



NOTICE INVITING E-TENDER

FOR

SELECTION OF CONTRACTOR FOR “Pollution Measurement & Control Work” at Panagarh Industrial Park, Panagarh, Paschim Bardhaman.

January – 2024

E RFP Reference No. : **WBIDC/PIP/PMCW/23-24/01**
E Tender Id : 2024_WBIDC_657909_1
Proposal Issue Date : **01-02-2024**
Last Submission Date : **27-02-2024**

WEST BENGAL INDUSTRIAL DEVELOPMENT CORPORATION LTD.

(A Government of West Bengal Undertaking)

PROTITI, 23 ABANINDRANATH TAGORE SARANI

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Notice Inviting e-Tender for selection of Contractor for “Pollution Measurement & Control Work” at Panagarh Industrial Park, Panagarh, Paschim Bardhaman.

DISCLAIMER

The information contained in this Notice Inviting e-Tender (NIeT) document or subsequently provided to Bidder(s), whether verbally or in documentary form by or on behalf of West Bengal Industrial Development Corporation Limited (WBIDC), is provided to Bidder(s) on the terms and conditions set out in this NIeT document and any other terms and conditions subject to which such information is provided. This NIeT document is not an agreement and is neither an offer nor invitation to any other party. The purpose of this NIeT document is to provide interested Bidder(s) with information that may be useful to them to prepare their proposal including financial offers (the “Bid”) pursuant to this NIeT Document. This specification includes statements, which reflect various assumptions; assessments arrived at by WBIDC in relation to the project. Such assumptions, assessments and statements do not purport to contain all the information each Bidder(s) may require. This NIeT document may not be appropriate for all persons, and it is not possible for WBIDC and their employees or advisors to consider the investment objectives, financial situation and particular needs of each Bidder(s) who reads or uses the NIeT document. The assumptions, assessments, statements and information contained in this NIeT document, may not be complete, accurate, adequate or correct. Each Bidder(s) should, therefore, conduct its own investigations and analysis, and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information in this NIeT document and obtain independent advice from appropriate sources. Information provided in this NIeT document to the Bidder(s) is on a wide range of matters, some of which depends upon interpretation of law. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. WBIDC, its employees, advisors and technical Contractort/s accepts no responsibility for the accuracy or otherwise for any interpretation or opinion of law expressed herein. WBIDC and their employees, advisors and technical Contractort/s make no representation or warranty and shall incur no liability under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this NIeT document or otherwise, including the accuracy, adequacy, correctness, reliability of completeness of the NIeT document and assessment, assumption, statement or information contained therein or deemed to form part of this NIeT document or arising in any way in this Bid stage. WBIDC, its employees, advisors and technical Contractort/s also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder(s) upon the statements contained in the NIeT document. WBIDC may at their absolute discretion, but without being under any obligation to do, so update, amend or supplement the information, assessment or assumptions contained in this NIeT document.

The issue of this NIeT document does not imply that WBIDC is bound to select a Bidder(s) or to appoint the preferred Bidder(s) for the project and WBIDC reserves the right to reject all or any of the Bidder(s) or Bid without assigning any reason. The Bidder(s) shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by WBIDC or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder(s) and WBIDC shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder(s) in preparation or submission of the Bid regardless of the conduct or outcome of the Bidding Process.

TABLE OF CONTENTS

<u>SECTION</u>	<u>DESCRIPTION</u>
Section-1	: List of Important Dates, Press Notice, Notice Inviting e-Tender
Section-2	: Background Information
Section-3	: Instructions to Bidders (ITB)
Section-4	: Qualification Information
Section-5	: General Conditions of Contract
Section-6	: Mode of Selection
Section-7	: Technical Specification
Section-8	: Scope of Work
Section-9	: Different Forms including Form of Bid

SECTION-1

- **LIST OF IMPORTANT DATES**
- **PRESS NOTICE**
- **NOTICE INVITING e-TENDER (NIeT)**

List of Important Dates of Bids

1. Name of work : **Notice Inviting e-Tender for selection of Contractor for "Pollution Measurement & Control Work" at Panagarh Industrial Park, Panagarh, Paschim Bardhaman.**
2. Completion Period : **365 days**
3. Date of issue of Notice Inviting Bid : **01.02.2024 at 05.00 PM**
4. Time and Date of Pre-Bid : **05.02.2024 at 03.00 PM**
5. Venue of Pre-Bid Meeting : **OFFICE OF WEST BENGAL INDUSTRIAL DEVELOPMENT CORPORATION LIMITED (WBIDCL), 23, Abanindranath Tagore Sarani (Camac Street), Kolkata-700 017.**
6. Bid submission start date (On line) : **06.02.2024 at Time: 11-00 hours (as per server clock).**
7. Bid Submission closing (On line) : **27.02.2024 at Time: 11-00 hours (as per server clock).**
8. Time and Date for opening Technical Bid/Bids : **29.02.2024 at Time: 12-00 hours**
9. Date of uploading list for Technically Qualified Bidder(online) : **Will be notified later.**
10. Date of uploading the final list of Technically Qualified Bidder (online) after disposal of appeals, if any. : **Will be notified later.**
11. Date for opening of Financial Proposal (Online) : **Will be notified later.**
12. Bid validity : **120 (One Hundred and Twenty) Days from the last date of bid submission**
13. Earnest Money : **Rs. 10,00,000.00 (Rupees Ten Lakh Only) to be submitted only through online during submission of bid. The scanned copy of the earnest money details must be uploaded at the time of submission of bid to E-Tender. The Bid stand cancelled in it's entirely if the EMD is not provided.**
14. Site Visit : **A site visit by the bidder is necessary to understand the scope of work.**
15. Taxation : **WBIDC shall withheld Tax Deductible at Source (TDS) from the payment in pursuance of provisions of Income Tax Act, 1961 as currently in force and as amended from time to time. GST will be provided as per applicable rate. Rates to mention in the quotation shall be exclusive of the statutory taxes as applicable.**
16. Communication : **The Chairperson and Managing Director, West Bengal Industrial Development Corporation Limited, 23 Abanindranath Tagore Sarani, Kolkata 700017**
17. Contacts : **033-2255-3700**

Notice for Advertisement

E-Tender Reference No.: WBIDC/PIP/PMCW/23-24/01

E Tender ID: 2024_WBIDC_657909_1

West Bengal Industrial Development Corporation (WBIDC) proposes to Notice Inviting e-Tender for selection of Contractor for “Pollution Measurement & Control Work” at Panagarh Industrial Park, Panagarh, Paschim Bardhaman.

Sl. No.	SUBJECT	DESCRIPTION
1.	Place	Panagarh, Paschim Bardhaman.
2.	Name of work	Notice Inviting e-Tender for selection of Contractor for “Pollution Measurement & Control Work” at Panagarh Industrial Park, Panagarh, Paschim Bardhaman
3.	Document download	The total Tender Document can be downloaded from the e-procurement portal https://wbtenders.gov.in/ from 06.02. 2024 at 11:00 Hrs.
4.	Earnest Money Deposit	Rs. 10,00,000.00 (Rupees Ten Lakh Only) to be submitted only through online during submission of bid.
5.	Last date and time for submission of Online Tender	27.02.2024 ; 11:00 hrs

NOTICE INVITING e-TENDER

Sl. No.	SUBJECT	DESCRIPTION
1	Name of work	Notice Inviting e-Tender for selection of Contractor for “Pollution Measurement & Control Work” at Panagarh Industrial Park, Panagarh, Paschim Bardhaman.
2	Location of work	Panagarh, Paschim Bardhaman.
3	Time of completion	365 working days after receiving of Work order. (as specified bid document) .
4	Qualification Criteria	As prescribed in Section-03 in Para -6 (Eligibility Criteria) & Para 7 (Technical Eligibility Criteria), Section-05 & Section-7
5	Availability of Tender Documents	Tender documents will be available <i>w. e. f.</i> 31.01.2024 at 14.00 PM Hrs from the e-procurement portal www.wbtenders.gov.in
6	Site Visit	Bidders are advised to visit the site before submission of bid.
7	Submission of tender	Bidding documents, digitally signed by authorized person of the bidder must be uploaded online from after 06.02.2024 at Time: 11-00 hrs. and must be uploaded on or before 27.02.2024 at Time: 11-00 hours.(as per server clock).
8	Procedure for submission of tender	Bidders are requested to submit their tenders through e-procurement portal https://wbtenders.gov.in/nicgep/app . If required, the bidders may be requested to submit the hard/ original copy of the technical bid at the time of verification of the documents.
9	Date, time and venue of Opening of Technical Bid	29.02.2024 at Time: 12-00 hours (as per server clock). Place: WBIDC Office
10	Date of Opening of Financial Bid	To be notified later
11	Validity of the bid	120 (one hundred twenty) Days from the last date of bid submission.
12	Taxation	Taxes applicable if any in respect of this contract whether in vogue or may be imposed in future shall be payable by the Contractor and WBIDC will not entertain any claim what so ever in this respect. However any benefit due to reduction of taxes etc. may be passed onto WBIDC.

