



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-2577870-73 E-mail: hspcbhrsscientist@gmail.com

No. HSPCB/Aircell/2019/

Dated:

INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR STUDY ON SOURCE IDENTIFICATION AND MITIGATION ACTIONS FOR NOISE POLLUTION USING NOISE MAPPING IN GURUGRAM AND FARIDABAD IN HARYANA

1. The Haryana State Pollution Control Board (HSPCB) intends to engage educational and research institutions of National and International repute, to carry out a study on Source identification and mitigation actions for Noise Pollution Using Noise mapping and prediction techniques and prepare strategy for cost effective measures for abatement of noise pollution in the areas of Gurugram and Faridabad. The study will be for a period of one year.
2. The Board proposes to conduct the above study through reputed educational and research institutions / 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 identification and mitigation actions for noise pollution using noise mapping in Gurugram and Faridabad in Haryana prescribing cost effective measures for abatement of noise pollution in the above area from such institution are hereby invited.
3. The interested institutions 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.hspcb.gov.in.)**
4. The duly filled Eoi, supported with relevant documents, must reach the office of Member Secretary, State Pollution Control Board, Haryana, C-11, Sector-6, Panchkula on or before 10.12.2019, 03:00 PM. The envelope must be clearly superscripted as "EXPRESSION OF INTEREST FOR STUDY ON SOURCE IDENTIFICATION AND MITIGATION ACTIONS FOR NOISE POLLUTION USING NOISE MAPPING"
5. The Eoi can be submitted through Registered Post / Speed Post. The HSPCB shall not be held responsible for any postal delay for non-receipt of Eoi within scheduled date and time.
6. Interested institutions are advised to visit the web site before submission of Eoi. Once Eoi received, it will be presumed that the institute is well aware of all procedure prescribed by the Board as indicated in the site.
7. The HSPCB reserves the right to reject any or all Eois without assigning any reasons thereof.

(S. Narayanan)
Member Secretary,
State Pollution Control Board, Haryana

Endst No.HSPCB/Aircell/2019/

dated

A Copy of above is forwarded to the Director General Public Relations and Cultural
Affair Department for publishing in the National leading newspapers widely circulated on or
before 11.11.2019 and will submit bills as per DAVP Rates.

Senior Scientist,
For Member Secretary

Endst No.HSPCB/Aircell/2019/2637

dated 06-11-2019

A Copy of above is forwarded to the following for kind information and necessary
action please:-

1. The Director, Environment and Climate Change department, Haryana,
Chandigarh.
2. All the BIs in head Office and all the Regional Officers in the field.
3. The Nodal Officer IT branch for uploading the notice on website of the Board.
4. PS to Chairman/PA to Member Secretary.

Senior Scientist,
For Member Secretary
6.11.19
5/11/19

FMS
74426

HARYANA STATE POLLUTION CONTROL BOARD

PANCHKULA

EXPRESSION OF INTEREST

HSPCB invites Expression of Interest (EOI) from reputed educational and research Institutions / Organizations recognized by State / Central Government for “**Study on Source identification and mitigation actions for Noise Pollution Using Noise mapping and prediction techniques**” For details please visit <http://www.hspcb.gov.in>. Last date for receipt of EOI is 10.12.2019 by 03.00 P.M.

(S Narayanan)
Member Secretary

**HARYANA STATE POLLUTION CONTROL BOARD
PANCHKULA**

Notice inviting Expression of Interest (EOI) for “Study on Source identification and mitigation actions for Noise Pollution Using Noise mapping and prediction techniques”

1.0 Background

Noise pollution refers to sounds in the environment that are caused by humans and that threaten the health or welfare of human or animal inhabitants.

The most common source of noise pollution by far, the one that affects the most people on the planet, is motor vehicles. Aircraft and industrial machinery are also major sources. Additional noise pollution is contributed by office machines, sirens, power tools, and other equipment. The response of ear to sound is very dependent on the frequency content of the sound. The ear has a peak response around 2.5 – 3 kHz and has a relatively low response at low frequencies.

