

Invitation of Expression of Interest (EOI)

From

Educational/Research Institutions

**Source Apportionment and Emission Inventory Study
For Dehradun, Rishikesh and Kashipur Cities of Uttarakhand**



**UTTARAKHAND ENVIRONMENT PROTECTION &
POLLUTION CONTROL BOARD**

Ref No: UEPPCB/BMW/EOI/2019-20/01

Date of Issue: 05.01.2020

Last date of Submission:05.02.2020

INVITATION OF THE Expression of Interest (EOI)

Date of EOI	05.01.2020
Item Description	Expression of Interest (EOI) for Source Apportionment and Emission Inventory Study for Dehradun, Rishikesh and Kashipur Cities of Uttarakhand
Category	Technical Study
Last date & Time of submission of Tender :	05.02.2020, 12:00 Noon
Place of Submission of Bids	UEPPCB, 46-B, SIIDCUL, IT Park Sahastradhara Road, Dehradun-248001
Submission of EOI	Financial Proposal to be kept in the form of Form-9 in separate sealed envelope
Pre BID Meeting Date	20.01.2020, 11:00 AM
Opening Date & Time of tender	05.02.2020, 3:00 PM
Tender Fees	Tender Fee of Rs. 1000/- (Rs. One Thousand Only) in the form of Demand Draft in the favor of 'Member Secretary, Uttarakhand Environment Protection & Pollution Control Board, Dehradun, Payable at Dehradun.
Place of Opening EOI	UEPPCB, 46-B, SIIDCUL, IT Park Sahastradhara Road, Dehradun-248001
Any Clarification	Name : Dr. Ankur Kansal, Environment Engineer Uttarakhand Environment Protection & Pollution Control Board Email : ankurkansal.ueppcb@uk.gov.in Tel. No. : 9412992375

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A.1 Notice Inviting Expression of Interest (EOI)

INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR SOURCE APPORTIONMENT AND EMISSION INVENTORY STUDY ON THE LEVELS AND SOURCES OF POLLUTION IN UTTARAKHAND

1. The Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) intends to engage educational and research institutions of National and International repute, to carry out a Source Appointment and emission Inventory Study on the level and Source of Pollution and prepare strategy for cost effective measures for abatement of air pollution in the areas of Dehradun, Rishikesh and Kashipur. The study will be for a period of one and half years.
2. The Board proposes to conduct the above study through reputed educational and research institutions and undertakings of the State/Central Government. Expression of Interest (EoI) for carrying out the proposed study for the sites/indicating the interest in carrying out source apportionment and emission inventory study prescribing cost effective measures for abatement of air pollution in the above area from such institutions are hereby invited.
3. The interested institutes may submit the Expression of Interest(EoI) by providing required information as per the prescribed format, which may be downloaded from the Website of the State Pollution Control Board(www.ueppcb.uk.gov.in).
4. The duly filled EoI, supported the relevant documents must reach the office of Member Secretary, Uttarakhand Environment Protection & Pollution Control Board, Gaura Devi Paryavarn Bhawan 46 B IT Park, Sahatrdhara Road, Dehradun, Uttarakhand. On or before 05.02.2020 (12:00 Noon) The envelope must be clearly superscripted as “EXPRESSION OF INTEREST FOR SOURCE APPORTIONMENT AND EMISSION INVENORY STUDY ON THE LEVEL AND SOURCE OF POLLUTION”.
5. The EoI can be submitted through Registered Post/Speed Post. Thee UEPPCB shall not be held responsible for any postal delay for non-receipt of EoI within scheduled date and time.
6. The UEPPCB reserves the right to reject any or all EoI without assigning may reasons thereof.

The important details pertaining to the submission of the EOI are as under:

Date of issue of EOI	05.01.2020
Date of pre-bid meeting	20.01.2020 (11:00 AM)
Due date for submission of EOI	05.02.2020 (12:00 Noon)
Date of opening of EOI	05.02.2020 (3”:00 PM)
Cost of EOI document	Rs 1000

The EOI document can be downloaded from UEPPCB ’s website www.ueppcb.uk.gov.in in free of cost.

Member Secretary, UEPPCB



A.2 About Uttarakhand Environment Protection and Pollution Control Board

The Uttarakhand Environment Protection and Pollution Control Board (UEPPCB) is a statutory Organization constituted under the section 4 of Water (Prevention and Control of Pollution) Act, 1974 to implement Environmental laws and rules within the jurisdiction of Uttarakhand having 13 Districts.

