

EXPRESSION OF INTEREST

FOR

Preparation of Environmental Impact
Assessment, Environment
Monitoring Plan and Environment
Management Plan

**Urban Development & Poverty Alleviation Department
Government of Mizoram**

No: B. 13036/7/2021-DTE(UD&PA)

Date : 02.06.2022

NOTICE INVITING EXPRESSION OF INTEREST

Urban Development & Poverty Alleviation Department, Govt. of Mizoram invites expression of interest for Preparation of Environmental Impact Assessment, Environmental Monitoring Plan and Environment Management Plan for Solid Waste Management System at Lunglei, Lunglei District, Mizoram.

The EoI is to be submitted in closed covers and addressed to the Director, Urban Development & Poverty Alleviation Department on or before 17/06/2022 2:00 PM.

EoI document can be downloaded from the Department's website www.udpamizoram.nic.in from 03/06/2022 onwards.

Other details can be seen in the EoI document.



(H. LIANZELA)

Director

Urban Development & Poverty Alleviation Department

Mizoram: Aizawl

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Schedule of Events:

| Sl. No. | Event | Date | Venue |
|---------|---|--|--|
| 1 | DATE FOR DOWNLOADING EOI DOCUMENT | 3 rd June, 2022 | www.udpamizoram.nic.in |
| 2 | LAST DATE FOR RECEIVING QUERIES & COMMENTS | 10 th June, 2022 Up to 5:00 PM | Directorate of UD&PA |
| 3 | LAST DATE FOR SUBMISSION OF EXPRESSION OF INTEREST (EOI DUE DATE) | 17 th June, 2022 Up to 2:00 PM | |
| 4 | OPENING OF EOI | 17 th June, 2022 3:00 PM | |

1. If any date specified herein is a holiday, then the next working day will be considered for the activity and the time will remain the same.
2. The Schedule indicated above is tentative and the Department may change any or the entire schedule under intimation to Consultants.

**Notice for Expression of Interest Preparation of Environmental Impact Assessment,
Environmental Monitoring Plan and Environment Management Plan for Solid Waste
Management System at Lunglei**

1. Project Background:

The Solid Waste Management System at Lunglei will cater all the solid waste related matters by using scientific method of processing and disposal. The project will include setting up of offices, quarters, check post, weighbridge, Mechanical-compost centre, waste resource management centre and landfill with leachate pond.

Summary of SWM in Lunglei:

| Components | Status/Remarks |
|-------------------------------|-----------------------------|
| Municipal waste generation | 25.65 TPD |
| Per capita waste generation | 300 grams |
| Door to Door waste generation | Yes |
| Waste collection vehicles | Yes |
| Waste dumping | Open dumping |
| Street sweeping | Daily on major roads |
| Waste collection frequency | Collected on Alternate days |

The Project aims at ensuring:

1. Segregation of waste at source.
2. Street sweeping covering all the areas of the city.
3. Transportation of bio-degradable and inert materials in covered vehicles.
4. Setting up of mechanical-compost plant.
5. Setting up of waste resource management centre with baling machine.
6. Sanitary Landfill for inert/hazardous waste

This EoI intends to shortlist agencies capable of Preparation of Environmental Impact Assessment, Environmental Monitoring Plan and Environment Management Plan for Solid Waste Management System at Lunglei.

2. Request for Expression of Interest (EOI):

Urban Development & Poverty Alleviation Department, Govt. of Mizoram invites expression of interest for Preparation of Environmental Impact Assessment, Environmental Monitoring Plan and Environment Management Plan for Solid Waste Management System at Lunglei

3. Validity of Eoi:

The Eoi shall be valid for a period of not less than 120 days from the Eoi Due Date. Urban Development & Poverty Alleviation Department reserves the right to reject any Eoi which does not meet the requirement.

4. Eoi Fee:

Eois should be accompanied by a Demand Draft of Rs. 10,000/- in favour of Director, Urban Development & Poverty Alleviation Department.

5. Fee:

- i. The Consultant/Firm shall be paid fee as per the detailed estimated amount of the project and other charges as applicable.
- ii. Any tax levied by laws, such as Service tax etc. contingent to professional services rendered, shall be payable by the UD&PA Department, over and above the gross fees charged in relation to the services provided.