Noise health effects are both health and behavioral in nature. The unwanted sound is called noise. This unwanted sound can damage physiological and psychological health. Noise pollution can cause annoyance and aggression, hypertension, high stress levels, tinnitus, hearing loss, sleep disturbances, and other harmful effects. Furthermore, stress and hypertension are the leading causes to health problems, whereas tinnitus can lead to forgetfulness, severe depression and at times panic attacks.

In order to develop the management strategies or action plans for major cities and towns this kind of study has been a long desired felt. HSPCB felt to take up the study on “**Source identification and mitigation actions for Noise Pollution Using Noise mapping and prediction techniques**” for compliance of Noise Pollution (Regulation and Control) Rules, 2000.

The Chairman, CPCB vide letter no. A-14011/1/2015-MON/3682 dated 21.06.2019 has issued directions under section 18 (1) B of the Air (Prevention and Control of Pollution) Act, 1981 **regarding Noise Mapping, Identifying Hot Spots and Mitigation Plan for control of Noise Pollution.**

2.0 OBJECTIVES AND SCOPE OF WORK

In order to address “**Study on Source identification and mitigation actions for Noise Pollution Using Noise mapping and prediction techniques**”, imperative pre-requisite and following steps under scope of services are proposed:

1. Identification and quantification of sources of noise pollution in 02 cities i.e. Gurugram and Faridabad.
2. Mitigation measures to be suggested for reducing noise pollution in identified locations.
3. Mapping and modeling software to be used for visualization of data on impact area.
4. Noise maps to be used for communicating the noise situation to stakeholders, inform areas of planning such as construction, traffic & transport and to build a common understanding within the community.
5. Software for mapping and prediction to be delivered with proper training to officials of CPCB for infrastructure development.
6. Report submission indicating Source identification, quantification and mitigation measures.

3.0 SCHEDULE FOR COMPLETION OF TASKS

A maximum of one year time is allotted for the submission of draft report and one month for submission of Final report after getting comments from CPCB on draft report.

4.0 SUPPORT OR INPUTS TO BE PROVIDED BY CPCB

Authorization letter will be issued in favour of institute/ organization for collection of data, in-depth study.

5.0 FINAL OUTPUTS WILL BE REQUIRED

Comprehensive report on each city shall be prepared separately and a consolidated summary of each zone will be compiled as a separate compendium.

The final report will be accepted by the Central Board after presentation at HSPCB, C-11, Sector-6, Panchkula.

6.0 ELIGIBILITY CRITERIA

The educational and Research Institutions / Organization recognized by State / Central Government should fulfill the following criteria:

- a) Knowledge/Experience in the same field
- b) Adequate manpower having expertise in the same field/ 5 years or more experience in the field

Forms for description of approach, methodology and workplan for performing the assignment, Team Composition and Task Assignment and Curriculum Vitae (CV) for proposed professional staff is attached at Annexure-I.

7.0 ROLE OF HSPCB

- f All relevant data available with CPCB shall be shared with the Consultant. To collect the data from other sources, letters to concerned authorities will be given by CPCB.
- f HSPCB will extend logistical support to consultant for conducting workshops.

7.1 PROJECT MONITORING BY HSPCB

A review Committee consisting of representatives from concerned fields constituted by HSPCB will monitor the project progress and outputs.

