



**वाष्कोस लिमिटेड**  
**WAPCOS LIMITED**

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

**TENDER DOCUMENT**  
**FOR**

**Topographic & Hydrographic Surveys of Tanks and its  
Irrigation Infrastructure at Puducherry**

**WAP/TN/5/ TOPOGRAPHIC & HYDROGRAPHIC  
SURVEYS /RRR/ PUDUCHERRY/2024**

**Date: 24/10/2024**

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

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## NOTICE INVITING e-TENDER (NIT)

Dated: **24.10.2024**

**Notice No: WAP/TN/5/ TOPOGRAPHIC & HYDROGRAPHIC SURVEYS /RRR/ PUDUCHERRY/  
/2024**

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

1.	Name of Work / Project	:	Topographic & Hydrographic Surveys for Repair, Renovation and Restoration of Tanks, Puducherry
2.	Site / Location	:	Puducherry
3.	Website for viewing tender	:	<a href="http://www.wapcos.co.in">www.wapcos.co.in</a> 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): -	:	Rs. 17.00 Lakhs including GST
6.	Cost of Tender Document	:	NIL
7.	Earnest Money Deposit (EMD)	:	Rs. 35,000/- (Rupees Thirty-Five 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>15 days 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>04.11.2024</u> till 14:00 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 conducted site visit)	:	The pre-bid meeting will not be held. Bidder can ask queries in writing to tender inviting authority

		(WAPCOS LIMITED, Chennai) before 2 days of last tender submission date as mentioned in NIT.
15.	Offline Submission of Technical Document, Tender Fees and EMD etc. as detail in Tender for bidders.	<u>05.11.2024</u> upto 13:00 hrs in the office of Project Manager, Chennai
16.	Last date & time for online submission of Technical & Financial Bid	: <u>05.11.2024</u> upto 15:00 hrs
17.	Online opening of Technical Bid	: <u>05.11.2024</u> at 15:30 hrs
18.	Online opening of Financial Bid	: Will be Intimated to Technically Qualified Bidders.
19.	WAPCOS Communication address during Tendering and execution of works	: Project Manager, WAPCOS Limited Plot No. 990, 50 <sup>th</sup> Street, TVS Colony, Collector Nagar, Anna Nagar West Extn, Chennai- 600101, Tamil Nadu Tel: +91-44-26540477, +91-44-26541375

**Exemption in EMD fee for registered Micro and Small Enterprises only under MSME (if applicable):** 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.

**The technical and financial bids shall be uploaded on the GEM portal.** If the office of WAPCOS Limited, Chennai 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**

**Project Manager  
WAPCOS Chennai**

**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	<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>  <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>
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>



S. No.	Module	Link for Training Module
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/Item-Wise-BOQ-seller-v2-1652262676.pdf">https://assets-bg.gem.gov.in/resources/upload/shared_doc/training_content/Item-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)
- Financial Bid (Envelope-II of the Tender Document)

## **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;
  - ii. "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;
  - iii. "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.
- v i. 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 out rightly 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 – 2024</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 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. Topographic &amp; Hydrographic Survey) 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/ State Govt. /PSU in the last 5 years. Bidders shall give undertaking 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.			
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>(Do Not Submit with the document of Offline Submission)</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.

#### **NOTES:**

**Bidders who full fill the above requirements shall only be qualified for technical evaluation.**

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 submissions as mentioned above shall be submitted on WAPCOS address mentioned below as per date & time mentioned in NIT/GeM portal otherwise bids are liable to be rejected.**

**Project Manager  
WAPCOS Limited  
1<sup>st</sup> floor, 50<sup>th</sup> Street, TVS Colony,  
Anna Nagar West Extn.,  
Chennai – 600 101.**

#### **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.

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 Topographic & Hydrographic Surveys 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 **30 (Thirty) days of 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 submission of Inception report along with work schedule and equipment details	10 (Ten) percent of the total contract value.
<b>2</b>	On completion of all field activity and submission of field data/ drawings/reports etc.	50 (Fifty) percent of the total contract value.
<b>3</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.	25 (Twenty-Five) percent of the total contract value.
<b>4</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 Govt. of Puducherry 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 Govt. of Puducherry 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 Govt. of Puducherry, 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 employer’s 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 law.
- 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 provided 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 ₹10 crores, 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 Client 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**  
**(TOPOGRAPHIC & HYDROGRAPHIC SURVEY)**

**1 TOPOGRAPHIC SURVEY**

Topographic and Hydrological Cross Section Survey using latest survey instruments/ techniques e.g. DGPS / Total Station / Satellite technology/ Drone equipped with DGNSS, etc. for the project components mentioned below. The exact boundary of the study area will be supplied in detail along with the award letter to the successful bidder.

The following components to be surveyed

- |                                      |  |
|--------------------------------------|--|
| 1. Tank Water Spread Area (59 tanks) | - 2206 Ha out of which 716 Ha is currently with water holding area |
| 2. Tank Bund length                  | - 110 Km having tentative width of 3 to 4 m                        |
| 3. Feeder/ Supply channel            | - 225 Km having average width of 5 m                               |
| 4. Surplus Channel                   | - 62 Km having average width of 5 m                                |
| 5. Field channel                     | - 10 km having average width of 1-2 m                              |

As stated earlier, the total length to be surveyed will be about about 260 Km, however, it may decrease or increase during the course study and the same will be informed to the successful bidder and the bidder will not have any claim for the revision of rate especially in the case of decrease in area to be surveyed, however, in case of substantial increase in area to be surveyed the bidder may have to decrease the rate based on mutually negotiated rate.