NOTE: Other details can be seen in the bidding document. WBIDC reserves to itself the right to reject any or all the tenders received without assigning any reason thereof.

Section – 2

Background Information

1.1 Background

West Bengal Industrial Development Corporation Limited (WBIDC) is setting up a modern Industrial Park over 1458 acres at Panagarh in Burdwan district. Panagarh-Kanksa belt is a favorable destination for industries due to the availability of industrial infrastructure and climate. The project site is bound by NH 19 (Formerly NH2).

1.2 WBIDC now desires to do the development of Social Infrastructure Work of the land.

1.3 In this connection, WBIDC invites proposals from the resourceful, experienced and reputed organizations for providing the following services:

- A.** Construction of “Pollution Measurement & Control Work” at Panagarh Industrial Park, Panagarh, Paschim Bardhaman.
- B.** DLP Period is of 12 months.

1.4 Amendment of Bidding Documents:

- 1.4.1. At any time before the submission of proposals, WBIDC may, for any reason modify the documents by amendment
- 1.4.2. Before the deadline for submission of bids, WBIDC may modify the bidding documents by uploading the addenda in the website.
- 1.4.3. Any addendum thus uploaded shall be part of the RFP documents

1.5 Earnest

1.6 Money Deposit (EMD)

- a. Each Bidder has to submit an Earnest Money Deposit for an amount of **Rs. 10,00,000.00 (Rupees Ten Lakh Only)** to be submitted only through online during submission of bid.
- b. The scanned copy of the earnest money details must be uploaded at the time of submission of bid to E-Tender. The Bid stands cancelled in it are entirely if the EMD is not provided.
- c. EMD shall be returned to the unsuccessful Bidders within as per norms.
- d. EMD submitted by the Successful Bidder will be discharged when the bidder has signed the agreement and furnished the required Performance Scrutiny.
- e. EMD shall be forfeited in the following cases:
 - 1.
 - 2. If any information or document furnished by the Bidder turns out to be misleading or untrue in any material respect; or fails to submit performance security as mentioned in RFP document.
 - 3. If the successful Bidder fails to execute the Agreement within the stipulated time or any extension thereof provided by WBIDC.
 - 4. If any bidder / tenderer withdraws his bid/ tender before the said period or makes any modifications in the terms and conditions of the bid,

1.7 Pre Bid Meeting

- 1.6.1 A prospective Bidder requiring any clarification on the RFP document may attend pre bid meeting with their queries in writing. A pre-bid meeting is scheduled at 15.00 hrs. On *05.02.2024* in the office of WBIDC, who, may, on its own discretion, forward its responses to all Bidders and would include a description of the enquiry without identifying its source at its sole discretion.
- 1.6.2 Minutes of the meeting, including the text of the questions raised (without identifying the source of the enquiry) and the responses given will be uploaded in the website. Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

1.8 Address of Communication

Mr. Soumitra Sen ADV(P), WBIDC
Phone No. 033-22553838
E-mail: soumitra.sen@wbidc.com

Mr. SK MANIRUL ISLAM, EA (IP)
Phone-+91-33-22553876,
E-mail: skmanirul.islam@wbidc.com

Section - 3

Instructions to Bidders (ITB)

A. General

1. Scope of Bid

- 1.1. The Employer –“Chairperson & Managing Director, West Bengal Industrial Development Corporation Limited invited *“Notice Inviting e-Tender”* for selection of Contractor for **“Pollution Measurement & Control Work”** at **Panagarh Industrial Park, Panagarh, Paschim Bardhaman.**
- 1.2. The successful Bidder will be expected to complete the Works within **365 working days after receiving of Work order.**
- 1.3. The intending tenderers should make them thoroughly acquainted in the prevailing conditions of the site, facilities and difficulties and together information which might influence in making the offers. They should study all the conditions and information included in the tender documents and gets these verified from actual inspection of site and collect additional information as may be necessary by them.
- 1.4. Extra claims or any concession on the ground of insufficient data or information and absence of knowledge of conditions prevailing at situation arising during the execution of the work shall not be entertained
- 1.5. Throughout these documents, the terms “bid” and “tender “and their derivatives (bidder / tenderer, bid/ tender, bidding /tendering, etc.) are synonymous.
- 1.6. The term ENGINEER will mean the authorized representative(s) from the Client who will overlook all the site activities.

2. Source of Funds

- 2.1. The Employer has decided to undertake the work envisaged in the contract and has provided funds for the same.

3. Invitation to Tender

- 3.1. The Tender Inviting Authority reserves the right to reject all the tenders or the lowest or any other tender which in the judgment of Tender Inviting Authority does not appear to be in its best interest, and the tender shall have no cause of action or claim against the Tender Inviting Authority or its officers, employees, successors or assignees for rejection of the tender.
ANY DEVIATION OF TECHNICAL SPECIFICATION AS WELL AS CONDITIONAL TENDER WILL NOT BE ACCEPTED. EVEN TENDER INVITING AUTHORITY WILL HAVE EVERY RIGHT TO CANCEL THE PARTICULAR OFFER AT ANY STAGE EVEN AFTER ISSUANCE OF ACCEPTANCE ORDER.

4. Pre-Bid Meeting

- 4.1. A pre-bid Meeting will be arranged in the office of WBIDC as per Time Schedule mentioned in the Notice. Bidders are advised to attend the same. Technical queries shall preferably be forwarded at least 1 day in advance before the pre-bid conference. Site visit should be undertaken by the bidders before the pre-bid conference.

5. Completeness of Offer

- 5.1. If any item or details of an item are not given in various specifications of the tender documents which are required essentially for the completion of the work, it should be included in the Contractor’s offer so that the offer is complete in all respects. No claim for extra payment will be entertained on the plea that the specification for an item or equipment is not complete in all respect. It is the responsibility of the Tendered to make an offer for the Complete Project. The tenderer is to be guided by the spirit of the project and not by the wording of the specification.

6. Eligible Bidders:

- 6.1 The bidder must be a company registered under Companies Act, 1958/2013 or Partnership or LLP or OPC or Proprietary Firm. Documentary (Certificate of incorporation/Relevant document) evidence to be submitted.
- 6.2 The bidder should have their presence in state with own office. Valid proof should be submitted along with the bid.
- 6.3 The bidder should have valid GST Registration Certificate & PAN, Bidder shall have to submit photocopy of the documents.
- 6.4 The bidder/OEM shall have executed "Similar Nature of single order an amount not less than total Rs. 15.00 Cr. In last three financial years and current financial year (considering FY-2020-21, 2021-22, and 2022-23) in Government Department/PSU/Autonomous Govt. Body. References order copy with completion certificate/payment certificate with all relevant details for the project to be provided.
- 6.5 The bidder/OEM shall have executed the work of installing "Combined Environmental Monitoring & Awareness Solution including Noise Monitoring Terminals, Ambient Air Quality & Outdoor LED Display Board with Mobile App" of single order an amount not less than total Quantity of 100 Units in last three financial years and current financial year (considering FY-2020-21, 2021-22, 2022-23) in any State or Central Pollution Control Board. References order copy with completion certificate/payment certificate with all relevant details for the project to be provided.
- 6.6 Bidder should have local call center number & OEM should have Central Call Center number. Call Center detail for Bidder & OEM with number & detailed to be submitted.
- 6.7 The bidder should have a total turnover of not less than Rs. 8.00 Cr. covering the last three financial years (considering FY-2020-21, 2021-22, and 2022-23)). Bidder shall have to submit Audited Balance Sheet / Audited Accounts/Auditor Certificate in support of their claim.
Audited Balance Sheet -2020-21
Audited Balance Sheet-2021-22
Audited Balance Sheet-2022-23
- 6.8 Manufacturer's tender specific authorizations for Cloud Connected Ambient Noise Monitoring Terminal Class 1 must be submitted as per format enclosed.
- 6.9 Manufacturer should be Indian manufacturer with Indian product qualifying with proper declaration.
- 6.10 OEM should have authorized service center/replacement centers in "City" to be submitted by respective OEMS Service Center details to be submitted.
- 6.11 The bidder shall submit Bid Form (Section -8) duly signed by the authorized signatory of the company as per the format enclosed. Deviation in format may not be accepted.
- 6.12 Bidder shall submit NIT Declaration (Section-8) duly signed by the authorized signatory of the company as per the format. Deviation in format may not be accepted.

