



**(भारत सरकार का उपक्रम-जल शक्ति मंत्रालय)**  
**(A Government of India Undertaking-Ministry of Jal Shakti)**

**406, 4th Floor, Orion Business Park, Ghodbunder Rd,  
Kapurbandi, Thane West, Thane, Maharashtra 400607,**

**TENDER DOCUMENT FOR**

**Appointment of Agency for Conducting  
Geotechnical Investigations for Pise weir  
Project on River Bhatsa, Bhiwandi, Thane,  
Maharashtra**

**WAP/WR/TNA/GEOTECH/2024  
December 2024**

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## **NOTICE INVITING TENDER (NIT)**

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## **NOTICE INVITING e-TENDER (NIT)**

Dated: **07.12.2024**

**Notice No: WAP/WR/TNA/GEOTECH/2024**

WAPCOS Limited (A Govt. of India Undertaking), invites “**Online Electronic Tenders**” from experienced Agencies and competent bidders for the work as per the following details:

1.	Name of Work / Project	:	<b>Appointment of Agency for Conducting Geotechnical Investigations for Pise weir Project on River Bathsa, Bhiwandi, Thane, Maharashtra</b>
2.	Site / Location	:	Bhatsa River, Bhiwandi, Thane
3.	Website for viewing tender	:	www.wapcos.co.in and <a href="https://gem.gov.in/">GEM Portal (https://gem.gov.in/)</a>
4.	Website for Registration/ Procurement/ uploading of Tender and also viewing & procurement of the Corrigendum/ Addendum, if any.	:	<a href="https://gem.gov.in/">GEM Portal (https://gem.gov.in/)</a>
5.	Estimated Cost (Details given in scope of work): -	:	<b>Rs. 4,00,000/- (including GST)</b>
6.	Cost of Tender Document	:	<b>NIL</b>
7.	Earnest Money Deposit (EMD)	:	<b>Rs. 10,000/-</b> (Rupees Ten Thousand only) shall be deposited in the form of an Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's cheque, Bank Guarantee from scheduled/ nationalized/ commercial banks or payment online in an acceptable form, safeguarding the purchaser's interest in all respects in favour of “WAPCOS Limited” payable at New Delhi / Gurugram and submitted in sealed envelope cover before the last date of technical bid submission.
8.	Performance Bank Guarantee	:	<b>3% of Total Contract Value</b>
9.	Project Completion Period	:	<b>1 months from the Date of Award</b>
10.	Validity of Bid/Tender	:	<b>90 Days from Bid Opening date</b>
11.	JV/Consortium	:	<b>Not allowed</b>
12.	Site Visit	:	Bidder may visit the project site for his satisfaction before submitting the bid.
13.	Last date & time of Procurement / download of tender Document	:	<u>17.12.2024</u> till 18:00 hrs As per the condition of e- Tendering, the bidder must officially procure/ download the tender documents from the GEM portal in order to bid before the date and time given for procurement.
14.	Pre Bid Meeting (for the bidders who	:	The pre-bid meeting will not be held. Bidder can

	conducted site visit)		ask queries in writing to tender inviting authority (WAPCOS LIMITED, Thane) before 2 days of last tender submission date as mentioned in NIT.
15.	<b>Offline Submission</b> of Technical Document, EMD & Solvency Certificate etc. as detail in Tender for bidders.	:	<u>18.12.2024</u> upto 13:00 hrs in the office of Chief Engineer, WAPCOS Limited, 406, 4th Floor, Orion Business Park, Ghodbunder Rd, Kapurbawdi, Thane West, Thane, Maharashtra 400607
16.	Last date & time for online submission of Technical & Financial Bid	:	<u>17.12.2024</u> upto 18:00 hrs
17.	Online opening of Technical Bid	:	<u>18.12.2024</u> at 18:30 hrs
18.	Online opening of Financial Bid	:	Will be Intimated to Technically Qualified Bidders.
19.	WAPCOS Communication address during Tendering and execution of works	:	The Chief Engineer, WAPCOS Limited, 406, 4th Floor, Orion Business Park, Ghodbunder Rd, Kapurbawdi, Thane West, Thane, Maharashtra 400607 Email- wapcosmumbai@yahoo.co.in
<b>Exemption in EMD fee for registered Micro and Small Enterprises only under MSME (if applicable):</b> The companies who are registered as Micro and Small Enterprises are exempted from the submission of EMD fee on submission of requisite proof in the form of valid certification from MSME.			
<b>The technical and financial bids shall be uploaded on the GEM portal.</b> If the office of WAPCOS Limited, Thane happens to be closed on the last date and time mentioned for any of the event, the said event will take place on the next working day at the same time and venue.			

The tender document has to be downloaded from above specified website only. Bidders are advised to visit above specified website regularly for updates/Amendments/Corrigendum, if any. The Updates/Corrigendum/Addendum shall be followed up to submission of tender and it will be the part of tender. The full details about the work, specifications, terms and conditions shall be available in the Tender Document. The tender document has to be submitted online on [GEM Portal \(https://gem.gov.in/\)](https://gem.gov.in/).

The purpose of this NIT is to provide with information to interested parties to assist the preparation of their bid. While WAPCOS Limited has taken due care in the preparation of the information contained herein, and believe it to be complete and accurate, neither it nor any of its authorities or agencies nor any of its respective officers, employees, agents or advisors give any warranty or make any representations, expressed or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

Further, WAPCOS Limited does not claim that the information is exhaustive. Respondents to this NIT are required to make their own inquiries and will be required to confirm, in writing, that they have done so and they did not rely solely on the information in NIT. WAPCOS Limited is not responsible if no due diligence is performed by the bidders.

**IMPORTANT POINTS**

- i. Joint Ventures / Associations are strictly not allowed.
- ii. All Bidders are hereby cautioned that Bids containing any deviation or reservation as described in Clauses of "Instructions to Bidders" shall be considered as non-responsive and shall be summarily rejected.
- iii. WAPCOS Ltd. reserves the right to accept or reject any or all bids without assigning any reasons. No Bidder shall have any cause of action or claim against the WAPCOS Ltd. For rejection of his Bid and will not be bound to accept the lowest or any other tender.
- iv. No reimbursement of cost of any type or on any account will be paid to persons or entities submitting their Bid.
- v. All information submitted in response to this NIT shall be the property of WAPCOS Limited and it shall be free to use the concept of the same at its will.
- vi. It is hereby declared that WAPCOS is committed to follow the principle of transparency, equity and competitiveness in public procurement.
- vii. Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected. This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the WAPCOS.

**For and on behalf of  
WAPCOS LIMITED**

**Chief Engineer  
WAPCOS Thane**

**SECTION-I**  
**INSTRUCTIONS TO BIDDER**

## SECTION-I INSTRUCTIONS TO BIDDER

### 1.1 INTRODUCTION

This Part of the Bidding Documents i.e. Instructions to the bidder provides the information necessary for bidders to submit responsive bids, opening and evaluation and process for award of contract. If any information provided in this document has conflict with the provision of general conditions, then the later shall prevail.

The Bidder, in his own interest is requested to read very carefully these instructions and the terms & conditions as incorporated in all parts of tender document along with all amendments/ corrigendum's / addendums before filling the Bid form. Submission of the Bid shall be deemed to be the conclusive proof of the fact that the Bidder had acquainted himself and is in agreement with all the instructions, terms & conditions governing the specification, unless otherwise specifically indicated/ commented by him in his Bid.

The Sellers/ Agency shall follow the link for reading the training module for GEM Participation as follows:

S. No.	Module	Link for Training Module
1	Introduction to Seller/Service Provider Functionality	<a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Introduction-Seller-Functionality-v1-1652261184.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Introduction-Seller-Functionality-v1-1652261184.pdf</a>
2	Seller/Service Provider Registration Using PAN	<p><b>Using PAN</b>  <a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Seller-Registration-Using-PAN-v1-1652261232.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Seller-Registration-Using-PAN-v1-1652261232.pdf</a></p> <p><b>Using Aadhaar</b> <a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Seller-Registration-Using-Adhaar-v1-1652261280.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Seller-Registration-Using-Adhaar-v1-1652261280.pdf</a></p>
3	Profile Updation (Seller/Service Provider)	<a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Seller-Profile-Updation-Approved-07th-Feb-2022-1657021156.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Seller-Profile-Updation-Approved-07th-Feb-2022-1657021156.pdf</a>
4	Secondary User Creation	<a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Secondary-User-Creation-Seller-v2-1652261408.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Secondary-User-Creation-Seller-v2-1652261408.pdf</a>
5	Overview of Dashboard – Seller/Service Provider	<a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Seller-Dashboard-v2-1652261449.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Seller-Dashboard-v2-1652261449.pdf</a>
6	Vendor Assessment	<a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Vendor-Assessment-Approved-16th-Feb-2022-1657021088.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Vendor-Assessment-Approved-16th-Feb-2022-1657021088.pdf</a>

<b>S. No.</b>	<b>Module</b>	<b>Link for Training Module</b>
7	Bid Participation Services	<a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Bid-Participation-Services-v2-1652262839.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Bid-Participation-Services-v2-1652262839.pdf</a>
8	Earnest Money Deposit (EMD) Process	<a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/EM D-Requirements-Seller-v1-1652262911.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/EM D-Requirements-Seller-v1-1652262911.pdf</a>
9	Bill of Quantities [BoQ] – Seller	<a href="https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/lte m-Wise-BOQ-seller-v2-1652262676.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/lte m-Wise-BOQ-seller-v2-1652262676.pdf</a>

The bidders are required to submit soft copies of their bids electronically on the GeM Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the GeM Portal, prepare their bids in accordance with the requirements and submitting their bids online on the GeM Portal.

More information useful for submitting online bids on the GeM Portal may be obtained at: <https://gem.gov.in>.

## **TENDER DOCUMENTS**

The tender documents are as stated below and should be read in conjunction with any corrigendum/modification issued on these documents:

- Notice Inviting Tender (NIT)
- Instructions to Bidders (ITB)
- Annexures for Bid Submission

The Bidder is expected to examine carefully the contents of all the above documents. Failure to comply with the requirement of the Bid submission will be at the Bidder's own risk. Bids which are not substantially responsive to the requirement of the bidding document shall be rejected.

## **CLARIFICATION OF BID DOCUMENTS**

Prospective Bidder requiring any clarification of the bidding documents may submit his queries in the pre-bid meeting / as mentioned in the NIT.

The Employer will reply to only those queries which are received before the scheduled time and which are essentially required for submission of bids. The Employer will not reply to the queries which are not considered fit like or replies of which can be implied /found in the NIT/Tender Documents or which are not relevant or in contravention to NIT/Tender Documents. While all efforts have been made to avoid errors in the drafting of the tender documents, the Bidder is advised to check the same carefully. No claim on account of any errors detected in the tender documents shall be entertained and WAPCOS Limited shall remain indemnified on all counts in this regard.

## **AMENDMENT OF BID DOCUMENTS**

At any time prior to the deadline for submission of bids, the Employer may, for any reason (s), whether at their own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by the issuance of a corrigendum/ addendum. No modification of Bid shall be permissible after last date of submission, whatever may be the reason. The Employer may at their discretion may extend the deadline for submission of Tender/ Bid, if considered necessary. Any corrigendum/ addendum thus issued shall be part of the bidding documents. Prospective Bidders shall download the same from the e-portal and submit along with the submission of Bid as token of acceptance.

## **PREPARATION OF BIDS**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) The bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats.

## **1.2 SUBMISSION OF BIDS**

### **Online submission of Bid**

The bidders shall submit their Technical and Financial Bid electronically through GEM Portal (<https://gem.gov.in/>).

### **Technical Bid**

The Technical bid may be declared non-responsive / invalid, if the Bid is not accompanied by the requisite documents as stipulated in ITB of Bid document. The Technical Bid should not contain any financial information related to Financial Bid. The technical bid shall contain:

*Documentary evidence of having deposited the cost of bid document and EMD as per NIT.*

*Signed & scanned copy of all duly filled Forms as per clause 3.0 of Section-II and Annexures as per clause 7 of ITB and other requirements mentioned elsewhere in the Tender document.*

### **Financial Bid**

The Financial Bid shall not include any Commercial or Technical conditions/ information. Financial offers shall be submitted as per prescribed format given in **Annexure-A: Financial Bid** of Bid document. Financial Bid shall be uploaded through GEM Portal of Government of India.

### **Deadline for Submission of Bids**

WAPCOS may, at its discretion, extend the deadline for submission of bids by issuing an amendment, in which case all rights and obligations of WAPCOS and the bidders previously subject to the original deadline shall thereafter be subject to the new deadline as extended. The notice for extension of bid submission date shall be put on GEM Portal of Government of India.

### **Modification and Withdrawal of Bids**

The bidder may modify or withdraw their bid prior to deadline for submission of bid by giving modification or withdrawal notice in writing to WAPCOS. The bid shall be modified / withdrawn on GEM Portal.

No bid will be modified after the deadline for submission of the bid. Withdrawal of bid between deadline for submission and expiry of bid validity will result in forfeiture of earnest money pursuant to ITB clause-3.

### **Assistance To Bidders**

- Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- Any queries relating to the process of online bid submission or queries relating to GeM Portal in general may be directed to the 24x7 GeM Portal Helpdesk.

### **Bid Submission**

The entire bid-submission would be online process through ETS. Broad outline of submissions are as follows:

- Technical Bid (Envelope-I of the Tender Document) – Online & Offline
- Financial Bid (Envelope-II of the Tender Document) – Online only

## **1.3 OFFLINE SUBMISSION OF DOCUMENTS BY BIDDER**

The Bidder shall submit following document offline in separate sealed envelopes also.

- ✓ Technical Qualification Documents in original as mentioned in “Section-II - Selection and Qualifying Criteria”
- ✓ Originals of EMD in the form as mentioned in NIT and Original Solvency Certificate issued by the bank.

## **1.4 MINIMUM REQUIREMENTS AT BIDDER’S END**

Computer System having configuration with minimum Windows 7 or above, and Broadband Connectivity.

- Microsoft Internet Explorer 7.0 or above
- Digital Certificate(s) / GEM Portal registration

## 2 INSTRUCTIONS TO BIDDER

The purpose of these instructions is to serve as a guide to Bidders for preparing offer for carrying out the project in all respect.