8.0 SUBMISSION OF EOI

Interested agencies including Reputed Institute/ CSIR Labs/ Academic Institutes and other reputed organizations as per the eligibility criteria prescribed at para 6 of this documents may submit EOI in a sealed envelope by speed-post clearly super-scribed EOI for “**Study on Source identification and mitigation actions for Noise Pollution Using Noise mapping and prediction techniques**” to the Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula by 10.12.2019 by 03.00 P.M in hard copy and a CD containing the following information:

- a) type of organization
- b) areas of strength/ specialization relevant to the scope of work and objectives
- c) previous relevant experience
- d) details of key staff to be entrusted for the assignment, together with their curriculum vitae
- e) undertaking of the scope of work, objective, short approach and comments

9.0 Late submission or submissions that do not conform to the above requirements will not be considered.

10.0 Based on the response received, suitable institute/ organization will be short-listed and the TOR document will be sent for submission of Technical and Financial Proposal.

FORM TECH-1 TEAM COMPOSITION AND TASK ASSIGNMENTS

<i>1. Professional Staff</i>				
Name of Staff	Firm	Area of Expertise	Position Assigned	Task Assigned

2. Support Staff

Name of Staff	Firm	Area of Expertise	Position Assigned	Task Assigned

FORM TECH-2 CURRICULUM VITAE (CV) FOR PROPOSED PROFESSIONAL STAFF

1. Proposed Position [*only one candidate shall be nominated for each position*]: _____

2. Name of Firm [*Insert name of firm proposing the staff*]: _____

3. Name of Staff [*Insert full name*]: _____

4. Date of Birth: _____ **Nationality:** _____

5. Education [*Indicate college/university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates of obtainment*]: _____

6. Membership of Professional Associations: _____

7. Other Training [*Indicate significant training since degrees under 5 - Education were obtained*]: _____

8. Countries of Work Experience: *[List countries where staff has worked in the last ten years]:* _____

9. Languages *[For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing]:* _____

10. Employment Record *[Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment (see format here below): dates of employment, name of employing organization, positions held.]:*

From [Year]: _____ To [Year]: _____

Employer: _____

Positions held: _____

<p>11.</p> <p><i>[List all tasks to be performed under this assignment]</i></p>	<p>Detailed Tasks Assigned</p> <p>12. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned</p> <p><i>[Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks listed under point 11.]</i></p> <p>Name of assignment or project: _____</p> <p>Year: _____</p> <p>Location: _____</p> <p>Client: _____</p> <p>Main project features: _____</p> <p>Positions held: _____</p> <p>Activities performed: _____</p>
----------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

13. Certification:

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

_____ Date: _____

[Signature of staff member or authorized representative of the staff]

Day/Month/Year

Full name of authorized representative: _____

FORM TECH-3 STAFFING SCHEDULE¹

N ^o	Name of Staff	Staff input (in the form of a bar chart) ²													Total staff-month input		
		1	2	3	4	5	6	7	8	9	10	11	12	n	Home	Field ³	Total
Foreign																	
1		[Home]															
		[Field]															
2																	
3																	
n																	
Subtotal																	
Local																	
1		[Home]															
		[Field]															

N°	Name of Staff	Staff input (in the form of a bar chart) ²													Total staff-month input		
		1	2	3	4	5	6	7	8	9	10	11	12	n	Home	Field ³	Total
2																	
n																	
										Subtotal							
										Total							

- 1 For Professional Staff the input should be indicated individually; for Support Staff it should be indicated by category (e.g.: draftsmen, clerical staff, etc.).
- 2 Months are counted from the start of the assignment. For each staff indicate separately staff input for home and field work.
- 3 Field work means work carried out at a place other than the Consultant's home office.

 Full time input

 Part time input

FORM TECH-4 WORK SCHEDULE

N°	Activity ¹	Months ²												
		1	2	3	4	5	6	7	8	9	10	11	12	n
1														
2														
3														
4														
5														

N°	Activity ¹	Months ²												
		1	2	3	4	5	6	7	8	9	10	11	12	n
N														

- 1 Indicate all main activities of the assignment, including delivery of reports (e.g.: inception, interim, and final reports), and other benchmarks such as Client approvals. For phased assignments indicate activities, delivery of reports, and benchmarks separately for each phase.
- 2 Duration of activities shall be indicated in the form of a bar chart.