- 6.13 Manufacturer registration certificate: Must be registered as a manufacturer of that product or equivalent in DGTD/SSI/SIA/MSME/Udyam.
- 6.14 All OEM authorization should come from Indian based manufacturer in India.
- 6.15 The Said Product of Class I Cloud Connected Ambient Noise Monitoring Terminal & Calibrator should be having valid traceable certification from CSIR-NPL, LNE, PTB, METAS, CEM or BEV. (Should be enclosed).
- 6.16 The Ambient Air Quality Monitoring systems should have a certified accuracy of 85% or higher as compared to reference grade stations and should be certified by reputed institutes like MCERTS, TUV, IIT, NPL.
- 6.17 The offer should clearly mention make, name of the manufacturer, detailed specifications, detailed literature about the equipment/ circuit diagram/drawing of the mechanism and any other information relevant to the equipment. For any printing error/ mistake in final bid will be the responsibility of the bidder and no correspondence will be entertained by the WBIDC in future.
- 6.18 The bidder shall not have been blacklisted by any State/Central Government or PSU Organization or bilateral/multilateral funding agencies for breach of ethical conduct or fraudulent practices as on date of submission of the proposal (irrevocable role issued on chain). Declaration on bidder's letter head to be submitted.
- 6.19 Bids from joint venture are not allowed.**

7. Technical Evaluation Criteria:

SL No	Technical Evaluation Criteria	Points
7.1	Company's Financial Profile	
7.2	<p>The Bidder should have a total turnover of minimum 8 Crore covering last 3 financial years (2010-21, 2021-22 & 2022-23) from the business area of IT /Environmental Monitoring/Noise & Air Quality Monitoring or Equivalent projects.</p> <ul style="list-style-type: none"> ● > Rs 15 Cr (Marks- 20) ● = Rs 15 Cr (Marks- 10) 	15
7.3	<p>The Bidder should have a total turnover of minimum Rs. 15 Crore covering last 3 financial years (2010-21, 2021-22 & 2022-23).</p> <ul style="list-style-type: none"> ● > Rs 45.0 Cr (Marks- 30) ● <Rs 45.0 Cr & > Rs 35.0 Cr (Marks- 25) ● <Rs 35.0 Cr & > Rs 25.0 Cr (Marks- 20) ● <Rs 25.0 Cr & > Rs 15.0 Cr (Marks- 15) ● = Rs 15.0 Cr (Marks- 10) 	30
7.4	Relevant Experience	
7.5	<p>The S1/OEM should have- The below marks is for the quantity of installation in a single order of the said "Similar Project"</p> <ul style="list-style-type: none"> ● => 250 (Marks-40) ● < 250 Units & > 200 (Marks -30) ● < 150 units & > 200 (Marks-15) ● =100 units (Marks-10) <p>Ongoing Work Order Copy or Completion Certificate or Payment Proof to be provided. Similar Project: Supply or Design, Implementation, Testing, and commissioning project of Cloud Connected Ambient Noise Monitoring Terminal Class 1 with Ambient Air Quality Monitoring & Outdoor LED Display Board for Central Government/State Government/ Urban Local Bodies/ PSU in India</p>	40
7.6	<p>The Bidder/OEM should have any IT&E related project in Environmental Monitoring System for Central Government/State Government / Urban Local Bodies/ PSU in India/. Also, should have an IT platform which has been deployed at any Central Government/ State Government/Urban Local Bodies/ PSU in India in the last 5 years with capacity to handle at least 5K Sensor & Telematics Devices with report engine, analytics engine, cloud connectivity and related device management.</p>	5
7.7	<p>Technical Presentation: Proposed Solutions/Resources, Approach and Methodology. Apart Demo of the Product is to be thoroughly shown to substantiate claims of all mentioned features apart from the test quality feature to be supported by test files. (Depending on the quality and comprehensiveness of the required sub-items mentioned below, the committee shall award marks)</p>	10
Total		100

8 Documentary evidence in support of the above should be submitted.

8.1 (a) each bidder must produce:

- i. Copies of Income Tax Return of FY, 2020-2021, 2021-2022; 2022-2023
- ii. An affidavit that the information furnished with the bid documents is correct in all respects; and
- iii. Copy of Professional Tax clearance Certificate
- iv. Copy of GST registration.
- v. Copy of PAN Card
- vi. Updated Trade License.

(b) Each bidder must demonstrate:

- i. Availability of technical personnel for the work as stated above.

8.2 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- (i) Made misleading or false representations in the forms, statements, affidavits and attachments submitted in proof of the qualification requirements; and /or
- (ii) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc

9 One Bid per Bidder

9.1 Each Bidder shall submit only one Bid for the work. A Bidder who submits more than one Bid will cause the proposals with the Bidder's participation to be disqualified.

10 Cost of Bidding

10.1 The Bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will, in no case, be responsible or liable for those costs.

11 Site Visit

11.1 The Bidder, at his own cost, responsibility and risk, is encouraged to visit, examine and familiarize himself with the Site of Works and its surroundings including source of earth, water, road aggregates etc. and obtain all information that may be necessary for preparing the Bid and entering into a contract for design, drawing of all infrastructural work, preparation of bid document for selection of Contractor and Contractor through e-tendering etc. of the Works. The costs of visiting the Site shall be at the Bidder's own expense.

11.2 For site visitor for any clarifications relating to this Tender Document the bidder may contact the person

(s) whose contact details are given below:

Mr. Soumitra Sen ADV(P), WBIDC

Phone No. 033-22553838

E-mail: soumitra.sen@wbidc.com

Mr. SK MANIRUL ISLAM, EA (IP)

Phone-+91-33-22553876,

E-mail: skmanirul.islam@wbidc.com

12 Bidding Documents and Evaluation

12.1 Content of Bidding Documents

12.1.1 The tenders are to be submitted through online to the website stated in two folders at a time, one is Technical Proposal & the other is Financial Proposal before the prescribe date and time using the Digital Signature (DSC). The documents are to be uploaded virus scanned copy duly digitally signed. The documents will get encrypted.

12.1.2 PRE QUALIFICATION PROPOSAL

Technical Proposal:

Statutory Cover containing the following digitally signed documents:

- | | |
|----------|---------------------------|
| 12.1.2.1 | NieT |
| 12.1.2.2 | Qualification Information |
| 12.1.2.3 | EMD |
| 12.1.2.4 | Pre Bid MoM |

Non Statutory cover containing the following digitally signed documents:

Sl. No.	Category Name	Sub category Description	Details
1.	Qualification Information	Section 4 of NIT	Form given in Section 4 is to be filled up, duly signed and stamped
2.	Certificate	Certificate	<p>(a) The Copies of Income Tax Returns of FY 2020-2021, 2021-2022, 2022-2023.</p> <p>(b) An affidavit that the information furnished with the bid documents is correct in all respects.</p> <p>(c) Professional Tax clearance Certificate /Sale Tax Clearance Certificate.</p> <p>(d) GST registration certificate.</p> <p>(e) PAN Card</p> <p>(f) Audited balance sheets and Profit and Loss Account for the FY 2020-2021, 2021-2022, 2022-2023 (audited and unaudited as applicable)</p> <p>(g) Updated Trade License.</p>
3.	Company Details	Company Details	<p>(a) Name of the Organization</p> <p>(b) Address of the Organization</p> <p>(c) Year of Establishment</p> <p>(d) Status of the firm</p> <p>(e) (Whether Company/Firm/Proprietary)</p> <p>(f) Name of Directors/ Partners/Proprietor.</p> <p>(g) Whether registered with the Registrar of Companies/ Registrar of Firms. If so, mention number and date.</p> <p>(h) Document of empanelment with other Govt. /Semi Govt. / Statutory Agency, if so, furnish details.</p>
4.	Credentials	Credential	The bidder/OEM shall have executed "Similar Nature of single order an amount not less than total Rs. 15.00 Cr. In last three financial years and current financial year (considering FY-2020-21, 2021-22, and 2022-23) in Government Department/PSU/Autonomous Govt. Body. References order copy with completion certificate/payment certificate with all relevant details for the project to be provided.
5.	Financial Information	P/L & Balance Sheet of last Three financial years	FY 2020-2021, 2021-2022, 2022-2023
6.	Declaration	Declaration1	Addenda issued in accordance with Clause Of ITB and /or Minutes of Pre-Bid Meeting Other important documents

Additional Information: Any additional information may be incorporated in NleT.

Financial Proposal:

The Financial Proposal contains the following documents:

- (i) Form of Bid as specified in Section 8;
- (ii) Priced bill of quantities for items (filled in BOQ).

[Note: In case any discrepancy, the amount which is quoted in BOQ will be considered.]

N.B.: Submission of Statutory and Non Statutory covers are compulsory for acceptance of the bid.

12.2 The bidder is expected to examine carefully all instructions, conditions of contract, forms, terms and specifications, forms and drawings in the Bid Document. Failure to comply with the requirements of Bid Documents shall be at the bidder's own risk. Pursuant to clause E/4 hereof, bids, which are not substantially responsive to the requirement so the Bid Documents, shall be rejected.

13 Clarification of Bidding Documents and Pre-bid Meeting

13.1 Prospective Bidder requiring any clarification of the bidding documents may raise the query /queries at the Pre-bid Meeting. Copies of the Employer's response will be uploaded to the website, including a description of the inquiry, but without identifying its source.