**1.1. Brief Scope of the work**

- i. Establishing Bench Mark
- ii. Establishing horizontal and vertical controls
- iii. Carrying out leveling/ traversing and mapping
- iv. Reporting and charting
- v. Furnishing any clarifications required by client during the process of acceptance of the reports

The tenderer shall carry out the Topographical surveys comprising of following components viz.,

- i. Supply channel and Filed Channel
- ii. Cross Drainage structures, Sluices, Weirs
- iii. Tank Water Spread Area
- iv. Tank Bund
- v. Other structures as per the requirement

The bidder shall carry out Topographical Survey using latest survey instruments/ techniques e.g. DGPS / Total Station / Satellite technology etc. for the project compnents including locating spot levels at 50 m or less interval and preparation of contour plan showing villages, towns, important roads, railway line, existing canal, temples, electric line, water bodies & administrative boundaries etc. at 0.5 m contour interval. Data for inaccessible areas (if any) shall be captured by using high resolution satellite imagery, along with fixing of base line pillars (Temporary Bench Marks), permanent bench marks, plotting, preparation of contour plans and report etc.

The index map showing the proposed project area and the tentative project details are given below.

The cross sections are to be taken as follows

- a. At 100 m intervals for the tank bund supply channel, surplus channel and also at turning points
- b. At 50 m intervals for the field channels and tank water spread area
- c. The spot levels at 50m intervals shall be taken for tank bed
- d. The spot levels at 2 to 3 m intervals shall be taken for tank bund, supply channel and field channel, etc.
- e. 2 to 3 Cross sections for the structures
- f. Longitudinal sections for the tank bund, supply channel, surplus channel and field channel

The bidder shall provide necessary survey instruments and all other tools and materials, labour and qualified surveyors, formwork, necessary transport, supervision by competent Engineer/surveyors, full insurance and all other incidental items as may be necessary for successful completion of the survey and mapping work.

The output maps shall be prepared in the AutoCAD/GIS compatible format (.dwg, .shp & .kml) complete in all respects as per the formats, norms and technical specifications acceptable to WAPCOS.

The work shall be executed according to the specifications and good standard of practice necessary to fulfill the objective of the survey work, strictly in accordance with the instructions and satisfaction of the Engineer – in – charge or his representative

A network of TBMs shall have to be established by the tenderer at all the important places such as road crossing, railway crossing etc. as per the instruction of Engineer-in-Charge. The representative of the WAPCOS not below the rank of Junior Engineer shall remain present while establishing the TBM.

Engineer-in-Charge may check the levels independently along with tenderer's representative. Labour, equipment etc., if so required for checking the levels by Engineer-in-Charge shall be provided by the tenderer at his cost.

If the tenderer or his authorized representative does not remain present at the time of such checking even after the tenderer or his authorized representative has been given a notice in writing three (3) days in advance or fails to countersign or to record objection within a week from the date of the measurement/checking, then such measurement/checking like levels, distances etc., recorded in his or his representative's absence by the Engineer-in-Charge shall be deemed to be accepted by the tenderer. Closing error in leveling should be limited to  $12 \sqrt{L}$  (L) in mm, where 'L' is the length of the route in km. If the variation in level exceeds the limit, the entire survey needs to be redone.

Engineer-in-Charge may check independently along with tenderer's representative, the establishment of PBM/TBM with respect to its value & location entered in field book and specification as per drawing. If the same is not found as per record & drawing, the entire exercise is required to be redone by the tenderer at his cost. Labour, equipment's, etc. if so required for checking by Engineer-in-Charge shall be provided by the tenderer at his cost. If the tenderer or his authorized representative does not remain present at the time of such checking even after the tenderer or his authorized representative has been give notice in

writing three (3) days in advance or fails to counter sign or to record objection within a week from the date of the measurement/checking, then such measurements/ checking recorded in his or his representative's absence by the Engineer-in- Charge shall be deemed to be accepted by the tenderer

## **1.2 Latitude and Longitude**

The bidder shall tie-up the "survey grid of area" surveyed with latitudes and longitudes/Geo reference.

## **1.3 Topographical survey and mapping**

The proposed survey work will be carried out with the use of latest survey techniques/ instruments e.g. DGPS/ Total stations/Drone etc. in the following steps:

- a) Establishing horizontal and vertical controls and locating reference grids and bench marks/reference pillars in the area along the base line. The specifications shall be read in conjunction with the description of the item in the Financial Bid.
- b) Surveying for locating the positions, both in plan and elevation, of all natural and artificial features of the area like waterways, railway tracks, cultivation, villages, fences, pucca and kuchha roads including culverts and crossings, foot tracks, other permanent objects like telephone posts and transmission towers etc. are to be established and subsequently shown on survey maps by means of conventional symbols (preferably, symbols of survey of India Maps).