6. Schedule of Payment:

The Consultant/Firm shall be paid professional fee in the following stages consistent with the work done plus other charges and reimbursable expenses agreed upon:

| | |
|---|-----------------|
| Stage 1 On submitting Draft EIA & EMP Report. | 20% of the fees |
| Stage 2 On acceptance of Draft EIA & EMP Report by UD&PA Department | 40% of the fees |
| Stage 3 On Environmental Clearance received. | 40% of the fees |

7. Eligibility Criteria:

To be eligible the applicant:

- i. Should have accreditation from Quality Council of India/National Accreditation Board of Education and training (QCI/NABET) as per EIA Notification, 2006 and should produce a certificate in this regard.
- ii. Should not have been blacklisted or debarred from participating in tenders by any Central / State Government agencies or autonomous bodies or universities/ institutions. (An undertaking to this effect should be furnished).
- iii. Should submit the following documents
 - a. List of similar projects undertaken in the past (including completed and ongoing projects, in India and abroad) with details as per form given in Appendix I.
 - b. Company Registration certificate and in case of partnership company, partnership deed with power of attorney. In case of non-Indian entity, equivalent documents must be furnished (similarly for items c-f below)
 - c. PAN Card of the firm
 - d. List of clients presently being served/served in past for similar work, with Contact name, address and mobile no., accompanied by relevant work orders/ pay orders/ client certificates
 - e. Consultants may associate with other firms to enhance their qualifications but should indicate clearly whether the association is in the form of a joint venture and/or a subconsultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected. The nature of association i.e. whether JV or Sub-Consultant, must be clearly mentioned in the Expression of Interest.

8. Brief description of the Selection Process:

The firms whose proposals have been selected at this stage will thereafter be assigned to prepare and submit Environmental Impact Assessment, Environmental Monitoring Plan and Environment Management Plan for Solid Waste Management System at Lunglei till the final Environmental Clearance is received.

9. Submission of EOIs:

The agencies fulfilling the eligibility criteria may submit their application against this Eol along with reasonable cost for preparation of Environmental Impact Assessment, Environmental Monitoring Plan and Environment Management Plan for Solid Waste Management System at Lunglei, Lunglei District, Mizoram together with requisite documents upto 2:00 PM on 17/05/2022 to the Director, Urban Development & Poverty Alleviation Department, Govt. of Mizoram in a sealed envelope, clearly mentioning on the envelope:

“Eol Notice No. For Preparation of Environmental Impact Assessment, Environmental Monitoring Plan and Environment Management Plan for Solid Waste Management System at Lunglei, Lunglei District, Mizoram.”

To,
The Director
Urban Development & Poverty Alleviation Department
Govt. of Mizoram

From,

Contact No.
Email Id.

10. Clarifications:

10.1 Any firm requiring any clarification may notify Urban Development & Poverty Alleviation Department in writing. Firms should send in their written queries latest by the Last Date for Receiving Queries as given in the Schedule of Events. Urban Development & Poverty Alleviation Department will respond to any request for clarification as per the calendar of the event prior to the deadline for submission of Eol.

10.2 To facilitate evaluation of Eol, Urban Development & Poverty Alleviation Department may, at its sole discretion, seek clarifications in writing from any Firm regarding its Eol. Notwithstanding anything contained in the Eol Document, Urban Development & Poverty Alleviation Department reserves the right not to take into consideration any such clarifications sought by it for evaluation of the Eol and also reserves the right not to respond to any correspondence received from the Firm after the Eol Due Date.

11 Notification:

- 11.1 Any EoI with inadequate information/documents or those received after the closing date and time will not be considered. The short listing will be done on the basis of the above information/ documents. In this regard, the decision of Urban Development & Poverty Alleviation Department, Government of Mizoram will be final.
- 11.2 The shortlisted agencies shall be declared and notified in writing by Urban Development & Poverty Alleviation Department, Government of Mizoram within 7 (seven) days from the date of opening of EoI.