The UEPPCB came into existence on 1st May 2002 and functions through its Head Office at Dehradun along with its 4 Regional Offices, Dehradun, Roorkee, Haldwani & Kashipur. UEPPCB has always endeavoured to strike a rational balance between economic growth and environmental conservation. The Board has been entrusted with the powers and functions under the Water (Prevention and Control of Pollution) Act 1974. Subsequently the implementation of Water (Prevention and Control of Pollution) Cess Act, 1977; Air (Prevention and Control of Pollution) Act, 1981; Environment Protection Act (1986) and the Public Liability Insurance Act, 1991 was also entrusted to the State Board.

Under Environment Protection Act, 1986, Various Waste Management Rules have been framed. UEPPCB has also the responsibility to enforce the provisions the rules. These Rules related to management Plastic Waste, Bio-Medical Waste, Hazardous Waste, E-Waste, Battery Waste



B. Need of the Source Apportionment (SA) and Emission Inventory (EI) Study

1. Hon'ble NGT in Original Application 681/2018 has passed order to prepare Air Quality Action Plans for Non-Attainment cities.
2. There are 03 towns of the State of Uttarakhand namely Dehradun, Rishikesh and Kashipur for which Air Action Plans have been prepared and approved by the State Level Air Quality Monitoring Committee.
3. One of the action points in all the action plan of 03 cities is to carry out Source Apportionment (SA) and Emission Inventory (EI) studies.
4. The matter was placed in the Board Meeting held on 29.11.2019 and it is decided the SA and EI study to be carried out by calling EOI from the Educational/research institutions.

B.1 Objective of the Assignment

Since, air quality in urban centers are affected by a variety of complex sources, detailed scientific studies are required for identification of major sources, assessing their contributions to urban air pollution and suggest mitigation measures taking into consideration the techno-economic feasibility and other social factors. Accordingly, this study has been initiated to promote and demonstrate a more rational & proactive approach to air quality management in urban areas.

Study objectives:

- To profile Ground Level Concentration (GLC) of air pollutants in different parts of the city along with air shed of the city including background, residential, commercial/mixed areas and source specific “hot spots” viz. kerbside/roadside, industrial zones, etc.
- To select “Emission Factors” (EF) for different categories of vehicles with due consideration to variations in fuel quality, technology, size and vintage of sources, control systems, etc.
- To select appropriate emission factors for other non-vehicular sources viz. industries, industrial & domestic fuel combustions, roadside dust, construction activities, generator sets, etc.
- To prepare inventory for different air pollutants, their emission rates & pollution loads from various sources along with spatial and temporal distribution in the city including its air shed covered under this project.
- To profile the source emission characteristics of different possible sources.
- To conduct source apportionment studies for PM10 and PM2.5 and prioritize the source categories for evolving cost-effective air pollution mitigation strategies/plans.
- To assess the impact of sources on ambient air quality under different management/interventions/control options and draw a roadmap of short term and

long term measures as considered appropriate and cost effective to ensure “Cleaner air in urban areas”.

B.2 Scope of the Work

The proposed study is being executed under Comprehensive Action Plan for Clean Air for Cities of Dehradun, Rishikesh and Kashipur in Uttarakhand. Since, implementation of same interventions in two cities having different meteorology, topography and different typology of air polluting sources is unlikely to give same results, the choice of interventions to control urban air pollution has to be city- specific, drawn on the basis of scientific study with adequate & representative set of quality data/information.

The scope of the study shall focus on following:

- The overall project scope includes city-specific air quality monitoring, complete characterization of ambient dust (PM10 and PM2.5), emission inventory, source profiling, source apportionment using dispersion & chemical mass balance models.
- To address all the expected anthropogenic emission sources in urban areas, it is planned to include many non-criteria pollutants in the study for understanding the extent of problem and comparison with earlier database. The major air pollutants covered in this project include SO₂, NO_x, CO, Benzene, Aldehydes, Alkenes, NMHC, THC, PAH, PM10, PM 2.5.
- The ambient air monitoring will be carried out over a period covering all three seasons in a year to get representative data on seasonal variations in meteorology as well as activities that have bearing on air quality. The purpose of ambient air quality monitoring is not compliance verification. Therefore, it is proposed to carry out continuous monitoring for one month in each season for three seasons covering the whole year at all the monitoring locations.
- Air monitoring stations will be installed at locations such as kerbside, residential, industrial and background (away from all the sources and in upwind direction). Each city will have at least five to seven air monitoring stations. However, the number of monitoring stations can be extended to more depending upon the activity profile of a particular city.
- In order to catch the diurnal variations of sources as well as the typical meteorological changes, it is proposed to conduct 8-hourly monitoring (06.00 to 14.00s, 14.00-22.00, 22.00-06.00 hrs.) in a day. The sampling shall be done continuously for 30 days in a season. Thus, for three seasons there would be 90 sampling days. Thus, total 90 sampling days would cover the all days of week to give a fair representation of three seasons of a year.
- Monitoring of meteorological parameters would be carried out simultaneously at each station at same height of ambient air monitoring to ensure proper representation of the activities of the surrounding area for a given monitoring location. Additional meteorological data for the study period will also be collected

