

Invitation for submission of Expression of Interest (EOI) for Preparation of Environmental Impact Assessment (EIA) Report

Expression of Interest is hereby invited from NABET (National Accreditation Board for Education & Training) approved firms for preparation of Environmental Impact Assessment (EIA) Report for construction of Common Bio-Medical Waste Treatment Facility (CBMWTF) at Theiriat, Lunglei. Details of EOI are as indicated below:

Title of the Project:

Preparation of Environmental Impact Assessment (EIA) Report for construction of Common Bio-Medical Waste Treatment Facility (CBMWTF) at Theiriat, Lunglei.

Brief description of Common Bio-Medical Waste Treatment Facility (CBMWTF) to be constructed:

All the Health Care Establishments (HCEs) are required by law to put in place the mechanism for proper segregation and scientific disposal of Bio-Medical Waste (BMW) to minimize adverse impact on health care worker and on the environment. However, installation of individual treatment facilities by health care establishment requires significant capital investment and trained manpower for proper operation and maintenance of the treatment system. Common Bio-Medical Waste Treatment Facility (CBMWTF) offer huge advantage to health care establishments through more efficient treatment and disposal of BMW and through 'Economies of Scale' (significant decrease in cost in treatment per kilogram). So, we propose to establish a new CBMWTF with an intention to cater HCFs in Lunglei and the surrounding districts i.e Lawngtlai, Hnahthial & Siaha.

Project details of the Common Bio-Medical Waste Treatment Facility (CBMWTF) proposed to be constructed.

We propose to establish CBMWTF in an area of 1 acre at Theiriat Local Council area of Lunglei town in Mizoram. It is proposed to treat BMW generated from about 846 beds from Lunglei and the surrounding districts. The key component of the propose facility include:

Sl. No.	Equipment	Capacity
1.	Incinerator	150 Kg/hour
2.	Autoclave	1500 litres
3.	Shredder	100 Kg/hr
4	Effluent Treatment Plant	10 KLD Capacity with SCADA
5.	Deep burial	As per schedule II (5) of the BMW Rules

It is proposed to establish the proposed facility in compliance with the Bio Medical Waste Management Rules 2016 and as amended from time to time. The proposed site is fairly found to be suitable location considering both environmental and economic factors as per the SITTING criteria guidelines. The nearest Railway Station is Sairang, Aizawl which is 188 Kms and the nearest Airport is Lengpui which is 196 Kms. The electric power require for the facility shall be supply by Power & Electricity Department. For emergency purpose DG set will be installed with optimal usage.

Bid Amount:

Bid amount for preparation of Environmental Impact Assessment (EIA) Report should be clearly indicated in the EOI submitted.

Terms of Reference (TOR):

TOR for engagement of firm for preparation of Environmental Impact Assessment (EIA) Report is attached herewith.

Name & address of the executing agency:

Chief Executive Officer, Aizawl Smart City Ltd., Urban Resource Centre Building, MINECO, Aizawl, Mizoram
or at email:

EOI Submission date & Time:

EOI should be submitted to the address indicated above or at ASCL Website (<https://aizawlsmartcity.mizoram.gov.in/page/tenderbox>) on or before **12 June 2026 at 2: 00 Pm**

Sd/-
(C.C. LALCHHUANGKIMA)
Chief Executive Officer

FORMAT FOR FINANCIAL OFFER

To

Chief Executive Officer
Aizawl Smart City Ltd.
Urban Resource Centre, MINECO, Aizawl

Dear Sir

I offer to execute Environmental Impact Assessment (EIA) Report for the proposed project and the related task as per TOR & the guidelines provided by the Central Pollution Control Board (CPCB) / Ministry of Environment & Forest (MoEF) as per the approved TOR and submission to SPCB for Public Hearing as below:

S/ No.	Item	Amount
1	Environmental Impact Assessment (EIA) Report for the proposed project and the related task as per TOR & the guidelines provided by the Central Pollution Control Board (CPCB) / Ministry of Environment & Forest (MoEF) as per the approved TOR and submission to SPCB for Public Hearing	
	GST (if any)	
	Total	

(Rupees _____) only.

