



State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment, Forest & Climate Change)
Environmental Planning Coordination Organization
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16

Visit us <http://www.mpseiaa.nic.in>
Tel:0755-2466970, 2466859
Fax : 0755-2462136

No: 3379 /SEIAA/2022
Date: 17/3/22

To,
Smt. Pramila Sharma, Partner,
M/s J.K. Medical Waste Management System,
House No. 85, Vinay Graha Nirman Society,
Bawadiya Kalan, Dist. Bhopal, MP

Sub: Case No 8894/2021: Prior Environment Clearance for Common Bio-Medical Waste Treatment Facility, at Village - Rauda Chhapar, Tehsil & Dist. Shivpuri, MP by M/s J.K. Medical Waste Management System, Smt. Pramila Sharma, Partner, House No. 85, Vinay Graha Nirman Society, Bawadiya Kalan, Dist. Bhopal, MP - Prescribing of TOR.

Ref: - Online Proposal No. SIA/MP/MIS/70716/2022 registered in MPSEIAA on 07.01.2022

This is in reference to the proposal submitted in the SEIAA office to prescribe the Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form-1) along with a Pre-feasibility Report and all supporting documents as per EIA Notification & its amendments.

1. This is case of Prior Environment Clearance for Common Bio-Medical Waste Treatment Facility, at Village - Rauda Chhapar, Tehsil & Dist. Shivpuri, M.P.
2. The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category "B" Projects of activity 7(da) as per EIA Notification dated 14th September, 2006 and its subsequent amendments dated 17th April 2015, under Bio- Medical Waste Treatment Facilities.
3. There is no interstate boundary within 10 km and no National Park / Sanctuary within the 10 km of the project area hence the general conditions are not attracted.
4. **Salient Features of the project:**

Name of the project	Common Bio Medical Waste Treatment Facility (CBWTF)
Promoter	Mrs. Pramila Sharma of M/s. JK MEDICAL Waste Management System
Location of the site	Khasra no. 356, Vill. Rauda Chhapar District - Shivpuri (M.P)
Total Plot Area	4200 Sq.mt. (1.03 Acre)
Open Area	2940.0 sq.mt.
Green Area	1421.17 sq. mt.
Capacity	1 No. Incinerator of capacity 200 kg/hr (Dry) 1 No. Autoclave of capacity 1000 kg/hr 1 No. Shredder of capacity 200 kg/hr each ETP Capacity – 7.5 KLD (MBBR)
Water Requirement	Approximately 5 KLD of water required during construction of the unit from Private water tankers.

Waste Water Generation	7.5 KLD
ETP	7.5 KLD
Treated Water from the unit	5.68 KLD (Reuse 5 KLD Landscaping & 0.68 Misc. Purpose.)
Power Requirement	Approx. 30 kw for operation phase Supply source – (MPEB) Back up-DG. Set of 100 KVA capacities as standby.
Manpower Requirement	12 persons
Estimated Project cost	Rs. 180 Lacks

- M/s JK Medical Waste Management System, project agency is proposing Best Advance Technology (BAT) considering the relevant stack height of 30 m. The criteria may be reduced upto 250 m.
- PP has Proposed 200 kg/hr Dry Static Incinerator. Using most advance technology and Air Pollution Control Device.
- PP has proposed CBMWTF, Shivpuri Plant as a standby plant of Chandri CBMWTF plant. To reduce the travel time for the fulfilling of CPCB Guidelines.
- PP has proposed 200 kg/hr Dry Static Incinerator. For the incineration of incinerable waste only. Deep burial will only be used for Sharp, Needles, and Metals pieces.

The application was forwarded to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. The case was presented by the PP and their consultant in the SEAC- 555th meeting dated 24.02.2022, After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with additional TOR.

After the recommendation of SEAC the case was considered in 709th SEIAA meeting dtd.07.03.2022 and decided to approve the ToR as recommended by SEAC in 555th meeting held on 24.02.22 and standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions:-

1. PP shall carry out comprehensive gap analysis through data authentication from Government agency and justify their proposal for establishment of another CBWTF within 75 kms radius.
2. Facility should be developed in accordance with the provisions made in the Bio-Medical Waste Management Rules, 2016 published by GOI and Guidelines published by CPCB for Common Bio-medical Waste Treatment Facilities.
3. Justify in EIA report considering that the proposed technology is "Best Available Technology" of CBWTF and also how unit will remain zero discharge.
4. Plume Dispersion Modeling study and result discussed in the EIA report shall be conducted .
5. Justify in EIA report, how unit will remain zero discharge.
6. Disposal plan of autoclaved material should be discussed in the EIA report.
7. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
8. Carbon emission foot print analysis shall be studied and discussed in EIA report.
9. Maximum storage time of Bio-medical waste within the facility and disposal plan of autoclaved material should be discussed in the EIA report.
10. Monitoring of VOC should be added in the proposed monitoring protocol of EIA study.
11. Justify in EIA report, how unit will remain zero discharge.