from India Meteorological Department (IMD).

- A detailed emission inventory would be carried out for line, point and area sources. Data on emission inventory, available through secondary sources, will be collected. Besides, primary surveys shall be carried out for identification & spatial distribution of sources and preparation of detailed emission inventory for zone of influence (2km x 2km area) around each ambient air quality monitoring location. City level emission inventory, available through secondary sources, shall be refined based on the data generated through primary surveys carried out within the zone of influence around each monitoring location.
- In order to get a wider cross section of vehicles in-use or on-road and the actual distance traveled by each sample vehicle, inspection & maintenance practices being adopted etc., a systematic survey of vehicle population will be undertaken in the city. Also, special emphasis will be laid on the emissions from vehicles of pre Euro/India 2000 for assessing cost-effective solutions as these represent major segment in total vehicle population.
- Emission factors developed by ARAI for each representative vehicles considering vehicle technology, age, fuel, traffic conditions and prevailing Inspection & Maintenance practices including influence of fuel quality with or without tail pipe treatment, will be used for estimating vehicular emission.
- Emission inventory of industrial and other sources will be prepared through secondary sources. Primary surveys may also be conducted to crosscheck and validate the secondary data.
- With regard to emission factors for point sources, firstly the database available on emission characteristics with Pollution Control Boards and other sources (particularly for small-scale industries) would be scanned. For area sources, certain database generated in a few US-EPA studies (for India, Bangladesh and other countries of the region) would also be reviewed. For other source types, for which information is not available, the factor developed by US-EPA, EU, WHO would be scanned and then their normalization for Indian conditions have to be done.
- The Emission inventory (EI) data will be analyzed using appropriate technique like IPIECA tool, IVE model or other equivalent technique being used by reputed organizations like CARB, US EPA or EPEFE. Source apportionment analysis will
- be carried out for PM10 and PM2.5 using receptor model like CMB model. For this purpose, detailed analysis of PM10 and PM2.5 will be carried out.
- The study on source profiling of various polluting sources in Indian context will be considered to be used as input to CMB model for source apportionment study.
- With regard to dispersion modeling and intervention analysis, refined city-level emission inventory will be used.
- On completion of data collection, validation and interpretation of the assimilated information, a detailed road map will be drawn considering all possible measures for air quality improvement. These measures will be classified into short and long term with due priority to low cost measures that give maximum benefits.

B.3 Study Area details

The study area shall be the city/ municipal limit of respective city and including its air shed.

B.4 Expected deliverables of the assignment

Each assignment shall be for a period of 18 months and the delivery schedule shall be as follows:-

Interim Report after completing field visits and monitoring of environmental parameters- 15 months

Draft final report - 17 months

Final report after incorporating modifications suggested by the Board - 18 months

C Expression of Interest (EOI)

C.1 Pre-qualification criteria

- Educational or research institute like IIT, NIT or CSIR laboratory or any other similar institutions recognized by Govt. of Uttarakhand / Govt of India.
- The institution must have similar type of experience in conducting Source Apportionment & Emission Inventory (SA & EI) or other such Air Pollution Control related and metrological studies.
- The institution should have capacity to undertake all type of measurement on atmospheric phenomena, Climate and weather monitoring facility survey of area, modelling studies and other related measurement towards execution of the project.
- The institutions should have qualified & experienced Environmental Engineers/ Meteorologists/ Atmospheric Experts, Surveyor etc. to conduct the field work as well as preparation of SA & EI. The educational qualification of functional experts, area of specialization and technical skill, experience and expertise in relevant field will be criteria for selection of institution.