- a) The Schedule of Quantity is given in **Annexure-A**. The tenderer has to quote their offer in Item Rate in Schedule of Quantities. The Item-Rate shall be quoted up to 2 decimals. The tenderer shall quote rate(s) in figures as well as in words. In case of any discrepancy between the two, rate(s) quoted in words shall prevail. In case of discrepancy between quoted rate and amount, rate shall prevail. The payment will be made as per the actual work done and item wise measurement basis. Bidders are advised to examine the available Cost Index/ Market Rate while submitting the tender.
- b) Bidders are advised to quote their rates including the lead/lift/carriage of material at site as per the site conditions. No request for the lead/lift carriage shall be considered after the award of the work.
- c) Submission of a tender by a tenderer implies that the tenderer has read this notice and all other Tender Documents and has made himself aware of the scope, the specifications, and conditions of contract, local conditions and other factors having bearings on the execution of the work.
- d) WAPCOS Limited desires that the bidders, suppliers, and Sub-contractors under the Project; observe the highest standard of ethics during the performance, procurement and execution of such contracts. In pursuance of this requirement, WAPCOS Limited, defines, for the purposes of this provision, the terms set forth below:
  - i. "Corrupt Practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
  - i. "Fraudulent Practice" means any act of submission of forged documentation, or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation, or to succeed in a competitive bidding process;
  - ii. "Coercive Practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
  - iv. "Collusive Practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.
  - v. Will reject the award of Contract, even at a later stage, if it determines that the bidder recommended/ selected for award/awarded has, directly or through an agent, engaged in Corrupt, Fraudulent, Collusive, Or Coercive Practices in competing for the Contract; Will sanction a party or its successors, including declaring ineligible, either indefinitely or for a stated period of time, to participate in any further bidding/procurement proceedings under the Project, if it at any time determines that the party has, directly or through an agent, engaged in Corrupt, Fraudulent, Collusive, Or Coercive Practices in competing for, or in executing, the

contract.

The party may be required to sign an Integrity Pact, if required; and WAPCOS Limited will have the right to require the bidders, or its suppliers, contractors and consultants to permit WAPCOS Limited to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by WAPCOS Limited at the cost of the bidders.

- vi. The Bidder must obtain for himself on his own responsibility and at his own expenses all the information which may be necessary for the purpose of making a bid and for entering into a contract, must examine the Drawings, must inspect the sites of the work, acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto. WAPCOS Limited will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- vi. The Contract shall be governed by each SECTION OF TENDER DOCUMENT i.e. instructions to bidders, selection & qualifying criteria, scope of works, General Conditions for Contract (GCC), Special Conditions for Contract (SCC), Annexures, Forms, Drawings, Technical Specification, Addendum / Clarification / Corrigendum etc. and all other Conditions mentioned in the tender documents.
- vii. All Bidders are hereby explicitly informed that conditional offers or offers with deviations from the Conditions of Contract, the bids not meeting the minimum eligibility criteria, Technical Bids not accompanied with EMD and Tender Document Fees of requisite amount in acceptable format, Bids in altered/modified formats, or in deviation with any other requirements stipulated in the tender documents are liable to be rejected.
- ix. The bidders shall not tamper or modify any part of the tender documents in any manner. In case in part of the bid is found to be tampered or modified at any stage, the bids are liable to be rejected, the contract is liable to be terminated and the full earnest deposit/retention money/performance guarantee will be forfeited and the bidder will be liable to be banned from doing any business with WAPCOS Limited
- x. Incomplete Price bid shall be liable to be rejected, at the discretion of WAPCOS Limited. The total bid price shall cover the entire scope of works covered in the tender.

### **3 EARNEST MONEY DEPOSIT (EMD)**

1. An EMD in the form of an Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's cheque, Bank Guarantee from scheduled/nationalized/commercial banks or payment online in an acceptable form, safeguarding the purchaser's interest in all respects of the value as specified in the "NIT" may be submitted in favour of "WAPCOS Limited" payable at New Delhi / Gurugram. Such EMD shall be fully exempted for bidders with MSME certification for micro & small enterprises only.
2. The Bank Guarantee should be valid for **180 days from bid opening date**. The hard copy of the original instrument in respect of EMD must be submitted at the address as mentioned in NIT as a part of Technical Bid on or before bid opening

- date and time as specified. Bid will not be accepted if original payment instrument against the submitted bid are not reached by the specified date and time.
3. Bids not accompanied with EMD shall be rejected as non-responsive.
  4. The EMD of the unsuccessful bidders would be returned after award of work to the successful bidder.
  5. Format of the EMD is mentioned is **Annexure I**.
  6. The bank details of WAPCOS Limited are  
Account Number – 193502000000405  
A/c Holder – WAPCOS Limited  
Bank Name – Indian Overseas Bank  
Branch name: NHB, Gurugram  
IFSC code: IOBA0001935
  7. Successful bidder's EMD will be released only after submission of Performance Bank Guarantee and receipt of confirmation from bank for the same. If the EMD is adjusted with PBG, then EMD will be released along with PBG.

#### **Forfeiture of EMD**

The entire EMD shall be forfeited by WAPCOS Limited in the following events:

1. If the Bidder varies or modifies its proposal in a manner not acceptable to the tender inviting authority (TIA) after opening of Bid during the validity period or any extension thereof.
2. If the Bidder tries to influence the evaluation process or canvassing of any kind.
3. If the Bidder/s selected as 'Service Provider/s' chose to withdraw the Bid before the finalization process (failure to arrive at consensus by both the parties shall not be construed as withdrawal of Bid by the Bidder).

#### **4 COST OF BIDDING**

The Bidder shall bear all costs associated with the preparation & submission of the Bid as well as costs associated for facilitating the evaluation. WAPCOS Ltd shall in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

#### **5 LANGUAGE OF BID**

The Bid and all related correspondence and documents relating to the Project shall be in English language only. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate English translation which shall be certified by a qualified translator. Any material that is submitted in a language other than English and which is not accompanied by an accurate English translation will not be considered.

#### **6 CURRENCY OF BID**

Bid prices shall be quoted in Indian Rupees only.

Tender submitted by tenderer shall remain valid for acceptance as mentioned in NIT from the date set for submission of the tender. The tenderer shall not be entitled within the said period to revoke or cancel or vary the tender given or any item thereof, without the consent of WAPCOS Limited. In case tenderer revokes, cancels, or varies his tender in any manner without the consent of WAPCOS Limited, within this period, his earnest money will be forfeited.

## 7 ANNEXURES

The successful Bidder shall submit the following documents and follow the guidelines as per “**Section of Annexures**” mentioned in tender document.

Annexure- I	:-	BANK GUARANTEE FORMAT FOR EMD
Annexure- II	:-	PERFORMANCE BANK GUARANTEE FORMAT
Annexure- III	:-	SAFETY CODES

WAPCOS Limited reserves the right to reject any or all the bids or to cancel the Tender, without assigning any reason(s) whatsoever.

**For & on behalf  
of Tenderer**

**SECTION – II**  
**SELECTION AND QUALIFYING CRITERIA**

## SECTION- II

### SELECTION AND QUALIFYING CRITERIA

#### 1.0 SITE VISIT

Intending Bidder(s) are advised to inspect and examine the site and its surroundings at his own cost and to satisfy themselves before submitting their bids. The bidder shall satisfy regarding all aspects of site conditions such as rainfall, temperature, humidity, accessibility etc., of the area before submission of the bid. No claim will be entertained on the plea that the information supplied by WAPCOS is insufficient. The Bidder at his own expense, interest, responsibility and risk, must visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract.

The Scope of work of project in this Section shall include in accordance with Detailed Technical Specifications of all the works.

#### 2.0 PRE-BID MEETING

The pre-bid meeting will not be held. Bidder can ask queries in writing to tender inviting authority (WAPCOS LIMITED) before 2 days of tender first submission date as mentioned in NIT.

#### 3.0 QUALIFYING CRITERIA: ONLINE & OFFLINE TECHNICAL BID SUBMISSION

The intending bidders must read the terms & conditions of tender documents carefully. He should only submit his technical bid if he considers himself eligible and he is in possession of all the documents required.

The Technical Bid shall be uploaded **with properly readable colored scanned copies of following documents. All the documents must be Serial wise as stated below along with check list and clearly marked page no. on each page. Any of the following document not uploaded/submitted or having misleading information shall be outrightly rejected as per discretion power of tender inviting authority. The documents which are not uploaded, bids submitted after closure of submission date & time shall not be entertained and shall be summarily rejected.**

Format of Check List				
S.N	Particular of Document	Yes	No	Page Nos. (from – to)
a)	Authorization Letter to sign the Tender on bidder's original letter head or Power of attorney from the competent authority of the firm			
b)	Original EMD of amount as mentioned in NIT.			
c)	Letter of Transmittal for Technical Bid in prescribed format on bidder's original letter Head.			
d)	Yearly financial Turnover and <b>Audited Balance Sheet for Last 5 (Five) years</b> ending on the financial year 2023-2024 duly certified by Chartered Accountant.			
	<ul style="list-style-type: none"> <li>The contractor should not have incurred any financial loss (profit after tax should be positive) in more than 2 years during last 5 years ending</li> </ul>			

	2023-2024. Certificate shall be duly audited and Attested by the Chartered Accountant <b>(Form-A)</b> along with UDIN Number.			
	<ul style="list-style-type: none"> <li>• <b>Turnover:</b> Average annual financial turnover should be at least 50% of the estimated cost of work in <b>last 3 consecutive financial years ending 2023-24</b>. This should be duly audited by the Chartered Accountant doing Statutory Audit. <b>(Form-A)</b>. Turnover &amp; profit/loss certificate/form must carry UDIN.</li> </ul>			
	<ul style="list-style-type: none"> <li>• Full Balance Sheet and Profit &amp; loss Statement of Bidder should be verified by Chartered Accountant.</li> </ul>			
e)	<p>The contractor should also have satisfactorily completed the similar type &amp; nature of works with any Govt. department/semi-Govt. department/State Govt. department/PSU/Private entity as mentioned below during the last seven years ending year 2023-2024. <b>(Form-B)</b>.</p> <p><b>Eligibility Criteria:</b></p> <p>a) The contractor should have completed one similar work of <b>80% of estimated tendered value</b> during the last 7 years.</p> <p style="text-align: center;">or</p> <p>b) The contractor should have completed two similar works of <b>50% of estimated tendered value</b> during the last 7 years.</p> <p style="text-align: center;">or</p> <p>c) The contractor should have completed three similar works of <b>40% of the estimated tendered value</b> during the last 7 years.</p> <p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. "Similar works" refers to the scope of work (i.e. Geotechnical Investigations with NX diamond drill cutting method in water submerged area) as mentioned in this tender document.</li> <li>2. The bidder shall submit Experience Certificate(s) mentioning name, nature of work(s), value(s) of the job(s), date(s) of commencement, stipulated date(s) of completion and actual date(s) of completion along with LOI(s)/W.O(s) from respective Owner(s)/Client(s) duly signed by authority having rank Executive Engineer and above.</li> <li>3. These works should be carried out in India only under a single contract.</li> </ol>			
f)	The bidder should not be insolvent, in receivership, bankrupt or being wound up, not have had their business activities suspended. Accordingly, Bidder shall submit <b>Solvency certificate</b> with details of			

	Financial Status i.e. Name of the Banker & Current Solvency certificate (i.e <b>the solvency certificate shall be dated after the date of publication of tender</b> ) from the Banker for a sum of at least <b>40%</b> of the estimated cost of work in <b>Original from any nationalized /scheduled bank and the Solvency certificate should be addressed to the tendering authority quoting the name of the work. (Form-J).</b>			
g)	Name, Address, details of the Organization, Name(s) of the Owner/Partners/Promoters and Directors of the firm / company. <b>(Form-C)</b> Copy of Bank Account Number/ Cancel cheque.			
h)	Copy of P.F and PAN Number.			
i)	<b>Goods and Service Tax (GST):</b> Bidders are advised to get themselves registered for GST in at different place, which are mandatory, as per Govt. of India notification regarding GST. Accordingly, bidder shall submit relevant documents if already registered. If not registered till date of submission of bid, bidder will give undertaking on bidder letter head stating that they will get registered in GST as per Govt. norms before submission of bills.			
j)	The bidder should be an Indian Registered Company under Companies Act 1956/2013 Proprietorship Firm/ Partnership Firm/ Limited company private or public or corporation. <b>Joint Ventures/Consortium/Associations are not accepted.</b> Copy of Certificate of Incorporation/ Registration/ Partnership Deed or any other relevant document, as applicable, should be submitted along with a copy of address proof. <b>NOTE:</b> Proprietor firms shall submit registration details or shall submit the copy of relevant page of Pass book for the Current Account in the name of Proprietor Firm.			
k)	Bidder should not be blacklisted/ debarred by any government /semi government department/ StateGovt. /PSU in the last 5 years. Bidders shall giveundertaking for not being involved in any form of corrupt and fraudulent practices. <b>(Form-D).</b>			
l)	Letter of understanding the project site on bidder letter Head <b>(Form-E).</b>			
m)	'No Deviation Certificate' in prescribed format in Bidder's Letter Head <b>(Form-F).</b>			
n)	Agreement to execute the Integrity Pact <b>(Form-G).</b>			
o)	Bidder shall submit Information on litigation history in bidder Letter Head <b>(Form-H).</b>			
p)	Undertaking to be furnished on Company Letter Head with regard to Rule 144 (Xi) in the General Financial Rules (GFRs), 2017. The format of undertaking is as			

	per (Form-I).			
q)	Detailed methodology along with equipment (including their specifications) proposed for this project. The bidder is required to submit the names and bio-data of all the technical personnel proposed to be deployed for this work together with the estimated man-month effort expected to be contributed by each person. Further, all the personnel proposed to be deployed for this assignment must be on roll of the company.			
r)	List of equipment available along with their specification and present deployment and make (viz. Auto level / Total Station, Auger/shell/percussion/wash/rotary boring, Drilling through rocks equipment. If required Core Cutter, Rebound hammer, Ultrasonic pulse velocity measurement device shall be brought to site)			
s)	Each page of the all Volume of Tender document & Addendum/ Corrigendum shall be Digitally signed by the bidders submitting the Tender in token of his/their having acquainted himself/ themselves and accepted the entire tender documents including various conditions of contract. Any Bid with any of the Documents not so signed is liable to be rejected at the discretion of WAPCOS Limited. <b><i>(Do Not Submit with the document of Offline Submission)</i></b>			

**No information relating to financial terms of services should be included in the technical bid.** Bids are to be submitted to determine that the bidder has a full comprehension of the tendered work. Where a bidder technical submittal is found non-compliant with the requirement of work, it may be rejected. At any point of time, if WAPCOS finds out that any detail or information submitted by the bidder is false or wrong, then bidder would not be allowed to work further. This process is to assure that only technical acceptable bids are considered for the tendered work.