13.2 The bidder or his authorized representative is invited to attend the pre-bid meeting at WBIDC office at 15:00 HRS.

13.3 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage. Bidders are advised to attend the same. Technical queries shall preferably be forwarded at least 2 days in advance before the pre-bid conference.

13.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of the enquiry) and the responses given will be uploaded in the official website of WBIDCL. Any modifications of the bidding documents listed in this document of ITB, which may be commence as necessary result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause of ITB and not through the minutes of the pre-bid meeting.

13.5 Non- attendance at the pre-bid meeting will not be cause for disqualification of a bidder.

14 Amendment of Bidding Documents

14.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by uploading the addenda in the website.

14.2 Any addendum thus uploaded shall be part of the bidding documents

15 Preparation of Bids

15.1 Language of Bid

15.2 All documents relating to the Bid shall be in English.

16 Documents Comprising the Bid

16.1 The following documents, which are to be digitally signed on every page by the bidder and submitted with the technical bid, will be deemed to be part of the bid.

Sect ion	Particulars
1	Notice inviting Tender
2	Instruction to the bidders
3	Qualification Information (Conditions of Contract)

17 Bid Prices

17.1 The Contract shall be for the whole Works, as described in Clause 1.1 of ITB, based on the priced Bill of Quantities submitted by the Bidder.

17.2 The Bidder shall have to submit their financial proposal in the form of following documents:
i. Financial Quote in the prescribed BOQ Format.

17.3 The Bidder shall adopt the Qualification Cost Based Selection Procedure (QCBS).

17.4 **The rates quoted by the Contractor shall be deemed to be exclusive of GST.**

17.5 The rates and prices quoted by the Bidder shall be fixed for the duration of the Contract and shall not be subject to adjustment.

17.6 In case of any dispute with regard to interpretation of any section as contained in this NleT or as may arise by and between the contracting parties the same shall be referred to Chairman & Managing Director, WBIDC whose decision shall be Final and binding on all the parties.

18 Currencies of Bid

18.1 The unit rates and the prices shall be quoted by the bidder entirely in Indian Rupees.

19 Bid validity

19.1 Bids shall remain valid for a period 120 (one hundred twenty) days after the dead line date for bid submission Specified in Clause of ITB. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.

19.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of the Bank Guarantee for a period of extension and in compliance with Clause C/6 of ITB in all respects.

20 Earnest Money Deposit

The Bidder shall furnish, as part of the Bid, Earnest Money Deposit, for an amount Rs. 10,00,000.00 (Rupees Ten Lakh Only)EMD shall be submitted through online.

Any bid not accompanied by an acceptable Earnest Money, shall be ejected by the Employer as non-responsive.

The Earnest Money may be forfeited:

- a) If the Bidder withdraws the Bid after bid opening (technical bid) during the period of Bid validity.
- b) If the bidder does not accept the correction of Bid Price pursuant.
- c) In the case of a successful Bidder, if the Bidder fails within the specified time limit to:
 - i. Sign the Agreement; and/or
 - ii. Furnish the required Performance Security.

21 Alternative Proposals by Bidders:

21.1 Bidders shall submit offers that comply with the requirements of the bidding documents, including the Bill of Quantities and the basic technical design as indicated in the drawings and specifications. Alternative proposals will be rejected as non-responsive.

22 Format and Signing of Bid:

22.1 The Bidder shall submit online one set of the bid comprising of the documents as described in Clause of ITB.

22.2 The Bid shall be digitally signed by a person or persons duly authorized to sign on behalf of the Bidder. All pages of the Bid shall be signed by the person or persons signing the Bid.

22.3 The Bid shall contain no overwriting, alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Bidder, in which case such corrections shall be made by scoring out the cancelled portion, making the correction, initial with date by the person or persons signing the Bid.

23 Evaluation Of Tenders

Conditional Tender shall be summarily rejected.

The Financial Bid offered by the technically qualified bidder will only be opened.

24 Department's Right to Split Package and Accept Part Offer

The Department reserves the right to split the package and accept or reject any part/ item(s) of the offer from the scope of work without assigning any reason.

25 Withdrawal Of Submitted Tender

Tender once submitted cannot be withdrawn before the scheduled validity date. If any tenderer desires to withdraw his tender before such time, entire Earnest Money Deposit shall be forfeited without assigning any reason.

26 Submission of Bids

26.1 The Bidder shall upload his bid on or before the last date of submission of bid within the stipulated time.

27 Deadline for Submission of Bids:

27.1 The last date of uploading of Bids 27.02.2024 at Time: 11-00 hours, (as per server clock)

28 Late Bids:

28.1 Bids after the last date of submission cannot be uploaded.

29 Bid Opening and Evaluation

29.1 Bid Opening

29.1.1 The Employer will online open the bids received at the time, date and place as specified in the event of the specified date for the opening of bids being declare as holiday for the Employer, the Bids will be opened at the appointed time and location on the next working day.

30 Evaluation of the technical bids shall be taken up and completed and a list will be drawn up of the responsive bids whose financial bids are eligible for consideration.

31 The date of Financial Bid Opening will be notified to the technically qualified bidders at a later date. In the event of the specified date being declared a holiday for the Employer, the bids will be opened at the appointed time and location on the next working day.

32 Process to be Confidential

32.1 Information relating to the examination, clarification, evaluation, and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced .Any attempt by a Bidder to influence the Employer's processing of bids onward decisions may result in the rejection of his Bid.

33 Clarification of Bids and Contacting the Employer

33.1 No Bidder shall contact the Employer on any matter relating to its bid from the time of the bid opening to the time the contract is awarded.

33.2 Any attempt by the bidder to influence the Employer's bid evaluation, bid comparison or contract award decision may result in the rejection of his bid.

34 Correction of Errors

34.1 Bids which are determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

- a) Where there is a discrepancy between the rates in figures and in words, the rate in words will govern.
- b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

34.2 The amount stated in the Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, the Bid will be rejected and the Earnest money shall be forfeited in accordance with Clause of ITB.

35 Evaluation and Comparison of Bids

35.1 In evaluating the bids, the Employer will determine for each Bid the evaluated Bid price by adjusting the Bid price by making correction, if any, for errors pursuant to Clause of ITB.

35.2 If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer's estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause of ITB be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract. The amount of the increased performance security shall be decided at the sole discretion of the Employer, which shall be final, binding and conclusive on the bidder

36 Award of Contract

36.1 Employer's Right to Accept any Bid and to Reject any or all Bids

36.1.1 The Employer reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all bids ,at any time prior to the award of Contract, without incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Employer' section.

36.2 Notification of Award and Signing of Agreement.

36.2.1 The bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity.

36.2.2 The notification of award will constitute the formation of the Contract, subject only to the furnish in performance security in accordance with the provisions of Clause F/3.

36.2.3 The Agreement will incorporate all agreements between the Employer and the successful Bidder. It will be signed by the Employer and the successful Bidder after the performance security is furnished.

36.2.4 Upon the furnishing by the successful Bidder of the Performance Security, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful.

37 Performance Security / Security Deposit

10% of the total amount will be kept as security deposit which would be released after completion of the Defect Liability Period. Defect Liability period will be **01 Year (One)** from the day of handover the work to selected Contractor.

38 Cost of Downloaded Tender Document.

4.1. In terms of Government Order No.199-CRC/2M-10/2012 dated 21.12.2013, the cost of tender document is exempted for e-tendering process.

39 Corrupt or Fraudulent Practices

39.1 The Employer requires the bidders /Contractors to strictly observe the laws against fraud and corruption in force in India, namely, Prevention of Corruption Act, 1988.

Section 4

Qualification Information

Notes on Form of Qualification Information

The information to be filled in by bidders in the following pages will be used for purposes of accessing the techno commercial capability of the bidder- as provided for in Clause 7 of the Instructions to Bidders. Attach additional pages as necessary.

1. Individual Bidders:

1.1	Constitution or legal status of Bidder Place of registration: Principal place of business: Power of attorney of signatory of Bid	[attach copy] _____ _____ [attach
1.2	Total annual volume of civil engineering Contractor work executed and payments received in the last five years preceding the year in which bids are invited. (Attach certificate from Chartered Accountant).	(Rs. In lakhs) 2020-2021, 2021-2022 2022-2023.

Separate sheets to be attached

Section - 5

General Conditions of Contract

GENERAL ELIGIBILITY:

The Contractor(s) should have fulfilled the following criteria:

- a) Intending organizations should have minimum 5 years' experience in these fields.
- b) The bidder/OEM shall have executed "Similar Nature of single order an amount not less than total Rs. 15.00 Cr. In last three financial years and current financial year (considering FY-2020-21, 2021-22, and 2022-23) in Government Department/PSU/Autonomous Govt. Body. References order copy with completion certificate/payment certificate with all relevant details for the project to be provided.
- c) Organizations should have technical team consists of Civil Engineers, Structural Engineers, Architects and other technically qualified personnel etc. as is necessary for implementing the jobs.
- d) Intending party should have average annual financial turnover during the FY, 2020-2021, 2021-2022, 2022-2023 at least Rs. 800 Lakh.