Reputed educational and/or research institutions (hereinafter referred as institution) complying to all the below eligibility criteria shall be eligible.



C.2. Essential Criteria:

a) Registration/Affiliation/Recognition:

Educational institution registered under a competent statutory authority in India duly affiliated to a University/Institute under the University Grants Commission/AICTE respectively.

OR

In case of a research institution, it must be a government/semi-government/autonomous body registered under a statutory authority in India and engaged in research activities related to environmental management, medical sciences, health sciences or any other relevant field/specialty.

NOTE:

The institution must be an individual entity. Consortium/joint-ventures shall not be permitted. However, proposal comprising of more than one Department/Streams of an Institution are permitted.

b) Specialization (Department/Stream):

In case of educational institution, it shall have **minimum one** of the following Departments (diploma, graduation OR post-graduation):

- i. Engineering: Environmental /Chemical
- ii. Science: Environmental Science / Bio Sciences Chemistry /Physics

NOTE:

In case of an Institute other than an educational institution, the criteria (b) is not applicable.

c) Staff and Personnel:

The institution must have adequate scientific and technical staff and student strength to undertake the assignment. Besides, the following criteria needs to be complied with and the same shall be furnished in the format enclosed in **Form-6** and **Form-7**.

No.	Particulars	No. of Personnel	Qualification	Experience
1.	Project Head	01	Doctorate in any of the specialization specified above	Minimum 10 years
2.	Project Coordinator	05 (minimum)	Master's Degree in any of the specialization specified above	Minimum 5 years

NOTE:

The minimum experience should be in relevant field as specified in **Clause C.2.B**



C.3. Preferable Criteria:

a) Projects executed in relevant field:

The institution must have executed **minimum two** projects in relevant specialization of streams specified in **Clause C.2.b** above. Ongoing projects shall be considered. Details of the same to be furnished in **Form-8**.

NOTE:

Individual PhD or Master's Degree thesis of faculty/student shall not be considered for evaluation.

C.4. Selection Method:

Expression of Interest (EOI)

1. The Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) invites Expression of Interest from reputed educational &/or research institutions for the SA and EI for any one or more Towns as per the convenience and choice of the bidder.
2. Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) shall shortlist only those institutions who fulfill the "essential" pre-qualification criteria specified in **Clause C.1**.
3. Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) shall shortlist the institutions, based on evaluation of the Expression of Interests submitted by them for further selection.

C.5. Instructions to Institutions

C.5.1. Authorized Signatory

- The 'Applicant' mentioned in the EOI document shall mean the one who has signed the EOI document forms. The applicant should be the duly Authorized Representative, for which a certificate of authority as per the format prescribed in **Form-3** duly authorized by the Head of the Organization should be submitted. All certificates and documents (including any clarifications sought and any subsequent correspondence) received hereby, shall, as far as possible, be furnished and signed by the Authorized Representative.
- Every sheet and all forms complete in all respects shall be signed by the person/ persons duly authorized to sign on behalf of the applicants with affixing the applicant's rubber stamp. Any/all corrections made in the offer shall be duly authenticated by the signature of the Authorized Signatory.

C.5.2. Documents to accompany EOI

The applications shall be complete with the following documents:

- Form-1: Covering Letter to the EoI
- Form-2: Form of Particulars
- Form-3: Declaration of Authorized Signatory and Power of Attorney
- Form-4: Affidavit or Self declaration
- Form-5: Details of existing Departments/streams as per the pre-qualification criteria



- Form-6: Details of scientific and technical core staff as per pre-qualification criteria
- Form-7: CV
- Form-8: Details of projects/studies conducted by the Institution as per pre-qualification criteria
- Letter/certificate of registration/incorporation
- Letter/certificate of affiliation to a University
- Copy of the EOI Document along with corrigendum, if any, duly signed at all pages.
- **Form-9: Financial Proposal in sealed Separate envelope superscripted as Source Apportionment And Emission Inventory Study On The Levels And Sources Of Pollution In Dehradun, Rishikesh And Kashipur Uttarakhand**

NOTE:

- Non-submission of any one or more of the above documents including incomplete, false or misleading information shall result in disqualification.
- The applicant shall not change any details in the forms and formats of this EOI and shall strictly adhere to them.

C.5.3. Queries in EOI Document:

In case of any queries in the EOI document, a **pre-bid meeting** has been scheduled on **20.01.2020 11:00 AM at Meeting Room, UEPPCB**. Representatives of applicant institution may attend the meeting to resolve any query regarding the EOI document.