**Bidders who full fill the above requirements shall only be technically qualified. Non-fulfilment of any of the above requirements by any bidder will automatically lead to its technical disqualification. Therefore, bidders are requested to make sure that they submit all the relevant papers which meet all the above mentioned requirements.**

#### **OFFLINE SUBMISSIONS OF TECHNICAL DOCUMENTS**

The Bidder shall submit following Technical Document offline also.

- 1. All the documents in ORIGINAL, mentioned in “Section-II: Selection and Qualifying Criteria” in Para 3: Qualifying Criteria for Technical Bid i.e. at Sr. No. (a) to (r) along with checklist & page numbering in separate sealed envelope clearly labeled as “TECHNICAL BID” for the Work (Write Name of Work/Project as mentioned in NIT) along with Details of Bidders**

Address, Phone, E-mail on Envelope. **(Do Not Submit document at Sr. No. (s) above, with the document of Offline Submission)**

2. **Originals of EMD and Solvency Certificate (MANDATORY)** in separate sealed envelope clearly labeled as “EMD AND SOLVENCY” for the work (Write Name of Work/Project as mentioned in NIT) along with Details of Bidders Address, Phone, E-mail on Envelope.
- 3) WAPCOS shall open the Technical Proposal as indicated in the advertisement. Financial Bids of successfully qualified bidders shall be opened as per NIT.

***NOTE: All above two envelopes shall be submitted in one single envelope clearly labeled as “Technical Qualification Documents for Offline Submission”*** for the Work (Write Name of Work/Project as mentioned in NIT) along with Details of Bidders Address, Phone, E-mail on Envelope and submit the same on following address.

***The offline submission as mentioned above shall be submitted to WAPCOS address mentioned below as per date & time mentioned otherwise bids are liable to be rejected.***

Chief Engineer,  
WAPCOS Limited,  
406, 4th Floor, Orion Business Park,  
Ghodbunder Rd, Kapurbawdi, Thane  
West, Thane, Maharashtra 400607

#### **4.0 CONTENTS OF FINANCIAL BID**

The Financial Bid should be uploaded separately along with Technical bid before last date & time of submission of Tender Document.

The estimated cost mentioned in NIT is based on the estimate based on the scope of work of the project and also based on DSR provisions and Non-scheduled items as per the standard practice. The bidder shall quote keeping in view all associated costs with the project including any out of pocket / mobilization expenses/ Custom duty (if any), Buildings and other construction workers welfare cess, TDS, taxes, GST if any applicable as per Govt. terms, shall be paid by the Contractor. **The Goods and Services Tax (GST) shall be paid to the contractor as per Govt. norms only on submission of proofs.**

It is mandatory to bidders to deposit GST within time limit framed by Govt. of India, if applicable. The Goods and Services Tax (GST), shall be reimbursed to the Agency only after uploading of bills by Contractor on GST Portal “to avail Input benefit of GST”. The company shall be performing all its duties of deduction of TDS and other deduction on payment made to the contractor as per applicable legislation in force on the date of submission of bid or to be newly / amended introduced during the execution of the Contract.

The quoted rates/amounts shall be deemed to be firm throughout the project till the completion of work and shall not be subject to any adjustment due to increase in price of materials, utilities, taxes, duties etc. or any other input for performance of work and the contract.

The contract may be extended, according to the direction of Project Authority, in this case, the rate quoted by the bidder remains firm and no escalation shall be

applicable for extension. Therefore, it is advised to contractor to quote the rate accordingly.

**Do not submit any Financial bid information at the time of submission of offline submission of technical bid otherwise it will lead to rejection of bid.**

The financial proposal is to be filled by bidder in the attached BOQ format of tender document and after that, same filled PDF file, will be uploaded by bidder at the submission of Financial/Price Bid.

The company reserves the right to waive minor deviations if they do not materially affect the capability of the Tenderer to perform the contract.

#### **5.0 OPENING OF FINANCIAL BID**

**The financial bids of the technically qualified bidders shall be opened at the notified date & time on the GeM portal.**

The company reserves the right to waive minor deviations if they do not materially affect the capability of the Tenderer to perform the contract.

#### **6.0 JOINT VENTURE**

Joint Venture / Consortium / Associations are strictly not accepted/allowed.

#### **7.0 AWARD OF WORK**

**The mode of selection would be on Least Cost Basis i.e. the bidder quoting the lowest financial bid would be awarded the work.**

**For & on behalf of Tenderer**

## **SECTION – III**

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### **GENERAL CONDITIONS OF CONTRACT**

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## **1.0 GENERAL RULES & DIRECTIONS**

The contract shall be based on the schedule of unit rates and prices submitted by the bidder.

The bidder shall fill in rates and prices for all the items of the schedule of works.

The quoted price shall include, but not be limited to, the following activities:

- All investigations work, in particular field work, office work, preparation of reports/ drill logging/ drawings/ sketches/ laboratory testing as indicated in the tender documents, including provision of skilled personal, provision and maintenance of instruments and accessories, supply of all material required for investigations and associated purposes, provision of suitable labor, site preparation etc.
- Mobilization/ demobilization/shifting of instruments/ equipment's from each site or between each location of investigation.
- Restricting or stopping traffic of persons and vehicles near instruments or in sightlines during instrument observations.
- Taking all necessary safety precautions;
- Taking samples as required or directed as per standard practices.
- Making of temporary paths for movement of equipment's etc.
- Any stoppage of works due to any unforeseen reason and weather condition.
- Local issue shall be managed by the contractor in his own cost.
- Recording the Khasra No. of the village, tehsil and district in which geotechnical investigation i.e. drilling of borehole and other tests are to be carried out.

## **2.0 TERMS AND CONDITIONS**

### **Time of Completion**

All investigations work including submission of final report shall be completed within **1 months from the date of award of work, including the period of mobilization.**

In the event of any delay in mobilization of manpower / machineries and completion of work in the specified completion time, a penalty of 0.5 (zero point five) % of the remaining part of the contract value, per week shall be charged subject to the maximum of 10 (ten) % of the contract value. The contract shall stand terminated automatically on accumulation of the maximum amount.

### **Performance Guarantee**

A performance security guarantee of Three (3) % of the total value of the work order shall be payable by the contractor (successful bidder) within seven (7) working days of award of the work in the form of Bank Guarantee in the specified format.

Successful tenderer shall accept the LOA/LOI within 3 days from the receipt of LOA/LOI, failing which the award of work may be liable to be cancelled.

Performance guarantee may be furnished in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's cheque, Bank Guarantee from scheduled/nationalized/commercial banks or online payment in an acceptable form, safeguarding the purchaser's interest in all respects.

Performance guarantee shall remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the bidder or one month from the date of release of final payment whichever is later.

The Bank Guarantee (Performance BG or any other) shall be submitted such that WAPCOS shall seek the confirmation of submitted Bank Guarantee through SFMS as per detail given below:

Indian Overseas Bank  
NHB Gurugram, Branch Code: 1935  
IFSC Code: IOBA0001935  
Beneficiary: WAPCOS Limited

**Acknowledgement Number so generated may be provided along with the BG's.**

The Performance Guarantee shall be refunded to the Agency after 60 days of the successful completion of all activities as per the scope of the work.

### **Security Deposit**

Security Deposit of 5% (Five Percent only) of Contract value will be deducted in each RA bill and will be paid after release of final payment.

### **Variation**

It may be noted that quantities of work given in the schedule has been estimated as realistically as possible, but any variation in the quantities arising may be incorporated, on prior approval of Engineer-in-charge of WAPCOS Limited. There could be addition/deletion of quantities to be executed as and when required during the execution of the works and site conditions (maximum of 10% depends on site conditions). No change in the quoted rate shall be allowed due to changes in the quantities of works actually executed and the quantities given in the schedule of works. No Extra payment shall be made to Contractor by WAPCOS on account of such additions and alterations as enumerated above, provided the item rate remains same.

The variation of quantities is applicable/acceptable only after the approval & payment received by WAPCOS from the Client for the same.

### **Measurement and Payment**

The contractor's works carried out at site shall be got verified by the Engineer-in-Charge for the site.

On receipt of the contractor's statement referred to as above the Site Engineer or his authorized representative shall verify the payment due to the contractor to the extent considered justified after taking into cognizance.

- a) The estimated value of the investigation works executed and checked by the employer's representative upto the end of each milestone.
- b) The total amount certified on previous interim payment certificate.
- c) Deductions if any.

Each payment certificate shall be issued by the Site Engineer or his authorized representative within 7 (seven) days from the date of receipt of contractor's statement, along with relevant field documents, and subsequent verification certificate(s) from the site representative about the accuracy, quantum and relevancy of works as per terms of contract. If any lacuna is observed in the contractor statement, the same shall be intimated to the contractor within 7 (seven) days.

### **Phasing of Payment**

<b>1</b>	On completion of all field activity and submission of field data/ drawings/reports etc.	50 (Fifty) percent of the total contract value.
<b>2</b>	On submission of complete drawings, test results, and report including modifications / revision (if any) of the corresponding total stretch of area as specified in the contract and approval of client.	35 (Thirty-Five) percent of the total contract value.
<b>3</b>	After one month from the date of Acceptance of final report and approval of the same.	15 (Fifteen) percent of the total contract value.

### **Note:**

1. GST payment will be made after submission of proof/ challan.
2. Taxes as applicable shall be deducted at source as per GOI norms.
3. All the payments will be made on Back-to-Back basis as per clause enumerated below.

### **Back-to-Back Payment Clause:**

"The Associate/Sub-consultant/ Sub-Contractor acknowledges that under the present Contract/Agreement/Work Order/Arrangement, WAPCOS is only working as intermediary between Brihanmumbai Municipal Corporation being Principal Employer/Client and Associate/Sub-consultant/Sub-Contractor. Thus, the Associate/Sub-consultant/Sub- Contractor unconditionally acknowledges that the payments under the present Contract/Agreement/Work Order/Arrangement shall be made proportionately by WAPCOS only on back-to-back basis i.e., after 21 days subject to receipt of payment from Brihanmumbai Municipal Corporation being Principal Employer/Client. The Associate/Sub - consultant/Sub-Contractor also unconditionally agree that in the event the payment or part thereof, under the present Contract/Agreement/Work Order/Arrangement is not received from Brihanmumbai Municipal Corporation, then WAPCOS &/or any of its Employee/Officer shall not be responsible to pay any amount to Associate/Sub- consultant/Sub-Contractor. The said condition shall supersede any and all other conditions of Contract/Agreement/Work Order/Arrangement between the parties".

**Programme**

The contractor shall furnish within seven days of the Letter of Award full particular of his programme of field/ home office activity proposed for timely execution of the contract.

**Contractors Superintendence and Obligations**

The contractor shall intimate the employer within 3 (three) days the name of the authorized person with contact number, who will be responsible for field activity and day to day interaction with the employers authorized representative for field activity.

The contractor shall remain fully responsible for the accuracy and relevancy of all the survey field activities and for subsequent processing of field data including generated outputs. Sub-contracting of any part or whole of the works is prohibited and these provisions shall be strictly adhered to. In the event of sub-contracting of any part if detected, the contract shall be liable for termination forthwith without assigning any reason thereafter.

**Insurance**

The contractor shall insure himself against any liability under any workmen compensation ordinance or equivalent prevailing legislation and any modifications thereof which may be put in force by the government during the continuance of the contract.

In the event of any loss or damage suffered in consequence of any accident or injury or disease resulting from his work to any workman or other person in the employment of the contractor, the contractor shall pay compensation to the victims.

The contractor shall in respect of his employees who are employed by him pay rates of wages, observed hours of labour and provide other facilities not less favorable than those required by law.

In case, any delay occurs due to local hindrance the contractor shall mobilize additional man power and equipment/instruments to accelerate the work with a sole intention to compensate the lost time period. The contractor shall not be entitled to any payment on account of any accelerated effort if required to complete the work within the stipulated time period and is deemed to have included in the quoted prices.

The contractor shall submit daily progress report to WAPCOS site engineer. The contractor shall equip their site in charge with a mobile phone to facilitate communication and control over work progress.

No compensation of any kind on account of jungle clearance/ objection by local officials/ stoppage of work by local people/ damage to cultivated fields etc. during the course of field investigation shall be entertained by WAPCOS at any stage.

## **Arbitration**

“Any dispute, controversy or claims arising out of or relating to the work or the breach, termination or invalidity thereof, shall be settled through following mechanism:

- a) Firstly, the aggrieved party shall write a letter to the other party detailing its grievances and calling upon the other party to amicably resolve the dispute by convening a joint meeting. Accordingly, the parties as per their convenience shall jointly convene the said meeting(s), wherein minutes of the said meeting(s) shall be prepared and countersigned by all the parties. It is mandatory to prepare minutes of meeting(s) and to be countersigned by all the parties, irrespective of the outcome of the said meeting(s).
- b) In the event the parties are unable to reach on any settlement in the said meeting(s), then the aggrieved party shall mandatory resort to pre-litigation mediation mechanism with Delhi High Court Mediation Cell, New Delhi.
- c) It is only upon failure of the pre-litigation mediation mechanism with Delhi High Court Mediation Cell, then the aggrieved party shall resort to resolution of disputes through arbitration of a Sole Arbitrator. The appointing authority of Sole Arbitrator is CMD, WAPCOS Limited, to which neither of the parties have any objection nor they shall ever object.
- d) Subject to the parties agreeing otherwise, the Arbitration proceedings shall be conducted in accordance with the provisions of the Indian Arbitration and Conciliation Act, 1996 (amended as on date).
- e) It is also acknowledged and accepted that WAPCOS is only working as Intermediary between the Associate/Sub-Consultant/Sub-Contractor and the Principal Employer/Client, thus in the event, any dispute arises under the present agreement and referred to Arbitration for adjudication, then subject to corresponding clause in the Contract/Agreement/Work Order/Arrangement between Principal Employer/Client & WAPCOS, Principal Employer/Client shall also be made party to the said Arbitration proceedings. Also, the award including costs if any passed against WAPCOS and costs incurred in the proceedings shall be the sole responsibility of Principal Employer/Client. The said clause if found inapplicable, even then the other terms of the Arbitration Clause shall survive and shall be acted upon.
- f) The place/seat of arbitration shall be Delhi and any award whether interim or final, shall be made, and shall be deemed for all purposes between the parties to be made, in Delhi. The arbitral procedure shall be conducted in English language and any award or awards shall be rendered in English. The procedural law of the arbitration shall be Indian Law. The award of the arbitrator shall be final and conclusive and binding upon the Parties.
- g) The Contract and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with the laws of India and the Parties submit to sole & exclusive jurisdiction of courts at Delhi.”