The above quoted price includes all cost including tax/GST for execution of the said work

Signature: _____

Name: _____

Name of Firm: _____

Address: _____

ENVIRONMENTAL IMPACK STUDY AND ASSISTANCE IN OBTAINIMNG ENVIRONMENTAL CLEARANCE

APPENDIX-A

Terms of Reference (TOR)

A. Terms of Reference:

1. Justification for selecting the site of the hospital and any off-site treatment facility
2. Justification for selecting the proposed capacity of treatment equipment

Sl. No.	Equipment	Capacity
1.	Incinerator	150 Kg/hour
2.	Autoclave	1500 litres
3.	Shredder	100 Kg/hr
4	Effluent Treatment Plant	10 KLD Capacity with SCADA
5.	Deep burial	As per schedule II(5) of the BMW Rules

3. Establishment of the facility as per BMW Rules 2016.
4. Land requirement for the facility including its break up for various purposes.
5. Details of proposed layout clearly demarcating various activities such as security, wastes storage rooms, wastes treatments/equipment Rooms/areas, treated wastes storage Room and incinerators, Effluent Treatment system or Plant (ETP) including drainage lines for ETP and others like admin area, wards or health centres etc.
6. Details on collection and transportations of Bio-medical wastes from the hospital to incinerator if located outside the hospital premises.
7. Details of wastes storage rooms/facilities
8. Details of wastes treatment equipment capacity and make.
9. Details of the incinerator:
 - a) Statement on compliance to the CPCB norms regarding waste feed cut off, combustion chambers, flue gas cleaning, ash handling etc.
 - b) Fuel requirement for incineration.
 - c) Flue gas emissions discharge through stack and proposed pollution control technologies
 - d) Residue/ash generation ad management
 - e) Waste heat utilization, if any.
10. Location of the incinerator and distance from nearest habitats (to be demarcated on a toposheet at 1:50000 scale)
11. Details on wastewater management or Effluent Treatment System.

12. Details of the proposed overall safety and health protection measures.
13. Details on source of water and power to the facility.
14. Details of road connectivity along with the likely impacts and mitigative measures.
15. Details of the present land use and permission required for any conversion such as forest, agriculture, etc.
16. Topography details.
17. Surface water quality of nearby water bodies around on-site and off-site treatment facilities.
18. Details of proposals for mitigative measures to prevent water pollution during rainy season.
19. Details on groundwater source if any and proposed monitoring thereof.
20. Details of odour control measures.
21. Ambient air quality around the proposed site/ area.
22. Details of a comprehensive on-site and off-site Disaster Management Plan including emergency evacuation during natural and man-made disaster.
23. Details of administrative and technical organization structure.
24. Details of litigation pending against the project, if any, with direction/ order passed by any Court of Law against the Project.
25. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP.
26. Land holdings certificate regarding class of land, etc must be submitted.

B. Other

1. A detailed draft EIA/EMP report prepared in accordance with the above TOR should be submitted to the SEIAA in accordance with the Notification.
2. Mizoram Pollution Control Board should be approached for conducting Public hearing for the project in accordance with provisions of Environmental impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Impact Assessment (EIA)/Environmental Management Plan (EMP) and final plan be submitted accordingly.
3. Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of SEIAA, Mizoram with reasons for such changes and permission should be sought, as the TOR may also have to be altered.
4. The prescribed TORs would be valid for a period of three years for submission of the EIA/EMP reports.

APPENDIX-B**PROCEDURE TO ASSIST IN OBTAINING
ENVIRONMENTAL CLEARANCE FROM SEAC**

Sr. no.	Activity	Probable Time Period for the commencement	Agency to be involved
a.	Confirmation of Terms of Reference	Within 7 days of signing of contract	Consultant
b.	Preparation of Environmental Impact assessment (EIA) Report for the proposed project as per TOR & the guidelines provided by the Central Pollution Control Board (CPCB) / Ministry of Environment & Forest (MoEF) as per the approved TOR and submission to SPCB for Public Hearing.	150 -180 days after confirmation of WO and initiation of work	Consultant & Project proponent
c.	Public Consultation	45 days after submission of DREIA	Consultant, Project proponent & SPCB
d.	Submission of Final EIA report	20 – 25 days after finalization of minutes of meeting	Consultant & Project Proponent
e.	Appraisal presentation and Issuance of EC.	60 to 105 days after submission of EIA report	Consultant & Project proponent