In case the representatives of applicant institution are unable to attend the meeting, they may send their queries via e-mail latest by 20.01.2020 , **9:30 AM** ankurkansal.ueppcbn@uk.gov.in keeping the title of the EOI as subject of the e-mail. The entire proceedings of the pre-bid meeting including clarifications, changes, modifications etc. will be minutized and uploaded on UEPPCB's website www.ueppcb.uk.gov.in and will be sent through e-mail only to those institutions whose representatives attended the pre-bid meeting and to the institutions who sent their queries via e-mail.

C.5.4. Submission of EoI

All the documents as specified in **Clause C.5.2** above shall be arranged in the sequence as specified above and shall be submitted in hard-bound manner and not in the form of loose sheets. The EoI documents shall be submitted in a sealed envelope only through registered post /speed post/ courier/ hand-delivery at the below mentioned office address latest by 05.02.2020 at 12:00 Noon

Member Secretary,

Uttarakhand Environment Protection & Pollution Control Board (UEPPCB)

(An Autonomous body of Government of Uttarakhand)

46 B IT Park, Sahastradhara Road, Dehradun, Uttarakhand.

The envelope should bear the title **“Expression of Interest (EoI) for the District-wise Inventorization of Bio-medical Waste”** on top.

The submission of all documents including correspondences should be in “English” language only.

NOTE:

- Submission of EOI through e-mail is not permitted. EOIs received through e-mail shall be straightaway rejected.
- EOI received beyond the due date and time of submission (or any extension thereof) shall be straightaway rejected.



C.5.5. Preliminary examination for the EOI

- UEPPCB shall examine the EOI to determine whether they are complete, whether the documents have been signed as indicated in this document, whether all Forms as asked have been filled in properly, whether applications are generally in order and all information as indicated under various clauses have been furnished.
- UEPPCBI reserves the right to waive minor deviations in the EOI if they do not materially affect the capability of the applicant institution to perform the assignment.

C.5.6. Evaluation

- The procedure of evaluation of the applications is indicated below:
- UEPPCB has specified the pre-qualification Criteria in the EOI document with minimum qualifying requirement for each of the criteria i.e. registration/recognition, desired departments/streams, minimum years of experience etc.
- 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 institution based on the weightage assigned to each of the criteria in EOI. The weight age criteria will be followed as per following Table.

The scoring criteria

The scoring criteria	SI No	Sub Criteria	Marks	Total Marks
Past Experience of the Institute	1.	Past experience of studies of similar nature	36 (Upto 05 yrs studies = 12) (06 to 10 yrs studies =24) (More than 10 studies=36)	
	2.	Sector Past experience of studies in related sector	18 (Upto 05 yrs studies = 6) (06 to 10 yrs studies =12) (More than 10 studies =18)	
	3.	Studies Carried outside India	06	
	Total			
Experience of Key Personnel	1.	Qualification	07	
	2.	Relevant Experience	18	
	Total			
Facility available for conducting such studies	1.	Rating of the educational and research institution	15	
	Total			
Grand Total Marks				100

- The assignment of marks within each criteria and final qualifying marks will be decided by the Evaluation Committee
- Financial Bid of the shortlisted educational and research institutions for will be opened.
- 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 UEPPCB reserves the right to reject any or all EoIs without assigning any reasons thereof.

C.5.7. Presentation

As a part of Evaluation of Expression of Interests submitted by the applicants, UEPPCB may seek further information or a presentation from the Institution at a short notice for evaluation purposes.

C.5.8. Rejection of EOI

The EOI is liable to be rejected if:

- The application is not received as per the conditions specified
- Not in prescribed forms and not containing all required details.
- Not properly sealed and signed as per requirements.
- Received after the expiry of due date and time.
- Deliberately gives incorrect or misleading information in their EOI or wrongfully creates circumstances for the acceptance of the EOI. Member Secretary, UEPPCB reserves the right to reject such a bid at any stage.
- Any breach of any condition mentioned in this document.

C.5.9. Disclaimer

- UEPPCB shall not be responsible for any late receipt of EOIs for any reasons whatsoever. The applications received late will not be considered and returned unopened to the applicant.
- UEPPCB reserves all the right to annul/reject the EOI at any stage of the procedure
- UEPPCB may reject any/all applications without assigning any reasons thereof.
- UEPPCB may relax or waive any of the conditions stipulated in this document as deemed necessary in the best interest of the Institute without assigning any reasons thereof.
- UEPPCB may include any other item in the Scope of work at any time after consultation with applicants or otherwise.

