

**EXPRESSION OF INTEREST (EoI) DOCUMENT  
FOR  
PREPARATION OF GIS BASED DEMARCATION MAP  
FOR  
COMPREHENSIVE ENVIRONMENTALLY POLLUTION  
INDEX (CEPI) AREA OF BYRNIHAT (ASSAM)**



**POLLUTION CONTROL BOARD, ASSAM  
BAMUNIMAIDUM, GUWAHATI -781021. INDIA**

# **GUIDANCE DOCUMENT FOR SUBMISSION OF EXPRESSION OF INTEREST (EOI) FOR PREPARATION OF DEMARCATION MAP FOR COMPREHENSIVE ENVIRONMENTALLY POLLUTION INDEX (CEPI) AREA OF BYRNIHAT (ASSAM)**

## **Scope of Work**

Central Pollution Control Board, Delhi has identified Byrnihat (Assam) is Critically Polluted Area (CPA) with CEPI Score of 78.31. Hon'ble National Green Tribunal (NGT) vide its order in O.A. No. 1038/2018 dated 10-07-2019 directed that an adequate measures are need to be taken in the form of time bound Action Plan to restore and improve the environmental quality of Byrnihat Area of Assam. Accordingly Board has prepared an Action Plan for the same and submitted to Central Pollution Control Board, Delhi.

But, Central Pollution Control Board, Delhi has recommended to incorporate a Map showing demarcation of boundaries, clearly, of core area and also the impact area i.e. 5 km from the boundaries of core area. After completion of the Demarcation Map the Action Plan will be resubmitted to the CPCB for final approval as early as possible.

Accordingly, the Demarcation map should show two areas:

- (i) Core area of 2 km radius.
- (ii) Impact Area : i.e. 5 km from the boundaries of the core area.

## **Objective of the Work**

Since, environmental quality of the Byrnihat(Assam) CPA are affected by a variety of complex sources, detailed scientific studies are required for identification of major sources, assessing their contributions to the environmental degradation and suggest mitigation measures taking into consideration the techno-economic feasibility and other social factors. Accordingly, to demarcation of the area is very important to identify the source of pollution and control measures can be initiated to promote and demonstrate a more rational & proactive approach to environmental quality management in Byrnihat(Assam) CPA.

## **Expected deliverables of the assignment**

The assignment shall be for a period of 1 month and the delivery schedule shall be as follows:-

1. Interim Report after completing field visits - 10 day
2. Draft Map - 7 days
3. Final Map after incorporating modifications suggested by the Board - 13 days

## **Area details:**

The area for preparing the Demarcation map of Critically Polluted Area Byrnihat (Assam) is: (i) Core area of 2 km radius and (ii) Impact Area : i.e. 5 km from the from the boundaries of core area.

## Instruction to reputed Firms/ institution

- Reputed firm/ institutions are requested to submit Expression of Interest (EOI) for carrying out the preparation of 'GIS based Demarcation Map of Comprehensive Environmentally Pollution Index (CEPI) area of Byrnihat (Assam).
- Interested firm/ institutions may submit the Expression of Interest (EOI) by providing required information as per the prescribed format, which is downloadable from the Website: [www.pcbassam.org/tender.html](http://www.pcbassam.org/tender.html) of Pollution Control Board, Assam.
- The EOI filled in as per the prescribed format and supported with relevant documents must reach the Office of Member Secretary, Pollution Control Board, Assam, Bamunimaidum, Guwahati-781021 on or before 27-10-2020 2.00 P.M. The envelope must be clearly superscripted as "**EXPRESSION OF INTEREST FOR PREPARATION OF GIS BASED DEMARCATION MAP OF COMPREHENSIVE ENVIRONMENTALLY POLLUTION INDEX (CEPI) AREA OF BYRNIHAT (ASSAM)**".
- The Eoi can also be submitted through Registered Post/ Speed Post. But the authority shall not be held responsible for any postal delay for non-receipt of Eoi within scheduled date and time.
- The PCB, Assam reserves the right to reject any or all Eois without assigning any reasons thereof.
- The Eois will be evaluated by an Evaluation Committee (EC) constituted for the specific purpose. The scores will be assigned to the response of each firm/ institution based on the weightage assigned to each of the criteria in Eoi. The weightage criteria will be followed as per following **Table-I**.

