM centres (Material Recovery Facilities) have been established in 166 ULBs and these have the provision and infrastructure for segregation, collection, storage, disposal of the recyclable plastic waste, which are working efficiently through SHGs.	Infrastructure to be set-up in all the ULBs	The integrated Solid Waste Management Facility in Raipur is under construction.	31.12.2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
	processing and disposal of plastic waste.		At the SLRM centres, the total plastic waste is further segregated into Recyclable and Non-recyclable fraction. In Bilaspur, the construction of Integrated Solid Waste Management Facility has been completed on October 2018.			
6.	Local bodies shall encourage channelization of recyclable plastic waste fraction to recyclers.	Urban Administration and Development Department/CECB	Channelization of recyclable plastic waste fraction is done through the registered recyclers only and necessary arrangement to provide recyclable plastic waste to recycler has been made by all ULBs.	Continuous	-	-
7.	Ensuring processing and disposal of non-recyclable fraction of plastic waste as per guidelines of CPCB and encourage the use of non-recyclable plastic waste for road construction as per IRC guidelines.	Urban Administration and Development Department/Road Construction agencies/Cement Industries/CECB	The processing and disposal of non-recyclable fraction of plastic waste as per guidelines of CPCB is being ensured. Non-recyclable plastics are being stored separately and will be sold as alternate fuel and raw material (AFR) to cement plants authorized by CECB. 02 ULBs namely Ambikapur and Rajnandgaon have used plastic wastes in road construction so far. The urban local bodies have been encouraged to use plastics waste preferably the non-recyclable one for road construction as per the Indian road congress guidelines or for energy recovery or waster to oil etc.	Chairperson of State Level Advisory Board (PWM Rule, 2016) has requested Work Departments (PWD, P&RD, PHED, WRD) to introduce SOR items for processing of plastic on road works.	Response is awaited from these departments for the same.	December 2019
8.	Co-processing of plastic waste by cement plants	UAD and Cement Plants	SOP regarding disposal of plastic waste in cement kilns has been finalized in consultation with cement industries. UAD has prepared MoU and completed mapping of cement plants with ULBs based on the Clinker capacity of Cement Plant, identified quantity of plastic waste generated by individual ULB, distance, minimum quantity for lifting, bailing quality and fixed rates based on calorific value	Signing of MoU of 166 ULBs with Cement plants for utilization of SCF in Cement kilns	Initially MoU will be executed for a trial period of 03 months. Thereafter mutual consultation between ULB and Cement Plant period of MoU	30.11.2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			etc.Meetings have been conducted with Cement manufacturing units on 27.05.2019, 27.06.2017 and 13.09.2019 to discuss and finalize the MoU.		shall be extended.	
9.	Engaging civil societies of groups working with waste pickers to ensure integration of different stakeholder.	Urban Administration and Development Department	Approx. 9000 Women Self Help Group members are being engaged in the Mission Clean City Model across the State. The survey of informal waste pickers is being carried out in regular intervals to identify and organize them into the waste management system.	Continuous	-	-
10.	Regular Compliance of bye laws regarding restriction of open burning of plastic waste for urban as well as rural areas.	Urban Administration and Development Department/ Panchayat and Rural Development Department	UAD has issued notification dated 28/01/2019 for imposition of fine for open burning of solid waste including plastic waste.Total approx. Rs. 25.40 Lakh fine have been collected and 6529 nos. of court cases have been filed against violators of the rules.	Continuous	Further, the Chhattisgarh Plastic and Other Non-Biodegradable Material (Regulation of Use and Disposal) Bill, 2019 is under process by CECB and after that bye laws regarding restriction of open burning of plastic waste for urban areas will be notified.	-
11.	Local bodies shall ensure setting up system for plastic waste management (including collection) with assistance of producers. Extended	Urban Administration and Development Department and Producers	EPR byelaws have been published by UAD on 14.12.2018 for ensuring setting up system for plastic waste management with assistance of producers. In the meeting dated 24.06.2019 of State Level Committee constituted vide order dated 16.01.2019, all the brand owners/ producers have accepted the EPR model suggested by	-	The selection of consultant for implementation of EPR under Plastic Waste Management Rules, 2016 in the State of Chhattisgarh is	December 2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
	Producer Responsibility also.		UAD.		under process.	
12.	Local Bodies to frame bye-laws incorporating the provisions of these rules.	Urban Administration and Development Department	The Municipal Corporation Plastic Waste Management byelaws have been prepared by Urban Administration and Development Department, Chhattisgarh.	Achieved	NA	-
13.	Ensuring meeting of State Level Monitoring Committee at-least once in six month.	Urban Administration and Development Department	State Level Monitoring Committee has been formed in the state by UAD. Regular Meetings of the committee is being held.	Achieved	-	-
14.	Gram Panchayat shall ensure setting up of infrastructure for segregation, collection, storage, transportation, processing and disposal of plastic waste in rural areas.	Panchayat and Rural Development Department	Solid and Liquid Waste Management target of this financial year (2019-20) is 2784; in which DPR of 1561 Gram Panchayats is prepared. DPR of 1089 is approved and in 557 Gram Panchayats construction work has been started. 72 SLRM centers are functional where segregation, collection, storage, transportation, processing and disposal of plastic has been started.	-	Work is to be started in 2227 SLRM in Gram Panchayat.	March 2020
15.	Marking and labeling	CECB	Public Notice was issued by CECB on 14.6.2019 making it mandatory for plastic manufacturers to follow the marking scheme given in the Rules and to have the details of their : (i) name, (ii) registration number, (iii) and type of plastic material used - be printed on the plastic item sold and distributed by them.	Continuous	-	-

15. Action Plan for Industrial Cluster of Urla, Siltara, Korba and Bhilai

In compliance of the matter in O.A. No. 1038/2018, '*News item published in "The Asian Age" Authored by Sanjay Kaw Titled "CPCB to rank industrial units on pollution levels"*' dated 13.12.2018 and 10.7.2019, State Government vide order dated 24/01/2019 constituted a six Member Committee for preparation and finalization of action plan of industrial clusters namely **Urla (Raipur), Siltara, Korba and Bhilai**. The Committee finalized the action plan for above industrial clusters and the same has been sent to CPCB vide letter dated 28.3.2019. The progress on the said action plan is laid down herein-below.

Name and Designation of Designated Officer:

1. Mr. Jai Singh Maskey, Secretary, Department of Forest.
2. Mr. Manoj Kumar Pingua, Secretary, Commerce and Industry.
3. Mr. Arun Goutham, Secretary, Department of Home (Transport).
4. Ms. Alarmelmangai D., Special Secretary GoCG (Independent Charge), Secretary in-Charge, GoCG, UADD.
5. Mr. R.P. Tiwari, Member Secretary, Chhattisgarh Environment Conservation Board.
6. Mr. Narendra Kumar Shukla, Director, Town and Country Planning.