C.5.9. Project Timeline

Interim Report after completing field visits and monitoring of environmental parameters-

15 months

Draft final report - 17 months

Final report after incorporating modifications suggested by the Board - 18 months



The above timeline shall be strictly adhered to in all cases and thus the resources may be deployed accordingly.

C.5.11. Amendments in EOI

- At any time prior to the deadline for submission of EOI, UEPPCB may, for any reason, whether at its own initiative or in response to clarifications requested by an Applicant, modify the EOI document by the issuance of Addendum/ Amendment and posting it on the Official Website.
- The amendments will be posted on the Official Website along with the revised EOI containing the amendments and will be binding on all Applicants.
- In order to afford the Applicants a reasonable time for taking an amendment into account, or for any other reason, the Authority may, in its sole discretion, extend the last date of submission.

C.5.12. Data Security and Data Validation:

- The Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) shall have absolute and sole right on the data and output thus generated/collected in the process of the entire Project. The institution shall be responsible for security and safe custody of data and documents. In no way the information/ data/ documents shall be used/ copied/ duplicated/ published/ supplied whole or in part during and after completion of the Project without prior written permission from the Member Secretary, UEPPCB.
- The filled up questionnaire should be duly signed by the competent authority of the HCF being surveyed. Unsigned questionnaire will not be accepted.
- The cross-verification of the data filled in the questionnaire would be done by UEPPCB.
- In case of submission of false/incorrect data, delay or non-completion of work in prescribed time or any other case of non-compliance or discrepancy, the Member Secretary, UEPPCB reserves the right to charge appropriate penalty or take any action which Member Secretary, UEPPCB deems fit and suitable including permanent debarment from carrying out such works in future or blacklisting the institution. In such a case, the institution shall make no financial claim and shall remain bound to deliver satisfactory work in stipulated time duration.

C.5.13. Confidentiality:

The data will be the ownership of UEPPCB, hence, any information pertaining to this Project shall be deemed to be confidential and the institution shall be fully responsible, for the same being kept confidential and help in trust, as also for all consequences of its concerned personnel failing to observe the same.

C.5.14. Force Majeure:

In case of delay in timely execution of the assignment caused by factors beyond the control of the institution, such as war, riot, earthquake, flood, fire or other natural disasters, restrictions imposed by the Government or other statutory bodies, the institution shall advise the Member Secretary, UEPPCB in writing at the beginning and the end of the above causes of delay, within seven days of occurrence and cessation of the force majeure conditions.

C.5.15. Agreement of Performance:

The Institution to which the work would be allotted shall execute an “Agreement of Performance” with UEPPCB as per a prescribed format on a stamp paper of value not less than Rs. 100/-

C.5.16. Termination of Assignment:



In the event the institution fails to carry out the assignment in terms of this document or the work order within the stipulated period or any extension thereof, as may be allowed by the Member Secretary, UEPPCB without any valid reasons acceptable to the Member Secretary, UEPCB, the Member Secretary, UEPPCB may terminate the assignment after giving seven days' notice. The Member Secretary, UEPPCB may give the institution a chance to put forth the reasons for delay/non-performance before deciding on the matter.

C.5.17. Completion of Assignment:

The assignment would be considered complete and completion certificate would be issued to the institution upon:

- a) Receipt of Final Report, complete in all aspects to the satisfaction of Member Secretary, UEPPCB.
- b) Payment of all dues against the services offered subject to fulfillment of the terms and conditions of this order.
- c) Settlement of all issues between both the parties to the satisfaction of Member Secretary, UEPPCB.

C.5.18. Scope not Exhaustive

The Scope of work specified in this **EOI** are not exhaustive and the institution shall undertake such other tasks as may be necessary to execute the satisfactory completion of the assignment as per the requirements of UEPPCB.

C.5.19. General Terms and Conditions:

- For all matters pertaining to this Project, the decision of Member Secretary, UEPPCB shall be final and binding on both the parties.
- For all legal matters, Dehradun shall be the jurisdiction.
- The Institution should not anywhere in the EOI quote or mention the rates/charges. This would lead to disqualification.
- The Member Secretary, UEPPCB reserves the right to cancel this EOI any time during the period of assignment and is not liable to furnish any reasons or give any notice/intimation in advance.
- UEPPCB reserves the right to review/revise/update the survey questionnaire (**Appendix-1**) or the format of report or modify the scope or any other condition in the assignment before allotment of the work.