13. PP shall obtain CTE from the MP Pollution Control Board and same shall be appended with EIA report.
14. Proposal for GPS enable vehicles and their route maps shall be discussed in the EIA report.
15. Elaborate handling and disposal of hazardous waste and possible spillage avoidance in the EIA report.
16. Ash storage and sharp pit design criteria shall be discussed in the EIA report.

The authority approve the ToR as recommended by SEAC and decided to issue additional TOR by incorporating following conditions for preparation of EIA report:

- a) **Details of unit located within the coverage area of the project site.**
- b) **Route chart of the districts by showing collection of Bio medical wastes for treatment by the propped unit.**
- c) **Health Département guidelines for establishment of such units should be incorporated in the EIA report.**
- d) **Disposal process of sludge generated from ETP. Monitoring provision for discharge of treated waste water from ETP including physico-chemical parameters as per norms.**
- e) **Monitoring provision for energy consumption by ETP.**
- f) **Ash mangement Plan.**
- g) **Detail working layout with dimension of each provision including green belt location**
- h) **Waste storage room floor and wallinling material (interior and exterior) to avoid moisture, sticking/harboursing of micro organism**
- i) **Odour mangement plan in EMP.**

General Conditions

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for

- carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
 16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
 17. All the necessary NOC's duly verified by the competent authority should be annexed.
 18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
 19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
 20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
 21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
 22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
 23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
 24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
 25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
 26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
 27. PP shall submit biological diversity report stating that there is no adverse impact in-situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
 28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
 29. LPG gas shall be provided for camping labour under "Ujjwala Yojna .
 30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).

31. Under CER scheme commitments with physical targets shall be included in EIA report for:

- ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
- ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
- ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages; shall be considered.
- ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.

32. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for:

- ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
- ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
- ✓ Commitment that high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern CCF (social forestry) or concerned DFO or any other suitable agency.
- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
- ✓ Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, minimum 50 saplings be planted considering 80% survival.
- ✓ Adequate provisions of water for irrigating plantation shall be made by PP.

FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.

1. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
2. Detailed analysis of availability and quality of the drinking water resources available in the block.

3. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
4. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.

Documents to be submitted:

Environmental Consultant / PP

- I. A certificate from the Consultant shall be submitted that they have been accredited by MoEF (Gol), as per their OM.
- II. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
- III. Location of National Parks, Sanctuaries, biosphere Reserves, Wildlife corridors, Tiger reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated. A location map duly authenticated by Chief Wild life Warden and recommendation/ comments of Chief Wildlife Warden of concerned district should also be provided in this regard. DFO letter indicating the distances of nearest forest boundary from the boundary of the proposed site.
- IV. Land documents of the proposed site with clarity of landownership.
- V. NOC from Gram Sabha if located in scheduled notified area.


Validity –

- I. The TORs prescribed for the project will be valid for a period of four years for submission of EIA and EMP report accordingly, the TORs will lapse after 06/03/2026.

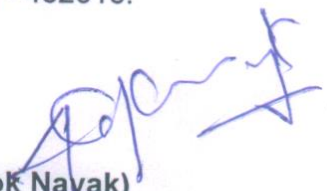
Copy to:-

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1. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
2. Member Secretary, Madhya Pradesh Pollution Control Board, E-5 Paryavaran Parisar, Arera Colony Bhopal (M.P.) -462016.
3. The Collector, Distt- Chhindwada - M.P.
4. Madhya Pradesh Industrial Development Co.Ltd. CEDMAP Bhawanm16-A, Areara hills Bhopal MP-462001
5. Regional Officer, Regional Office (WZ), Ministry of Environment & Forests, Kendriya Paryavaran Bhawan, Link Road No.-3, E-5, Arera Colony, Bhopal (M.P.) - 462016.
6. Guard File.


(Shriman Shukla)
Member Secretary

17/3/22


(Alok Nayak)
Officer-In-Charge