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
1.	Identify the particular industrial units in the PIAs that are causing pollution, particularly those units which fall under the red and orange category and take action against them by way of closing the polluting activity, initiating prosecution and assessing and recovering compensation.	CECB	CECB vide letter dated 27.07.2019 has directed the ROs of Raipur/Bhilai/Korba to take actions against such Red and Orange category industries which are causing pollution in the critically/severally/other polluted industrial cluster of Raipur, Bhilai and Korba and also levy interim environmental compensation as per the said NGT order. Public notice has also been issued on 18.09.2019 to all the red and orange category industries in the PIAs.	Continuous	-	-
2.	Restriction on plying and phasing out of 15 years old commercial diesel driven vehicles.	Transport Department	State government has laid down age limit for permit condition for buses (12 years) and trucks (15 years) under CG Motor Vehicle Rules 70A, which has been struck down by the Hon'ble High Court of Chhattisgarh in its order dated 26.07.2018 in WPC No. 2004/2017.	-	-	-
3.	Regular checking of vehicular emission and issue of Pollution under Control Certificate (PUC).	Transport Department and Police Department	Raipur: 75 PUC Centres are currently operating in Raipur and police department has taken action against 3623 vehicles between January 2019 to July 2019.	Raipur: 150 PUC Centres	Raipur: 75 additional PUC Centres are required to be established.	October 2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			<p>Bhilai: 47 PUC Centres have been operating in Bhilai, 7822 vehicles were found to be operating without PUC between 2016-19 and a total fine of 55,54,100 has been collected in this regard.</p> <p>Korba: 13 PUC centers are currently operating in Korba and 2238 vehicles were checked for PUC certificate between April 2019-June 2019.</p>	<p>Bhilai: 130 PUC Centres</p> <p>Korba: 28 PUC Centres</p>	<p>Bhilai: 83 additional PUC Centres are required to be established.</p> <p>Korba:15additional PUC Centres are required to be established.</p>	
4.	Periodic calibration test of vehicular emission monitoring instrument.	Transport Department	<p>Raipur: Nil</p> <p>Bhilai:There are 02 calibration kits available in the transport department. The Periodic calibration test of vehicular emission monitoring instrument of all the PUC centres were completed.</p> <p>Korba: Nil</p>	<p>Raipur: Period Calibration test needs to be done.</p> <p>Korba: Period Calibration test needs to be done.</p>	<p>Raipur: Period Calibration test needs to be done.</p> <p>Korba: Period Calibration test needs to be done.</p>	December 2019
5.	Good traffic management including redirection of traffic movement to avoid traffic congestion.	Transport Department and Police Department	<p>Raipur:Vendor stalls and vehicles parked on road are being removed, diversion of road is done wherever necessary, traffic jam areas are monitored using ITMS camerasand regular patrolling is done areas of high congestion.</p> <p>Bhilai: CSIDC has constructed 3.5 kms of concrete road in industrial area of hathkhoj, DPS chowk to Hudko railway chowk and JP cement Ltd to Supela has been converted to 4 lane, Globe chowk to DPS chowk and DPS chowk to Maitri Vidya Chowk has also been converted to 4-lane, 883 meter long railway flyover has been constructed, 592 meter long over-bridge has been constructed at nehru nagar Railway Crossing. For transportation of heavy vehicles of industries Bhilai Steel Plant, flyover in Sector 03 has been constructed. 2.8 km road from Potiya to Borsi has been widened.</p>	<p>Raipur:NA</p> <p>Bhilai:NA</p>	<p>Raipur: NA</p> <p>Bhilai:Nehru Nagar under-bridge and railway under-bridge between Bhilai and Durg is under construction.</p>	December 2019