C.5.20. Financial Proposal

The EOI shall be accompanied with the Financial proposal as per form—9 in a separate sealed envelope superscripted as “Financial Proposal”

Sub-contracting of any kind of work, by any means shall not be permitted in any case.



Form-1: Covering Letter to the EoI
(To be printed on the institution's letter head)

Ref. No.

Date:

To,

The Member Secretary,
Uttarakhand Environment Protection & Pollution Control Board(UEPPCB)
46 B IT Park, Sahastradhara Road, Dehradun,
Uttarakhand.

Subject: SUBMISSION OF EOI FOR SOURCE APPORTIONMENT AND EMISSION INVENTORY STUDY ON THE LEVELS AND SOURCES OF POLLUTION IN DEHRADUN, RISHIKESH AND KASHIPUR UTTARAKHAND

Sir,

Having examined the completeness of EoI document, studied all the clauses of the same I/we, the undersigned expresses its interest to undertake the said assignment for carrying out of the above subjected works in conformity with the work order being awarded up to the stage of completion of works.

(name of the institution) hereby submits the "Expression of Interest" for consideration of our institution for undertaking the work subjected above. The submission, duly signed and stamped at all pages, comprises, separately of:

1. Form-2: Form of Particulars
2. Form-3: Declaration of Authorized Signatory and Power of Attorney
3. Form-4: Affidavit or Self declaration
4. Form-5: Details of existing Departments/streams as per the pre-qualification criteria
5. Form-6: Details of scientific and technical core staff as per pre-qualification criteria
6. Form-7: Format of CV of staff proposed
7. Form-8: Details of projects/studies conducted by the Institution as per pre-qualification criteria
8. Letter/certificate of registration/incorporation
9. Letter/certificate of affiliation to a University
10. Copy of the EoI Document along with corrigendum, if any, duly signed at all pages.

We have not made any tampering or changes in the EoI documents and if any tampering or changes are detected at any stage, we understand the EoI will invite summary rejection / the contract will be liable to be terminated, even if work order has been issued.

I/We understand that, the Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) is not bound to accept any EoI that the Institute may receive.

I/We hereby declare that my/our EOI is made in good faith and the information contained is true and correct to the best of my/our knowledge and belief.

Thanking You.

Yours faithfully,

Signature of Authorized Signatory

Name:

Designation:

Seal of Institution:



Form-2: Form of Particulars

Fill in the information as required in the form below (all fields are mandatory)

Name of the Educational/Research Institution		
Date of Registration/Incorporation/ Establishment of the Institution		
Address of Communication		
Letter/certificate of Registration/Incorporation / (attach separately)		
Letter/certificate of affiliation to a University (attach separately)		
Phone:		
E-mail:		
Name of Department(s) handling the project		
Mobile No.		
Cities Selected for SA and EI Study (Please Tick)		
Dehradun, Rishikesh, Kashipur		

I hereby declare that the above information is true to the best of my knowledge and I am authorized by the institution to fill up and submit on its behalf.

Authorized Signatory

Institution seal

Name and Designation:



Form-3: Declaration of Authorized Signatory and Power of Attorney

(To be printed on the institution's letter head)

Ref. No.

Date:

To,

The Member Secretary,
Uttarakhand Environment Protection & Pollution Control Board(UEPPCB)
46 B IT Park, Sahastradhara Road, Dehradun,
Uttarakhand.

Subject: Declaration of Authorized Signatory for the Submission of EoI for Source Apportionment And Emission Inventory Study On The Levels And Sources Of Pollution In Dehradun, Rishikesh And Kashipur Uttarakhand

Know all men by these presents, We, **(name of the institution)** do hereby constitute, nominate, appoint and authorize _____ and presently residing at _____ who is presently employed with/retained by us and holding the position of _____ as our true and lawful attorney (hereinafter referred to as the "Authorised Signatory") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Expression of Interest for "**District-wise Inventorization of Bio-medical Waste in Uttarakhand**" and proposed to be executed by the Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) (the "**Authority**") including but not limited to signing and submission of all applications, proposals and other documents and writings, participating in meetings and other conferences and providing information/responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts and undertakings consequent to acceptance of our EOI and proposal and generally dealing with the Authority in all matters in connection with or relating to or arising out of our proposal for the said Project and/or upon award thereof to us till the entering into of the Agreement with the Authority.