TECHNICAL ELIGIBILITY

The Contractor should have the technical experts having following minimum experiences:

- a) One Engineers, minimum B.E. (or B.Tech) Environmental Engineering/IT/Electronics/CSE with 5 years' experience and must have handled large size IT/ITeS projects.
- b) Two Engineers, minimum Diploma in IT/Electrical/Electronics/CSE with 5 years' experience and must have handled large size environmental and IT/ITes projects.

Necessary qualification certificate, appointment letter along with acceptance must be produced. Without this the bidder will be disqualified.

Section – 6

Mode of Selection

1. PROPOSAL EVALUATION

The Technical Proposal will be opened before the Screening Committee and after appraisal the technically qualified Contractor will be screened.

The date of opening of Financial Proposal will be informed later.

The Financial Proposals will be opened in presence of Screening Committee & technically qualified Contractor who choose to attend.

2. An organization will be selected from technically successful bidders under Qualification Cost-Based Selection (QCBS) Procedures. The technically qualified bidders should have achieved at least 60 marks out of 100 in QCBS procedure.

3. WBIDC reserves the right to cancel/accept any/all offer/tender either in part or in full at its discretion without assigning any reasons whatsoever.

4. NEGOTIATIONS:

Negotiations may be held at the Office of WBIDC. The aim is to reach agreement on all points and sign a contract.

5. AWARD OF CONTRACT

The contract will be awarded following the negotiations and submission of the bank guarantee as mentioned earlier.

6. CONFIDENTIALITY:

Information relating to evaluation of proposals and recommendations concerning awards shall not be disclosed to the bidders who submitted the proposals or to other persons not officially concerned with the process, until the winning party has been notified and the contract is signed.

7. Incomplete EOIs are liable to be rejected. WBIDC reserves the right to accept or reject any of the NITs without assigning any reason thereof and without thereby incurring any liability to the affected parties. WBIDC takes no responsibility for delay, loss or non-receipt of offer or any letter sent by post either way.

8. Selection will be made based on particulars and documents furnished by the applicant as required and satisfactory verification carried out by WBIDC. If any information furnished by the applicant is found incorrect at a later stage they shall be liable to be debarred from tendering & taking up the work. WBIDC reserves the right to verify the particulars furnished by the applicants independently.

9. All related correspondence as exchanged by the Contractor along with the NIT should contain no interlineations or overwriting, except as necessary to correct errors made by Contractor them or to evidence provision. The persons who signed the Proposal must initial any such corrections, interlineations or overwriting. Sign should be digital.

10. Any effort by a Contractor to influence WBIDC in examination, evaluation, ranking of Proposals or recommendation for award of contract will result in rejection of the Contractor Proposal.

11. For any other clarifications, intending agencies may attend the Pre bid meeting at the above mentioned date and venue as mentioned earlier in this NIT.

Section - 7

Technical Specification

Technical Specification of the Environmental Monitoring and Awareness Solution		
AMBIENT NOISE MONITORING SPECIFICATIONS		
Sl No.	Attribute	Requirement
1	Applicable Standards	(i) IEC 61672-1: 2013 Class1 with latest approval (ii) Valid Certificate from LNE, PTB, METAS, CEM or BEV shall be enclosed.
2	Microphone 1	(i) Type 1, Pre-polarized 0 deg (vertical) and 90 deg (horizontal) incidence, free-field, ½ or ¼ (ii) Condenser, Sensitivity: min. 50 mv/Pa, freq. Resp.: 20-20,000 Hz
3	Time Weightings	(i) Slow, Fast & Impulse (IEC 61672-1: 2013) (ii) Peak detector, Peak hold facility
4	Frequency Weightings	A,C and Z
5	Measurement Range	(i) 25-140dB, (ii) Max. Peak Value: 150dB
6	Dynamic Span	110 dB(A) or more
7	Environment conditions	(i) Ambient temp (Max/Min) : 45 Deg C / 15 Deg C (ii) Humidity : 95 % max @ 38 Deg C (iii)Maximum recorded rainfall : 179 mm in 1 hour
8	Number of Input Channels	2 nos.
9	Telemetry/communication	The RTNLMS should have provision for interfacing with following type of communications: The NMT should have provision to support with mobile phone system (4G) & GSM/GPRS of the latest version
10	Pole / Mast – 1 no.	Length of mast should be 6 metre and to be mounted in a concrete base and be of GI Material and noncorrosive in structure with diameter of 500 mm & ladder attached for maintenance
11	Weatherproof cabinet	The robust, durable, weatherproof cabinet with IP-65 protection
12	Internal Clock Accuracy	12 seconds/months or better
13	GPS	The NMT must have integrated GPS system for time synchronization and location
14	Programmability	Fully Programmable. All functions must be programmable. Any software / hardware required shall be supplied.
15	Sound Recording	Audio recording should be threshold based in wave format
16	Built in display	Display only in Graphical Format on the NMT at site :- (i) LP (A, C & Z) weighting and S, F or I weighting Display & Stored (ii) LPmax, LPmin, Leq (A & C) weighting and S, F, P or I weighting (iii)L1.0 to L99.9 (five simultaneous user-selected values available) (iv)% overload, Date and time, Start time, stop time, elapsed time
17	Noise Profile	1 second short Leq & 1 minute to 24 hours user defined Leq averages
18	Wind Screen Filters	Automatic wind screen detection and correction
19	Calibration confirmation	Specification: (i) Calibrator shall conform to IEC 60942:2003 class 1 (ii) Calibration accuracy + 0.2 dB (iii) Calibration at dual range 94 dB SPL and 114 dB SPL (iv) 1 kHz calibration frequency

		(v) Compatible to Adaptors for ½ and ¼ microphones (vi) Automatic Calibration
20	Calibration facility	(i) Required. (ii) Class 1 - 94 dB & 114 dB @ 1 KHz Calibrator as Required with IEC Certification
21	Lightning protection	(i) Lightning protection shall be provided with required protection rod and earth pit as per IS standard. (ii) Complete job execution including material supply for same shall be in vendor scope.
22	Power Backup	System to have internal powerbackup facility along with Solar Charging system for upto 7 Days
23	System Data Backup	The NMT system should have a capacity to store generated data of upto 30 days in case of no Network condition & relay the data back to the Server as and when required.
24	Warranty, Maintenance & Server	(i) The system is to be covered under Comprehensive Maintenance including all spares till 60 months from date of installation. (ii) The MeiTY approved cloud server is to be considered within said scope of bidder for storage of the real-time data at a interval of 10 seconds from the NMT with Data Analytical tools for upto 60 months from date of installation
25	Manufacturing Details & Origin	The system should comply with "Make in India" policy of being Q1 level indigenously.
26	Software & Data	(i) Industrial grade rugged laptop / local hand-held terminal shall be provided which shall be capable for system to ICCB configuration, data acquisition, display, store and report generation. (ii) It shall also provide diagnosis function for troubleshooting purposes including alarms & events. (iii) The real time noise data shall be sent to SPCB server on a real time basis. (iv) Required GPRS / SIM / Modem is to be considered in scope of supply including associated service cost during warranty period of 60 months from date of installation
27		b) Authority shall provide one 110/220 VAC +/- 5 % (50 Hz) power supply point with isolation switch near to the grade level. It is vendor responsibility to include all accessories required for surge protection and further distribute to all the items at each location. c) Any voltage converters required for the field devices shall be supplied and installed inside the Interface / Junction box / enclosure. d) The system should be designed to withstand power fluctuations and shall also have necessary surge protection devices.
28		a) The bidder shall ensure that work is carried out only under supervision of experienced and qualified personnel recommended by OEM of the system. b) The vendor should fulfill all statutory and safety requirements for personnel engaged while executing the contract. c) Vendor shall be responsible for system installation, testing and commissioning of the integrated facilities including ensuring that the data is available and displayed at the SPCB server. d) All materials and services required for this shall be included in the scope of this job
29		a) In addition to the warranty the vendor shall also provide maintenance services as mentioned below during the warranty period. Any failures during this period shall be promptly rectified

		and system made continuously available without any cost implication to Authority. b) Any minor corrections / repair can be got rectified by providing technicians within 24 hours.c) In case of any fault which cannot be rectified through immediate support, the vendor expert shall visit the site and rectify it within 48 hours.
30		In case bidder is not Original Equipment Manufacturer (OEM), the bidder must attach the OEM authorization certificate to quote/submit the bid on behalf of OEM.
31		The bidder must also submit certificate of system support from OEM.
32		A complete system architecture including SPCB connectivity and detailed BOM (bill of material) with catalogues, datasheet and technical specifications shall be supplied along with the quotation.
33		Vendor shall consider all the erection hardware for installing the system and related accessories. All required plant and machinery, tools & tackles required for successful completion of the job shall be in scope of successful bidder
34		The offered solution shall be of the latest product range having successful track record for proven performance. Vendor shall provide successful performance installation of the offered model in any other location in India with detail of the contact person. No items shall be offered, whose end-of sale has been declared by the OEM or has been declared to be under phase out. Necessary certificate from OEM regarding the lifecycle support for spares & service for 10 years shall be submitted along with bid
35		All the items supplied for outside installation shall have ingress protection certified for minimum IP65 in accordance with IS/IEC60529.