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
6.	Promotion and operationalization of E-rickshaw.	Transport Department and Urban administration and Development	<p>Raipur:1186 e-rickshaws and 207 E carts are currently plying in Raipur and 03 e-rickshaw charging stations have also been set-up. : Tax-exemption has been given for e-rickshaw registration.</p> <p>Bhilai: 129 e-rickshaws are currently plying in Bhilai and 04 e-rickshaw charging stations have also been set-up. Tax-exemption has been given for e-rickshaw registration.</p> <p>Korba: Tax-exemption has been given for e-rickshaw registration.</p>	Continuous	Bhilai: 05 new-e-rickshaw charging stations have also been identified which will be set-up.	December 2019
7.	Monitoring on vehicle fitness.	Transport Department	<p>Raipur:56863 vehicles have been issued fitness certificate so far.</p> <p>Bhilai:16155 vehicles have been tested between the year 2016-19, out of which 315 vehicles were found unfit. Testing is done regularly.</p> <p>Korba:2238 vehicles have been tested between April-June 2019, out of which 17 were found unfit and a total fine of 41000 was collected from them.</p>	Continuous	-	-
8.	Checking of fuel adulteration.	Food and Civil Supply Department/Oil Companies	<p>Raipur: Hindustan Petroleum Corporation Limited collected 963 samples in 2018 and 292 samples in 2019-20 which were found unadulterated. Food Department also collected 01 sample in 2018-19 which was found unadulterated.</p> <p>Bhilai: 55 petrol/diesel fuel stations have been inspected since 2019 by food department and Oil companies and none were found adulterated.</p> <p>Korba: 30 out of 66 petrol/diesel fuel stations have been inspected so far and none were found adulterated.</p>	Continuous	-	-
9.	Restriction on overloading of vehicles.	Transport Department	<p>Raipur: Actions have been taken against 419 vehicles for overloading for farand a total penalty of 75,95,000 have been collected in this regard.</p>	Continuous	-	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			<p>Bhilai: Between 2016-19, total 2683 vehicles have been fined for overloading to the tune of 4,84,19,600.</p> <p>Korba: In the year 2018-19: 378 vehicles have been fined to the tune of 62,79,500 for overloading and between April-June 2019 : 60 vehicles were fined to the tune of 7,12,000</p>			
10.	Augmentation of public transport system	Transport Department / Nagar Nigam Korba, Bhilai / DM korba and Bhilai	Nil	-	Action required as per action plan.	-
11.	Regular cleaning of road dust. Washing of road Mechanized road sweeping	Urban administration and Development	<p>Raipur: Total Length of road in Nagar Palik Nigam, Raipur – is 671 Km out of which 619 Km of Road has been cleaned since April 19. Roads having width 30 ft or less are cleaned twice a week. Heavy dust roads are washed from time to time. Water spraying is also done regularly with the help of 8 tankers.</p> <p>Bhilai: Total Length of road in Nagar Palik Nigam, Bhilai – is 1233 Km out of which 912 Km of Road has been cleaned since April 19 with the help of 874 cleaning staff of Bhilai Nagar Nigam. Water spraying is also done regularly with the help of 8 tankers.</p> <p>Korba: Total Length of road in Nagar Palik Nigam, Korba – is 655 Km out of which 582 Km Road has been cleaned since April 19. Frequency of Road Cleaning twice a day. 285 staff members are involved in road cleaning.01 Mechanized sweeping machine is also used for road Cleaning. Water spraying is also done regularly with the help of 2 tankers.</p>	Mechanized sweeping needs to be strengthened in Raipur and Bhilai.	<p>Raipur: Presently Nagar Palik Nigam, Raipur does not have the facility of mechanized sweeping. DPR has been prepared and shall be put in MIC soon.</p> <p>Bhilai: Presently Nagar Palik Nigam, Bhilai does not have the facility of mechanized sweeping. DPR is under Preparation.</p> <p>Korba:DPR under preparation for mechanized mining of additional 35 KM</p>	-
12.	Regular cleaning of road dust in industrial area.	CSIDC	<p>Raipur:Pucca road (C.C. & B.T.) has been made in industrial area Urla, Bhanpuri, Rawabhata and Siltara. Mechanised cleaning of road is done in the industrial area.</p> <p>Bhilai:Regular cleaning of roads and water spraying through tankers is being done by CSIDC and Nagar Nigam, Bhilai for the roads in industrial areas (heavy</p>	Continuous	-	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
			<p>industrial area, Hathkhoj, light industrial area, industrial estate and engineering park) of Durg district. 05 km CC road and 35 km BT road has been constructed in Industrial Cluster Bhilai. Total 24 km pucca roads have been constructed in Industrial Development Centre, Borai.</p> <p>Korba: 02 Water Tanker are being used for water spraying on road in the industrial areas.</p>			
13.	Water spraying on roads through tankers.	Urban administration and Development / CSIDC	<p>Raipur: Timely cleaning and washing of roads is being done in the roads under ULBs as well as industrial areas Urla, Bhanpuri, Rawabhata and Metal park, Raipur.</p> <p>Bhilai: Water spraying work is being done everyday using 08 water-tankers. Additional 04 water-tankers are proposed by CSIDC.</p> <p>Korba: 02 Water Tanker are being used for water spraying on road in the industrial areas.</p>	Continuous	-	-
14.	Maintenance of roads to avoid dust emission.	CGPWD/Urban administration and Development/NHAI/ CSIDC	<p>Raipur: Repairing of damages and black topping of roads is done from time to time. Pucca road (C.C. & B.T.) has been made in industrial area Urla, Bhanpuri, Rawabhata and Siltara. Mechanised cleaning of road is done in the industrial area.</p> <p>Bhilai: Town Service Department, BSP has issued tender to develop Pavor Block on both sides of road from Murga Chowk to Ispat Bhavan of BSP area. BSP management has black topped all roads within their area. Bhilai Nagar Nigam has black topped 1784 kms of road within their area. Bhilai Nagar Nigam has black topped 22 major roads in Nov-Dec 2018 within their area. 5 km of CC road and 35 km BT road has been constructed in Industrial Cluster Bhilai. Total 24 km black topped roads have been constructed in Industrial Development Centre, Borai. Efforts are being made for regular cleaning of roads and control of dust emission through water spraying.</p> <p>Korba: Total 1745 sq. meter of road patches has been repaired since April 19.</p>	Continuous	-	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
15.	CSPGCL, Korba (East) Up-gradation of air pollution control equipments to bring emission to 50 mg/NM ³ .	CSPGCL, Korba (East)	Bank guarantee has been obtained by CECB from CSPGCL to reduce the stack emission from 150 milligram/Nm ³ to 50 milligram/Nm ³ and the same will be forfeited in case CSPGCL is unable to upgrade the ESP within prescribed timeline.Actions are being taken to reduce stack emission like Injection of anhydrous ammonia at the inlet of ESPs, installation of rectifier transfer set.	Up-gradation of air pollution control equipments to bring emission to 50 mg/NM ³	Up-gradation is under process.	December 2020
16.	CSPGCL, Korba (West) Up-gradation of air pollution control equipments to bring emission to 50 mg/NM ³ .	CSPGCL, Korba (West)	Erection of ESP has been completed in 4 out of 9 units and is in progress in rest of the units. Bank guarantee has been obtained by CECB from CSPGCL to reduce the stack emission from 150 milligram/Nm ³ to 50 milligram/Nm ³ , and the same will be forfeited in case CSPGCL is unable to upgrade the ESP within prescribed timeline.	Up-gradation of air pollution control equipments to bring emission to 50 mg/NM ³	Up-gradation is under process.	December 2020
17.	Control of fugitive emission in Gevra Open Cast Mine by use of mechanized sweeping machine, long range fogging machine, Installation of Inpit conveying system, Loading of coal through Junadih siding, Coal loading through silo and Plantation in available area (52000 Nos. Approx).	SECL, Gevra (Korba)	Mechanized sweeping machine has been received in august 2019 and long range fogging machine is being used from April 2019.Installation of Inpit conveying system has already been completed on 08.11.2018.Loading of coal through Junadih siding has already been completed on 24.10.2018.Coal loading through silo has already been taking place since 24.11.2018 and this year 2019-20, 62750 saplings have been planted over an area of 25 Ha. including 1000 nos. Sal Species.	-	Mechanized sweeping will be commissioned soon.	-
18.	Control of fugitive emission in Dipka Open Cast Mine by use of mechanized sweeping machine, long range fogging machine, Installation of Inpit conveying system, Installation of wind shield on Railway siding, Coal transportation through Silo and Plantation in available area (83000 Nos. Approx.).	SECL, Dipka (Korba)	Mechanized sweeping machine has been received inAugust 2019 and long range fogging machine is in use from April 2019. Installation of Inpit conveying system has already been completed. Foundation and Rails for WBS has been erected at Railway Siding and procurement of GI Sheet are underway, Coal loading through silo has already been taking place and plantation target of 1.5 lakhs for 2019-20 has been achieved on 07-09-2019.	-	Installation of wind shield on Railway siding is pending.	March 2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of status	Gap between current status and desired levels	Proposal of attending the gap with time lines
19.	Control of fugitive emission in Kusmunda Open Cast Mine by use of long range fogging machine.	SECL Kusmunda (Korba)	Complete	NA	-	-
20.	Construction of four number SILO with rapid loading system along with new railway siding, Installation of Inpit conveying system and Plantation in available area (70000 Nos. Approx).	SECL Kusmunda (Korba)	Construction of SILO is in progress as per schedule, as of today- 62% of the work has been completed and targeted Plantation completed on 14.08.2019 (70000 nos of saplings planted).	Construction of four number SILO with rapid loading system along with new railway siding and Installation of Inpit conveying system	Remaining construction of SILO is pending along with new railway siding and Installation of Inpit conveying system.	Remaining work is likely to be completed by the December 2021.
21.	Control of fugitive emission in Manikpur Open Cast Mine, Use of mechanized sweeping machine, use of long range fogging machine, Installation of Inpit conveying system and Plantation in available area (35000 Nos. Approx)	SECL Manikpur (Korba)	Proposal for procurement of mechanized sweeping machine is under process at SECL HQ. Proposal for procurement of long range fogging machine is under process at SECL HQ. Proposal for Installation of Inpit conveying system is under NIT preparation stage at SECL HQ. Besides annual plantation, additional plantation is also undertaken. Recently additional 47500 No. plantation done in dump area.	-	Use of long range fogging machine, and Installation of Inpit conveying system is under process.	December 2021 (long range fogging machine) December 2022 (Inpit conveying system)
22.	Ensuring installation and operation of air pollution control devices in industries and taking action against defaulting industries.	CECB	Raipur: All industries have installed required air pollution control devices. Bhilai: All industries have installed required air pollution control devices. Korba: All industries have installed required air pollution control devices.	NA	-	-
Bhilai Steel Plant						
23.	Installation of ESPs as replacement of Multi-cyclones for all 04nos. of Sinter Machines of SP-II to keep the stack emissions consistently below 50mg/ Nm3.	Bhilai Steel Plant	Civil foundation and erection of support structure for SILO 1 and 2 has been completed. Initial pile load test has also been done.	-	Work in progress	July 2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
24.	Upgradation of existing air pollution system by installation of ESP in sinter plant no. II	Bhilai Steel Plant	Order has been placed for ESP. Design engineering is in progress.	-	Work in progress	February 2020
25.	Up-gradation of ESP in sinter plant no. III	Bhilai Steel Plant	Pilling job has been completed. 90% supply of structures completed.	-	Work in progress	February 2020
26.	De-fuming system installation in cast house of Blast Furnace 7	Bhilai Steel Plant	Major ESP work is completed.	-	Ducting jobs along the railway track & erection of manipulator in cast house are pending.	January 2020
27.	Installation of bag filters in refractory material plant no.2	Bhilai Steel Plant	Pilling work for chimney is completed & other civil works in progress.	-	Work in progress.	February 2020
28.	Installation of secondary emission system for 3 converters in SMS-II to improve the converters work zone environment.	Bhilai Steel Plant	Feasibility Report, Technical specifications and eligibility Criteria has been Finalized IPU has been initiated.	Installation needs to be done	Work in progress	July 2022
29.	Water recycling from outlet-B	Bhilai Steel Plant	Tender process is underway.	Construction to be done.	Bidder has to be selected	October 2021
30.	Water recycling from outlet-C	Bhilai Steel Plant	Contract has been signed with M/s EFFWA and Consortium and Construction is under process.	Construction to be done.	Work in progress	December 2021
31.	Changing of complete set of filter bags of mixing section, ball mill section, ball mill section and mag carbon bricks manufacturing section of shop-II	M/s. Sail Refractories unit	Completed	Achieved	Complied	NA
32.	Installation of dust suppression system for air borne coal dust.	M/s. Sail Refractories unit	Completed	Achieved	Complied	NA
33.	Internal roads of industry to be blacktopped/ concreted	M/s. Vishnu Chemicals Ltd., Plot no. 18-26 Industrial area, Bhilai, Distt., Durg (C.G.)	Completed	Achieved	Complied	NA