All the hills and valleys within the area are to be surveyed and plotted on maps by contours. Necessary leveling work of the entire area to be surveyed and plotted on maps by establishing horizontal location so that location and sketching of contours for the area can be done at 0.25 m intervals and in the scales of 1:10000 H on maps in smooth lining. Any unusual condition or formations on the ground, locations of rock outcrops (if visible on the surface) and spring / falls, possible aggregate deposits etc. shall also be noted and plotted on the maps.

## **1.4 Contour Plotting**

Tenderer shall carryout surveying along Canal alignment and at CD crossings. Contours are to be plotted at 0.5m interval for the entire length of canal/channel along with CD structures. The contours shall not be just interpolated but properly surveyed on the ground so that features falling between the two successive levels are also picked up. Sufficient points properly distributed over the entire area shall be located and levels taken so that accurate plotting of contour can be done at places of sharp curvature or abrupt change in direction and elevation. Points selected shall be close to each other.

Transfer of levels shall always start from Main/Subsidiary stations whose levels are based on DGPS established earlier. Any other levels of existing bench marks, which are supplied to the tenderer by the WAPCOS shall be checked by the tenderer with reference to the DGPS levels and if any discrepancy is observed, the same shall be immediately brought to the notice of Engineer-in-Charge. His decision in this regard should be obtained in writing.

During the Topographic survey, all salient details like existing conditions, water bodies, drainage systems, water storage facilities, type of road surface, existing infrastructure

facilities, landmarks, availability of public lands, etc., width of canal, details of cross structures, identification of houses on either side of the river, canal outlets including their locations and any other type of structures and identification of Electrical Poles needs to be identified and marked. The details should be collected for a width of 10m on either side of the river bank.

The levels shall be on the basis of bench marks available at the Project site and within the vicinity of Project area. All levels shall be related to IMSL.

The survey should clearly show dry weather channels with shoals and channels, embankments, spurs, revetments, ghats, etc. Survey should also show all important structures like existing intake well, locations and size of shoals, deep channel, joining of streams, nallahs, alignments and length of survey cross sections, bench mark locations, important structures such as intake/bridges along bank and island configurations, bridges, culverts, weirs, etc. Important towns/ villages located in the area covered in the plan may also be marked in the same plan. The contractor shall deploy a suitable traversing equipment to undertake survey with vertical accuracy of + 0.1 m and horizontal accuracy of + 1 m. However, at least 3 lines of position should be used to determine location.

The contractor shall accurately delineate the various existing physical features such as drains, existing structures and road, hillock, houses, important town, villages en-route, roads, railways, embankments, bridges, tributaries, landmarks, critical locations to be protected, within the survey area and also mark important physical features which are adjacent to the survey area; important for orientation at the site as per directions of Engineer-in-charge, upto a width of 10m on either side of the River Banks. An index map covering all these features shall be included in the report.

## 2 HYDROGRAPHIC SURVEYS

### (a) Brief Scope of Work

- (i) Carrying out the Bathymetry Survey in the Water Spread area of the tank and cross sections at 50 m intervals with spot levels.
- (ii) ***Bathymetric survey shall be carried out as follows:***  
Cross sections are to be undertaken at suitable interval within the stretch of tank area.
- (iii) To establish 1 Nos. of TBM's showing X, Y & Z co-ordinates in longitude, latitude and with (X, Y) co-ordinate with reference to local co-ordinates and RL.
- (iv) Establishing vertical control (accuracy +0.1m) and establishing bench mark (accuracy + 5 millimeters) at suitable interval. Transfer of Bench Mark/datum w.r.t. MSL.
- (v) Establishing horizontal control and marking selected points on the shore at suitable intervals. (accuracy +1m).
- (vi) The agency shall mark the boundary line of the tank at the Full Tank Level (FTL) and Maximum Water Level (MWL) of the tank as per the instructions provided by the Engineer-in-Charge (EIC)
- (vii) The area designated for the hydrographic survey is based on the current water storage condition in the tank. However, if the water level decreases, the corresponding area should be surveyed using a topographic survey.

## **(b) Technical Specifications**

### **Establishment of Bench Mark**

The levels shall be on the basis of GTS bench marks in the vicinity. The contractor shall transfer the benchmark to the site. All levels shall be related to IMSL. New Bench mark shall be established either on existing abutments, Dam site or other monoliths which shall meet the stability requirement for bench marks specified by Survey of India. Alternatively, new bench mark of suitable type shall be built to survey of India standards. Value of bench marks shall be established to accuracy better than  $\pm 5$  millimetres.

## **(c) Establishment of Horizontal control and marking the selected points on shore**

Horizontal control established shall be properly connected to nearby G.T.S. or other points approved by Engineer-in-Charge.

## **(d) Establishment of Vertical Control**

The vertical control shall be established with suitable water level gauges and/or GTS Bench Marks within or near the survey area and simultaneous tidal observations shall be taken to reduce the soundings to a recoverable or approved MSL. Sites of water level gauges should be carefully selected to ensure the free flow of water levels to and from the gauge locations. Approval of the site engineer should be obtained for the location(s) of the water level gauge(s). For vertical control and determination of MSL, levelling between bench marks and to determine water level gauge zero etc. The levelling accuracy shall be  $\pm 0.10$  m. For recording of water levels, water level gauges shall be erected at approved locations. The water levels shall be recorded at interval not more than 15 minutes. However, time and height of low water shall be accurately determined.

