

Minutes of 806th SEAC-1 Meeting Dated 03/11/2023 (Part Minutes)

The 806th meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 03/11/2023. Following members participated in the meeting:

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|----|-----------------------------|-----------------------------|
| 1. | Shri Rajive Kumar, | Chairman, SEAC |
| 2. | Dr. Ratan Kar, | Member, SEAC-1 (through VC) |
| 3. | Shri Om Prakash Srivastava, | Member, SEAC-1 (through VC) |
| 4. | Dr. Brij Bihari Awasthi, | Member, SEAC-1 |
| 5. | Shri Umesh Chandra Sharma, | Member, SEAC-1 |
| 6. | Shri Ashish Tiwari, | Member-Secretary, SEAC-1 |

The Chairman welcomed the members to the 806th SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director, Directorate of Environment. Nodal Officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

Due to importance of the project the SEAC directed the Secretariat to send a separate minutes of the under given project proposal to SEIAA for further necessary action.

1. Common Bio-Medical Waste Treatment Facility using latest Plasma Pyrolysis technology at Village- Naipura Kalan, District-Varanasi, Shri Madho Singh, M/s Mahamana Pandit Madan Mohan Malaviya Cancer Centre (a unit of Tata Memorial Centre), 8139/7191/SIA/UP/INFRA2/441226/2023

The Secretariat informed the committee that the matter was earlier discussed in 784th SEAC meeting dated 12/09/2023 and directed the project proponent to submit gap analysis report from UPPCB, Lucknow as per revised CBWTF guidelines.

Project proponent has requested to SEAC vide letter no. MPM MCC/Plasma/2023-24/139, dated 02/11/2023 regarding environmental clearance and assured the committee to submit gap analysis report to SEIAA, U.P. On the request letter of project proponent SEAC discussed the matter in its meeting dated 03/11/2023.

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. The project proponent Shri Madho Singh, Director, Admin. & Shri Tilak Bhaumik, Director, Civil, M/s Mahamana Pandit Madan Mohan Malaviya Cancer Centre present during the meeting through video conferencing along with their consultant M/s Ind Tech House Consult. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Common Bio-Medical Waste Treatment Facility using latest Plasma Pyrolysis technology at Khasra no. 78, 89, 90, 92 and 93, Village Naipura kalan, Tahsil -Sadar, District - Varanasi, Uttar Pradesh, M/s Mahamana Pandit Madan Mohan Malaviya Cancer Centre (a unit of Tata Memorial Centre).
2. Terms of Reference (TOR) was granted by the SEIAA, UP vide letter no. 279/Parya/SEIAA/7191/2022, dated 30 November, 2022 for preparation of EIA report.
3. Public Hearing was conducted on 15/06/2023. Final EIA submitted on Parivesh Portal for Grant of Environment Clearance vide proposal no. SIA/UP/INFRA2/441226/2023 dated 21/08/2023, File No. 8139.
4. Total plot area of the site is 11070 sqm and out of which only 4000 sqm of area will be utilized to develop the proposed BMW treatment facility.

5. The components in the project will have a Plasma Pyrolysis Plant having capacity 200 Kg/hour, one autoclave of capacity 2500 lit/batch and one shredder of capacity 100 kg/hr.
6. The project will collect and treat bio-medical wastes from Mahamana Pandit Madan Mohan Malaviya Cancer Centre [531 beds] and from other government hospitals nearby [approx. 4500 beds].
7. Salient features of the project:

S. N.	Parameters	Description
1	Proposed Project	Common Biomedical Waste Treatment Facility
2	Identification of project	Project falls under Category “B” of Activity 7(da) as per EIA Notification dated 14 th September, 2006 and its subsequent amendments dated 1st December 2009 and 17 th April, 2015,
3	S No of Schedule (as per notification 2006)	7(da)
4	Project Proponent	Mahamana Pandit Madan Mohan Malaviya Cancer Centre
5	Brief description of nature of the project	The proposed Bio-medical Waste Treatment Facility will collect, treat and dispose segregated bio-medical wastes from Mahamana Pandit Madan Mohan Malaviya Cancer Centre and from other nearby government hospitals. A land of 11,070 sqm area has been allotted by the Ganga Pollution Control Unit through Municipal Commissioner (Municipal Corporation Varanasi). Out of which only 4000 sqm of area will be utilized to develop the proposed facility.
6	Proposed plant capacity	Plasma Pyrolysis Plant [200 Kg/hour] Autoclave [2500 Lit/batch] Shredder [100 kg/hour]
7	Total Plot Area (sq. m)	11070 sq. m
8	BMW Treatment Facility Development area (sq. m)	4000 sq. m approx.
9	Location	Khasra no. 78,89,90,92 and 93, Village Naipura kalan, Tehsil - Sadar, District - Varanasi, UP – 221011 Site coordinate - 25° 14'42.76" N / 83° 00'10.53" E
10	Water Requirement	Non potable water demand [floor wash, vehicle cleaning and green area] – 4 KLD Fresh water demand [equipment washing and domestic uses]- 4 KL per week
11	Source of water	Non-potable water - Treated STP water from nearby 50 MLD Common Sewage Treatment Plant under the Namami Ganga program Potable Water -Onsite bore-well. Necessary permission will be obtained.
12	Wastewater	Wastewater will be generated from equipment washing, floor washing, vehicle washing operations etc. and shall be treated in onsite effluent treatment plant of capacity 10 KLD.
13	Man Power	During Construction phase, 15 workers will be hired from nearby areas. Around 05 persons (ITI: 02 electrical and 01 mechanical, 02 labours) will be hired for plant operations.
14	Electricity/ Power requirement	Power Requirement: 750 KVA Source: UP Power Corporation Limited.
15	Total Project Cost	INR 6.46 Crore approx.
16	Nearest Railway Station/airport along with distance in Km	Ahaura Road Railway Station: 5.63 Km SE Bhulanpur Railway Station: 6.53 Km NW Lal Bahadur Shastri International Airport: 27 Km NW
17	Village, Panchayats,	Municipal Corporation Varanasi