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
(Other Industries of industrial Estate Bhilai)						
34.	Blacktopping/ concretization/ maintenance of internal roads in respective units.	By the respective units	The inspection regarding the blacktopping/ concretization/ maintenance of internal roads of the industries is being done on regular basis.	Achieved	Complied	NA
35.	Tree plantation in the premises of respective units	By the respective units	The target of Tree Plantation for the monsoon session year 2019 has been given to the important industries of Industrial Estate Bhilai. The tree plantation is being done by the respective units as per target given.	Achieved	Complied	NA
Industries of Light Industrial Area Bhilai						
36.	Blacktopping/ concretization/ maintenance of internal roads in the respective units	By the respective units	The inspection regarding the blacktopping/ concretization/ maintenance of internal roads of the industries is being done on regular basis.	Achieved	Complied	NA
37.	Tree plantation in the premises of respective units	By the respective units	The target of Tree Plantation has been given to the important industries of Industrial Estate Bhilai. The tree plantation is being done by the respective units as per target given.	Achieved	Complied	NA
38.	Installation of wet scrubber in respective wire drawing units of the area to control air pollution	By the respective units	All the wire drawing units registered in this office have been installed the air pollution control equipments wet scrubber. Monitoring of industries is being done on regular basis in this regard.	Achieved	Complied	NA
39.	Blacktopping/ concretization/ maintenance of internal roads.	M/s. Niros Ispat Pvt. Ltd., Plot no. 14/A, Heavy Industrial Area, Hathkhoj Bhilai, Distt. Durg (C.G.).	Completed	Achieved	Complied	NA
M/s. Rover Refractories and Metal Pvt. Ltd., Heavy Industrial Area, Hathkhoj Bhilai, Distt. Durg (C.G.)						
40.	Installation of multistage control pollution system (wet scrubber, venturi scrubber, cyclone separator for control of air pollution.	M/s. Rover Refractories and Metal Pvt. Ltd.	Completed	Achieved	Complied	NA
41.	Tree plantation in the premises	M/s. Rover Refractories and Metal Pvt. Ltd.	Completed	Achieved	Complied	NA
42.	Blacktopping/ concretization/ maintenance of internal roads.	M/s. Rover Refractories and Metal Pvt. Ltd.	Completed	Achieved	Complied	NA

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
Other industries of Heavy Industrial Area, Hathkhaj Bhilai, Distt. Durg (C.G.)						
43.	Blacktopping/ concretization/ maintenance of internal roads in the respective units.	By the respective units	The inspection regarding the blacktopping/ concretization/ maintenance of internal roads of the industries is being done on regular basis.	Achieved	Complied	NA
44.	Tree plantation in the premises of respective units	By the respective units	The target of Tree Plantation for the monsoon session year 2019 has been given to the important industries of Industrial Estate Bhilai. The tree plantation is being done by the respective units as per target given.	Achieved	Complied	NA
45.	Increase in the stack height in the respective units.	By the respective units	Monitoring of industries is being done on regular basis in this regard.	Achieved	Complied	NA
46.	Installation of wet scrubber in the respective wire drawing units.	By the respective units	All the wire drawing units registered in this office have been installed the air pollution control equipments wet scrubber. Monitoring of industries is being done on regular basis in this regard.	Achieved	Complied	NA
Industries of Engineering Park, Bhilai						
47.	Blacktopping/ concretization/ maintenance of internal roads in the respective units.	By the respective units	The inspection regarding the blacktopping/ concretization/ maintenance of internal roads of the industries is being done on regular basis.	Achieved	Complied	NA
48.	Tree plantation in the premises of respective units	By the respective units	The target of Tree Plantation for the monsoon session year 2019 has been given to the important industries of Industrial Estate Bhilai. The tree plantation is being done by the respective units as per target given.	Achieved	Complied	NA
49.	Increase in the stack height in the respective units.	By the respective units	Inspection of industries is being done on regular basis in this regard.	Achieved	Complied	NA
50.	Installation of wet scrubber in the respective wire drawing units.	By the respective units	All the wire drawing units registered in this office have been installed the air pollution control equipments wet scrubber. Monitoring of industries is being done on regular basis in this regard.	Achieved	Complied	NA
51.	Control of fugitive dust emission from industries. Minimizing the height of raw materials / coal / solid wastes drop to the stockpile and ensuring water spray system.	CECB / All Industries	Urli/Siltara - Industries are storing their raw materials, coal, solid waste in proper way and fugitive emission is being controlled through water sprinkling.	Achieved	Complied	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
52.	Use of water spray systems / dust suppression systems / chemical fog systems / rain guns in crusher, screen, raw materials, fuel, solid wastes storage areas & yards and handling / conveying systems.	CECB / All Industries	Urta/Siltara - Water spraying arrangement has been provided and conveyor belt has been covered.	Achieved	Complied	-
53.	Storage of solid wastes from pollution control systems like bag filter / scrubber in pucca and covered area and ensuring environmentally safe disposal of these wastes through transportation in covered vehicles.	CECB / All Industries	Urta/Siltara - Solid waste has been stored and transported in covered vehicles regularly and properly	Achieved	Complied	-
54.	Ensuring transportation of iron ore, sponge iron, coal, fly ash, washed coal / reject coal in covered vehicle.	CECB / All Industries	Urta/Siltara - Raw material and Solid waste has been stored and transported in covered vehicles regularly and properly	Achieved	Complied	-
55.	Ensuring short time storage of solid waste within premises and regular disposal in environmentally safe manner.	CECB / All Industries	Urta/Siltara - Solid waste is being stored for short time and disposed regularly in environmentally safe manner.	Achieved	Complied	-
56.	Ensuring properly maintained pucca internal roads. Ensuring regular cleaning of dust and water sprinkling on internal roads.	CECB / All Industries	Urta/Siltara - All the internal roads are properly made pucca and regular cleaning of dust and water sprinkling on internal roads is being done	Achieved	Complied	-
57.	Use of mechanized sweeping machine at integrated steel plants,	CECB / All Concerned Industries	To be implemented.	Use of mechanized sweeping machine at integrated steel	To be implemented.	December 2020