## **Other Terms and Conditions**

- i) The Contractor will strictly comply with all the provisions of the Forest Conservation Act 1980. Under no circumstances any tree should be cut or destroyed in the vicinity of the project area. Adequate fuel should be supplied to the laborers so as to prevent them from damaging the forest.
- ii) The agency will arrange all the explosives required to carry out the job at its own risk and cost. The statutory clearance / requirement in this regard shall strictly be complied as per the provisions of the Explosives Act. However, necessary assistance required in the matter shall be provided at our end.
- iii) The agency has to make all arrangements to provide necessary accommodation / shelter to all its employees at their own cost.
- iv) The Contractor shall be responsible to take all precautions to ensure safety of the public and his own personnel. Further, you will also be required to take following insurances at your own cost.
  - Third party liability insurance.
  - Worker's compensation insurance in respect of contractor's personnel.
  - Any other insurance for public & contractor's personnel in accordance with the relevant provisions of the applicable land.
- v) The agency shall comply with the provisions of the following acts:
  - Contract labour (Regulation & Abolition) Act 1970
  - Employees Provident Fund Act, 1952
  - Minimum Wages Act, 1948 (Amended)
  - Employer's Liability Act, 1938 (Amended)
  - Industrial Employment Act, 1946 (Amended)
  - Personnel Injuries (Compensation Insurance) Act, 1963 (Amended)
- h) The Contractor shall not employ any laborer below 18 years.

### **3.0 LIQUIDITY DAMAGES**

If the bidder fails to complete the job assigned to them as per the scope of the work in the given time mentioned under progress Schedule, he is liable for compensation. He shall, without prejudice to any other right or remedy be liable for compensation @ 0.5% of the remaining part of the contract value per week or such smaller amount as may be fixed by accepting authority on the contract value subjected to a maximum of 10%.

The amount of compensation may be adjusted or set off against any sum payable to the bidder under this or any other contract with the Client.

The Engineer In charge shall keep a watch as to whether the actual physical progress of works is as per the progress schedule and in case the Bidder defaults in achieving progress on works at intermediate stage as per this schedule and continue to do so even after one month after a notice in writing from the Engineer In charge, the Bidder will render himself liable to action as provided above.

### **4.0 FORCE MAJEURE**

Force Majeure is herein defined as any cause, which is beyond the control of the Agency or WAPCOS/Client as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the Contract, such as:

- a. Natural Phenomenon, including but not limited to floods, droughts earthquakes and epidemics/ Pandemics (i.e. Covid-19 etc.).
- b. Acts of any government, including but not limited to war, declared or undeclared priorities, quarantines and embargos.
- c. Terrorist attack, public unrest in work area provided either party shall within 10 days form occurrence of such a cause, notifies the other in writing of such cause. The Agency or WAPCOS/Client shall not be liable for delay in performing his/her obligations resulting from any force majeure cause as referred to and/his/her obligations resulting from any force majeure cause as referred to and / or defined above. Any delay beyond 30 days shall lead to termination of contract by parties and all obligations expressed quantitatively shall be calculated as on date of termination. Notwithstanding this, provisions relating to indemnity, confidentiality survive termination of the Contract.

Force Majeure shall not include any events caused due to acts/omissions of such party or result from a breach/contravention of any of the terms of the Contract, Proposal and/or the Tender. It shall also not include any default on the part of a party due to its negligence or failure to implement the stipulated/proposed precautions, as were required to be taken under the contract. The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen, or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred. In such an event, the affected party shall inform the other party in writing five days of the occurrence of such event. The WAPCOS/Client will make the payments due for services rendered till the occurrence of Force Majeure. However, any failure or lapse on the part of the consultant in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above-mentioned events or the failure to provide adequate disaster management/recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.

In case of a Force Majeure all parties will endeavor to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the contract and to minimize any adverse consequences of Force Majeure.

## **5.0 Termination of Contract and payment upon Termination**

### **5.1 Termination of Agreement for failure to commence Services:**

If the Agency does not commence the Services within the 14 days period after award of the works, WAPCOS may, by not less than 2 (two) weeks' notice to the Agency, declare this Agreement to be null and void. If the services of the Agency are not found satisfactory, the Contract can be terminated without citing any reason & set the work done at the risk and cost of the Bidder.

### **5.2 Payment upon Termination**

Upon termination of this Agreement, WAPCOS shall make the only payments to the Agency corresponding to the completion of stage of deliverables successfully achieved (after offsetting against these payments any amount that may be due from the Agency to WAPCOS). No payment whatsoever for incomplete stage of work shall be made to Agency.

## **6.0 Blacklisting policy**

Bidder should not be blacklisted/ debarred by any government /semi government department/ PSU in the last 5 years. Bidders shall give undertaking for not being involved in any form of corrupt and fraudulent practices.

**“The Blacklisting Policy of the company is available on official website of WAPCOS Limited. The bidder/tenderer/consultant/contractors have to mandatorily furnish an undertaking addressing the same to Engineer-in-Charge in the form of certificate to abide the contents of Blacklisting Policy. The format of undertaking is provided at Form-D. Any action in violation of the Blacklisting Policy or to the certificate furnished shall result in cancellation of tender at the stage before or after the award of work.”**

## **7.0 Make in India**

### **Public Procurement (Preference to Make in India)**

The bidder must comply with Order Nos. P-45021/112/2020-PP (BE-II)(E-43780) dated 24.08.2020, 28.08.2020, and 31.08.2020 and also Make in India Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India and any amendments thereon. The details available on ministry website.

Self-certification that the item offered meets the minimum local content of 50% giving details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the make in India policy, if applicable.

In cases of procurement for a value in excess of ₹10crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content to avail the benefits under the make in India policy, if applicable.

Government has issued Public Procurement (Preference to Make in India) [PPP-MII] Order 2017 vide the Department for Promotion of Industry and Internal Trade (DPIIT) Order No.P45021/2/2017-B.E.-II dated 15.06.2017 and subsequent revisions vide Order No.45021/2/2017PP(BE-II) dated 28.05.2018, 29.05.2019, 04.06.2020 and 16.09.2020 to encourage 'Make in India' and to promote manufacturing and production of goods, services and works in India with a view to enhancing income and employment. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017. The salient features of the aforesaid Order are as under:

The Order is applicable for procurement by Ministry / Department / attached / subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.

In procurement of all goods, services or works in respect of which the Nodal Ministry/ Department has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier', as defined under the Order, shall be eligible to bid irrespective of purchase value.

The margin of purchase preference shall be 20%. 'margin of purchase preference' means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

Ministry of Electronics and Information Technology is the Nodal Ministry for

implementation of the Electronic Product Notifications issued in furtherance of PPP-MII Order 2017.

Classes of Local Suppliers based on local content as per the revised PPP-MII Order dated 04.06.2020 issued by the Department for Promotion of Industry and Internal Trade (DPIIT) are as under:

- Class-I Local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%.
- Class-II Local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%.
- Non-Local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%.
- Only 'Class-I local supplier' and 'Class-II local supplier' shall be eligible to bid in procurement of all goods, services or works, and with estimated value of purchases less than Rs. 200 crore.

#### **8.0 Provision as per Rule 144(xi) of GFR**

F.NO.6/18/2019-PPD Ministry of Finance Department of Expenditure Public Procurement Division 161, North Block, New Delhi 23rd July, 2020 Office Memorandum Subject: Insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017 Rule 144 of the General Financial Rules 2017 entitled 'Fundamental principles of public buying', has been amended by inserting sub-rule (xi) as under:

***Notwithstanding anything contained in these Rules, Department of Expenditure may, by order in writing, impose restrictions, including prior registration and/or screening, on procurement from bidders from a country or countries, or a class of countries, on grounds of defence of India, or matters directly or indirectly related thereto including national security; no procurement shall be made in violation of such restrictions.***

The order available on the Ministry of Finance Department of Expenditure Public Procurement Division website.

#### **9.0 Penalty Clause**

The penalty shall be imposed on the bidder if it is imposed by the Principal Client (BMC) on WAPCOS due to the delay in completion of works or related reasons.

**SECTION IV**

**SCOPE OF WORK & TECHNICAL SPECIFICATIONS**

## **SECTION IV**

### **SCOPE OF WORK & TECHNICAL SPECIFICATIONS (GEOTECHNICAL INVESTIGATION)**

#### **1.0 SCOPE OF WORK**

The brief scope of work for conducting Geotechnical Investigations includes but not limited to the following:

- a) Mobilization and demobilization of equipment & personnel for soil investigation work at various locations including shifting from one test location to other test locations.
- b) Taking Trial Bore for detailed investigation with NX diamond drill double tube in all sort of soil like soft murum, hard murum, boulders including all materials, as per instruction of Engineer- in- charge
- c) Preserving the core sample in core box of MS of Size 1.25 mx 0.35m x0.15 m.
- d) Conducting standard Penetration tests and collection of disturbed, undisturbed soil samples from boreholes.
- e) Carrying out water intake test/permeability test.
- f) Recording water table in the boreholes.
- g) Laboratory tests on soil and water samples collected from boreholes.
- h) Submission of draft geotechnical investigation reports for review/comments of the Owner/Client.
- i) Preparation and submission of soil reports (2 nos. draft copies and 3 nos. hard bound final reports with 2 nos. soft copies).
- j) Any other tests/works not specifically mentioned in this document but are required to fully assess the engineering properties of the soil to the satisfaction of the Owner/ Client, Brihanmumbai Municipal Corporation.
- k) It may be noted that there may be substantial variation in BOQ mentioned in the Annexure A, however, actual payment will be made based on the verified quantities by the site engineer of WAPCOS upto a maximum  $\pm 20\%$  quantities of work and unit rate for the same.

#### **2.0 CODES AND STANDARDS**

- 2.1** All standards, specification and codes of practice referred to herein shall be the latest editions including all applicable official amendments and revisions.
- 2.2** In case of conflict between this specification and those (IS codes and standards etc.) referred to herein, the former shall prevail.
- 2.3** All work shall be carried out as per the specification and the following standards and codes.

IS: 1080	Code of practice for design and construction of simple spread foundation
IS: 1498	Classification and identification of soils for general engineering purposes

<b>IS: 1892</b>	<b>Code of practice for subsurface Investigation for foundation</b>
IS: 1904	Code of practice for design and construction of foundations in soils: General requirements
IS: 2131	Method of standard penetration test for soils
IS: 2132	Code of practice for thin walled tube sampling of soils
IS: 2720	Method of test for soils (Relevant parts)
IS: 2911	Code of practice for design and construction of pile foundations (Relevant parts)
IS: 2950 Part-I	Code of practice for design and construction of Raft Foundation
IS: 3025	Methods of Sampling and Testing (Physical and Chemical) for Water used in Industry
IS: 6403	Code of Practice for Determination of Allowable Bearing Pressure On Foundations
IS: 6935	Method of Determination of Water Level in a Bore Hole
IS: 8009 Part-I	Code of practice for calculation of settlement of foundation subjected to symmetrical vertical loads – Shallow Foundations
IS: 8009 Part-II	Code of practice for calculation of settlement of foundation subjected to symmetrical vertical loads – Deep Foundations

### **3.0 MOBILIZATION AND DEMOBILIZATION OF EQUIPMENT & PERSONNEL**

Mobilization of equipment/tools & tackles and personnel at all test locations including demobilization after completion of all types of field tests as per specifications, drawings and direction of Engineer-in-Charge. No separate payment shall be paid for mobilization & demobilization. Cost for this activity shall be built in quoted rates of different items.

### **4.0 FIELD INVESTIGATION**

#### **4.1 Boring in Soil**

Boring shall be carried out in accordance with the provision of BS 5930/ IS 1892 or equivalent. Minimum diameter of boring shall be 50 mm. boreholes shall be advanced by mechanical auger/shell and auger and/or Rotary Drilling with mud circulation through all kinds of soil other than rock. While boring above water table, no water shall be introduced in the boreholes. Casing shall be used to support the sides of boreholes in soft to firm soils. Any other proposed method of boring other than the specified above method may be acceptable in case found suitable for the type of soils encountered at site.

Use of chisel, percussion drilling with NX size may be permitted exclusively in strata having SPT-N greater than 100 blows per 30cm penetration and as per direction of Engineer-in charge.

The depth of ground water table shall be measured in all the boreholes. Before taking the water table readings, the water table in the borehole shall be allowed to stabilize after depressing the water level adequately by bailing. The water table reading shall be recorded after 24 hours of completion of borehole.

#### **4.2 Drilling in rock**

Drilling in rock may be done when SPT refusal is obtained in hard strata and/or rock is encountered. [Refusal is defined as and when 'N' value is 100 or more for 30 cm or part penetration]. Drilling in rock shall be done for a maximum of 3.0 m and as directed by Engineer-in-Charge. The 'drilling' shall be done as specified in IS: 1892 and other relevant BIS codes (Latest Version).

Drilling shall be carried out in such a manner that maximum core is recovered. This requires close surveillance of wash water, drilling pressures, lengths of runs etc. The drill bit shall be withdrawn and the core removed as often as may be necessary to secure the maximum possible amount of core. It shall ensure that drilling is carried out with necessary skill and expertise.