APPENDIX C**TERMS FOR BASELINE DATA COLLECTION****STUDY AREA: 10 KM****STUDY PERIOD: 12 WEEKS (EXCEPT MONSOON)**

Sr. No.	Description	No. of Location	Frequency of Sampling	Total No. of Samples	Methodology
1.	Ambient Air Quality Monitoring PM _{2.5} , PM ₁₀ , SO ₂ , NO _x as applicable	6	Twice in a week for 12 weeks	144	As per IS: 5182
2.	Meteorology Data	1	12 weeks	-	-
3.	Noise Level monitoring	6	One at each location (Day & Night)	6	Sound Level meter
4.	Water Quality (Tentative)	10	One time	20	Standard Method as per CPCB guideline
5.	Soil Quality	6	One time	6	Standard Method as per CPCB guideline
6.	Risk Assessment & Disaster Management Plan	One time			Qualitative and quantitative risk analysis along with worst case scenario using licensed software
7.	Land-use pattern	One time			Land use map prepared by field area expert by visual image interpretation using data of IRS P6 LISSIV, NRSC Satellite image, Hyderabad.
8.	Ecology & Biodiversity	One time			Primary data collection by site visit
9.	Geo hydrology study	One time			and Secondary data verification
10.	Socio-economic study	One time			Primary data collection by site visit

APPENDIC – D

After submission of draft EIA report, public hearing process includes following requirements as mentioned below:

As mentioned above all the arrangements i.e. logistics and hardware related arrangements including transportation of SPCB executives shall be carried out by 'ASCL'. We will provide our assistance for procedure.

Before Publishing EPH Notification

- Follow Up with SPCB-HO for acceptance of EIA Report
- Follow up with SPCB-HO for Getting Letter for fixing EPH Date
- Follow up and co-ordination with SPCB-RO and Collector for Finalization EPH Date
- Co-ordination with SPCB-RO, SPCB-HO for EPH Notification
- Getting EPH Notification Draft for News Papers
- Finalization of Newspaper for EPH Notice
- Publishing in Newspapers specified by SPCB
- Submission of Newspapers proof to SPCB-HO and SPCB-RO
- Upload of EIA on SPCB Website

After Publishing EPH Notification till EPH Date

- Number of colour copies of EIA & Executive Summary in local and English language
- Distribution of EIA Reports and Executive Summary in hard as well as soft copies, as suggested in EPH Notice, to Government Offices
- Distribution of EIA Reports and Executive Summary in hard as well as soft copies, to Talati / Mantri of nearby villages, as suggested by SPCB-RO
- Making publicity of EPH, as suggested by SPCB-RO (Audio Announcement)
- Pre-consultation with nearby resident of nearby Local Councils or Village Councils and their elected members
- Pre-consultation with NGOs, other institutes in nearby area
- Arrangement of Prominent and favourable speakers
- Arrangement of Support Letters from Local Councils or Village Councils / Villagers / Other important Stakeholders

Requirement of Hardware and Other Logistics

- Hall / Pandal
- Seating Arrangement including Dias and Seats on Dias
- Emergency Power Source
- Regular Power Source
- Name Plates (As per requirement)
- Folders with Presentation Materials & Executive Summary
- Tea, Snacks / Lunch, Water
- Vehicle support for EIA Consultants, SPCB (If requested)
- Company Letterheads, Stamps, Blank Papers, other office stationery

- Logistics for EIA Consultants and other stakeholders if required
- White Screen & Projector
- Laptop with Back up Laptop
- Photography & Videography which will be shared through portable SSDs/USB flash drives and stored in a cloud
- Audio Recording Back up
- Banners in Mizo & English (In the size and Format suggested and approved by SPCB)
- Typist & Steno – Mizo & English
- High Speed Scanners
- Laser Printers