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
	sponge iron plants and power plants.			plants, sponge iron plants and power plants.		
58.	Increasing the height of all stacks attached to emission sources such as auxiliary process equipment / bag filter / scrubber to minimum 30 meter.	CECB / All Industries	Stack height is as per prescribed standards.	Achieved	Complied	-
59.	Ensuring use of all treated effluent within plant premises and no discharged outside the premises of any effluent. Ensuring no mixing of any treated / untreated effluent from industries in any nalla / kharun river.	CECB / All Industries	Zero discharge condition has been maintained	Achieved	Complied	-
60.	Provisions of wind breaking wall, installation of rain gun, wheel washing arrangement, treatment of wash water and arrangement of CCTV cameras at coal / washed coal / reject coal handling and storage areas, entrance and exit gates in all coal washeries.	CECB / All Coal Washeries	Siltara – CCTV arrangement in existing two coal washeries has been provided. Korba: Work in progress in 8 washeries.	-	Siltara: Provisions of wind breaking wall, installation of rain gun, wheel washing arrangement, treatment of wash water at coal / washed coal / reject coal handling and storage areas, entrance and exit gates in all coal washeries. Korba: Work in progress in 8 washeries.	March 2020 December 2019
61.	Maintenance of haul roads for transportation	All Coal Mines	Being done regularly.	Continues	Complied	NA

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
62.	Maintenance of existing ash dykes to prevent spreading of ash in nearby areas by keeping dyke wet, by covering it with soil etc.	Concerned Thermal Power Plants	Regular maintenance work of existing ash dykes for avoiding to spreading of ash in nearby areas is being done. Dyke is always kept in wet conditions along with covering the ash open area with thick layer of soil for minimizing fugitive emission.	Continues	Complied	NA
63.	Complete utilization of fly ash generated from power plants as per provisions of fly ash notification, 2009.	Concerned Thermal Power Plants	73% fly ash utilization achieved this year. All the efforts are being made to achieve the target of 100% fly ash utilization as per notification of MoEF. 1. Utilization of fly ash by filling of low lying areas of company land/private land/ Govt. land is under progress. 2. Filling of fly ash in open cast mines of SECL Manikpur is under progress. 3. Use of fly ash in Construction of National Highway (NH) proposal already submitted.	100% fly ash utilization to be achieved	27% fly ash utilization remaining	-
64.	Ensuring operation of air pollution control devices in industries and taking action against violators.	CECB	CECB is doing regular inspection of industries and has been taking appropriate action as per provisions of the Act against violators.	Continues	-	NA
65.	Transportation of fly ash, coal / washed coal in covered vehicle to prevent fugitive emission.	All Thermal Power Plant / Coal Mines / coal washery	Transportation of fly ash, coal / washed coal is being done in covered vehicles to prevent fugitive emission.	Continues	Complied	NA
66.	Installation of CAAQMS	CPCB	Raipur: Specifications for CAAQMS and CWQMS are under preparation and RFP will be issued thereafter. Bhilai: 01 CAAQMS is operational at Civic Center by Bhilai Steel Plant. Korba: 02 CWQMS are proposed at Hasdeo River.	Installation of 2 CAAQMS and 2 CWQMS.	Raipur: Installation of 2 CAAQMS and 2 CWQMS. Bhilai: 02 more CAAQMS stations are proposed in Bhilai City. Korba: Installation of 02 CWQMS at Hasdeo River.	March 2020
67.	Ensuring promotion and use of cleaner fuel for	District Administration/Oil	Raipur: Local dhabas/ eateries are inspected by food department from time to time.	Continuous	-	-

Sr. No.	Action	Authority	Current Status	Desired level of compliance in terms of statues	Gap between current status and desired levels	Proposal of attending the gap with time lines
	commercial purposes like local dhabas/eateries.	Companies	Bhilai: Commissioner Nagar Nigam, Bhilai has organized a meeting of all hotels and dhabas on 23/03/2019 and advised not to use coal, wood etc. as fuel. Use of LPG should be encouraged. Publicity in this regard is being done in the city. Korba: Nil			
68.	Issue of advisory to public for prevention and control of air pollution.	CECB	Advisory has been uploaded on the website of CECB	Achieved	-	-
69.	Involvement of school and other academic institution in awareness program.	CECB	Eco-clubs have already been formed in schools for awareness program. CECB also organize awareness programmes during occasions like World Environment day, Earth Day, Ozone Day etc.	Continuous	-	-
70.	Develop interactive public grievance redressal portals on the pattern of CPCB portal "Sameer"	CECB	Web-portal for redressal of public complaint has been uploaded on the website of CECB.	Achieved	-	-

The 2nd Quarterly Report is thus placed on record before the Central Pollution Control Board, Delhi in compliance of the order dated 12.09.2019 of the Hon'ble National Green Tribunal, Principal Bench, New Delhi in the matter of O.A. No. 606/2018 '**Compliance of Municipal Solid Waste Management Rules, 2016**'.

SUBMITTED ON BEHALF OF

STATE OF CHHATTISGARH

Chief Secretary

Government of Chhattisgarh

Date: 21.10.2019

Annexure A

Polluted River Stretches

General details	Name of River Stretches	Hasdeo River-Korba to Urga-20 Km	Kharoon River-Bhatagaon to Bendri Stretch-20Km		Kharoon River-Padkibhat to Dhamtari Stretch-18 Km	Mahanadi River-Sihawa to Arang-70 Km	Mahanadi River-Sihawa to Arang-70 Km	Mahanadi River-Sihawa to Arang-70 Km	Shivnath River-Simga to Bemta-10 Km	Kelo River-Raigarh to Kanaktora-20 Km
	STP proposed ULB/City name	Korba	Raipur		Dhamtari	Kanker	Nawapara	Rajim	Simga	Raigarh
Sewage Treatment and Disposal Plan Action Points	DPR Status	DPR Prepared	DPR Prepared		DPR Prepared	DPR Prepared	DPR Prepared	DPR Prepared	DPR Prepared	DPR Approved
	No. of STP/	1 No.	4 No.		1 No.	1 No.	1 No.	1 No.	1 No.	2 Nos.
	STP Capacity	(35 MLD)	Bhatagaon	06 MLD	(19.6 MLD)	(7.8 MLD)	(7.5 MLD)	(2.8 MLD)	(2.8 MLD)	25 MLD & 7 MLD
			Kara	35 MLD						
			Nimora	90 MLD						
			Chandandih	75 MLD						
	Project Current Status	The proposal has been sent to NTPC Korba. (Decision awaited from their Delhi head office)	STP under construction		DPR Vetted from NIT, T.S. Accorded Proposal has been sent to Finance Department for fund allocation.					
Bhatagaon			10%							
Kara			15 %							
Nimora			15 %							
Chandandih			15 %							
Expected Completion Date	31.03.2021	31.03.2021		31.03.2021	31.03.2021	31.03.2021	31.03.2021	31.03.2021	31.03.2021	
Utilization of treated waste water from STP	It will be done after the commission of STPs in these ULBs in coordination with agriculture department.									
Cleaning of Drains before monsoon	No. of Major Drains	19	6	4	7	7	3	4	12	
	Total Length of Drains (Km)	14.5	106	8	8.03	28	8.5	8.4	6.24	
	Screens Installed	10	29	2	4	7	3	2	4	
	Cleaning Schedule	Twice a month	Once in a week	Once in a week	Twice a week	Once in a week	Twice a week	Twice a week	Once in a week	