## **(e) Carrying out Soundings**

The sounding data shall be recorded and reported at an interval of 10m interval in deep channel portion and 5 m interval over spill reach/shoals/large islands. Soundings shall be carried out using suitable equipment which yield accuracy of  $\pm 0.10$  m or better. **Continuous recording type of eco sounder shall be used for this survey.** Relevant environmental parameters which effect accuracy of echo-sounding shall be measured regularly and appropriate correction shall be applied. 'Bar Checks' shall be carried out daily before commencement and after completion of days' work. Bar Check equipment/tackle and its calibration shall be got approved from Engineer-in-Charge. ECO Rolls shall be got countersigned by WAPCOS officials and shall be submitted to WAPCOS along with the Survey Reports.

## **(f) Position Fixing**

For position fixing the contractor shall use a suitable position fixing equipment with horizontal positional accuracy of  $\pm 1$  m. The contractor may however propose alternative position fixing system that meets above mentioned positional accuracy, provided at least 3 lines of position can be used to determine position. The position fixing system shall be calibrated against a most accurate system or a fixed base line before deployment to the satisfaction of Engineer-in-Charge. While taking soundings vessel shall be moved at a slow speed (not greater than 3 knots).

## **3 Reporting Pattern**

- (i) If any tank involves both Topographic and Hydrographic survey, both the survey data to be combined for the developing the contours

- (ii) A survey report in triplicate describing the conduct of the survey along with a soft copy and all observed data, along with original records viz. calculations field books, measurement books, Eco-rolls etc. shall be submitted to WAPCOS Ltd. The data furnished shall be adequate to re-plot the survey chart independently on the basis of these documents.
- (iii) The charts shall be plotted at 1:1000 scale or any other scale as directed by Engineer-in-Charge. U.T.M. grid and geographical grid shall be marked on the chart as per normal cartographic practice. Soundings shall be shown in meter and decimeters and shall be reduced to Chart Datum. **Contours shall be marked at 0.5 m interval.** On the chart the soundings shall be marked duly showing high water and low water lines, delineation of shoals, symbols and legends, Northline etc. As the area covered shall be in more than one chart, the contractor shall provide a single chart (Index Map) in triplicate. All charts/maps should display reference to the ground station and datum based on which the controls are fixed and shall indicate date/time of surveys and name of person in-charge carrying out the surveys.
- (iv) Master copy of each chart, map shall be provided on stable film (RTM) along three hard copies and one soft copy on Compact Disc in a format compatible with AUTOCAD.
- (v) The contractor shall also integrate the topographic survey map with hydrographic survey. The topographic survey map will be provided by us.
- (vi) The contractor shall submit survey reports as per specification laid down. However, the contour shall be marked at an interval 0.5 m on the survey charts.
- (vii) Survey maps shall be plotted at 1:1000 scale. An Index Map (Single Chart) showing entire area of survey and the physical features mentioned above shall also be prepared and submitted in triplicate along with soft copy as specified.
- (viii) In addition to the above a longitudinal section of the deepest channel in the sea for establishing the sea bed profile shall be provided. The scale of the L-section shall be decided by Engineer-in-charge.
- (ix) An Index Map (Single Chart) showing the entire area of survey and the physical features mentioned above shall also be prepared and submitted in triplicate along with soft copy as specified.
- (x) **The contractor shall also integrate the topographic survey data/ map with hydrographic survey data and to create a unified contour map for the tank.**
- (xi) **The agency shall mark the boundary line of the tank at the Full Tank Level (FTL) and Maximum Water Level (MWL) of the tank as per the instructions provided by the Engineer-in-Charge (EIC)**
- (xii) **The quantity area given for the hydrographic survey is based on the current water storage condition in the tank. However, if the water level decreases, the corresponding area should be surveyed using a topographic survey.**
- (xiii) **Geotagging of the tank should be performed to accurately record its geographical coordinates**

#### 4 Photographs:

Photographs of important locations in and around the project site are also to be included in the survey reports.

## 5 Tanks in Puducherry Region

Sl. No.	Name of System Tanks	Water Spread Area (Ha)
<b>PUDUCHERRY MUNICIPALITY</b>		
1	Olandai Tank	42.57
2	Murungapakkam Tank	41.08
<b>VILLIANUR COMMUNE</b>		
3	Ousteri Tank	802.8
4	Thondamanatham Vellaveri	35.79
5	Thirukanji Tank	3.49
6	Kilagraharam Tank	1.11
7	Melsathamangalam ( or) Keezsathamangalam Tank	25.5
8	Sivaranthagam Tank	8.07
<b>ARIYANKUPPAM COMMUNE</b>		
9	Abishegapakkam Tank	42.43
<b>NETTAPAKKAM COMMUNE</b>		
10	Mannapanthangal of Karikalampakm Tk.	1.1
11	Karikalampakkam Tank	4.33
12	Korkadu Tank	65.26
13	Embalam Vakraneri	14.97
14	Embalam Sitheri	1.52
15	Embalam Vannaneri Tank	13.89
16	Pandacholanallur Tank	24.06
17	Nettapakkam Tank	29.87
18	Maducarai Tank	15.67
<b>MANNADIPET COMMUNE</b>		
19	Katteri Puduthangal	4.1
20	Katteri Pazhathangal	3.42
21	Katterikuppam Tank	49.8
22	Thethampakkam Tank	8.9
23	Kaikalapet Tank	3.42
24	Kodathur Tank	5.6
25	Chettipet Tank	6.89
26	Koonichampet Pudueri	15.02
27	Kunichampoet Pazhaeri	16.12
28	Mannadipet Tank	4.17
29	Thirukkanur Perieri	18.43
30	Thirukkanur Chinneri	18.32
31	Sompet Tank	22.95
32	Vadhanur Tank	106.37
33	Sanyasikuppam Tank	4.1
34	Thiruvandarkoil Tank	16.45