#### **4.3 Standard Penetration Test (SPT)**

This test shall be conducted in all types of soil deposits met within the bore hole to find the variation in the soil stratification by correlating with the number of blows required for unit penetration of a standard penetrometer. This test shall be conducted at every 1.5 m interval alternate to collection of UDS up to 06 m depth below ground level and at every 3.0 m interval alternate to collection of UDS beyond 06 m depth, at every change of strata, at depths wherever undisturbed soil samples could not be collected and as per the directions of the engineer-in-charge. The starting depth of performing SPT shall be 1m below ground level unless otherwise specified. The depth interval between the top level of standard penetration test and to that of (next) undisturbed sampling shall not be less than 0.5m. The specification for equipment and other accessories, procedure for conducting the test, presentation of test results and collection of disturbed soil samples etc shall conform to IS: 2131.

This test shall be carried out by driving a standard split spoon sampler in the borehole by means of a 63.5 kg hammer having a free fall of 0.75m. The sampler shall be driven using the hammer for 450 mm penetration. While driving, the number of blows for every 150 mm penetration and the penetration for every 50 blows shall be recorded. The number of blows for the last 300 mm drive shall be reported as 'N' value. This test shall be discontinued when the blow count is equal to 100 and the penetration shall be recorded. Refusal shall be considered to be met with when the blow count is equal to 100. At the location where the test is discontinued, the penetration and the corresponding number of blows shall be reported. Sufficient quantity of disturbed soil samples shall be collected from the split spoon sampler for identification and laboratory testing. The samples shall be visually classified & recorded at the site and shall be properly preserved and labeled for future identification & testing.

## **4.4 Sampling**

### **4.4.1 General**

- a. Sufficient number of soil samples shall be collected for reliable estimation of soil properties. The samples collected shall be either disturbed or undisturbed. Disturbed soil samples shall be collected for field identification and conducting laboratory tests such as sieve analysis, index properties, specific gravity, chemical analysis etc. Undisturbed samples shall be collected to estimate physical, strength and settlement properties of the soil.
- b. All the accessories required for sampling and the method of sampling shall conform to IS: 2132. All disturbed and undisturbed samples collected in the field shall be classified at site as per IS: 1498.
- c. All the samples shall be identified with date, bore hole number, depth of sampling etc. It is also essential to mark an arrow pointing towards the top surface of the undisturbed sample as the soil was in-situ. Care shall be taken to keep the undisturbed soil samples and box samples vertically with the arrow directing upwards. The tube samples shall be properly trimmed at both ends and suitably sealed with molten paraffin wax at both ends immediately after extracting the samples from the bore hole/trial pit and suitably capped on both sides.
- d. When the contractor fails to collect undisturbed soil sample at a specified depth, the borehole shall be advanced by 0.50m and shall be performed with a standard penetration test. The reason for not obtaining the undisturbed soil sample shall be indicated in the bore log.
- e. Precaution shall be taken to ensure that there shall not be any change in moisture content and disturbance of the soil samples and they shall be placed in a temporary store at the end of the day's work. All the samples shall be kept over a bed of sand, jute bags, saw dust etc and covered over the top with similar material. The bed and top cover shall be kept moist till they are properly packed in wooden boxes. The contractor shall be responsible for packing and transporting of all the samples from site to the laboratory within seven days after sampling with proper protection against loss and damage

### **4.4.2 Disturbed Samples**

- a. Disturbed soil samples shall be collected from cuttings and from split spoon sampler in boreholes at regular intervals to provide complete description of soil profile and its variation. The samples shall be immediately stored in airtight jars or polythene bags and labelled with borehole/trial pit number and depth.
- b. In elevated areas, if superficial material is available in plenty, then bulk samples from a depth of about 0.5m below ground level shall be collected to establish all required properties to use it as a fill material. Disturbed samples weighing about 250N shall be collected at shallow depths and immediately stored in polythene bags as per IS: 1892. The bags shall be sealed properly and shall be kept in wooden boxes.

### **4.4.3 Undisturbed Samples**

Undisturbed samples of 50 mm diameter shall be collected in clayey strata from all boreholes at intervals of 3.0m in depth or at every change of stratum whichever occurs earlier starting first UDS at 2.5m depth below existing ground level in soft to stiff clayey soil.

In adjacent boreholes depth of sample collections shall be staggered to cater for full layer. The area ratio of the sampling tubes shall not exceed 20%. In soft deposits, piston sampler shall be used to collect UDS. Quoted rates shall include transport of samples to the laboratory. Care shall be taken to minimize sample disturbance while collection of samples. Samples shall be collected preferably by pushing the sampler. Driving by hammer above ground level (like SPT) is not acceptable. However, for stiff/hard soil a sliding hammer can be used for driving the sampler at sampler head. In one borehole maximum four UDS samples should be collected.

#### **4.4.4 Core samples of rock**

Cores of rock shall be taken as specified in IS: 1892 and other relevant BIS Codes. For each run, Core Recovery and Rock Quality Designation (RQD) shall be noted carefully, immediately after cores are taken out of the barrel. The cores, arranged in core boxes, shall be submitted to the Engineer –in-charge, on submission of the report.

#### **4.5 Ground Water**

One of the following methods shall be adopted for determining the ground water table in bore holes as per IS: 6935 and as per the instructions of the engineer-in- charge.

- a. In permeable soils, the water level in borehole shall be allowed to stabilize after lowering it adequately by bailing. When water level inside the borehole is found to be stable, the depth of water level below ground level shall be measured. Stability of sides and bottom of the borehole shall be ensured at all times.
- b. For both permeable and impermeable soils, the following method shall be suitable. The borehole shall be filled with water and then bailed out to various depths. Observation on the rise or fall of water level shall be made at each depth. The level at which neither a fall nor a rise is observed shall be considered as the water table elevation. This shall be established by three successive readings of water level taken at an interval of two hours.

### **5.0 AUGER BORE HOLES**

#### **5.1 Drilling Bore Holes**

In soils, boreholes of diameter 100mm to 150mm were drilled with the help of a posthole auger. Any loose soil was carefully removed from the bottom of the borehole so that the penetration test may be performed on an undisturbed surface of strata. Water table was recorded in each borehole, if met.

#### **5.2 Sampling**

The soil that was removed during drilling of boreholes was continuously examined and recorded for sign of change in the soil stratification a change in soil type is observed. The samples were collected for testing in the laboratory. Disturbed soil samples were collected during drilling operation as also from SPT tube. Undisturbed soil samples were collected at required depths in thin wall sampler tubes according to IS 2132.

Samples collected after refusal ( $N > 100$ ) are disturbed samples.

Sampling tubes were waxed and sealed at both ends and carefully labeled and transported to laboratory for testing.

### **5.3 Standard Penetration Test**

The Standard Penetration Test should be conducted in boreholes (in soil) following the standard procedure as per IS 2131 which specifies the procedure for conducting SPT for soils. The test has to be carried out using the standard split spoon sampler to measure the number of blows 'N'.

Standard split spoon sampler was attached to an 'A' rod. It was driven into the soil to a distance of 45 cm using a standard hammer of 63.5 kg falling freely from a height of 75 cm to the required depth. While driving, the number of blows required to penetrate every 15 cm are recorded. The total number of blows required for the last 30 cm is taken as 'N' value at that particular depth of the borehole. This value is then used for calculating the allowable bearing pressure of the soil.

## **6.0 LABORATORY TESTS**

The laboratory tests shall essentially comprise of, but not limited to the following:

### **6.1 Grain Size Distribution**

Wherever applicable both the sieve and hydrometer analysis shall be conducted to indicate complete range of grain sizes of soil samples tested.

### **6.2 Atterberg's Limits**

Wherever applicable, these tests shall be carried out by the skilled personnel. The test result should include liquid limit, plastic limit and shrinkage limit of the soil samples tested. These tests should be conducted as per IS: 2720 Part V & VI.

### **6.3 Consolidation Tests**

The tests shall be conducted for vertical drainage only. The following loading stages shall be employed:

0.1, 0.25, 0.50, 1.0, 2.0, 4.0, 8.0 kg/cm<sup>2</sup>

From  $e$  Vs  $\log p$  curves, pre-consolidation pressure shall be determined to establish whether the soil is normally consolidated or over-consolidated. The point ( $e$ ,  $p$ ) showing initial condition of the soil under test must be specifically marked on the consolidation curves. Cycle(s) of loading, unloading and reloading shall be applied. The field virgin compression curve shall be established. Settlement predictions based on the field virgin compression curve shall only be acceptable. The procedure adopted in respect of obtaining compression indices from the field curve and that for computing settlements for the type of soil under consideration shall be clearly illustrated in the report. It is to be noted that deviations from the standard procedure of performing consolidation tests given in IS: 2720 Part XV are permissible in order to enable computation of settlements based on the above procedure.

The following curves shall be included in the report:

1.  $e$  Vs  $\log p$
2.  $e$  Vs  $p$
3. Compression  $v/s \log (t)$  or compression vs. square root ' $t$ '

The choice of relationship depends upon the shape of the plot, which enables, clear determination of  $c_v$ , the coefficient of consolidation. The time period required for 50% & 90% primary consolidation shall be given in the report.  $p_c$  (pre-consolidation pressure) shall be clearly indicated in the  $e$ - $\log p$  curve. Values of  $m_v$  and  $c_v$  shall be furnished for different pressure ranges including the values of  $e_o$ ,  $C_c$  &  $p_c$  in tabular form. Computation of secondary settlements, if significant, shall also be made and included in the report.

#### **6.4 Triaxial Tests**

These tests shall be done on specimen saturated by the application of backpressure. Only if the water table is at sufficient depth so that chances of its rising to the base of the footing are meager or nil, the triaxial tests shall be performed on specimens at natural moisture content. The magnitude of the backpressure applied shall be indicated in the report. Unconsolidated undrained/Consolidated undrained tests shall be carried out on the respective soil samples collected.

All the stress-strain diagrams as well as Mohr's circle envelopes shall be included in the report. Density and water content of the sample tested and modulus of elasticity along with shear strength parameters shall be reported.

Relevant corrections applied to the computed ' $E$ ' shall be clearly illustrated in the report.

In case the soils are predominantly sandy in nature and sampling is not possible for triaxial shear tests, box shear tests shall be carried out.

#### **6.5 Free Swell Index**

Wherever applicable, these tests shall be conducted on the selected soil samples collected from boreholes/trial pits from different depths, as per relevant IS codes (latest edition).

Other tests that are required as mentioned in **Annex-B** shall be conducted on the selected soil samples collected from boreholes/trial pits from different depths, as per relevant IS codes (latest edition).

### **7.0 REPORT / DELIVERABLES**

Detailed report shall be prepared and submitted upon completion of field and laboratory investigation works in a draft form to Owner/Client. Comments if any, on the same shall be duly incorporated in the final report. The report shall include but not limited to the following:

1. A plot plan showing all test locations. The co-ordinates of test locations shall be given in a tabular form in the report.
2. General geological information of the region.
3. Character and genesis of soil.
4. Procedure of investigation and method of various testing adopted.
5. Detailed bore logs indicating co-ordinates, reduced level, ground water table etc., subsoil profiles along various sections indicating boreholes nos., depth wise in-situ test results like SPT and other lab test results etc.

6. All field and laboratory test results shall be plotted against depth in the bore log and also in tabular form.
7. Summary of results obtained from various tests and their interpretation to evaluate various soil parameters along with all literature backup.
8. A set of longitudinal and transverse soil profile connecting various boreholes shall be presented in order to show the variation of soil stratum.
9. Recommendation regarding ground water table fluctuation and design ground water table to be considered for design of foundations.
10. Pile foundation wherever envisaged on account of filling, poor sub-soil conditions and/or loading/functional requirements, type of pile, diameter, depth of pile and safe capacities of pile in all three modes shall be furnished in the report along with back up calculations.
11. Comments on chemical nature of ground water and soil with due regard to potential deleterious effect on concrete and steel and firm recommendations on protective measures. Also remedial measures for any sulphate attack or detrimental acidic conditions shall be dealt in detail giving clear practical recommendations.
12. Recommendation for ground improvement and type of ground improvement techniques applicable to improve bearing capacity within permissible settlement.
13. Recommendations for special soil conditions such as expansive, collapsible, highly compressible etc.
14. All calculations, recommended design parameters and measurements shall be reported in SI units.
15. All recommendations furnished in the report shall be supported by detailed back-up calculations. Extract of relevant parts of the references/literature used in firming up the recommendation shall be appended in the geotechnical report.

## **SECTION V**

### **FORMS**

**LETTER OF TRANSMITTAL**  
**(on Bidder Original Letter Head)**

To,  
Chief Engineer  
WAPCOS Limited, Thane

**Sub: Conducting Geotechnical Investigations for Pise weir Project on River Bhatsa,  
Bhiwandi, Thane, Maharashtra**

NIT No: -

Dear Sir,

- i) I/We downloaded /obtained the tender document(s) for the above mentioned Tender/Work from the website namely: \_\_\_\_\_ as per your advertisement.
- ii) I/We hereby certify I/We hereby certify that I/We have read the entire Terms & Conditions of the Tender Documents (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I/We shall abide hereby the terms/conditions/clauses contained therein.
- iii) The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting this acceptance letter
- iv) I/We hereby unconditionally accept the tender condition of above mentioned tender document(s)/corrigendum(s) in its totality/entirety
- v) In case any provisions of this tender are found violated, then your department / organization shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said Earnest Money Deposit absolutely.

Yours faithfully,

(Signature, name  
and  
designation of the  
Authorized signatory)

**Date:**

**Place:**

**Name and seal of Bidder**

**FORM-A**  
**FINANCIAL INFORMATION**

[To be submitted on Original Letter Head of Bidder or Original Letter Head of CA]

1. Financial Analysis: Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last Five years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Years	Gross Annual turnover	Profit/Loss (After Tax)
2019-2020		
2020-2021		
2021-2022		
2022-2023		
2023-2024		

2. Financial arrangements for carrying out the proposed work: It is hereby declared that ----- (Name of firm with address) has enough financial resources to execute the proposed work.

Unique Document Identification Number (UDIN) .....