AMBIENT AIR QUALITY MONITORING SPECIFICATIONS

Specifications for Real-time Sensor based AQMS station:

- a **PM_{2.5}:** 0 to 500, 0 to 1000 & 0 to 2000 µg/m³ – User selectable with auto ranging feature. Minimum detectable limit – 2 µg/m³
Resolution: 1% of the concentration or 1 PPB
Measuring Principle: Optical Particle Counter
- b **PM₁₀:** 0 to 500, 0 to 1000 & 0 to 2000 µg/m³ – User selectable with auto ranging feature,
Minimum detectable limit – 2 µg/m³,
Resolution: 1% of the concentration or 1 PPB
Measuring Principle: Optical Particle Counter.
- c **NO₂:** 0 to 1000 µg/m³ – User selectable with auto ranging feature.
Minimum detectable limit – 1 µg/m³
Measuring Principle: Electro chemical
Resolution: 1% of the concentration or 1 PPB
- d **SO₂:** 0 to 1000 µg/m³ – User selectable with auto ranging feature.
Minimum detectable limit – 1 µg/m³
Measuring Principle: Electro chemical
Resolution: 1% of the concentration or 1 PPB
- e **Temperature:** 0 to 60°C – User selectable with auto ranging feature.
Resolution: 0.1° C

- Accuracy: + / -, 0.2° C
Measuring Principle: Solid state semiconductor sensing
- f Humidity: 0 to 100% RH – User selectable with auto ranging feature.
Resolution – 1.0 %
Accuracy - + / - 3.0 %
Measuring Principle: Solid state semiconductor sensing
- g Barometric: 300 to 1100 hPa – User selectable with auto ranging Pressure feature.
Resolution – 2 hPa
Measuring Principle: Solid state semiconductor sensing

Power: The sensor should be consuming power less than 10 Consumption Watt and compatible with Solar Power with a minimum of 12 Hours of Battery Backup

Power Input: The system should be operating on an IEC 61010 IEC 61326 EN61000 compliant power source with UL 623681 & CAN/CSA C22.2 Certification for utmost safety.

Measurement: The sensors should be measuring air-quality & noise Principle parameters from downward (ground) direction to capture vehicular pollution and noise. The sensors should be measuring light parameters from the top direction to capture maximum sunlight. The sensors should be capturing particulates from the downward direction to avoid the effect of gravity on the measurement The captured dust particles must be extracted from the system post measurement.

- h **Measurement Flow:** The system should have a suction-based air rate measurement for Particulates as well as Gases.

Particulate monitoring should have at least 1 Liter / Min flow rate. Whereas for Gas monitoring should be having at-least 325 ml / sample as the required flow rate.

- i **Periodic Calibration:** The system must be working on suction-exhaust (inlet-outlet) based active sampling methods where periodic calibration should be possible by attaching Si-traceable gas cylinders on the inlet of the system. Such periodic calibration reports should be generated on the environmental data software.
- j **System backup:** The system should have an internal memory for the data backup for a minimum of 6 months in case of network failure or system maintenance cycles It should have an auto-sync facility for restoring the data once the network is available.

Communication: 4G-CAT 4 LTE, 3G Mobile Network band width UMTS/HSDPA featuring a maximum data rate of 3.6Mbps downlink and 384Kbps uplink with GSM/EDGE Fall Back

Antenna: All mentioned antenna for Mobile as well as GPS shall be included inside the enclosure with no exposed external antenna

SIM Card: Dual Profile SIM Cards with Industrial e-SIM – choice of Vodafone + BSNL or Airtel + BSNL

Access & Maintenance: Quick & Remote maintenance using remote back-end access with Firmware Over The Air (FOTA) capability

Mounting System: Pole Mountable system with included mounting Kit

SOFTWARE & MOBILE APP API:

- Web based Online Monitoring Application with the facility to Generate reports, Real-time Monitoring and Analytical view
- Mobile Application on Android & iOS to view all Web application data & reports
- Mobile Diagnostic Applications for ease of device diagnostics

SDK & SERVER API:

- HTTP based API to connect and control the features of the devices
- Server-side API for connect and control features of the devices

ONLINE DESKTOP DASHBOARD PLATFORM DETAILS & SCREENS:

- Map view landing page for a single window view of the important parameters
- Reporting Engine to generate both simple as well as complex reports in a pre-defined manner.
 - Up to 10 reports can be made available with up to 8 fields in each
- Graphical reporting engine in the form of: -
 - Bar graph reports
 - Line graph report
 - Multi-coloured graphing report
- Trend Analysis reporting against a single parameter or group of parameters
- Alerts engine will generate alerts in the form of SMS and Emails on pre-defined conditions

PUBLIC AWARENESS SYSTEM THROUGH OUTDOOR LED DISPLAY BOARD & MOBILE APP & WEB DASHBOARD

OUTDOOR CLOUD CONNECTED COLOUR LED DISPLAY BOARD

The cloud connected LED outdoor display boards are to be IoT enabled public address systems with a capacity for real-time display and spreading information to the general public at large.

The display boards should also be connected 24X7 via cloud connected monitoring system.

The display boards should have a high rate of visibility for almost 150 - 200 feet viewing distance.

The system should also have Open API architecture enabling the same to be connected to various systems for data extraction and display.

Design should be to withstand all weather conditions.

They are capable to display the sensor data from Ambient Noise Monitoring Terminals – Class 1 as well as Compact Air Quality Measuring systems (AQMS) directly from the intended device systems.

DETAILED HARDWARE TECHNICAL SPECIFICATIONS: -

The hardware specifications are as follows:

- **LED Display Area:** 3600mm x 2400 mm
- **Overall Dimensions:** 3900 mm x 2700 mm
- **Resolution:** 2500 Pixels per Square Foot, Minimum 600X400 Pixels overall
- **Special Functions:** Scroll & Blink – Tempo Control on both functions
- **Colour:** RGB
- **Visibility:** 50-80 Meters
- **Functional:** To be able to play high resolution Video, Image, Customized Environmental Tickers, etc
- **Environmental Protection:** IP65 Grade Anodized metal Enclosure
- **Vandalism Protection:** 2 mm Thick Transparent Hardened Cover for protection against vandalism
- **Connectivity:** option of 4G CAT-4 LTE with 3G, 2G GPRS/GSM Fallback
- **SIM Card:** Dual Profile SIM Cards with Industrial e-SIM – choice of Vodafone + BSNL or Airtel + BSNL
- **Access & Maintenance:** Quick & Remote maintenance using remote back-end access with Firmware Over The Air (FOTA) capability
- **Location Service:** to be provided using an onboard automotive grade chipset with an accuracy of ± 6 meters with internal patch antenna
- **Multi-level access available** for later configurations via SDK (e.g.: - Data frequency configuration, etc)
- **Maintenance history report** & tracking integration via SDK
- **Standard Start-up Time:** 20 Seconds for Cold Start
- **Tamper proof** via serial seal
- **Not easy to open** star bolts to limit access – shall supply one tool along with the device for self-maintenance
- **Enclosure:** To be made of fire-proof polycarbonate for the production grade units
- **Colour of the units:** Industrial Black
- **Power:** Requires 220 VAC & 5A Supply

DETAILS OF THE SOFTWARE PLATFORM: -

SDK, Mobile App Connector & SERVER API:

- HTTP based API to connect and control the features of the devices
- Server-side API for connect and control features of the devices

ONLINE DESKTOP DASHBOARD PLATFORM DETAILS & SCREENS:

- Map view landing page for a single window view of the important parameters & message pushing
- Reporting Engine to generate both simple as well as complex reports in a pre-defined manner.
 - To keep report of previously pushed messages with Time routine
- Alerts engine will generate alerts in the form of SMS and Emails on pre-defined conditions

The hardware specifications are as follows:

A Single SARDS (Smart Automated Roadside Dust Suppression System) should cover an area of up to one acre by sprinkling from one Irrigation

The Specifications of the SARDS system should be as follows :

- Various Turbo-gear and Impact Driven models of all Discharge capacity available.
- Saves water, time & labour for Irrigation.
- Droplet size & Impact adjustment facility for delicate crops.
- Half to one Acre of Sprinkling from one position.
- Angle of rotation adjustable for full and part circle operation.
- Light weight and sturdy with high workmanship.
- No maintenance cost even after long period of use.
- Uniform sprinkling
- Highly energy efficient works using 2 to 5 kg/cm² water pressure, thus saving on cost of power & pumping.
- Should spray at least 50 LPM of water per 300 meters of Road
- Should have atleast 30 nozzles per 300 meters of road
- Should be installed completely under the ground
- Should be able to operate 24x7
- Prevents salination caused due to over Irrigation thus maintaining soil productivity.
- Better Germination with less water.
- Very economical portable system with PVC underground mains & HDPE portable laterals.
- Real-time Automated Operation via the feedback of AQMS-C2 systems for optimum use of Water.