General details	Name of River Stretches	Hasdeo River-Korba to Uрга-20 Km	Kharoon River-Bhatagaon to Bendri Stretch-20Km	Kharoon River-Padkibhat to Dhamtari Stretch-18 Km	Mahanadi River-Sihawa to Arang-70 Km	Mahanadi River-Sihawa to Arang-70 Km	Mahanadi River-Sihawa to Arang-70 Km	Shivnath River-Simga to Bemta-10 Km	Kelo River-Raigarh to Kanaktora-20 Km
	STP proposed ULB/City name	Korba	Raipur	Dhamtari	Kanker	Nawapara	Rajim	Simga	Raigarh
To ensure rain water harvesting (RWH) by the industrial, commercial and other institutions to promote ground water recharging	Application Submitted for RWH (No.)	1221	8466	482	63	57	112	61	297
	RWH installation completed	817	4313	391	54	51	59	47	88
Plantation in flood zone in available spaces.	No. of flood zone identified	4	Identification is in progress	Nil	5	6	3	2	1
	Plantation done (No.)	1800	-	Nil	200	1020	280	200	5000
Prohibition of disposal of municipal solid waste and plastic waste in river as well as in municipal drains and levy of fine in case found violation.	No. of cases registered	23	286	43	62	01	02	04	330
	Amount of Fines Collected (INR)	14950	51400	13050	53200	500	100	1000	85300
Identification of encroachment area along the banks of the river	No. of encroachments identified	3	Identification is in progress	Nil	1	Nil	Nil	4	1

General details	Name of River Stretches	Hasdeo River-Korba to Uрга-20 Km	Kharoon River-Bhatagaon to Bendri Stretch-20Km	Kharoon River-Padkibhat to Dhamtari Stretch-18 Km	Mahanadi River-Sihawa to Arang-70 Km	Mahanadi River-Sihawa to Arang-70 Km	Mahanadi River-Sihawa to Arang-70 Km	Shivnath River-Simga to Bemta-10 Km	Kelo River-Raigarh to Kanaktora-20 Km
	STP proposed ULB/City name	Korba	Raipur	Dhamtari	Kanker	Nawapara	Rajim	Simga	Raigarh
Removal of encroachment from banks of the river and taking appropriate action to prevent re-encroachment by plantation, development of bio-diversity parks etc.	No. of encroachments removed	3	-	Nil	1	Nil	Nil	Nil	Nil

Annexure B

SOLID WASTE MANAGEMENT

Name of State/UT		Chhattisgarh	1. SOLID WASTE MANAGEMENT				
Name of Designated Officer:		Ms. Alarmelmangai D. (IAS), Special Secretary, GoCG (Independent Charge)					
Designation:		Secretary in-Charge, GoCG, UADD					
				Current Status	Desirable levels as per statutes	Gap between Current status and desired levels	Timeframe for addressing the Gap
				Remarks			
S.No.	Item	State/UT response					
8	Percentage of Districts in which Special Task Force (Four members nominated by DM, SP. RO SPCB & District Legal Services Authority) for Awareness has been created.	Numerical value between 0-100 (NV 0-100)					
12	Percentage of ULBs which have framed byelaws incorporating provisions of SWM Rules (15e)?	NV 0-100	The SWM bye laws for levying user charges and fine against violators 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	100	100	0	-
30	Percentage of operators of Solid Waste processing facility who have submitted Annual report	NV 0-100	Annual Report had been submitted by operators of SWM to ULBs.	100	100	0	-
31	Percentage of ULBs which have appointed nodal officer/committee.	NV 0-100	Nodal officers had been appointed in all 168 ULBs for the implementation of SWM Rules in ULBs.	100	100	0	-
34	Percentage of ULBs which have submitted Annual Report in Form IV to Secy, UD and SPCB	NV 0-100	For the year 2018-19, the annual reports of 168 ULB's have been submitted to CECB vide letter dated 07.06.2019	100	100	0	
36	Percentage of ULBs in which Sweeping is carried out twice or more in public areas	NV 0-100	All public and commercial areas are being swept twice daily, including	100	100	0	

			night sweeping and the street sweeping waste is being disposed in scientific manner. This is being done by every ULB through departmental sweepers.				
37	Percentage of ULBs in which Sweeping is carried out once or more in residential areas	NV 0-100	All residential areas are being swept once in a day and the street sweeping waste is being disposed in scientific manner. Necessary logs for the same is also being maintained.	100	100	0	
38	Percentage of ULBs in which user fees has been incorporated in Byelaws	NV 0-100	The user fee has been collected from the waste generators as per the notified Municipal Corporation bye-laws on 07.12.2017 and Municipal Council/ Nagar Panchayat bye-laws on 28.07.2017 by UAD in the State Gazette. The ULBs has been directed to comply with the same. Till the month of August 2019 approx. Rs. 35.40 Crore has been collected from waste generators as user fees by the ULBs w.r.t the notified SWM bye-laws.	100	100	0	
39	Percentage of ULBs having door to door collection system	NV 0-100	Necessary system and facilities have already been developed in all 168 ULBs for 100% door to door collection.	100	100	0	
40	Percentage of ULBs transporting wastes in covered vehicles.	NV 0-100	The bio-degradable and non-biodegradable fractions are being transported in covered vehicles to the designated composting facilities in 168 ULBs for its conversion into compost.	100	100	0	
41	Percentage of ULBs having GPS installed garbage collection vans (>5 lakh population).	NV 0-100	GPS enabled monitoring systems have been installed in Garbage collection Vans for real time monitoring.	100	100	0	
42	Percentage of ULBs using Compartmentalized vehicles for collection of different fractions of waste.	NV 0-100	The bio-degradable and non-biodegradable fractions are being transported in partitioned vehicles to the designated composting facilities in 168 ULBs for its conversion into compost.	100	100	0	
43	Percentage of ULBs having Computerized weighing machine for weighing solid waste.	NV 0-100	Computerized weighing machines have been installed for weighing solid waste in Raipur and Bilaspur ISWM facility.	100	100	0	

			However semi-automatic/manual hanging weighing machines have been installed in other ULBs for weighing solid waste				
44	Percentage of ULBs having tipping fee based on quantum of waste generated/ processed.	NV 0-100	Service providers in Raipur and Bilaspur are being paid tipping fees based on quantum of waste generated/ processed.	100	100	0	
45	Percentage of ULBs having twin-bin system installed at public places.	NV 0-100	168ULBs are 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.	100	100	0	
46	Percentage of ULBs having transfer stations instead of secondary storage bins.	NV 0-100	Two ULBs namely Raipur and Bilaspur having transfer stations instead of secondary storage bins.	100	100	0	
47	Percentage of ULBs in which PPE has been provided to workers.	NV 0-100	All type of PPEs have been provided by the every ULB to their respective workers dealing with collection, transportation, processing and disposal of solid waste.	100	100	0	
48	Percentage of ULBs in which Capacity building of local bodies has been taken up by State Deptt of UD	NV 0-100	Time to time training, workshops, seminars, etc. for the ULB staffs are being conducted by UAD 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.	100	100	0	
49	Percentage of ULBs in which workers have been educated on Door to Door collection of waste	NV 0-100	For management of Solid waste, cluster level PIUs and State level PMUs are working and they are imparting training regularly to SHG women on Door to Door Collection.	100	100	0	
50	Percentage of ULBs in which Training has been imparted to waste pickers/waste collectors	NV 0-100	PIUs are imparting training periodically to waste pickers/waste collectors.	100	100	0	