	Zila Parishad, Municipal corporation, Local Body	
18	Address for correspondence	Name: Mr. Madho Singh Designation: Chief Administrative Officer Address: Mahamana Pandit Madan Mohan Malaviya Cancer Centre, Sundar Bagiya, Near Nariya Gate, Banaras Hindu University Campus, Varanasi, UP – 221 005

8. Land use details:

Component	Area, m2	Percentage
Plasma Plant area	300	7.5
Utility Room	80	2
Yellow Bag Store Area	120	3
Red Bag Store Area	105	2.625
ETP Plant Area	30	0.75
Autoclave Area	30	0.75
Shredder Area	30	0.75
Shredded Material Store Area	30	0.75
N2 + O2 Gen Set Area	30	0.75
Wash Room Area	25	0.625
Open Platform (Water Tank, Cooling, Water tank)	30	0.75
Open Platform (Water Chiller for Power Supply)	15	0.375
Chimney of Packed bed Scrubber & Ventury Scrubber for Air Pollution Control	60	1.5
Security Cabin	12.25	0.30625
Corridor Area	90.75	2.26875
Power Supply Cabin	20	0.5
Control Room	20	0.5
Green Area 1	360	9
Green area 2	2000	50
Road/ other open area/ services	612	15.3
Total Plant Area	4000	100

9. Water requirement details:

Usage	Source	Water Quantity KLD	Effluent, KLD	Treatment
Domestic requirement	Fresh – borewell	0.3	0.3	Septic tank followed by soak pit
Floor Washing	Common STP	0.5	0.4	ETP
Quencher and Scrubber	Recycled – Onsite ETP	2.5	1	ETP
Autoclave	Fresh	0.2	0.2	ETP
Vehicle Cleaning	Common STP + onsite ETP	1.5 [1+0.5]	1.5	ETP
Landscaping	Common STP	2.5	0	--
Total Water Required				7.5 KLD
Total Fresh Water Use				0.5 KLD ~ 4 KL /week
Nearby common STP treated water use				4 KLD
Total onsite ETP recycled water use				3 KLD
Total Effluent generated [except domestic]				3.1 KLD
ETP Proposed				10 KLD
Treated Effluent obtained				3 KLD
Reuse of treated effluent				3 KLD
Discharge				0
Non-potable water requirement for the project will be met through treated STP water from nearby 50 MLD Sewage Treatment Plant set up under the Namami Ganga program. Potable fresh water will be sourced through onsite bore well and necessary permission will be obtained from concerned authority.				

10. The project proposal falls under category-7(da) of EIA Notification, 2006 (as amended thereof).

This proposal is technically satisfactory except the fact that the gap analysis is still awaited which has to be provided by UP Pollution Control Board as per the provisions of govt. order no. 631/81-6-2023, dated 28/06/2023 and revised guidelines for Common Bio-medical Waste Treatment and Disposal Facilities, 2016.