**Signature of Chartered Accountant (with Seal)**

**Signature of Bidder(s) (with Seal)**

**Note: (i) Original Signature with Stamp of CA is Mandatory. Copy will not be entertained.**

**(ii) Yearly financial Turnover and Audited Balance Sheet for Last 5 (Five) years ending on the financial year 2023-2024 duly certified by Chartered Accountant should be attached.**

**(iii) The date of certificate shall not be older than one month of the date of submission of the bid.**

**FORM - B**

**STATEMENT OF SIMILAR WORKS AS IN ELIGIBILITY CRITERIA**  
**EXECUTED/COMPLETED**  
**DURING THE LAST 7 YEARS OR PRESENT FINANCIAL YEAR**

Name of work	Allotment / award No & date	Name & address of client who awarded (Including Tele/Fax No.	Contract value in Rs. Original/ revised	Date of award of work	Date of completion original /revised	Actual date of comp	Comp. cost	Type of work	Remarks explaining reasons for delay in work completion if any
1	2	3	4	5	6	7	8	9	10

**NOTE:**

1) The Tenderer should provide information as per this Performa for the firm/company for all completed similar works as per eligibility criteria's works during last 7 years.

2) Certificate from client for the above information should be attached with the offer.

### FORM - C STRUCTURE & ORGANISATION

S.No.	Particulars	Details Submitted
1.	Name & address of the bidder	
2.	Telephone no./Telex no./Fax no.	
3.	Legal status of the bidder (attach copies of original document defining the legal status) (a) A proprietary firm (b) A partnership firm (c) A limited company or Corporation (d) A Company registered under company's Act 1956/2013	
4.	Particulars of registration with various Government	
	Organization/Place of Registration 1. 2. 3.	Registration No.
5.	Names and titles of Directors & Officers with designation to be concerned with this work.	
6.	Designation of individuals authorized to act for the	
7.	Has the bidder, or any constituent partner in case of partnership firm Limited Company/ Joint Venture, ever been convicted by the court of law? If so, give details.	
8.	In which field of Civil Engineering construction the bidder has specialization and interest?	
9.	Any other information considered necessary but not	
10.	Copy of Bank Account / cancelled cheque copy	

**Signature of Bidder(s)**

## FORM-D

FORMAT OF UNDERTAKING TO BE FURNISHED ON COMPANY LETTER HEAD WITH REGARD  
TO BLACKLISTING/NON-DEBARMENT, BY CONTRACTING AGENCY

### UNDERTAKING REGARDING BLACKLISTING / NON-DEBARMENT

**Name of Work:**

**Ref: Tender No.....Dated.....**

To  
Chief Engineer  
WAPCOS Limited, Thane

**Subject: No-Conviction Certificate for ----- (Name of the work / project)**

Dear sir,

This is to certify that we have taken the cognizance of Blacklisting Policy of WAPCOS Limited. Further, we hereby confirm and declare that we, M/s.\_\_\_\_\_ is not blacklisted/De-registered/debarred by any government department/Public Sector Undertaking/Private Sector/or any other agency for which we have Executed/Undertaken the works /Services during the last5 years.

Yours faithfully,

(Signature, name  
and  
designation of the  
Authorized signatory)

Date:

Place:

## **FORM-E**

### **FORMAT FOR UNDERSTANDING THE PROJECT SITE**

[To be submitted on Bidder's Original Letter Head]

- A. I/We hereby solemnly declare that I/We have visited the site of work and have familiarized myself/ourselves of the working conditions there in all respects and in particular, the following: -
- a). Topography of the Area.
  - b). Soil & rock conditions at the site of work.
  - c). Sources & availability and other making of bore holes.
  - d). Availability of local labour, both skilled and unskilled and the prevailing labour rates.
  - g). Availability of water & electricity.
  - e). The existing roads and access to the site of work.
  - i). Availability of space for putting labour camps, Offices, stores, Explosive magazine, godown, Engineering yard etc.
  - j). Climatic condition and availability of working days
  - k). Law & Order, Security & Working conditions.
  - l). Methodology to be adopted for successful completion of work.
  - m). Working hours and shifts for completing the work as per tender conditions.
- B. I/We have kept myself/ourselves fully informed of the provisions of this tender document comprising NIT, General Information, Form of Bid, Instructions to the Tenderer & Appendices, General Conditions of the Contract, Special Conditions of Contract, and Specifications, Annexure and Statement of advertised Quantities apart from information conveyed to me/ us through various other provisions in this tender document.
- C. I/We have quoted my/ our rates for each of the items in "Schedule of Items, Statement of

I / We hereby submit our BID considering above all facts gathered during site visit and each & every aspect have been considered. Advertised Quantities taking into account all the factors given above and elsewhere in tender document.

Yours faithfully,

(Signature, name and  
designation of the  
Authorized signatory)

Date:

Place:

**Name and seal of Bidder**

**FORM-F**  
**FORMAT FOR NO DEVIATION CERTIFICATE**  
**[To be submitted on Bidder's Original Letter Head]**

To  
Chief Engineer  
WAPCOS Limited, Thane

**Subject: No Deviation Certificate for ----- (name of Work /Project)**

Dear Sir,

With reference to above this is to confirm that as per Tender conditions we have visited site before submission of our Offer and noted the job content and site condition etc. We also confirm that we have not changed/modified the abovetender document and in case of observance of the same at any stage it shall be treated as null and void.

We hereby also confirm that we have not taken any deviation from Tender Clause together with other reference as enumerated in the above referred Notice Inviting Tender and we hereby convey our unconditional acceptance to all terms & conditions as stipulated in the Tender Document.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null and void.

Yours faithfully,

Date:

Signature, name and designation  
of the Authorized signatory)

Place:

**Name and seal of Bidder**

**FORM-G**  
**FORMAT FOR INTEGRITY PACT**  
**[To be submitted on Bidder's Original Letter Head]**

To,  
**WAPCOS Limited,**  
**76-C, Sector-18**  
**Gurgaon – 122015, Haryana**

**Sub: Integrity Pact for -----(Name of Work /Project)**

Dear Sir,

I/We acknowledge that WAPCOS is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document at **Enclosure-I.**

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by WAPCOS. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, WAPCOS shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully,

(Signature, name  
and designation of the  
Authorized signatory)

Date:

Place:

**Name and seal of Bidder**

**INTEGRITY AGREEMENT**  
**[To be submitted on Stamp paper of At least Rs.100]**

This Integrity Agreement is made at ..... on this ..... day of ..... 20.....

**BETWEEN**

WAPCOS Ltd. Here in after referred to as "The Principal" (which expression, unless repugnant to the context thereof, shall mean and include its legal representatives, heirs and assigns)

**AND**

.....hereinafter referred to as "The Bidder/Contractor" (which expression, unless repugnant to the context thereof, shall mean and include its legal representatives, heirs and assigns)

**Preamble**

The Principal intends to award, under laid down organizational procedures, contract(s) for ..... (Name of the contract) (hereinafter referred to as the 'Project'). The Principal necessarily requires full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the Integrity Pact by all parties concerned, for all works covered in the Project.

To meet the purpose aforesaid both the parties have agreed to comply this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

**Section 1 - Commitments of the Principal**

**Obligations on Principal**

The Employer is committed to follow the principle of Transparency, Equity and Competitiveness in Public Procurement.

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -

- a) No employee of the Principal, personally or through family members or through any other channel, will in connection with the tender for or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or

**Signature of Tenderer**

**Signature of WAPCOS**

immaterial benefit, which the person is not legally entitled to.

- b) The Principal will, during the tender process treat all Contractor(s) /Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Contractor(s) /Bidder(s) the same information and will not provide to any Contractor(s)/Bidder(s), confidential/additional information through which the Contractor(s)/Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- c) The Principal will exclude from the process all known prejudiced persons. The Principal shall obtain bids from only those parties who have been short-listed or pre-qualified or through a process of open advertisement/web publishing or any combination thereof.

(2) If the Principal obtains information on the conduct of any of its employees, Contractor(s) and/or Bidder(s), which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer or the principal will take remedial actions as per department/conduct rules and subject to its discretion, can additionally initiate disciplinary actions.

(3) The Principal will enter into agreements with identical conditions with all Contractor(s)/Bidder(s) for the different Work Packages in the aforesaid Project.

(4) The Principal will disqualify from the tender process all Contractor(s)/Bidder(s) with estimated cost of work put to tender of Rs 5.0 crores and above, who do not sign this Pact or violate its provisions.

## **Section 2 - Commitments of the Bidder(s)/Contractor(s)**

### **Obligations on Bidder/ Contractor**

To accept and comply with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by Employer. Duration of the Integrity Agreement shall be in the line with section 8 of the Integrity Agreement.

Bidder/Contractor acknowledge that in the event of breach of the Integrity Agreement Employer shall have unqualified, absolute and unfettered right to take action under section 3.

(1) It is required that each Bidder/Contractor (including their respective officers, employees and sub-contractors) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

(2) The Bidder(s)/Contractor(s) commit(s) itself/themselves to take all measures necessary to prevent corruption. He commits himself to observe the following principles

during his participation in the tender process and during the contract execution.

- (a) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage, of any kind whatsoever, during the tender process or during the execution of the contract.
- (b) The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, for purpose of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. It shall be incumbent on the Indian agent and the foreign principal to Adhere to the relevant guidelines of Government of India, issued from Time to time regarding availing services of Indian Agents for foreign Suppliers.

Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s) / Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian Agent/representative have to be in Indian Rupees only.

- (e) The Bidder(s) / Contractor(s) will, when submitting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
  - (f) The Bidder(s)/Contractor(s) to disclose any transgression with any other company that may impinge on the anti-corruption principle.
- (3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- (4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission

of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.

(5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

(6) The Bidder(s)/Contractor(s) signing IP shall not approach the Courts while representing the matters to IEM and he/she will await their decision in the matter.

(7) The Bidder(s)/Contractor(s), in case of sub-contracting, the Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor.

### **Section 3: Disqualification from tender process and/or exclusion from future contracts.**

Without prejudice to any rights that may be available to the Employer under law or the Contract or its established policies and laid down procedures, the Employer shall have the following rights in case of breach of this Integrity Pact by the

Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Employer absolute right:

(1) If the Bidder(s) / Contractor(s), before awarding the Project or during execution has committed a transgression by violating Section 2 above or in any other form so as to put his reliability or credibility in question, the Principal, at its sole discretion, after giving proper opportunity to the bidder is entitled to disqualify the Bidder(s) / Contractor(s) from the tender process or terminate the contract, if already awarded or exclude the Bidder/Contractor from future contract award processes, for that reason, without prejudice to any other legal rights or remedies available to the Principal under the relevant clauses of GCC/SCC of the tender/contract. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal. Such exclusion may be forever or for a limited period as decided by the Principal.

(2) If the Contractor(s)/Bidder(s) has committed a transgression through a violation of any of the terms under Section 2 above or in any other form such as to put his reliability or credibility into question, the Principal will also be entitled to exclude such Contractor(s)/Bidder(s) from future tenders/contract award processes. The imposition and duration of the exclusion will be determined by the Principal, keeping in view the severity of the transgression. The severity will be determined by the circumstances of the case, in particular, the number of transgressions and/or the amount of the damage.

(3) If it is observed after payment of final bill but before the expiry of validity of Integrity Pact that the contractor has committed a transgression, through a violation of any of the

terms under Section 2 above or any other term(s) of this Pact, during the execution of contract, the Principal will be entitled to exclude the contractor from further tender/contract award processes.

(4) The exclusion will be imposed for a minimum period of six (6) months and a maximum period of three (3) years.

(5) If the Contractor(s)/Bidder(s) can prove that he has restored/recouped the damage to the Principal caused by him and has installed a suitable corruption prevention system, the Principal may, at its sole discretion, revoke or reduce the exclusion period before the expiry of the period of such exclusion.

#### **Section 4: Compensation for Damages**

(1) If the Principal has disqualified the Bidder(s)/Contractor(s) from the tender process prior to the awarding of the Project according to Section 3, the Earnest Money Deposit (EMO)/ Bid Security furnished, if any, along with the offer, as per terms of the Invitation of Tender, shall also be forfeited. The Bidder(s)/Contractor(s) understands and agrees that this will be in addition to the disqualification and exclusion of the Contractor(s)/Bidder(s) as may be imposed by the Principal, in terms of Section 3 above.

(2) If, at any time after the awarding of the Project, the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Security Deposit/Performance Bank Guarantee furnished by the contractor, if any, as per the terms of the NIT/Contract shall be forfeited without prejudice to any other legal rights and remedies available to the Principal under the relevant clauses of General/ Special Conditions of Contract.

The Contractor(s)/Bidder(s) understands and agrees that this will be in addition to the disqualification and exclusion of the Bidder(s)/Contractor(s), as may be imposed by the Principal in terms of Section 3 above.

#### **Section 5: Previous transgression**

(1) The Bidder(s)/Contractor(s) herein declares that it has committed no transgressions in the last 5 years with any other Company in any country conforming to the anti-corruption approach as detailed herein or with government/ Central Government or State Government or any other Public Sector Enterprise in India that could justify its exclusion from the tender process.

(2) If at any point of time during the tender process or after the awarding of the Contract, it is found that the Bidder(s)/Contractor(s) has made an incorrect statement on this subject, he can be disqualified from the tender process or if, as the case may be, that the Contract, is already awarded, it will be terminated for such reason and the Bidder(s)/Contractor(s) can be black listed in terms of Section 3 above.

(3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Employer may, at its

own discretion, revoke the exclusion prematurely.

## **Section 6: Independent External Monitor / Monitors**

(1) The Principal shall, in case where the Project Value is in excess of Rs 5.0 crore and above, appoint competent and credible Independent External Monitor(s) with clearance from Central Vigilance Commission. The Monitor shall review independently, the cases referred to it to assess whether and to what extent the parties concerned comply with the obligations under this Integrity Pact.

(2) In case of non-compliance of the provisions of the Integrity Pact, the complaint/ non-compliance is to be lodged by the aggrieved party with the Nodal Officer only, as shall be appointed by the CMD, WAPCOS. The Nodal Officer shall refer the complaint/ non-compliance so received by him to the aforesaid Monitor.

(3) The Monitor will not be subject to any instructions by the representatives of the parties and will perform its functions neutrally and independently. The Monitor shall report to the Chairman-cum-Managing Director, WAPCOS.

(4) The Bidder(s) / Contractor(s) accepts that the Monitor shall have the right to access, without restriction, all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to its project documentation. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s) / Contractor(s) with confidentiality.