51	Percentage of ULBs having separate Street sweepings collection and disposal system	NV 0-100	The street sweeping waste is being collected in separate vehicles and disposed in scientific manner. This is being done by every ULB through departmental sweepers.	100	100	0	
52	Percentage of ULBs in which Segregation of waste at household level/source has been implemented	NV 0-100	100% source segregation of waste is done at household levels in 168 ULBs.	100	100	0	
53	Percentage of ULBs in which Segregation by Street vendors has been implemented	NV 0-100	168 ULBs are practising 100% source segregation of waste by Street vendors	100	100	0	
54	Percentage of ULBs in which Segregation of waste by RWAs, market associations, gated communities, institutions (> 5000 sqm area), hotels, restaurants etc has been implemented.	NV 0-100	100% source segregation of waste is being practised by RWAs, market associations, gated communities, institutions (> 5000 sqm area), hotels, restaurants	100	100	0	
55	Percentage of ULBs in which Segregation of Waste at Source for inerts and C&D Waste has been implemented.	NV 0-100	Inerts and C&D waste has been collected at Source in segregated manner.	100	100	0	
56	Percentage of ULBs in which informal sector of waste pickers, waste collectors and recycling industry in reducing waste in state policy has been engaged.	NV 0-100	Informal sector of waste pickers, waste collectors and recycling industry in reducing waste have been integrated and being incentivized within the formal waste management system under MCC scheme. It is also incorporated in State policy.	100	100	0	
57	Percentage of ULBs in which Space for SW segregation, storage and processing of solid waste for 200 units/ 5000 square has been allocated.	NV 0-100	UAD has directed Town and Country Planning Department to ensure and demarcate separate space for segregate ion, storage and processing of solid waste in development plan for group housing or commercial or any other non-residential complex exceeding 200 dwelling are having a plot exceeding 5000 square meter and necessary steps are being taken in this regard by Department of Town and Country Planning.	100	100	0	
58	Percentage of ULBs in which Scheme for registration of waste pickers and dealers has been implemented	NV 0-100	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.	100	100	0	

59	Percentage of ULBs in which land has been identified for setting up waste processing facilities (22(1))	NV 0-100	Suitable lands have been identified and allocated to all 168 ULBs of the State for the solid waste processing facilities.	100	100	0	
60	Percentage of ULBs in which non-biodegradable waste and inert waste are used for filling up of construction areas and Construction of roads	NV 0-100	The urban local bodies have been encouraged to use plastics waste preferably the non-recyclable one for road construction as per the Indian road congress guidelines. All ULBs have been directed vide letter dated 27/07/2018 by UAD to comply IRC/CPCB guidelines. - The Chairperson of State Level Advisory Board (PWM Rule 2016) has directed to PWD to introduce SOR items for processing of plastic on road works.	100	100	0	
61	Percentage of ULBs in which Usage of RDF by Cement plants/Power plants/industries located within 200 km of such facility has been implemented.	NV 0-100	CECB has directed the Cement Industries situated in the State to sign the agreement with ULBs and make necessary arrangements to utilize the SCF/ RDF in their Plant.	100	100	0	
65	Percentage of ULBs in which home decentralized and centralized composting has been initiated	NV 0-100	All ULBs are promoting home composting and involving communities in waste management. Home composting manual is also shared with the ULBs. Ambikapur Home composting Model "Balivaishya" has been awarded in the Innovation Category of Swachh Survekshyan 2019.	100	100	0	
66	Percentage of ULBs in which Storage of Horticulture waste or generators own premises has been initiated	NV 0-100	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.	100	100	0	
67	Percentage ULBs in which setting up of solid waste and processing facilities has been incorporated in Master Plan of the city	NV 0-100	T& CP will update the status.				
68	Percentage of ULBs in which 5% or 5 sheds in SEZ IE, industrial park have been allocated for recovery and recycling facility	NV 0-100	CSIDC will update the status.				
69	Percentage of ULBs in which material recovery facilities for sorting of recyclables	NV 0-100	All ULBs have sufficient number of material recovery facilities.	100	100	0	

	by informal sector have been set up						
70	Percentage of ULBs in which Waste from vegetable, flower, fish market, poultry market is processed in biomethanation plant	NV 0-100	Wet waste from vegetable, flower, fish market, poultry market is processed in the compost sheds of the ULBs. On demonstration basis, Ambikapur is processing its wet waste in Bio-methanation Plant.	100	100	0	
71	Percentage of ULBs in which use of Chemical fertilizers in parks has been phased out.	NV 0-100	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.	100	100	0	
72	Percentage of ULBs in which waste processing based on Waste to Energy/RDF	NV 0-100	In Chhattisgarh State out of 168 local bodies, 166 ULBs have started solid waste processing and disposal based on Ambikapur Model. 02 ULBs namely Raipur and Bilaspur are based on Sanitary Landfill model. Solid waste processing facility (Composting Shed and RDF Plant) at Bilaspur has already started and facility at Raipur is likely to be commissioned before 31.12.2019.	100	100	0	
73	Percentage of Waste processing units based on Composting/Biomethanation.	NV 0-100	In Chhattisgarh State out of 168 local bodies, 166 ULBs have started wet waste processing through Compost sheds based on Ambikapur Model. Only 2 ULBs namely Raipur and Bilaspur are based on Sanitary Landfill model. Solid waste processing facility (Composting Shed and RDF Plant) at Bilaspur has already started and facility at Raipur is likely to be commissioned before 31.12.2019.	100	100	0	
77	Percentage of ULBs in which Biodegradable waste is sent to compost/biomethanation plant	NV 0-100	Biodegradable waste is sent to compost plants in all 166 ULBs and In Raipur, Bilaspur Municipal Corporation wet waste is processed at Waste to compost plant.	100	100	0	
78	Percentage of ULBs in which non-biodegradable Wastes is sent to MRF/Secondary storage facility	NV 0-100	Non-Biodegradable waste is sent to SLRM Centres in all 166 ULBs and In Raipur, Bilaspur Municipal Corporation	100	100	0	

			dry waste is processed at ISWM facilities.				
79	Percentage of W to E plants having Facilities for segregation of waste prior to processing of waste in W to E Plants	NV 0-100	Only 2 ULBs namely Raipur and Bilaspur are having ISWM plants for segregation of waste prior to processing of waste in Waste to RDF Plant.	100	100	0	
80	Percentage increase in number of Authorizations granted	NV 0-100	number of Authorizations granted will be shared by CECB	100	100	0	
81	Percentage of ULBs displaying data related to functioning of plant and its adherence to prescribed parameters displayed on ULBs website.	NV 0-100	All ULBs are displaying the updated data related to functioning of plant in their ULB websites and monthly MIS is also updated in SBM Urban website.	100	100	0	
83	Percentage of ULBs in which land has been identified for landfill site (11f)	NV 0-100	Landfill sites have been identified at Kachhar village in Bilaspur and at Sakri in Raipur Municipal Corporation.	100	100	0	
84	Percentage of ULBs in which land has been allocated for landfill site (Rule 12a)	NV 0-100	Landfill sites have been allocated to Bilaspur and Raipur Municipal Corporation.	100	100	0	
85	Percentage of ULBs having own/regional operational Landfill sites	NV 0-100	Bilaspur and Raipur Municipal Corporation have Sanitary Landfill facilities.	100	100	0	
86	Percentage of landfill sites in which Provision of Green Belt/Buffer Zone around landfill site has been made	NV 0-100	Raipur Municipal Corporation has notified the buffer zone on 09.07.2019 and Bilaspur Municipal Corporation				
87	Percentage of Landfill sites for which Buffer zone has been notified	NV 0-100	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).	100	100	0	
88	Percentage of landfill sites in which efforts have been taken to prevent/manage generation of leachate	NV 0-100	Leachate treatment mechanism has been developed in both the Landfill sites at Bilaspur and Raipur Municipal Corporation.	100	100	0	
89	Percentage of landfill sites in which efforts have been taken to prevent/manage generation of methane gas	NV 0-100	Necessary arrangement for methane gas management are being installed in both the Landfill sites at Bilaspur and Raipur Municipal Corporation. (Will confirm from CECB)	100	100	0	