**Table-1: The scoring criteria**

<b>The scoring criteria</b>	<b>SI No</b>	<b>Sub Criteria</b>	<b>Marks</b>	<b>Total Marks</b>
Past Experience of the Firm/Institute	1.	Past experience of work of similar nature	36	
	2.	Sector Past experience of work in related sector	18	
	3.	Work carried out in Assam	06	
	<b>Total</b>			
Experience of Key Personnel	1.	Qualification	07	
	2.	Relevant Experience	18	
	<b>Total</b>			
Facility available For preparation of GIS based Map	1.	Rating of the Firm/ institution	15	
	<b>Total</b>			
<b>Grand Total Marks</b>				<b>100</b>

- The assignment of marks within each criteria and final qualifying marks will be decided by the Evaluation Committee.
- The shortlisted Firms/Institutions for final selection process which they have submitted.

### **Eligibility/ prequalification Criteria of shortlisting of Firms/institution**

- The Firms/Institutions must have similar type of experience in preparation of GIS Map or other such related and mapping studies.
- The Firms/Institutions should have capacity to undertake all type of measurement or monitoring facility for survey of area, and other related measurement towards execution of the project.
- The Firms/Institutions should have qualified & experienced GIS mapping Experts, Surveyor etc. to conduct the field work as well as preparation of GIS based Demarcation Map. The educational qualification of functional experts, area of specialization and technical skill, experience and expertise in relevant field will be criteria for selection of Firms/Institutions.

### **Specification:**

- 1) Size of Map: Large scale Map.
- 2) Location of different Industries should be placed on the Map.
- 3) Core Area should be demarcated covering the cluster of industries upto 2 km radius.
- 4) Buffer zone (Impact area) should be demarcated 5 km from the boundaries of core area.
- 5) Village map boundary/ water bodies/ other natural resources/ Social or cultural institutions if any should be placed in the map.
- 6) Incorporate the data base for individual details of industries.
- 7) Boundary notation should be marked properly.
- 8) Output of the work should be submitted in pdf format (in softcopy as well as hardcopy) and also the Arc GIS softcopy in editable format should be submitted to the Member-Secretary of the Board.

## **Terms & Conditions:**

- 1) The EOI must accompany Annexure-I with Annexure-II in a "single envelop system" along with the EOI duly filled in and signed by the bidder along with the seal of the Firm.
- 2) The Firms/Institutions are requested to quote-total price of each item separately indicating the Govt. levies, freight and other expenditure item-wise F.O.R. PCBA, Guwahati. The bidders are expected to examine the EOI documents carefully and are deemed to have received and read all documents. It shall be the responsibility of the bidders to request the copies of any missing documents. Failure to do so will be at bidders risks.

**BIDDER CAN QUOTE THE RATES FOR ALL THE ITEMS REQUIRED FOR PREPARATION OF THE DEMARCATION MAP. NO SEPARATE PRICE EOI AND TECHNICAL EOI SHOULD BE SUBMITTED, ONLY CLEARLY MENTIONING THE ITEM NAME ON THE TOP OF THE ENVELOPES WITH SENDERS NAME AND ADDRESS. THE POLLUTION CONTROL BOARD, ASSAM, RESERVES THE RIGHT TO ACCEPT THE EOI IN FULL OR IN PART.**

- 3) It may be noted that mere quoting lowest rates will not entitle any firm to get the order. The quality of the item being offered, the past performance activity of similar job etc. will also be taken into consideration. Prior to award of order the bidder can call any details, explanation, regarding technical & financial aspect, including demonstration of the final demarcation map.
- 4) The EARNEST MONEY shall be in the form of Demand Draft only in favour of "MEMBER SECRETARY, POLLUTION CONTROL BOARD, ASSAM" payable at GUWAHATI. EOI shall not be entertained where a bidder has not furnished adequate earnest money as specified in the Annexure –IV. In case of non-supply within stipulated time or the item supplied is found defective and not attended by the supplier, the Earnest Money deposited by the supplier will be forfeited.
- 5) The Firm who seek exemption from depositing earnest money being small scale industry or being registered with NSIC, DGS&D and other Government agencies which entitles them for exemption must submit the valid Registration Certificate covering the instrument offered by them along with the permissible value. The copy of Government Notification granting exemption from deposit of EMD must be submitted along with the techno- commercial part of tender along with the bid. (EMD Exemption will be granted only to those items specified in the certificate of Registration).
- 6) Unsuccessful bidders bid security will be discharged/ returned without any interest in the same form after the concerned purchase is finalized and that of successful bidders will be discharged without interest after the successful completion of the work.