(5) The Principal will provide to the Monitor, sufficient information about all meetings among the parties related to the Project, provided such meetings could have an impact on the contractual relations between the Principal and the Contractor.

(6) As soon as the Monitor notes, or believes to note, a violation of this Pact, he will so inform the Principal and request the Principal to discontinue and/or take corrective action, or to take other relevant action(s). The Monitor can in this regard submit non-binding recommendations. However, beyond this, the Monitor has no right to demand from the parties that they act in a specific manner and/or refrain from action and/or tolerate action.

(7) The Monitor will submit a written report to the CMD, WAPCOS within 4 to 6 weeks from the date of reference or intimation to it and, should the occasion arise, submit proposals for corrective actions for the violation or the breaches of the provisions of the agreement noticed by the Monitor.

(8) If the Monitor has reported to the CMD, WAPCOS, of a substantiated suspicion of an offence under relevant IPC/PC Act, and the CMD, WAPCOS, has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Chief Vigilance Officer, WAPCOS.

**Signature of Tenderer**

**Signature of WAPCOS**

(9) The word 'Monitor' means Independent External Monitor and includes both singular and plural forms.

(10) For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.

(11) IEM should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging malafide on the part of any officer of the organization should be looked into by the CVO of the concerned organization.

(12) The role of IEM is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organizations.

(13) Issues like warranty/ guarantee etc. Should be outside the purview of IEMs.

(14) The role of the CVO of the organization shall remain unaffected by the presence of IEMs. A matter being examined by the IEMs can be separately investigated by the CVO in terms of the provisions of the CVC Act or Vigilance Manual, If a complaint is received by him/her or directed to him/her by the commission

## **Section 7 - Criminal charges against violating Bidder(s)/Contractor(s)/ Subcontractor(s)**

If the Principal obtains knowledge of conduct of a Bidder/Contractor or any employee or a representative or. an associate of a Bidder/Contractor, which constitutes a criminal offence under the IPC/PC Act, or if the Principal has substantive suspicion in this regard, the Principal will forthwith inform the same to the Chief Vigilance Officer, WAPCOS.

## **Section 8 - Duration of the Integrity Pact**

This Pact shall come into force when both parties have legally signed it. The Pact shall expire, in case of the Contractor(s), 3 (three) months after the last payment under the Contract is made and in case of the unsuccessful Bidder(s), 2 (two) months after the contract for the project has been awarded.

If any claims is made/lodged during this time, the same shall be binding and 'continue to be valid despite the lapse of this pact as specified above, unless it is discharged /determined by CMD of WAPCOS.

The Bidder(s)/Contractor(s), however, understands and agrees that even upon the completion of the Project and/or the last payment under the Contract having been made, if

any transgression/violation of the terms of this Pact comes/is brought to the notice of the Principal, it may, subject to its discretion, blacklist and/or exclude such Bidder(s)/Contractor(s) as provided for in Section 3, without prejudice to any other legal right or remedy so available to the Principal.

### **Section 9 - Other provisions**

(1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the principal, i.e. New Delhi.

(2) Changes and supplements as well as termination notices need to be made in writing.

(3) If the Bidder/Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

(4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement shall remain valid and binding. In such a case, the parties will strive to come to an agreement in accordance to their original intentions.

(5) Wherever he or his as indicated in the above sections, the same may be read as he/she or his/her, as the case may be.

(6) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement Pact, any action taken by the Principal in accordance with this Integrity Agreement/Pact or interpretation thereof shall not be subject to arbitration.

-----  
(For & On behalf of the Principal)  
(Office Seal)

Place  
Date

Witness 1:  
(Name & Address)

Witness 2:  
(Name & Address)

-----  
(For & On behalf of Bidder/Contractor)  
(Office Seal)

Place  
Date

Witness 1:  
(Name & Address)

Witness 2:  
(Name & Address)

**FORM-H**  
**FORMAT FOR LITIGATION HISTORY, LIQUIDATED DAMAGES,**  
**DISQUALIFICATION**

[To be submitted on Bidder's Original Letter Head and should be notarized]

To  
Chief Engineer  
WAPCOS Limited, Thane

**Subject: Litigation History, Liquidated Damages, Disqualification for -----**  
**----- (Name of Work/Project)**

It is hereby declared that our firm (Name of firm with address-----) neither disqualified, nor have any Litigation history and no Liquidated Damage imposed on the firm by any Department.

Yours faithfully,

(Signature, name and designation of the  
Authorized signatory)

Date:

Place:

**Name and seal of Bidder**

## LITIGATION HISTORTY

**Subject:** Tenderer should provide information as per this Performa for the firm/company on any history of litigation or arbitration resulting from contracts executed in the last 5 years ending 31.03.2022 or currently in execution.

### 1. ARBITRATION CASES

Year	Name of work	Name and address of Client	Cause of litigation and matter in dispute	Disputed amount in Rs.	Actual Award amount in

### 2. COURT CASES

Year	Name of work	Name and address of Client	Cause of litigation and matter in dispute	Name of court	If judgment given whether for or against the Tenderer

### 3. Information Regarding Current Litigation, Debarring / Expelling of Tenderer or Abandonment of Work by Tenderer.

- a) i) Has the Bidder consistent history of Litigation .....Yes/No
  - ii) If yes, give details:
- b) i) Has the Bidder been debarred/ expelled by any Agency in J&K state /India, during the last 5 years on the date of application except on account of reasons other than non- performance, .....Yes/No
  - ii) If yes, give details:
- c) i) Has the Bidder abandoned any contract work during the last 5 years...Yes/No
  - ii) If yes, give details:
- d) i) Has the Bidder been declared bankrupt during the last 5 years...Yes/No
  - ii) (If yes, give details, including present status:

- e) i) Has the Bidder been debarred by client or by any Department... Yes/No  
ii) If yes, give details:

Note: i) Separate sheet may be used for giving detailed information.

If any information in this schedule is found to be incorrect or concealed, pre-  
Qualification of bidder will be summarily rejected.

Yours faithfully,

Date:

(Signature, name and designation  
of the Authorized signatory)

Place:

**Name and seal of Bidder**

**FORM - I**

**UNDERTAKING TO BE FURNISHED ON COMPANY LETTER HEAD WITH  
REGARD TO RULE 144 (xi) IN THE GENERAL FINANCIAL RULES (GFRs),  
2017**

**[On the letter head of the Organization]**

**Name of work:**

**Ref.: Tender No..... dated.....**

To  
Chief Engineer  
WAPCOS Limited, Thane

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered.

For\_\_\_\_\_

Authorized Signatory

Date:

**FORM - J**  
**Form of Banker's Certificate (Solvency)**  
**(in sealed cover addressed to Authority)**

To  
Chief Engineer  
WAPCOS Limited, Thane

**Name of the work:**

This is to certify that to the best of our knowledge and information Shri/Smt/M/S.....having registered address ....., a customer of our bank, is/are respectable and can be treated as reliable and solvent for any engagement up to a limit of Rs..... (Rupees.....). This certificate is issued without any guarantee or responsibility on the Bank or any of the officers.

This certificate is issued on the request of Shri/Smt/M/S ..... for tendering process being invited by WAPCOS Limited for ..... (name of work)

(Signature)  
For the Bank

(Name & Designation of POA number of the bank official)  
Email:

**Note:**

1. Solvency certificate should be on the letter head of the bank, in sealed cover addressed to the authority and official email of the issuing bank must be mentioned.
2. The date of certificate shall not be older than initial date of publication of tender.

## **SECTION VI**

## **ANNEXURES**

**Annexure I - Format of Bank Guarantee for EMD**  
**(To be stamped in accordance with Stamp Act)**  
**The non-judicial stamp paper should be in the name of issuing Bank**

Ref.....

Bank Guarantee No.....

Date.....

.....

To  
WAPCOS Limited

Dear Sir / Madam,

1. In accordance with Invitation to Bid under your Specification No..... M/s..... having its Registered/Head Office at..... (hereinafter called the 'Bidder') wish to participate in the said Bid or .....and you, as a special favour have agreed to accept an irrevocable and unconditional Bank Guarantee for an amount of..... valid upto .....on behalf of Bidder in lieu of the Bid deposit required to be made by the Bidder, as a condition precedent for participation in the said Bid.
2. We, the ..... Bank at ..... (local address) having our Head office at ..... guarantee and undertake to pay immediately on demand by WAPCOS Limited, A Government of India Undertaking, the amount..... of ..... (in words & figures) without any reservation, protest, demur and recourse. Any such demand made by said 'Owner' shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.
3. This guarantee will not be discharged due to the change in the constitution of the Bank or the Service Provider(s)/Service Provider(s).
4. Notwithstanding anything contained hereinabove:
  - (1) Our liability under this guarantee is restricted to Rs. .... (in words & figures).
  - (2) This Bank Guarantee will be valid upto ..... ;  
and
  - (3) We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only upon service of a written claim or demand by you on or before .....

In witness whereof the Bank, through its authorised officer, has set its hand and stamp on this.....day of.....20.....at.....

**WITNESS**

.....	.....
(Signature)	(Signature)
.....	.....
(Name)	(Name)
.....	.....

(Official Address)  
(Designation with Bank Stamp)

Attorney as per Power of Attorney

No.....Dated.....

**ANNEXURE II**  
**FORMAT OF PERFORMANCE BANK GUARANTEE**

WAPCOS Limited  
Gurgaon

In consideration of \_\_\_\_\_ (Employer's name) (hereinafter referred to as "the Employer") which expression shall, unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having awarded to (Contractor's name & address) (hereinafter referred to as "the Contractor" which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) a contract, by issue of Employer's Notification of Award No. dt. \_\_\_\_\_ and the same having been unequivocally accepted by the Contractor, resulting in to a contract valued at Rs. (Rupees \_\_\_\_\_ only) for \_\_\_\_\_ (name of work) (hereinafter called "the contract") and the Contractor having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire contract equivalent to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) (3 % of the said value of the Contract to the Employer).

We, \_\_\_\_\_ (name & address of bank) (hereinafter referred to as "the Bank" which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Employer, on demand any or, all monies payable by the Contractor to the extent of Rs. \_\_\_\_\_ (Rupees only) as aforesaid at any time upto \_\_\_\_\_ without any demur, reservation, contest, recourse or protest and/or without any reference to the Contractor or court. Any such demand made by the Employer on the bank shall be conclusive and binding notwithstanding any difference between the Employer and the Contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the Employer and further agrees that the guarantee herein contained shall continue to be enforceable till the Employer discharges this guarantee.

We the said Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said contract have been fully paid and its claims satisfied or discharged or till the Employer certifies that the terms and conditions of the said Contract have been fully and properly carried out by the said Contractor and accordingly discharges the guarantee.

The Employer shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee, from, time to time to extend the time for performance of the Contract by the Contractor. The Employer shall have the fullest liberty without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Contractor and to exercise the same at any time in any manner and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Employer and the Contractor or any other course or remedy or security available to the Employer. The bank shall not be released of its obligations under these presents by

any exercise by the Employer of its liberty with reference to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Employer or any other indulgence shown by the Employer or by any other matter or thing whatsoever which under law would but for this provision, have the effect of relieving the Bank. The guarantee shall not be affected by a change in the constitution of the bank or of the employer.

The bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance, without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities.

We The Said Bank do hereby declare that we have absolute and unconditional power to issue this guarantee in your favour under the Memorandum and Articles of Association or such other constitutional documents of the Bank and the undersigned have full power to execute this guarantee under the Power of Attorney / Post Approval Authorization dated \_\_\_\_\_ of the bank granted to him / us by the Bank. We the said bank do hereby declare and undertake that your claim under the guarantee shall not be affected by any deficiency or other defect in the powers of the bank or its officials and the guarantee shall be deemed to have been issued as if the bank and its officials have all the powers and authorization to give this guarantee on behalf of the bank.

We the said bank do hereby certify the genuineness and appropriateness of the Stamp paper and stamp value used for issuing the guarantee. We the said bank do hereby declare and undertake that your claim under the guarantee shall not be affected by any deficiency or other defect in the stamp paper or its stamp value.

We the said bank do hereby declare that our payments hereunder shall be made to you, free and clear of and without and deduction, reduction on account of any reasons including any and all present and future taxes, levies, charges of withholding whatsoever imposed or collected with respect thereto.

Notwithstanding anything contained hereinabove our liability under this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) and it shall remain in force upto and including \_\_\_\_\_ and shall be extended from time to time for such period as may be desired by M/s WAPCOS Limited to whom this bank guarantee has been given.

Notwithstanding anything contained herein

- i) Our liability under this guarantee shall not exceed Rs . (Rupees \_\_\_\_\_ only);
- ii) This bank guarantee shall be valid upto \_\_\_\_\_;  
and
- iii) our liability to make payment shall arise and we are liable to pay the guaranteed amount or any part thereof under this guarantee, only and only if you serve upon us a written claim or demand in terms of the guarantee on or before \_\_\_\_\_  
**(indicate a date twelve month after validity of Guarantee)**

Dated this \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

## **ANNEXURE III**

### **SAFETY CODE**

- 1.1 The purpose of the present document is to outline the minimum safety requirements applicable to personnel, equipment and facilities during erection, pre- commissioning and commissioning activities of OWNER / CONSULTANT Construction Sites. Constructing safe structure and providing safe working environment to the personnel is a vital factor in successful construction business. Safety and health are as much as part of effective project planning and control as the cost, schedules, procurement and quality. Indeed, they are all closely interrelated. Productivity, safety and quality can move forward in close proximity.

#### **1.2 OBJECTIVES**

OWNER/CONSULTANT Site Management has following main objectives regarding safety at site.

- a) No Accident
- b) To make the environment safe
- c) No harm to people
- d) Safety is everyone's responsibility
- e) To make the job safe

#### **2.0 GENERAL**

- 2.1 These rules do not exempt the Contractor from statutory Health, Safety and Environmental duties but are intended to assist in attaining a high standard of compliance with those duties, in order to provide a safe and healthy working environment.
- 2.2 OWNER/CONSULTANT will assist Contractors in any practical way to facilitate safe working and requires full co-operation in observing these rules.
- 2.3 The rules for Health and Safety specified herein are in no way intended to relieve the Contractor from any obligation or liability under the Contract, nor is it intended to relieve the Contractor of any of his legal obligations for the avoidance of accidents.
- 2.4 In all matters arising in the performance of the Contract, the Contractor shall conform with all Statutory Regulations and By-Laws made with statutory authority by Government Departments or by Local or other Authorities that shall be applicable to the Works.
- 2.5 The Contractor, in the performance of the Contract, shall not endanger the safety or unlawfully interfere with the convenience of the public in any manner.
- 2.6 The Contractor's representative on Site shall communicate details of these rules for Health, Safety and Environment to all Contractors' employees and to all Subcontractors and Subcontractors' employees employed on the Site.