90	Percentage of landfill/dumpsites in which CCTV has been installed	NV 0-100	CCTV has been installed in Bilaspur landfill sites and provisions for Raipur is being developed.	100	100	0	
91	Percentage of ULBs having Decentralized waste disposal facilities	NV 0-100	All 168 ULBs are having Decentralized waste disposal facilities	100	100	0	
92	Percentage of landfill sites in which landfilling or dumping of mixed waste is continued	NV 0-100	As Mission Clean City is implemented in all 166 ULBs, no mixed waste is being dumped in Landfill site.	100	100	0	
93	Percentage of landfill sites in which only non-usable, non-recyclable non-biodegradable non-combustible and non-reactive waste is disposed	NV 0-100	02 ULBs namely Raipur and Bilaspur where only non-usable, non-recyclable non-biodegradable non-combustible and non-reactive waste is disposed in Landfills.	100	100	0	
94	Percentage of ULBs in which investigation of old/existing dumpsites for biomining has been initiated	NV 0-100	Old dumpsites in 160 ULBs have been remediated. Further 08 ULBs have prepared DPRs for remediation of Old dumpsite. From which 02 ULBs have started remediation work.	100	100	0	
102	Percentage of ULBs which have framed Byelaws incorporating user fees and spot fines for littering	NV 0-100	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 to the waste generators not to litter.	100	100	0	
105	Percentage of ULBs having Citizen Grievance redressal mechanism	NV 0-100	All ULBs are having efficient complaint redressal mechanism namely Swachhata App and Nidaan 1100.	100	100	0	
106	Percentage of ULBs uploading Month wise details of SWM targets on MIS	NV 0-100	All ULBs are updating the monthly MIS on time as prescribed by MoHUA.	100	100	0	
	For item no. 2,5,10,22,30,62,63,64,98,104: Detailed information to be uploaded						

Annexure C

Questionnaire for Monitoring of Compliance to Bio-Medical Waste Management Rules, 2016

Ques. 1-	Why inventory on numbers of Healthcare Facilities is still incomplete in State/UT, as required under BMWM Rules, 2016 ?	The inventorization of HCFs of Chhattisgarh state has been completed for all the 27 districts and already been sent to Hon'ble NGT, Principal Bench, New Delhi and CPCB, Delhi vide letter dated 05/10/2019.
Ques. 2 -	What is the reason that inventory is still under process ?	N.A.
Ques. 3 -	As observed that non-bedded HCFs have no applied for authorization, why such HCFs are allowed to operate without authorization under BMWM Rules, 2016 ?	With the co-ordination of Department of Health, Govt. of Chhattisgarh all non-bedded HCFs have been directed to submit application and obtain One Time Authorization. In compliance of above direction, non-bedded HCFs are applying for authorization. So far 637 nos. (including 200 Veterinary) non-bedded hospitals have obtained authorization as on date.
Ques. 4 -	How Many applications are still under process with state Board for grant of authorization ?	As on date 264 nos. (non-bedded, bedded hospital including veterinary hospitals) applications are pending with CECB and is under process.
Ques. 5 -	In case of no Common Bio-medical Waste Treatment Facility in Arunachal Pradesh, Andaman & Nicobar, Goa, Lakshadweep, Mizoram and Nagaland & Sikkim State/UT, how generated biomedical waste is being treated and disposed ?	N.A.
Ques. 6 -	Why still there is no proposal submitted by Arunachal Pradesh, Andaman Nicobar, Goa, Lakshadweep, Mizoram, and Nagaland & Sikkim State/UT for setting up CBWTF?	N.A.
Ques. 7 -	Why Barcode system is not implemented, Andaman Nicobar, Arunachal Pradesh, Assam, J & K, Goa, Lakshadweep, Mizoram, Orissa, Puduchery, Sikkim, Uttar Pradesh, West Bengal, Chandigarh, Delhi, Jharkhand, Madhya Pradesh, Maharashtra, Rajasthan and Tamil Nadu, so far even when the deadline is over as per BMWM Rules, 2016 ?	The two CBWTF-Service Providers namely M/s SMS Watergrace Enviroprotect Pvt. Ltd Siltara Raipur and M/s Envirocare International (Chhattisgarh) Bilaspur have introduced Bar Code System with the associated HCFs member with them.
Ques. 8 -	Whether State / UT has constituted State Advisory Committee so as to review the implementation Status ?	Yes.
Ques. 9 -	What steps have been taken by Advisory Committee so as ensure implementation of BMWM Rules, 2016 ?	RFP floated for new establishment of CBWTF for Korba and Raigarh. After technical evaluation of the bids as per RFP, financial bids of selected bidders have been sent to Divisional Monitoring Committee, Bilaspur for further action on 01/10/2019. Process for establishment of CBWTF for Bastar Division and Sarguja Division

		has been initiated. Land for both CBWTF has already been allotted. EC has been granted to selected bidder at Kondagaon for Bastar Division. Further TOR has been issued to CBWTF for Ambikapur by SEAC, Chhattisgarh for the grant of Environmental Clearance.
Ques. 10 -	How many HCFs other than hospitals, nursing homes etc. Such as veterinary hospitals, animal houses, AYUSH hospital have been monitored ?	200 nos. of veterinary hospitals have been brought under the ambit of BMW Rules 2016 and granted authorization. Likewise Ayush Hospitals is also being brought under the ambit of BMW Rules 2016 and this regard Director, Ayush in the state has been directed to get obtained authorization by the Ayush Hospitals in the state.
Ques. 11 -	What is the frequency for conducting training or capacity building programs for state Board officials and for staff of HCFs ?	Training programmes are organized from time to time by the Health Department to impart training to their staffs of HCFs. At the district level also training programmes are organized with coordination with CMHOs by CECB to impart training for the staff of HCFs.
Ques. 12 -	What is the status of installation of Continuous Online emission Monitoring System with CBWTF and why it has not been implemented by all CBWTFs ? What follow-up action has been taken by state Boards ?	There are 02 CBWTF-Service Provider which are based on incinerator facility and each of them has installed Online Emission Monitoring System.
Ques. 13 -	How OCCMS data received by state Boards is being validated ?	Validation is yet to be done.
Ques. 14 -	What is the status of compliance to BMW Rules, 2016 by CBWTFs ? What action has been taken against defaulting facilities ?	There are 02 nos. CBWTF-Service Provider based on incineration facility and 02 nos. CBWTF-Service Provider based on Deep Burial System in the state. All these are complying with the provisions of the rules. CBWTF-Service Provider namely M/s E-Tech Project Pvt. Ltd., light industrial area Bhilai has been closedown for violation of the rules.
Ques. 15 -	What is frequency of monitoring of Healthcare Facilities for verification of compliance to BMW Rules ?	Inspection of HCFs are carried out before issuing authorization/renewal of authorization.