Due to importance of the project & the request of project proponent, the committee recommends this project for grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI. SEIAA may take gap analysis report directly from UP Pollution Control Board and impose appropriate additional condition (if required) based upon the gap analysis:

Additional Conditions:

1. This environmental clearance is subject to order/judgement passed by Hon'ble High Court Judicature at Allahabad, Lucknow, Bench, Lucknow in Writ C No. 2274 of 2023 (CPC Power (India) Pvt. Ltd. Vs. Union of India & Ors.) and any other writ petition pending at Hon'ble Court(s).
2. Proposed CBWTF shall comply with the revised guidelines (location criteria) for Common Bio-medical Waste Treatment and Disposal Facilities issued by CPCB on December 21st 2016 with respect to establishment of new CBWTF.
3. In compliance with the Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
4. Proponent shall comply with the action plan for CSR submitted by PP at the time of EIA presentation. Compliance report of investment under CSR to be submitted regularly to the Directorate, UPPCB and District Administration.
5. The project proponent should develop green belt in the premises of CBWTF unit as per the plan submitted. PP shall also follow the guidelines of CPCB/UPPCB/Development authority for green belt as per the norms.
6. Proposed CBWTF shall comply with the guidelines for Bio-medical Waste Treatment and Disposal, transportation & storage facilities etc. issued by CPCB from time to time.

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

- I. Statutory compliance:
 1. The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
 2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 3. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and be approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
 4. The project proponent shall obtain Consent to establish/Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
 5. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes

(Management and Handling) Rules, 20016 including section 129 to137 of Central Motor Vehicle Rules1989.

6. The project shall fulfill all the provisions of hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016 including collection and transportation design etc and also guidelines for Common Hazardous Waste Incineration — 2005, issued by CPCB Guidelines of CPCB/MPPCB for Bio-medical Waste Common Hazardous Wastes incinerators shall be followed.
 7. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
 8. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
 9. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities
- II. Air quality monitoring and preservation:
1. The project proponent shall install an emission monitoring system including Dioxin and furans in monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online serves and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 2. Periodical air quality monitoring in and around the site including VOC, HC shall be carried out.
 3. Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3% or their loss on ignition is less than 5% of the dry weight of the material.
 4. Venture scrubber (alkaline) should be provided with the incinerator with stack of adequate height (Minimum 30 meters) to control particulate emission within 50 mg/Nm³.
 5. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply with prescribed standards. All necessary air pollution control devices (quenching, Venturi scrubber, mist eliminator) should be provided for compliance with emission standards.
 6. Masking agents should be used for odour control.
- III. Water quality monitoring and preservation:
1. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 through labs recognized under Environment (Protection) Act, 1986 or NAB L accredited laboratories.
 2. Waste water generated from the facility shall be treated in the ETP and treated waste water shall be reused in the APCD connected to the incinerator. The water quality of treated effluent shall meet the norms prescribed by State Pollution Control Board. Zero discharge should be maintained.
 3. Process effluent/any waste water should not be allowed to mix with storm water.
 4. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from the competent authority shall be obtained for use of fresh water.
 5. A sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.

6. A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.
7. The leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
8. Magnetic flow meters shall be provided at the inlet and outlet of the ETP & all ground water abstraction points and records for the same shall be maintained regularly.
9. Rain water runoff from the hazardous waste storage area shall be collected and treated in the effluent treatment plant.
- IV. Noise monitoring and prevention:
 1. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during night-time.
- V. Energy Conservation measures:
 1. Provide solar power generation on roof tops of buildings, for the solar light system for all common areas, street lights, parking around the project area and maintain the same regularly;
 2. Provide LED lights in their offices and residential areas
- VI. Waste management:
 1. Incinerated ash shall be disposed of at approved TSDF and MoU made in this regard shall be submitted to the Ministry prior to the commencement.
 2. The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016.
 3. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project.
 4. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016
 5. No landfill site is allowed within the CBWTF site.
 6. The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.
- VII. Green Belt:
 1. Green belt shall be developed in the area as provided in project details, with native tree Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- VIII. Public bearing and Human health issues:
 1. Feeding of materials/Bio-medical waste should be mechanized and automatic no manual feeding is permitted.
 2. Proper parking facility should be provided for employees & transport used for collection & disposal of waste materials.
 3. Necessary provision shall be made for fire-fighting facilities within the complex.
 4. An emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 5. An emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or the environment from fires, explosions or any unplanned sudden or gradual release of hazardous waste or hazardous waste constituents to air, soil or surface water.
 6. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP,

safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

7. Occupational health surveillance of the workers shall be done on a regular basis.

IX. Corporate Environment Responsibility:

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.II I dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and not be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5. A self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.

X. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance with the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The criteria pollutant levels namely; SPM, RSPM, SP, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during Public hearings and also that during their presentation to the Expert Appraisal Committee.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
12. The Ministry may revoke or suspend the clearance if the implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
14. The Regional Office of this Ministry shall monitor compliance with the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
15. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.
16. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra Sharma)
Member

(Dr. Ratan Kar)
Member

(Om Prakash Srivastava)
Member

(Ashish Tiwari)
Member-Secretary, SEAC

(Rajive Kumar)
Chairman

Nodal, SEAC-1

MoM prepared by Secretariat in consultation with
Chairman & Members on the basis of decisions
taken by SEAC-1 during the meeting