**2.7** The requirements of the Client/Owner's existing Site Rules/Regulations form part of the Contract and in the case of conflict between the OWNER/CONSULTANT'S rules, the highest standard shall be applied.

**2.8** At the tender stage OWNER/CONSULTANT will require to see a copy of the Contractor's policy, organization and arrangements for the Health and Safety at Work. The Contractor shall have submitted complete documents Health and Safety Questionnaire. Contractor shall deploy safety officer of adequate experience at each work site or during each shift including Sunday/holiday with approval of EIC/Owner.

### **3.0 SITE HEALTH, SAFETY AND ENVIRONMENT INDUCTION**

**3.1** All personnel shall receive OWNER/CONSULTANT and Contractors' site Health, Safety and Environment induction before they commence work on site. The induction shall comprise information on the various hazards which they may come into contact with, instructions on the site emergency procedures, warning and alarm systems, and permit to work system, first aid locations, welfare facilities, access routes and project specific rules.

**3.2** It is the responsibility of the Contractor to familiarize all new personnel to the Project on the actual location of muster points, fire alarm points, first aid stations and the like.

### **4.0 DEMARCATION**

**4.1** Construction personnel are restricted to the construction areas shown on the Contract Drawings. Any personnel found on/in or interfering with the existing works/plant, without permission, will be dismissed from site. Any work outside of these areas may only be carried out with the written agreement of OWNER/CONSULTANT.

Before any work is started on the site, the Contractor's representative shall report to OWNER/CONSULTANT, who will confirm to the Contractor's representative, the limits of the working area(s) and shall be informed of any special requirements appertaining thereto.

### **5.0 ACCESS TO THE CLIENT'S FACILITIES/BUILDINGS**

**5.1** The Client's Facilities, including the canteen/cafeteria and toilets shall not be used by Construction Personnel.

**5.2** Construction Personnel shall not enter any of the Owner's building unless escorted by a member of the OWNER/CONSULTANT'S staff (or working with prior agreement to Owner's Permit to Work System).

### **6.0 BEHAVIOR ON SITE**

**6.1** All Contractors' personnel shall treat everyone with respect and will refrain from any sexually suggestive or abusive comments or behavior.

## **7.0 SMOKING, EATING AND DRINKING**

**7.1** Smoking, eating and drinking is allowed in designated areas.

## **8.0 DRUGS AND ALCOHOL**

**8.1** The possession or use of illicit drugs and alcohol on site is not permitted. Anyone who is found, or suspected to be, under the influence of either will be removed from site (subject to the Contractors' disciplinary procedure).

**8.2** Anyone taking prescriptive drugs shall advise their employer, in particular those drugs that may impair their performance. Their employer may make arrangements to assign them to more suitable work, but shall ensure that the OWNER/CONSULTANT Construction manager is informed without delay.

## **9.0 PERMIT TO WORK SYSTEM**

**9.1** All construction works will be carried out under a permit to work system. It is designed to protect personnel and plant and consists of an organized and predefined safety procedure. It forms a clear record of all foreseeable hazards which have been considered in advance of construction operations.

**9.2** The identities of the permit "Issuing Authority" will be OWNER and the "Permit Acceptor" will be the Contractor.

**9.3** The following types of permits will be issued:

- Clearance Certificate - all other permits are invalid without this Certificate, (this certificate can be used for general work).
- Excavations Work Permit.
- Working at Height work Permit.
- Road Closure Work Permit.

**9.4** Written requests for permits must be submitted to Owner at least twenty-four hours in advance and the permits will be issued daily. Permits shall be given to Safety Officers of the contractor, by representatives authorized by Owner in approved formats.

## **10.0 ACCESS, SITE PASSES AND SECURITY**

### **10.1 Passes**

All personnel and vehicles shall enter and leave the site via the entrance authorized for construction personnel and traffic. Contractors' employees shall not enter any part of the site other than for the purpose of carrying out the Works. All personnel shall be issued with a site pass. The site pass must be carried (or displayed on the pass holder's lapel) at all times. Details of all personnel requiring site passes shall be submitted to

OWNER/CONSULTANT at least seven working days in advance of the planned start-on-site date. Site passes shall be submitted for inspection on entering or leaving the site, or when requested for inspection by OWNER/CONSULTANT or Security.

Loss of site passes must be reported immediately to Owner/Consultant. Lack of a site pass may mean delay at the site entrance. Owner/Consultant shall not accept any responsibility for lost time or costs incurred.

On completion of their assignment, or termination or their employment, all personnel will return their site pass to Owner or Owner representative/ Owner authorized personal.

## **10.2 Security**

The security of Contractor's plant, tools, equipment, materials (including free issue materials properly handed-over by Owner/Consultant) are the responsibility of the Contractor. It is the Contractor's responsibility to satisfy themselves that the security arrangements in existence on the site are adequate. The Contractor shall provide any other security measure that he deems necessary for the control and security of Contractor owned equipment and plant, including for free-issue plant and materials, both within the site establishment area and the working areas on the site.

Owner accepts no liability for any loss, damage or deterioration to the Contractor's plant tools equipment and materials.

Owner reserves the right to search at random all personnel, any Contractor's employee, or employees of its servants, agents, Contractors or any vehicle entering or leaving the site. Any package or container being taken into or out of the site may be opened and inspected by security staff or any other persons authorized by Owner/Consultant to make such a search or inspection.

It is the Contractor's obligation and responsibility to ensure that OWNER / CONSULTANT right to search and inspect persons and property, extends to and is brought to the attention of all his personnel.

Personnel shall give all possible assistance and make available any facilities required to assist OWNER/CONSULTANT and the Police in pursuance of the prosecution of any person(s) responsible for alleged malicious damage or loss to the Works or existing installations.

Owner shall not accept any responsibility for the loss or damage of personal effects. The security and safekeeping of personal effects is the responsibility of each individual.

- 10.3** Construction personnel will not be admitted to the Construction Areas unless they have undergone Owner/ Consultant's induction, and received a security pass. **No Induction, No Pass, No Access to the Site**
- 10.4 OWNER/CONSULTANT reserves the right to deny access to the Construction Site/Areas and/or the Construction Car parks to any person, or vehicle.
- 10.5 Individuals may be excluded from and refused future entry to the Site and/or Construction Areas for any breach of Safety or Security Rules, or exceeding the speed limit (20 mph on roads leading to the site off the public highway and 5 mph in the construction area).
- 10.6 No plant/skips waste or materials may leave the Construction Area without the clearance of OWNER/CONSULTANT.
- 10.7 The taking of photographs on the site is prohibited.
- 10.8 Vehicles with children under the age of 16 years or animals onboard will not be allowed access.
- 10.9 Visitors will only be allowed by appointment (two days' notice to OWNER/CONSULTANT is required). Visitors shall be accompanied by a member of the Contractor's team (who has received Health, Safety and Environment Induction) at all times. The visitor will have to obtain a visitor's pass, and be collected from and returned to the main gate.
- 10.10 Each Contractor will keep a daily register of who is on site. The register will record name, pass number, time-in and time-out (records on time-clocks will not be permitted). This information shall be used to check personnel (role call) in the event of an emergency

## **11.0 PARKING, DELIVERIES AND VEHICLE PASSES**

- 11.1** Contractors' personnel shall not be allowed to park any vehicle on the main car park or site.

All contractors shall park in the Contractors' Temporary Car Park.

- 11.2** The Contractor shall arrange transport between the parking area(s), the main site gate and the Contractor's establishment and working areas if judged to be necessary.
- 11.3** Vehicles used solely for transporting of tools and equipment may be allowed access to the working area(s) for unloading/loading only.
- 11.4** Owners of vehicles parked illegally will have their car pass taken off them and told to remove the vehicle from site. They may have their site pass withdrawn and be refused further access to the Construction Site.

- 11.5** The Construction Areas will be restricted to construction plant and delivery vehicles.
- 11.6** The speed limit on site is 10 mph on the approach roads leading to the site off the public highway and 5 mph on the construction areas

**12.0 SITE OPENING AND CLOSING TIMES**

- 12.1** The site will be open from 8.00am to 6.00pm Monday to Saturday. Work outside the agreed normal working hours will be by agreement with Owner (subject to two working days 'notice). All applications for out of hour working will identify the scope of work, supervision arrangements and a list of personnel.

**13.0 SITE SUPERVISION**

- 13.1** The Contractor must ensure that an employee of suitable seniority and authority, with responsibility for Health and Safety, is always present on site during the course of the works, to supervise and direct the Works and to receive and implement instructions from OWNER/CONSULTANT. Seven days before commencing works on site, the Contractor must notify OWNER/CONSULTANT of the name of that employee.

- 13.2** All supervisory staff shall be made aware of their responsibilities for safety.

**14.0 TRAINING, COMPETENCE OF EMPLOYEES AND NOTIFICATION OF HAZARDS**

- 14.1** Each Contractor must ensure that all his supervision and employees have had adequate safety training and are experienced to carry out their work safely, prior to starting on site. Training should be continuous throughout a project and should include regular toolbox discussions, (on site briefings at the start of each working day/shift).

To this end, the Contractor must also ensure that specific hazards likely to be experienced on the Site, whether notified to them or discovered by them, are notified to their workforce together with any precautions to be taken and local rules to be observed. Similarly, such hazards should be notified to their Subcontractors and, where discovered by them, to OWNER/CONSULTANT.

- 14.2** Where particularly severe or unusual hazards may arise on site, OWNER/CONSULTANT reserves the right at no additional cost to request Contractors' employees to attend special safety training and instruction sessions, whether carried out on site or externally. OWNER/CONSULTANT also requires Contractors' employees to undergo specified induction safety training. These aspects should be checked prior to submission of Tenders or execution of the works.

## **FINANCIAL BID**

## Form of Quotation

### Quotation for Conducting Geotechnical Investigations for Pise weir Project on River Bhatsa, Bhiwandi, Thane, Maharashtra

To,  
Chief Engineer,  
WAPCOS Limited,  
406, 4th Floor, Orion Business Park,  
Kapurbawadi, Ghodbunder Road,  
Thane (W) - 400615  
Email: [mumbai@wapcos.co.in](mailto:mumbai@wapcos.co.in); [wapcosmumbai@yahoo.co.in](mailto:wapcosmumbai@yahoo.co.in)  
Contact No. 9819726801

I/We the undersigned, having carefully examined and understood the documents on which quotation to be based, hereby agree to carry out the aforesaid geotechnical investigation works for the following work described in the Scheduled of work, in conformity with the specifications and terms and condition as specified in the document.

Total price for carrying out the work, **Geotechnical Investigations for Pise weir Project on River Bhatsa, Bhiwandi, Thane, Maharashtra** is, Rupees\_\_\_\_\_ (Amount in Words and Figures)

This price will remain valid for 90 (ninety) days from the date of submission of bid. Unless and until a formal contract is prepared and executed, this quotation, together with your acceptance thereof, shall constitute a binding contract between us.

I/We undersigned, that you are not bound to accept the lowest or any quotation you may receive.

Signed this\_\_\_\_\_day\_\_\_\_\_2024

Signature and seal of bidder

or Authorized representative

Name of firm :

Address of firm :

Telephone No. :

Fax No. :

E-mail :

**ANNEXURE - A**

<b>BILL OF QUANTITIES (BOQ)</b> <b>FOR</b> <b>Conducting Geotechnical Investigations for Pise weir Project on River Bhatsa, Bhiwandi, Thane, Maharashtra</b>					
<b>S No</b>	<b>Item Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount (Rs.)</b>
1	Mobilization & Demobilization of necessary plant, equipment, Men and materials for the complete geo-technical investigation work	LS			
2	Taking Trial Bore for detailed investigation with NX diamond drill double tube in all sort of soil like soft murum, hard murum, boulders including all materials	Rmt	120		
3	Preserving the core sample in core box of MS of Size 1.25 mx 0.35m x0.15 m.	Nos.	20		
4	Carrying out water intake test/permeability test.	Test	20		
		Total			
5	GST			18%	
<b>Grand Total including GST</b>					
<b>Amount in Words</b>					
<b>Note:</b>	Above Quoted price shall be inclusive of all levies and taxes. GST as applicable shall be paid on submission of proofs.				
	Visit charges, transportation charges, DA, out of pocket expenses, lodging and boarding charges or any other charges shall not be paid to any partner/ representative of the firm for visit places and work site till the scope of work is completed. All the above charges shall deemed to be considered in the fee quoted under the price bid.				
	The Rates are including cost of tools, equipment's, mobilization, demobilization, pontoon, machinery etc. at any places of Maharashtra.				
	Quantity mentioned may vary $\pm 10\%$ according to the site conditions.				
	Payment will be made according to actual executed quantity and same unit price.				
	Payment shall be made to the agency on receipt of the payment from the client (Back-to-Back basis)				
	WAPCOS Limited will not pay any amount as advance to the selected bidder.				
	All tests should be carried out through NABL accredited laboratory.				
	Do not fill the Summary of Cost (BOQ) at the time of submission of technical bid.				
	Details of tests to be carried out on samples are mentioned in <b>Annexure-B</b> .				
	No additional payment will be allowed above the rates quoted on any account.				

Date:

Signature of bidder

Place:

Name and Stamp

**Annexure B****LIST OF TESTS**

Sl. No.	Description	List of tests	
1	<b>Set of Geotechnical Investigation tests in which SPT shall be conducted at every 1.5m interval and collection of Undisturbed Sample at every 3.0m interval of bore hole.</b>	1	Bore log data indicating
			a SPT values
			b Water Table
		2	Dry & Bulk Density
		3	Specific Gravity (Soil & Rock)
		4	Point load test
		5	UCS test of rock

Date:

**Signature of bidder**

Place:

**Name and Stamp**