<b>Sl. No.</b>	<b>Name of System Tanks</b>	<b>Water Spread Area (Ha)</b>
35	Madagadipet Tank	20.93
36	Nallur Tank	25.54
37	Thirubuvanai Tank	6.02
	<b>BAHOUR COMMUNE</b>	
38	Pidarikuppam Tank	4.1
39	Panayadikuppam Sitheri Tank	0.76
40	Panayadikuppam Perieri Tank	65.91
41	Karaiyambuthur Odaperi	91.44
42	Karaiyambuthur Vannaneri	18.58
43	Manamedu Tank	7.63
44	Kaduvanur Tank and Ottanthangal Tank	19.55
45	Bahour Tank	321.55
46	Aranganur Tank	2.96
47	Seliamedu Tank	4.59
48	Adingapet Tank	2
49	Kirumambakkam Tank	65.25
50	Pinnatchilkuppam Tank	1.15
51	Kudiyirupupalayam (or) Pirivupalayam Tk.	2.41
52	Manapet Tank	22.67
53	Utchimedu Tank	5.1
54	Keelparikalpet Tank	8.05
55	Melparikalpet Tank	6.6
56	Arachikuppam Tank	5.13
57	Kuruvinatham Tank	9.58
58	Irulansandai Tank	5.7
59	Bahour Sitheri	5.65

Sl. No.	Name of Non-System Tanks	Water Spread Area (Ha)
<b>OULGARET MUNICIPALITY</b>		
1	Alankuppam Tank	8.57
2	Kanaganeri Tank	12.04
<b>VILLIANUR COMMUNE</b>		
3	Kadaperi Tank	15.7
4	Thuthipet Tank	9.44
5	Karassur Tank	16.8
6	Sedrapet Perieri	18.6
7	Sedrapet Sitheri	5.98
8	Ariyur Tank	7.9
9	Pangur Tank	6.27
10	Mangalam Tank	2.93
11	Uruvaiyar Tank	3.08
12	Perungalour Perieri	3.47
13	Perungalour Chinneri	2.85
14	Kilur Tank	1.94
<b>MANNADIPET COMMUNE</b>		
15	Kuppam Tank	3.75
16	Suthukeny Otteri	7.59
17	Suthukeny Perieri	25.8
18	Manalipet Tank	4.3
19	Sorapet Perieri	20.82
20	Sorapet Pudueri	5.2
21	Vambupet	11.07
22	Kalitheerthalkuppam Tank	10.7
<b>NETTAPAKKAM COMMUNE</b>		
23	Eripakkam Tank	5.9
24	Suramangalam Tank	8.03
25	Kariamanikkam Tank	12.4

### Feeder/Supply Channels

SI No.	Name of Channels	Length in (m)	Width in (m)
1	Veedur channel from Lingareddipalayam to Katterikuppam tank	4290	3.6
2	Suthukeny channel from Suthukeny to Pathukannu	11900	7
3	Thondamanatham vellavari Feeder Channel	1285	5
4	Sedarapet Sitheri Feeder Channel	2000	4.5
5	Vikkiravandy main Channel	13460	6.3
6	Vikkaravandy main channel upto Thirukkanur Periya eri	2630	3.2
7	Vikkaravandy main channel Kunichampet pazhaya eri to pudueri	1765	3.5
8	Vikkiravandy main ChannelThirukkanur china eri	1950	2.5
9	Vikkiravandy main Channel upto Chettipet eri	1290	3.5
10	Vikkiravandy main Channel upto Kaikkalpet eri and Kodathur eri	1960	3.5
11	Vakkur feeder channel from Vakkur shutter to vadhanur tank	10184	4
12	Pillaiyar kuppam Authuvoikkal from pillaiyar kuppam to villianur	7500	4.5
13	Authuvoikkal from villianur to Olandai and Murungapakkam tank	11730	4.5
14	Feeder channel to Muttrampet Eri	800	4
15	Konamoonchi feeder channel to Vadanur Eri	3670	4
16	Koraikeni channel (Odai)	1500	7
17	Abishegapakkam Tank main feeder channel (Authuvoikkal) from Kumaramangalam Bridge to Abishegapakkam tank.	2320	26
18	Abishegapakkam Tank Secondary Feeder channel (Malaridikkal voikkal)	2400	3
19	Thirukanchi tank feeding channel	4300	3
20	Korkadu tank feeding channel from Kizhur Anicut to Korkadu tank	7100	4.5
21	Sivaranthagam tank feeder channel to the Embalam Section	2600	3
22	Embalam Kunjan Odai from 10 vent regulator to Korkadu tank feeder	2300	5
23	Sathamangalam tank feeding channel	1400	2.5
24	Embalam Vannan Eri feeding channel	900	3
25	Embalam Vakkran Eri feeding channel	1500	3
26	Nettapakkam tank and Pandasozhanallur tank feeding channel	4200	3
27	Main feeding chanel of Maducarai tank (Nari Odai)	1600	3
28	Kariyamanickam tank feeding channel	1300	3
29	Maducarai Tank secondary feeding channel (Vella vari voikkal)	1900	3.5
30	Eripakkam tank feeding channel	1650	3.5
31	Sooramangalam tank feeding channel	1460	3