ON EPH

- Co-ordination with SPCB & Collector
- EPH Presenter
- EPH Proceedings Minutization and translation, Preparations of Minutes of Meeting & 7 sets of Proceedings
- EPH Logistics Management
- EPH Proceedings signing by SPCB-RO & Collector
- BACK UP Files: EIA, ES, Land Documents, Other Legal Documents, NOC, CCA, EC Application Set
- MoM Preparation Place
- Special Lunch Arrangements

Draft Contract

1. Scope of Our Services:

Services related to Environmental Clearance:

The Environment Clearance process is governed by Environmental Impact Assessment (EIA) Notification 2006 of MoEF & CC. The complete process of Environment Clearance is divided into four Stages namely – Screening, Scoping, Public Consultation Process and Appraisal.

STAGE-1 & 2: The screening and scoping of the project

Stage-1 and stage-2 has been completed. The selected project site is complying all the conditions of site selection as per BMW rules and guidelines.

STAGE 3 & 4: The scope of Services covered under the EIA and Appraisal of the project (Scope put to tender)

- i. Successful Bidder will undertake the baseline data generation (one season except monsoon) for EIA study, as per prescribed ToR attached at **Appendix A**. The detailed scope of work / methodology for baseline data collection for impact assessment study is given at **Appendix B**, enclosed herewith.
- ii. The REIA report will be prepared based on applicable contents of Generic Structure prescribed by Ministry of Environment & Forest.
- iii. **Public Consultation process**- As location is not within notified industrial estate, public hearing will be applicable.

In such case, Successful Bidder will assist ASCL for submission of Draft REIA study report to State Pollution Control Board for carrying out public hearing. **ASCL shall arrange for all the logistics as per the advice of pollution control board**, which will cover arrangement of Hall, advertisement in local newspapers (one in English & one in regional language), distribution of number of copies of Executive Summary to villages, videography of public hearing proceedings, lodging of CPCB/SPCB officers, environment consultants etc. Successful Bidder will assist ASCL in preparation of presentation for public hearing and reply of queries raised during public hearing.

- iv. On completion of public hearing, based on minutes, REIA will be modified and final copy will be submitted to SEAC for final appraisal.
- v. Successful Bidders shall assist ASCL for preparation of technical presentation and reply of technical query (if any) till finalization of for Environmental Clearance Certificate.

2.0 COPNTRACT PRICE AND OTHER TERMS AND CONDITIONS

Fees for providing services as described in scope of work shall be as under:

- Rs. _____/- (Rupees _____ only) for preparation of EIA report and assistance as mentioned above in scope of work in public hearing till finalization of EC

PAYMENT TERMS & CONDITIONS

Preparation of EIA report as mentioned in Scope of work:

- 30 % payment shall be released as advance
- 20 % payment shall be released after submission of Draft EIA report
- 30 % payment shall be released after submission of final EIA report after public hearing
- 20 % payment shall be released on receipt of Environmental Clearance.

OTHER TERMS & CONDITIONS

- i. The charges for EIA study are based on the scope of study as shown in **Appendix C** of this offer, and does not cover any extra-ordinary studies, if imposed or prescribed by MoEF & CC.
- ii. The total time period for the entire process will be approximately 250-350 days, as shown in **Appendix B**.
- iii. **Above charges are exclusive of GST and it will be charged extra as applicable (18% at present)** Any application fees to be paid as a part of statutory requirement, will be extra and to be borne by ASCL.
- iv. Fees cover the expenses for EIA Studies and Site visits for EC applications. It also covers expenses for visit during EC presentation (a single visit). However, it does not include expenses of **visit during public hearing (Travelling in flight and lodging)**. It will be covered under ASCL scope for 2 persons of Successful Bidder's actual cost.
- v. Any requirement for **translations from English** language to any other language is **excluded** from above fees.
- vi. Any report/ certificate from Schedule-I or II Environmental Auditor are not covered under the scope and if it is required it shall be charged extra on actual.
- viii. Successful Bidder will provide 1 draft copy as well as 3 copies of final EIA report and subsequent presentations to be made before SEAC. Any extra copy shall be charged on actual basis.
- ix. Requirement for Public hearing shall be as at **Appendix-D**