DETAILS OF THE SOFTWARE PLATFORM: -

SDK, Mobile App Connector & SERVER API:

- HTTP based API to connect and control the features of the devices
- Server-side API for connect and control features of the devices

ONLINE DESKTOP DASHBOARD PLATFORM DETAILS & SCREENS:

- Map view landing page for a single window view of the important parameters & message pushing
- Reporting Engine to generate both simple as well as complex reports in a pre-defined manner.
 - To keep report of previously pushed messages with Time routine
- Alerts engine will generate alerts in the form of SMS and Emails on pre-defined conditions

SECTION-8

Scope of the Work

SI No	Description of Area and Materials	Unit	QTY.	AMOUNT (RS)
1	Total roads in the Industrial Park-20 KM (Per Km road automated dust suppression system along with smart pollution sensing & automated road water sprinkling system)	KM	25	
2	<i>Ambient Air Quality & Noise Monitoring System across the Industrial Park & Ambient Air Quality & Noise Monitoring System at Southern & Northern Zone of the Panagarh Industrial Park. (Ambient Air Quality Monitoring system & Ambient Noise Monitoring System per 1 Sq.- Km (Total 6 Sq.Km) & Ambient Air Quality Monitoring system & Ambient Noise Monitoring System to be monitored to ensure quality of life is within permissible standards)</i>	QTY	10	
3	Truck Terminals Mist Canon around Truck Terminal - 5 Truck terminals (Smart & Intelligent Industrial Size Moveable Mist Canon for the truck terminals to ensure reduced dust re-circulation)	QTY	2	
4	Ambient Air Quality & Noise Monitoring System at all the Truck Terminals to ensure the Monitoring of the Dust Levels & the Noise Levels. (The Ambient Air Quality system to ensure that the mist canons would get auto activated as per the pollution levels)	QTY	10	
5	Public Display Systems at the Entry and Exit gates for public awareness to show the ambient condition of the industrial park (A 12 feet X 8 feet Colour Display at all the 4 Entry/Exit gates to ensure the public awareness of the ambient condition of industrial park as well as can run advertisement & other awareness videos of the industrial park & WBIDC advertisement)	QTY	4	
TOTAL (Including GST,L. Cess)				

Note: - The Contractor has to assist and prepare all necessary documents to obtain different sanctioned required for the work (if required). Government fees have to be paid by WBIDC separately.

A. Liability:

The Contractor shall be liable for all consequence of errors and omissions arising from errors solely attributable to Contractor or on the part of their employees to the extent and with the limitation specified by WBIDC. The Contractor shall also be liable and shall indemnify WBIDC from and against any/all claims, damages, and costs as may be raised on the Contractor by any other third party in connection with the said work.

B. Ownership of Documents & Copy Rights:

The copyright of Interim Reports, Design Reports, Tender Documents, Costs Estimates, Bill of Quantities, Calculation sheets, drawings etc. and all other similar documents (both interim and final) provided by the Contractor in connection with project/work shall remain vested in WBIDC. All written material, originated and prepared for WBIDC under the assigned agreement shall belong to WBIDC. The Contractor shall not publish, share, divulge, disclose, part with any of such papers or information without the written consent of employer or use for purpose other than those for this work, the articles, designs calculations and drawings

C. Changes or Alteration:-

Changes or alterations, as desired by WBIDC due to site considerations or otherwise as required during the pendency of the contract, will be done by the Contractor. Additional charges on this account, if any, will be mutually agreed upon by WBIDC.

D. Correctness and Accuracy of data:-

The Contractor shall be fully responsible for the correctness and accuracy of the data. If any inadequacy is observed in the work performed by them, they shall at their own initiative and at no extra cost to WBIDC take all steps necessary to remedy/rectify the said defects or inadequacies. The Contractor shall incorporate all the modifications or changes as desired by WBIDC.

E. Code of Practice

The report for all works shall confirm to local building bye laws, other state regulation, and pollution control board norms as well as to relevant latest Indian Standard Specifications and/or Standard code of Practice. All reports, computations etc. shall be submitted in English language and in metric/SI units.

F. Time Schedule :

Work should be completed within 365 days after getting AOC.

G. Payment Terms :

Payment will be released after submitting the Bill.

H. Performance Security deposit:

- a) The Successful Bidder shall submit 5% (Five percent) Bank Guarantee of Contract amount to the Employer after getting LOA and before signing the contract agreement.
- b) The Employer shall retain 5% (Five percent) of the billed amount as retention money from each payment due to the contractor until completion of the whole of the construction work.
- c) The total amount retained as Security Deposit (i.e. Bank Guarantee and Retention money) will be repaid to the contractor when the defect liability period has expired and the Engineer has certified that all defects notified by the Engineer to the contractor before the end of this period have been corrected.
- d) The EMD Deposit of successful bidder will be refund after submit the 5% (Five percent) Bank Guarantee.

I. Termination of Contract:

WBIDC reserves the right to terminate the work on the following grounds:-

- a) If the Contractor fails to execute the work within the time limit as provided in this Niet.

- b) In case the Contractor fails to deliver or submit the deliverables as required under this NieT and within such time as is provided in this EOI, unless such time is extended in writing by WBIDC.
- c) If after undertaking the work the Contractor refuses or abandons the job and WBIDC has to complete the rest of the work through any other agency ;
- d) During the time of execution of the project at site by the Contractor, if such faults is found in design details which in the opinion of WBIDC, the Contractor and PMC renders the work as unexcitable ; Then
- e) In the event of happening any of the aforementioned Defaults on part of the Contractor, WBIDC shall be entitled to terminate the contract. WBIDC shall give 7 days prior notice in writing to the agency before terminating the contract. On termination of the contract WBIDC shall forfeit the balance amount which may be payable to the Contractor and WBIDC shall be free to proceed and complete with the remaining work through any other agency, the cost of which shall be met from such moneys as forfeited or withheld by WBIDC. WBIDC shall also forfeit the Security Deposit retained

Section 8

Form - I

DIFFERENT FORMS INCLUDING FORM OF BID

Draft Contract Agreement

THIS AGREEMENT (“Contract Agreement”) is made on the _____ day of, 2023 at Kolkata.

BETWEEN:

West Bengal Industrial Development Corporation Limited, (Govt. of West Bengal undertaking), (hereinafter referred to as “WBIDC”) which expression shall, unless it be repugnant to the context or meaning thereof, include its administrators, successors in office and assigns) of One Part

AND

..... LIMITED, a company incorporated under the provisions of the Companies Act, 1956 and having its registered office at (hereinafter referred to as the “Contractor”) which expression shall, unless it be repugnant to the context or meaning thereof, include its administrators, successors in office) of the Other Part.

Whereas the WBIDC has invited e-Tender, e-Tender Reference No. : WBIDC/PIP/PMCW/23-24/01 for the work “Notice Inviting e-Tender for selection of Contractor for “Pollution Measurement & Control Work” at Panagarh Industrial Park, Panagarh, Paschim Bardhaman.

AND WHEREAS the Contractor in Pursuant to that advertisement has participated in the tender process and thus become a successful bidder accordingly and has agreed to execute upon and subject to the conditions set forth herein and Schedule of items and quantities, General Conditions of Contract, Special Conditions of Contract including all other conditions as mentioned in the tender document, specifications and all correspondence exchanged by or between the parties from the submission of tender till the award of work, both letters inclusive, (all of which are collectively hereinafter referred to as “the said conditions”) the work shown upon the said drawings and/or described in the said specification and included in the schedule of items and quantities at the respective rates therein set forth amountingto the sum of Rs..... (Rupees.....only) as therein arrived at or such other sum as shall become payable there under (Hereinafter referred to as “the said Contract amount”) NOW IT IS

HEREBY AGREED AS FOLLOWS:

1. In consideration of the said contract amount to be paid at the times and in the manner set forth in the said conditions, the Contractor shall upon and subject to the said conditions execute and complete the work show upon the said drawings and described in the said specifications and the schedule of items and quantities.
2. The WBIDC shall pay the Contractor the said amount, or such other sum as shall become payable, at the times and in the manner specified in the said conditions.
3. The said conditions and Appendices thereto shall be read and considered as forming part of this Agreement, and the parties hereto shall respectively abide by, submit themselves to the said conditions and perform the agreement on their part respectively in the said conditions contained.
4. Following documents mentioned herein shall form and part this contract:
 - a) e-Tender Document vide ref. No. Date
 - b) Section-1:List of Important Dates, Press Notice, Notice Inviting e-Tender (NIeT)
 - c) Section - 2: Background Information
 - d) Section - 3: Instructions to Bidders (ITB)
 - e) Section - 4: Qualification Information
 - f) Section - 5: General Conditions of Contract
 - g) Section - 6: Mode Of Selection
 - h) Section - 7: Technical Specification
 - i) Section - 8: Scope of Work
 - j) Section - 9: Different Forms including Form of Bid
 - k) Work Order vide ref. no. Date

l) Any other documents related to this Tender Purpose.