SI No.	Name of Channels	Length in (m)	Width in (m)
32	Feeding channel of Nallur tank, Madhagadipet tank and Thirubuvanai tank (Seelangal channel)	8500	3
33	Feeding channel of Thiruvandarkoil tank and Sanniyasikuppam tank)	2600	3
34	Bangaru voikkal Main feeder canal	14500	17
35	Sitheri Main feeder canal	7000	4.5
36	Nathamedu main channel (Bahour Tank)	7000	7.5
37	Kuddiankippam main feeder channel	10000	4.5
38	Kirumampakkam feeder channel-1	2960	2.7
39	Kirumampakkam feeder channel-2	3500	3.5
40	Sitheri-II feeder Canal (Acro Odai)	4000	4.5
41	Aranganur thankal feeder	2900	3.5
42	Seliamedu thankal feeder	2550	3.5
43	Kuddiyankuppam thankal feeder	1750	3
44	Pinnachikuppam thangal feeder	2350	3.5
45	Adhingapet thangal feeder	2850	3.4
46	Irulanchanthai thankal feeder	3500	3.6
47	Manapet thankal feeder	5850	5
48	Keezhparikal pet feeder channel	1258	3.5
49	Utchimedu feeder channel	1840	3
50	Sadakulam thankal feeder	2600	3.5
51	Aratchikuppam thankal feeder	5000	4.5
52	Kurivinatham feeder channel	250	4.5
53	Melparikkal pet tank feeder channel	1700	3
54	Bahour sitheri feeder channel	700	3.5
55	Panaiyadikuppam peri eri feeder channel	750	2
56	Panaiyadikuppam sitheri feeder channel	610	2
57	Karaiyamputhur Odaperi feeder channel (Keezhari)	3550	3
58	Karaiyamputhur Vannan eri feeder channel	450	2.5
59	Manamedu eri feeder channel	910	3
60	Kaduvanur Eri feeder channel	780	2.5
61	Abishegapakkam Pallavoikkal Channel	4300	3
62	Abishegapakkam Mettu Channel	2800	2.2

### Rural Surplus Channels

SI No	Name of the Canals / Channels	Length (m)	Average Width (m)
1	Ousudu tank surplus Channel	2500	15
2	Suthukeny Peria eri Surplus	1900	2.5
3	Lingareddi palayam – Vellavari	2000	2
4	Lingareddi palayam – chinna Vellavari	2500	2.5
5	Vadanur tank surplus	1420	5.5
6	Kaikalapet tank surplus Channel	1500	3.5
7	Sorapet tank surplus Channel	4100	10
8	Abishe pakkam tank surplus Channel	2100	3
9	Uruvaiyar Pallavoikkal (drainage) Channel	2550	2.8
10	Perungalore tank surplus Channel	1700	5
11	Korkadu tanksurplus Channel	800	3.5
12	Sivaranthagam tank surplus Channel	1000	3
13	Sathamangalam tank surplus	500	4
14	Korkadu tank surplus (Thanikuppam channel)	2000	4.5
15	Embalam vannan eri surplus	300	2.5
16	Embalam vakkaran eri surplus	500	2.5
17	Nettapakkam tank surplus channel	1300	3
18	Pandasozhanallur Authuvoikkal	2500	3
19	Thirubuvainai tank surplus	1000	3.5
20	Manapet tank surplus upto sub – station	780	3.3
21	Utchimedu tank surplus course	3700	10
22	Bahour tank surplus course	8350	17
23	Kirumampakkam tank surplus course	4350	3.5
24	Kirumampakkam tank surplus course from Chavadikulam	2500	3.5
25	Kaduvanur (ural kuttai voikkal) Surpluse Course	5300	5
26	Kuruvinnatham tank surplus course	1235	6
27	Keezhparikkalpet tank surplus course	750	8
28	Manamedu tank surplus course	1250	3
29	Karaiyamputhur vannan eri surplus course	450	8
30	Melparikkalpet tank surplus course	750	6

**Note:**

**A few tanks, supply /surplus channels in the above list may be added or removed as per the project requirements. The priority of the survey of the tanks/channels shall be finalised from the above list as per the instructions of the Engineer-in-Charge/Department official.**

## **SECTION V**

### **FORMS**

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

To  
The Project Manager  
WAPCOS Limited,  
Chennai

**Sub: Carrying out the Topographic & Hydrographic Surveys for Repair, Renovation and Restoration of Tanks, Puducherry**

Ref: -

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.