- 7) The validity of EOI would be for a minimum period of 180 days from the date of opening of EOI. An EOI valid for a shorter period may be rejected by the Board as non-responsive.
- 8) The rates should be quoted both in words and figures. If there is discrepancy between words and figures, the amount mentioned in words will prevail.
- 9) The EOI shall be typed or written in indelible ink and shall be signed by the Bidder or a person duly authorized to the contract. The letter of authorization should bear the signatures of only the authorized person of the firm. All pages of the EOI, except for un-amended printed literature shall be initial by the person or persons signing the EOI.
- 10) To assist in the examination, evaluation and comparison of EOIs the buyer may, at its discretion, ask the Bidder for a clarification of its EOI. However, no change in the price or substance of the EOI shall be sought, offered, re-permitted.
- 11) The specifications are clearly mentioned in the document and the Bidder are requested to submit EOI only if their offer comply with these specifications.
- 12) With the submission of the EOI, the Bidders are deemed to accept the terms & conditions of the Tender.
- 13) The Supplier should attach a copy of financial bid (without cost/price figures) along with the technical bid to assess the item/components quoted in the bid.
- 14) The finalization of the Demarcation Map is the entire responsibility of the supplier. It must be completed within the stipulated time.
- 15) The Bidder must sign each and every folio of the EOI.
- 16) If the Map supplied is found defective/unsatisfactory /other than specifications in the Offered Order, the same will have to be replaced/modified at the suppliers' risk and cost. The Board will not pay freight and other charges for replacement.
- 17) The prices must be quoted item-wise i.e. basic price, taxes, packing forwarding, handling charges etc. The charges must be quoted clearly and not in vague terms like "As Actual" "Approx" etc.
- 18) **Payment Condition:**  
Full payment will be released on supply and completion of the work on good and satisfactory condition. No proposal for advance payment will be allowed in any case. Proposal for advance payment, document and payment through bank will not be considered. Hence no preference will be given for such advance payment proposals.

## Annexure-I

### FORMAT FOR SUBMISSION OF EXPRESSION OF INTEREST (EOI) PREPARATION OF DEMARCATION MAP FOR COMPREHENSIVE ENVIRONMENTALLY POLLUTION INDEX (CEPI) AREA OF BYRNIHAT (ASSAM)

Name of the Firm/Institute				
Year of Registration/ Incorporation/ Establishment of the Firm/Institute				
Address of communication				
Phone	Fax	E-mail	Website	
Core area of specialization				
Details of facility available to conduct such type of studies (please present brief description of offices, laboratory etc.)				
Key persons for above areas of specialization (Pls enclose separate sheets if space provided is inadequate)				
Name	Highest Educational qualification	<b>Area of specialization</b>	<b>Experience</b>	<b>Year of association with the institute</b>
Work executed by the Firm/Institute on similar type of GIS mapping (during last 5 years) (Pls enclose separate sheets if space provided is inadequate)				
<p>I hereby declare that the above information is true to the best of my knowledge and I am authorized by my firm to fill up and submit on its behalf.</p> <p style="text-align: right;"><b>Authorized Signatory</b></p>				

**Annexure-II**

To

The Member Secretary,  
Pollution Control Board, Assam,  
Bamunimaidum, Guwahati-781021

**Sub: Expression of Interest for preparation of GIS based Demarcation Map of Comprehensive Environmentally Pollution Index (CEPI) area of Byrnihat (Assam)”.**

Sir,

I/ We do submit herewith our Eol in prescribed format in sealed cover as per requirement for the above stated study.

Yours faithfully,

Signature:.....

Name:.....

Designation: .....

Institution Name, Seal

& Address:.....