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Authorized Signatory pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Authorized Signatory in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, **(name of the institution)** THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS ___ DAY OF _____ (month), 2019

For **(name of the institution)**.

Signature and seal of Head of the Organization

Witnesses:

1) _____

2) _____



Form-4: Affidavit or Self declaration

Ref : Call for Expressions of Interest for “Source Apportionment And Emission Inventory Study On The Levels And Sources Of Pollution In Dehradun, Rishikesh And Kashipur Uttarakhand

1. I/We declare that our institution has not been banned/de-listed/debarred/ blacklisted by any Authority/Agency in India.
2. I/We also agree to abide by the highest ethical standards in the profession and, in particular, have no potential conflict of interest;
3. I/We will inform the Authority immediately if there is any change in the above circumstances at any stage during the EOI/RFP procedure or during the implementation of the project;
4. I/We fully recognize and accept that any inaccurate or incomplete information deliberately provided in this tender may result in my/our exclusion from this or other assignments/projects funded by the Authority.
5. In response to your call for expression of interest, I/We hereby declare that I/We, am/are not in any of the situations that debars me/us from participation in the EOI.

Signature of Authorized Signatory
Institution seal



Form-5: Details of existing Departments/streams as per the pre-qualification criteria

Specify the details of the Departments in the institution only as per the eligibility criteria of the EoI.

Sr. No.	Name of Department	Qualification	Total no. of faculties	Total no. of students	Whether aspects related to biomedical waste management are included in course curriculum? (Yes/No) If yes, attach copy of curriculum/ syllabus

Signature of Authorized Signatory
Institution seal



Form-6: Details of scientific and technical core staff as per pre-qualification criteria

Specify the details of the existing scientific and technical core staff

i. Project Head (One)

S.No.	Name	Designation	Qualification	Experience

ii. Project Coordinators (Minimum Five)

S.No.	Name	Designation	Qualification	Experience

Signature of Authorized Signatory
Institution seal

Form-7: Format of CV
(enclose CVs of all personnel proposed in Form-6)

Proposed position for the assignment: (Tick whichever applicable)	Project Head/Project Coordinator
Name:	
Current Designation at the Institution:	
Department/Stream:	
Date of Birth:	
Residential Address:	
Mobile No.	
E-mail ID:	
Educational Qualification: (The years in which various qualifications were obtained must be stated)	
Trainings attended:	
Language Proficiency: (Indicate proficiency in speaking, reading and writing of each language by excellent, good, fair or poor)	
Proficiency in basic computer skills like MS-Office and other basic functions (Indicate proficiency by excellent, good, fair or poor)	
Membership in Professional Bodies:	
Employment Record: (Starting with present position; specify duration of employment, employer, designation and major duties performed)	
Publications:	
Description of Duties: (Describe the works undertaken in past that best illustrate or relates your capability to handle this assignment. In this column, list project name, location, year, position held and exact duties rendered and time spent on each project)	

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes my qualifications, my experience, and myself. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature

Date



Form-8: Details of projects/studies conducted by the Institution as per pre-qualification criteria

Project Name:			
Project Location within Country :			
Name of Client:			
Start Date (Month/Year):	Completion (Month/Year):	Date	Approx. Value of Services (optional)
Name of Senior Staff (Principal Investigator/Coordinator/ Research Associate etc.) involved and functions performed:			
Detailed Narrative Description of Project:			
Detailed Description of Actual Services provided:			

NOTE:

Please also note that the copies of sanction letters/work orders and satisfactory completion certificate from the funding agency/client shall be required to be submitted for all the references mentioned above.

Signature of Authorized Signatory
Institution seal



**Form-9: Financial Proposal to carry Out Source Apportionment And
Emission Inventory Study On The Levels And Sources Of Pollution In
Dehradun, Rishikesh And Kashipur Uttarakhand**

**“To be kept in a separate sealed envelope superscripted as
“Financial Proposal”**

The Financial Proposal should be submitted either for one District or more than One District in the following Table:-

S. No.	Name of District for which Inventory of Bio Medical Waste is to be carried out	Financial Proposal in Indian Rupees
1	Dehradun	
2	Rishikesh	
3	Kashipur	
	Taxes	
	Total	
	In Words--	