**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	Com p. 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  
Project Manager  
WAPCOS Limited  
Chennai

**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 last 5 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  
The Project Manager,  
WAPCOS Limited,  
Chennai

**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 above tender 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,  
The Project Manager  
WAPCOS Limited,  
Chennai

**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

**Signature of Tenderer**

**Signature of WAPCOS**

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  
The Project Manager  
WAPCOS Limited,  
Chennai

**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 31.03.2024 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  
Project Manager  
WAPCOS Limited  
Chennai

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  
Project Manager  
WAPCOS Limited  
Chennai

**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 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  
Gurugram

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**

- 1.0 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.

#### **1.1 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 Carrying out the Topographic & Hydrographic Surveys for Repair, Renovation and Restoration of Tanks, Puducherry

To,  
The Project Manager  
WAPCOS Limited  
Plot No. 990, 50th Street, TVS Colony,  
Collector Nagar, Anna Nagar West Extn,  
Chennai- 600101, Tamil Nadu  
Tel: +91-44-26540477, +91-44-26541375,  
+91-44-26541374

I/We the undersigned, having carefully examined and understood the documents on which quotation to be based, hereby agree to carry out the aforesaid Topographic & Hydrographic Surveys 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, **carrying out the Topographic & Hydrographic Surveys for Repair, Renovation and Restoration of Tanks, Puducherry** is,  
Rupees

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(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>Carrying out the Topographic &amp; Hydrographic Surveys for</b> <b>Repair, Renovation and Restoration of Tanks, Puducherry</b>					
<b>S No</b>	<b>Item Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount (Rs.)</b>
<b>1.</b>	<b>TOPOGRAPHIC SURVEY</b>				
(a)	Topographic survey (as indicated in the TOR) including establishment of controls, levelling and delineation of Physical features @ cross sections / spot levels as mentioned in Section IV/ Scope of work for the Tank Bund, Feeder Channel, Surplus Channel and Field channel components	Km	400		
(b)	Rate for topographic survey per additional km as per the same specifications as above in 1 (a).	Km	Rate only		
(c)	Reporting and charting as specified in the scope of work		L.S.		
<b>2.</b>	<b>HYDROGRAPHIC SURVEY</b>				
(a)	Mobilization to Site		L.S.		
(b)	Demobilization from Site		L.S.		
(c)	Hydrographic survey including establishing horizontal and vertical controls as mentioned in Section IV/ Scope of work	Km <sup>2</sup>	10		
(d)	Rate for Hydrographic survey per additional Sq. km as per the Sl.No.2(c)	Km <sup>2</sup>	Rate only		
5	GST			18%	
<b>Grand Total including GST</b>					
<b>In Lakh</b>					
<b>Note:</b>	Quoted price shall be inclusive of all levies and taxes except GST as applicable and shall be paid extra as above.				

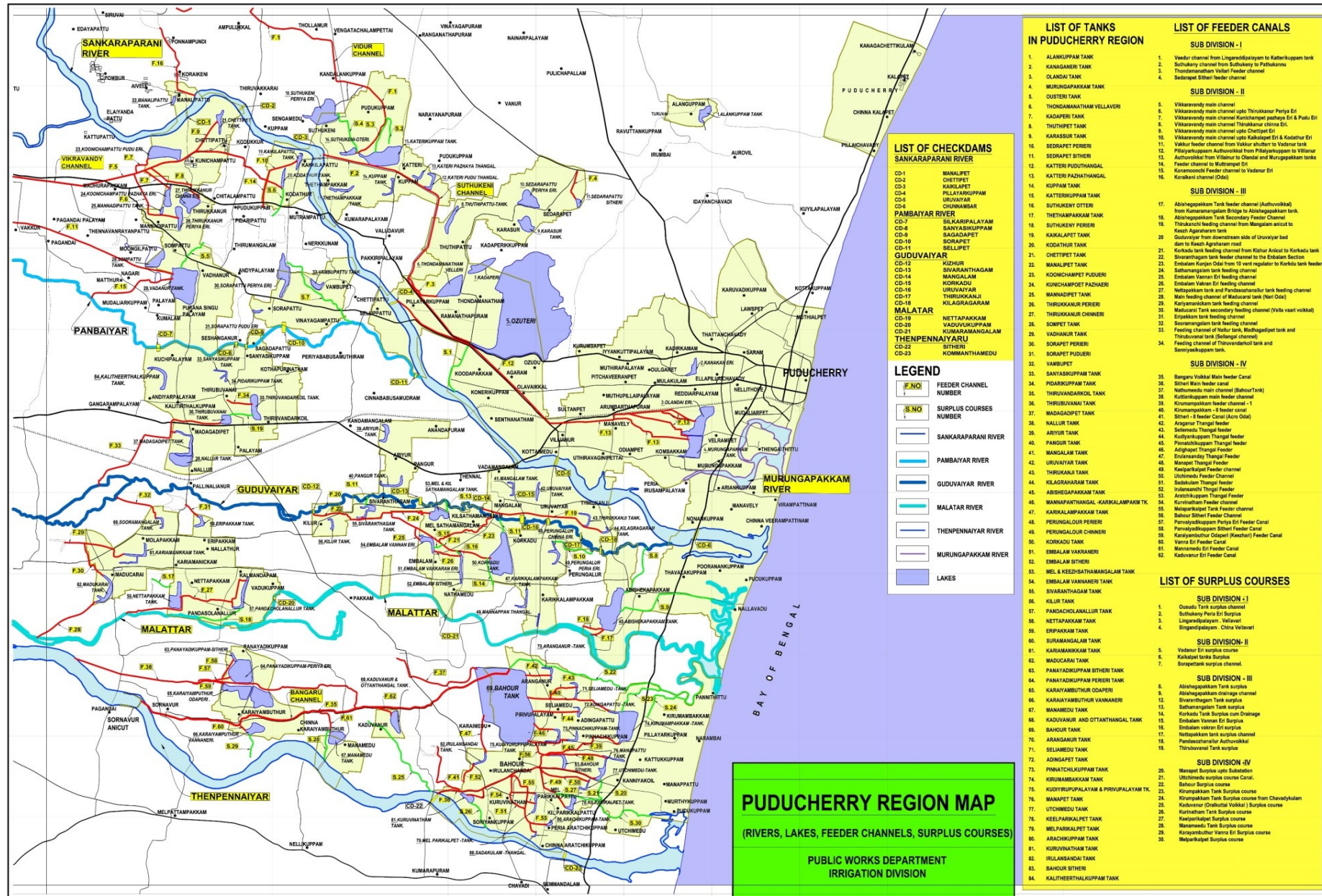
	<i>Visit charges, transportation charges, DA, out of pocket expenses, lodging and boarding charges or any other charges shall not be paid to any partner/ representative of the firm for visit places and work site till the scope of work is completed. All the above charges shall deemed to be considered in the fee quoted under the price bid.</i>
	<i>The Rates are including cost of tools, equipment's, mobilization, demobilization, pontoon, machinery etc. at any places of Puducherry.</i>
	<i>Quantity mentioned may vary <math>\pm 10\%</math> according to the site conditions.</i>
	<i>The quantity area given above for the hydrographic survey is based on the current water storage condition in the tank. However, if the water level decreases, the corresponding area should be surveyed using a topographic survey.</i>
	<i>Payment will be made according to actual executed quantity and same unit price.</i>
	<i>Payment shall be made to the agency on receipt of the payment from the client (Back-to-Back basis)</i>
	<i>WAPCOS Limited will not pay any amount as advance to the selected bidder.</i>
	<i>All tests should be carried out through NABL accredited laboratory.</i>
	<i>Do not fill the Summary of Cost (BOQ) at the time of submission of technical bid.</i>
	<i>No additional payment will be allowed above the rates quoted on any account.</i>