5. The WBIDC reserves to itself the right of altering the drawings and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this contract.
6. Time shall be considered as the essence of this contract and the Contractor hereby agrees to commence the work on the day of handing over of the site or within fourteenth days from the date of issue of formal work order/ LOA whichever is later as provided for in the said conditions and to complete the Annual Maintenance Work for 12 months.
7. All payments by the WBIDC under this contract will be made at Kolkata and 30 days from receipt of the bill.
8. In case of any dispute by and between the contracting parties the same shall be referred to the Chairperson & Managing Director of WBIDC whose opinion shall be prevailed as final and binding on all the parties and shall be subject to Kolkata jurisdiction only.
9. The various clause & sub-clause of the tender document along with its annexures and modifications made thereon by WBIDC shall be read and be treated as forming part of this Agreement and parties hereto will respectively be bound thereby and to abide by and submit themselves to the conditions and stipulations and perform the provisions of this Agreement on their parts respectively.
10. That the several parts of this contract have been read by the Contractor and fully understood by the Contractor.

In witness whereof the Employer and the Contractor have set their respective hands to those presents through their duly authorized official and the said two duplicates hereof to be executed on its behalf or the day and year first herein above written.

Signed on behalf of WBIDC
its duly authorized official

In the presence of:

1. Signature_____

Name with address_____

2. Signature_____

Name with address_____

Signed on behalf of the Contractor by

In the presence of:

1. Signature_____

1. Name with address_____

2. Signature_____

Name with address_____

Notes on Form of Bid

The Bidder shall fill in and submit this Bid form with the Bid.

_____ [Date]

To

[Name of Employer]

Authorised Address of communication: Telephone

No. (s): Office:.....

Mobile No.

Facsimile (FAX) No.

Electronic Mail Identification (E-mail ID).....

Description of the Works: _____

1. I/We offer to execute the works described above and remedy any defects therein, in conformity with the Conditions of Contract, specifications, drawings, Bill of Quantities and Addenda for Item Rate Contract of Total Bid Price of Rs. **Mentioned in BOQ** (BOTH IN FIGURES AND WORDS).
2. We undertake to commence the works on receiving the Notice to Proceed with work in accordance with the contract documents.
3. This Bid (including all amendments and minutes of pre-bid meeting) and your written acceptance of them shall constitute a binding Contract between us.
4. We understand that you are not bound to accept the lowest or any Bid you receive.
5. We hereby confirm that this Bid complies with the Bid validity and Earnest money required by the bidding documents and specified in the Instructions to Bidders (ITB).

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Bidder: _____

Address: _____

Covering Letter
(On the Letterhead of the Bidder)

Date:
To:

Ref:

Dear Sir,

Being duly authorized to represent and act on behalf of..... (hereinafter referred to as "the Bidder"), and having reviewed and fully understood all of the Proposal requirements and information provided and collected, the undersigned hereby submits the Proposal on behalf of _____(Name of Bidder) for the captioned Project with the details as per the requirements of the RFP, for your evaluation. We confirm that our Proposal is valid for a period of 120 days from_ _____(insert Proposal Due Date).

We also hereby agree and undertake as under:

Employer can amend the scope & value of the contract bid under this project. Employer reserves the right to reject any application without assigning any reason;

Notwithstanding any qualifications or conditions, whether implied or otherwise, contained in our Proposal we hereby represent and confirm that our Proposal is unqualified and unconditional in all respects and we agree to the terms of the proposed Agreement, a draft of which also forms a part of the RFP document provided to us.

If negotiations are held during the period of validity of the Proposal, we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from contract negotiations.

We hereby certify and confirm that in the preparation and submission of our Proposal, we have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing which is or could be regarded as anti-competitive.

Yours faithfully,
For and on behalf of (Name of Bidder)
Duly signed by the Authorized Signatory of the Bidder (NAME,
TITLE AND ADDRESS OF THE AUTHORIZED SIGNATORY

Declaration by the Bidder
(On the Letterhead of the Bidder)

DECLARATION BY THE BIDDER

I/We have inspected the site of work and have made myself/ourselves fully acquainted with local conditions in and around the site of work. I /We have carefully gone through the Notice Inviting Quotation and other tender documents mentioned therein along with the drawing attached.

My/Our Bid is offered taking due consideration of all factors regarding the local site conditions stated in this Detailed Notice Inviting Quotation to complete the proposed contract. I/We promise to abide by all the stipulations of the contract documents and carry out and complete the work to the satisfaction of the authority.

I, the under-signed do certify that all the statements made in the attached documents are true and correct. In case of any information submitted proved to be false or concealed, the application may be rejected and no objection/claim will be raised by the under-signed.

The under-signed also hereby certifies that neither our firm M/S _____ nor any of constituent partner had been debarred to participate in tender by any Govt. Department during the last 5 (five) years prior to the date of this NIQ.

The under-signed would authorize and request any Bank, person, Firm or Corporation to furnish pertinent information as deemed necessary and/or as requested by WBIDC to verify this statement.

The under-signed understands that further qualifying information may be requested and agrees to furnish any such information at the request of WBIDC.

Certified that I have applied in the tender in the capacity of individual/ as a partner of a firm & I have not applied severally for the same job.

For and on behalf of (Name of Bidder)

Duly signed by the Authorized Signatory of the Bidder (NAME,
TITLE AND ADDRESS OF THE AUTHORIZED SIGNATORY

Details of Bidder
(On the Letter Head of the Bidder)

1. Details of Organization:

(a) Name of the Organization

(b) Address

(c) Year of Establishment

(d) Status of the firm (Whether Company/Firm/Proprietary)

(e) Name of Directors/ Partners/Proprietor.

(f) Whether registered with the Registrar of Companies/Registrar of Firms. If so, mention number and date.

(g) Mention PAN No. of I.T and furnish copies of I.T return for last 3 years.

(h) Furnish copies of audited Balance Sheet and Profit & Loss Account (Audited) for the last three years
i.e., as on 31.03.22, 31.03.21 & 31.03.20.

(i) If you are empaneled with other Govt. /Semi Govt. / Statutory Agency, if so, furnish details.

(j) Specify turnover in last 3 years. In Rs (Lakh) (2020-2021, 2021-2022, 2022-2023)

(k) Other relevant information

(A separate sheet may be attached if needed)

POWER OF ATTORNEY
(On Stamp paper of relevant value)

Know all men by these presents, We..... (name and address of the registered office) do hereby constitute, appoint and authorize Mr. / Ms.....(name and residential address) who is presently employed with us and holding the position ofas our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Proposal for “

_____” including signing and submission of all documents and providing information/responses to WBIDC in all matters in connection with our Proposal for the said Assignment.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Dated this the Day of 2023

For.....

(Name and designation of the person(s) signing on behalf of the Bidder) Accepted

.....(Signature)

(Name, Title and Address of the Attorney) Date :

.....

Note:

1. To executed only if the Bidder is a Company or Partnership firm
2. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure. Copy of such document should be submitted along with the power of Attorney.
3. Also, wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution/power of attorney in favour of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.

Format for Project Data Sheet

Using the format below, provide information on each reference assignment for which your firm/entity, either individually as a corporate entity or as one of the major companies within an association, was legally contracted. Completion certificates should be provided.

Firm's Name: _____

Sl. No.	Assignment Name (in detail)	Name of Contracting Authority with address	Starting Date / Completion Date	Name of Associate Contractor if any	No. of Staff (Professional)	Approx. Value of Services/ Turnover (in Rs.)	Name of Senior Staff involved and functions performed

Note : a) Certificate from the Employers to be attached.

b) Non-disclosure of any information in the Schedule will result in disqualification of the firm

(c) No tender will be deemed to be fit for consideration unless the tender documents are fully and completely filled in. All information that may be asked from a tenderer must be unequivocally furnished. Any tender which is incomplete or does not comply with the prescribed conditions or stipulations laid down herein is liable to rejection at the time of opening or during subsequent scrutiny. Tender received with conditional rate will be liable to rejection at the time of opening.

(d) Canvassing in connection with the tender is strictly prohibited and a tenderer who resorts to this will render his tender liable to rejection.

(e) No alteration shall be permitted to be made by the tenderer in any tender after its submission as detailed in point no. 7 of the Section-III.