

**EXPRESSION OF INTEREST (EoI) DOCUMENT
FOR
COMPREHENSIVE CARRYING CAPACITY STUDY OF
ENVIRONMENTAL POLLUTION LOAD AND ITS SOURCE
APPORTIONMENT STUDY/ EMISSION INVENTORY AND HEALTH
IMPACT STUDY FOR THE CRITICALLY POLLUTED AREA (CPA)
OF BYRNIHAT (ASSAM)**



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

GUIDANCE DOCUMENT FOR SUBMISSION OF

EXPRESSION OF INTEREST (EOI) FOR COMPREHENSIVE CARRYING CAPACITY STUDY OF ENVIRONMENTAL POLLUTION LOAD AND ITS SOURCE APPORTIONMENT STUDY/ EMISSION INVENTORY AND HEALTH IMPACT STUDY FOR THE CRITICALLY POLLUTED AREA (CPA) 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.

In the Action Plan an action point on under Air, Source Apportionment, Emission Inventory study and Health Impact study was incorporated. Moreover, various monitoring activities on Water Quality (surface / waste water/ground water), Air Quality (Emission/ Ambient) are to be done along with identification of various sources of Wastes (Hazardous, Plastic, Solid, Biomedical) and their scientific disposal. Covering all these aspects, it is intended to carry out a Comprehensive Carrying Capacity Study of Environmental Pollution Load and its Source Apportionment Study/ Emission Inventory and Health Impact Study for the Critically Polluted Area (CPA) of Byrnihat (Assam).

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 of pollution within the CPA, assessing their contributions to the environmental degradation considering prescribed stringent effluent & emission norms; and suggest mitigation measures taking into consideration of the socio-economic and health impact study of that area. Board had already prepared the demarcation Map for the area which will be helpful for identifying 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 6 months and the delivery schedule shall be as follows:-

1. Interim Report after completing field visits - 4 months
2. Draft Report - 1 month (to be submitted to the Board for discussion and review, if any).
3. Final Report after incorporating modifications suggested by the Board - 15 days

Area details:

The area for carrying out the studies will be as per 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 Comprehensive Carrying Capacity Study of Environmental Pollution Load and its Source Apportionment Study/ Emission Inventory and Health Impact Study for the Critically Polluted Area (CPA) 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 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, Bamunimaikum, Guwahati-781021 on or before **17-04-2025 2.00 P.M.** The envelope must be clearly superscripted as **“EXPRESSION OF INTEREST FOR COMPREHENSIVE CARRYING CAPACITY STUDY OF ENVIRONMENTAL POLLUTION LOAD AND ITS SOURCE APPORTIONMENT STUDY/ EMISSION INVENTORY AND HEALTH IMPACT STUDY FOR THE CRITICALLY POLLUTED AREA (CPA) 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

The scoring criteria	Sl No	Sub Criteria	Marks	Total Marks
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 any NE States	06	
	Total			60
Experience of Key Personnel	1.	Qualification	07	
	2.	Relevant Experience	18	
	Total			25
Facility available For carrying out Studies	1.	Rating of the Firm/ institution	15	
	Total			15
Grand Total Marks				100

- 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/ pre-requisite qualification Criteria of shortlisting of Firms/institution

- The Firms/Institutions must have similar type of experience in carrying out Comprehensive Carrying Capacity Study of environmental pollution load and its Source Apportionment study comprising Air, Water, Land Use and NV studies along with socio-economic and health impact study in CPA/SPA of other States or other such related 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 study.
- The Firms/Institutions should have qualified & experienced Experts, Surveyor etc. to conduct the field work as well as carrying out CCCS and SA/EI studies. 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) Identification of major sources of pollution within the CPA, assessing their contributions to the environmental degradation considering prescribed stringent effluent & emission norms; and suggest mitigation measures taking into consideration of the socio-economic and health impact study of that area.
- 2) Preparation of presentation and presented before SEAC/ committee members
- 3) Field Monitoring for Base line data generation for Air, Water (Ground Water & Surface Water), Noise & Vibration studies, Geology & Hydrogeology and Land Use and Land Cover Studies.
- 4) A topographical map of the study area (core zone and 10 km area of the buffer zone from boundary of the core zone) delineating the major topographical features such as landuse, drainage, locations of habitats, major constructions including roads, railways, pipelines, major industries, if any, in the area are to be mentioned.
- 5) Studies of Biological i.e. flora and fauna as well as Socio economic studies has to be in elaborate way:
- 6) Interpretation of data/results and preparation of Report.
- 7) Submission of Draft CCCS & SA/EI Report to project proponent for review.
- 8) Incorporation of comments from experts committee members with compliance in CCCS & SA/EI report
- 9) Submission of Final CCCS & SA/EI reports after incorporation of comments from concerned authorities for appraisal.
- 10) Preparation of CCCS & SA/EI presentation and to be presented before Authority and follow-up till grant.
- 11) Firm/Institution have to carry out each study separately for which they have to submit the financial bid separately.
- 12) Output of the work should be submitted as softcopy(in pdf format) as well as hardcopy 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 separately for the study to be carried for environmental pollution load related to Air/ Water, etc. and other for socio-economic and health impact aspect.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) The specifications are clearly mentioned in the document and the Bidder are requested to submit EOI only if their offer comply with these specifications.
- 10) With the submission of the EOI, the Bidders are deemed to accept the terms & conditions of the Tender.
- 11) The Firms/Institutions 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.
- 12) The finalization of the CCCS & SA/EI study and Health Impact study is the entire responsibility of the Firms/Institutions. It must be completed within the stipulated time.
- 13) The Firms/Institutions must sign each and every folio of the EOI.
- 14) If the Study report carried out is found unsatisfactory other than specifications in the Offered Order, the same will have to be replaced/ modified at the risk and cost of the Firm /Institution. The Board will not pay freight and other charges for replacement.
- 15) 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.
- 16) **Payment Condition:**

Full payment will be released on satisfactory completion of the studies. 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) FOR
COMPREHENSIVE CARRYING CAPACITY STUDY OF ENVIRONMENTAL POLLUTION
LOAD AND ITS SOURCE APPORTIONMENT STUDY/ EMISSION INVENTORY AND
HEALTH IMPACT STUDY FOR THE CRITICALLY POLLUTED AREA (CPA) 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 (Plz. enclose separate sheets if space provided is inadequate)				
Name	Highest Educational qualification	Area of specialization	Experience	Year of association with the institute
Work executed by the Firm/Institute on similar type of studies (during last 3 years) (Plz. enclose separate sheets if space provided is inadequate)				
<p align="center">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 align="right">Authorized Signatory</p>				

Annexure-II

To

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

SUB: EXPRESSION OF INTEREST (EOI) FOR COMPREHENSIVE CARRYING CAPACITY STUDY OF ENVIRONMENTAL POLLUTION LOAD AND ITS SOURCE APPORTIONMENT STUDY/ EMISSION INVENTORY AND HEALTH IMPACT STUDY FOR THE CRITICALLY POLLUTED AREA (CPA) OF BYRNIHAT (ASSAM).

Sir,

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

Yours faithfully,

Signature:.....

Name:.....

Designation:

Institution Name, Seal

& Address:.....