*Date:*

**Signature of bidder**

*Place*

# OVERALL IRRIGATION MAP SHOWING PUDUCHERRY REGION



## LIST OF TANKS IN PUDUCHERRY REGION

1. ALANKUPPAM TANK
2. KANAKAMANGALAM TANK
3. OLANDA TANK
4. MURUNGAPAKKAM TANK
5. OUSTERI TANK
6. THONDAMNATHAN VELLAVARI
7. KADAPERI TANK
8. KARASUR TANK
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## LIST OF FEEDER CANALS

1. Vedar channel from Lingardipalayam to Katturkuppam tank
2. Submarine channel from Submarine to Puthuam
3. Thondamannan Veller Feeder channel
4. Sedapet Sither Feeder channel
5. Vikaravandi main channel
6. Vikaravandi main channel upto Thirukannur Periya Eri
7. Vikaravandi main channel Kunichampattay Eri & Pudu Eri
8. Vikaravandi main channel Thirukannur china Eri
9. Vikaravandi main channel upto Chettipatt
10. Vikaravandi main channel upto Kallalpet Eri & Kottur Eri
11. Vikaravandi main channel upto Pithaykuppam to Villanur
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## LIST OF CHECKDAMS SANKARAPARAN RIVER

- CD-1 MANALPET
- CD-2 CHETTIPET
- CD-3 KALLALPET
- CD-4 PILLAYARKUPPAM
- CD-5 UDUYAIYAR
- CD-6 OTHUMMAR
- CD-7 SILKARIPALAYAM
- CD-8 SANYASIKUPPAM
- CD-9 SAGADAPET
- CD-10 SORAPET
- CD-11 SELLIPET
- CD-12 KUDUR
- CD-13 SIVASANTHAGAM
- CD-14 MANGALAM
- CD-15 KODAGU
- CD-16 UDUYAIYAR
- CD-17 THIRUKKANAI
- CD-18 KILAGARAGAM
- CD-19 NETTAPAKKAM
- CD-20 VADUVUKUPPAM
- CD-21 KUMARANGALAM
- CD-22 UDUYAIYAR
- CD-23 SITHERI
- CD-24 KOMMANTHAMEDU

## LEGEND

- F.NO FEEDER CHANNEL NUMBER
- S.NO SURPLUS COURSES NUMBER
- SANKARAPARAN RIVER
- PAMBAYAR RIVER
- GUDUVAIYAR RIVER
- MALATTAR RIVER
- THENPENNAIYAR RIVER
- MURUNGAPAKKAM RIVER
- LAKES

## LIST OF SURPLUS COURSES

1. Oostu Tank surplus channel
2. Submarine Tank surplus channel
3. Lingardipalayam Tank surplus channel
4. Engalipalayam Tank surplus channel
5. Vikaravandi Tank surplus channel
6. Kallalpet Tank surplus channel
7. Sordapet Tank surplus channel
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