12 Documents:

The lists of documents to be submitted along with EOI are

- a. Name, address, e-mail, contact No. along with a note on the Ownership and organizational structure & core business area of the consulting firm;
- b. A short write-up on technical and managerial capability of the firm.

13 EOI along with TOR is available at www.udpamizoram.nic.in

14 ToR is attached at Annexure.



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TERMS OF REFERENCE FOR PREPARATION OF ENVIRONMENTAL IMPACT ASSESSMENT, ENVIRONMENTAL MONITORING PLAN AND ENVIRONMENT MANAGEMENT PLAN

1. Project name and location (Village, District, State)
2. Site selection of the project- Nature of land- Agricultural (single/double crop), barren, Govt/private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10km, other industries, forest, eco-sensitive zones.
3. Occupational health issues. Baseline data on the health of the population in the impact zone and measures for occupational health and safety of the personnel and manpower.
4. A 10 km. radius map (on survey of India toposheet) showing co-ordinates of project site, national highway, state highway, district road/approach road, river, canal, natural drainage; protected areas, under Wild Life (Protection) Act, archaeological site, natural lake, flood area, human settlements (with population), industries, high tension electric line, prominent wind direction (summer and winter), effluent drain, if any and ponds etc. should be presented and impacts assessed on the same.
5. Layout plan/map of project site showing storage area, green belt area (33% of the project area), all roads, prominent wind direction, processing plant & other infrastructure, etc.
6. Detailed plan for construction of retaining wall to check dispersal of waste to other areas.
7. Fire Control Plan to check fire outbreak in adjoining areas. Open burning in landfill sites should be discontinued. Risk assessment and on-site emergency plan should be prepared.

8. Details of storm water/ leachate collection from the composted area.
9. Details of monitoring of water quality around the landfill site. Water analysis shall also include for nitrate and phosphate.
10. Details of the odor control measures.
11. Details of surface hydrology and water regime and impact on the drainage and nearby habitats/settlements (surroundings), water bodies/rivers/ ponds and mitigative measures during rainy season.
12. Status of ambient air quality and surface and ground water quality, soil type, cropping pattern, land use pattern, population, socio-economic status, anticipated air and water pollution.
13. Details of impact on water bodies/rivers/ ponds and mitigative measures during rainy season.
14. Submit the criteria for assessing waste generation. Any segregation of hazardous and bio-medical wastes.
15. Submit a copy of the land use certificate from the competent authority.
16. Details of one complete season AAQ data (except monsoon) with the dates of monitoring, impact of the project on the AAQ of the area (including H₂S, CH₄).
17. Submit a copy of the topography of the area indicating whether the site requires any filling, if so, the details of filling, quantity of fill material required, its source and transportation, etc.
18. Detail plan of Waste Management.
19. Details of protection from surface drainage, and action plan for measures to be taken for excessive leachate generation during monsoon period.
20. Details of impact on environmental sensitive areas.

21. Details of air emission, effluents generation, solid waste generation and their management.
22. Details of rehabilitation/compensation package for the project effected people, if any.
23. Details of various waste management units with utilities indicating size and capacity for the proposed project.
24. Methodology for remediating the project site, which is being used for open dumping of garbage.
25. Detailed Environment Monitoring Plan and Environment Management Plan with costs and parameters.
26. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
27. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
28. The draft EIA/EMP report as per above ToR shall be submitted to the State Pollution Control Board for public hearing and the issues raised by the public shall be incorporated in the Final EIA/EMP report.
29. Public hearing may also be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006.
30. In addition, the following safeguards maybe included in the project.
 - a) Timeline for shifting to zero landfill and 100% waste utilization, treatment and processing. Focus need to be on creation of waste to wealth.
 - b) Retaining wall along the dumping site maybe built to check the dispersal of waste. Moreover, adequate infrastructure maybe created to avoid leakage of pollutants from dumped wastes through underground water.

LIST OF SIMILAR PROJECTS UNDERTAKEN IN THE PAST

| Sl. No. | Name of Project | Name of Client & Country of Project | Duration (Start - End) | Status of Project (Completed/Ongoing) | Contract Value (in Rs.) |
|----------------|------------------------|--|-----------------------------------|--|------------------------------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |

**Authorized Signatory
Name & Designation**