



**WATER CORPORATION OF ODISHA
OFFICE OF THE CHIEF EXECUTIVE OFFICER, WATCO**

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EOI Identification No. CEO, WATCO-50-23/24 Dated:04.03.2024

NOTICE INVITING EXPRESSION OF INTEREST (EOI) FOR APPOINTMENT OF ELIGIBLE AGENCY / FIRM FOR "DESIGN & DEVELOPMENT OF WEB BASED APPLICATION FOR LIVE MONITORING & COMMAND CONTROLLING OF ALL ZONE/ DMA & SUB DMA OF CITY/ ULB FOR 24X7 DRINK FROM TAP MISSION"

1. Introduction

Water Corporation of Odisha (WATCO) is a state PSU under the administrative control of Department of Housing & Urban Development Department, Government of Odisha, which was incorporated under the sec.8 of Companies Act, 2013 on 24.11.2015. At present, it is proposed to "Design & Development of Web based application for live monitoring & command controlling of all zone/ DMA & Sub DMA of city/ULB for 24x7 Drink from Tap Mission.

2. Instructions to the Bidders

- a) The Bidders are required to submit the Technical and Financial bids in two separate sealed packets repacked in one sealed packet so as to reach to CEO, WATCO, Bhubaneswar by 02.04.2024 by 5.00 PM.
- b) WATCO will not pay any charges, what so ever for the proposals for the above scope of work up to the Power Point Presentation / Preparation of drawings/ detailed proposal etc. and will not carry any commitment to its acceptance.
- c) The finally selected Bidder has to submit demand Draft/Bank Guarantee of Rs.50,000/- (Rupees Fifty Thousand) only pledged in favour of WATCO, Bhubaneswar valid till the end of the project as Initial security deposit, before drawl of Agreement.

3. Technical Bid

For Technical Evaluation of the Expression of Interest (EOI), the participants are required to submit the self-attested copies of the following,

- a) Credentials of the Firm. (Year of Establishment, Major Project Completed, Major Projects in Hand etc.).
- b) Details of completed works for Web Based or Browser based application for monitoring & command Controlling of all Zone/DMA & Sub DMA of City/ULB of 24x7 Drink for tap mission may be obtained from the competent of Authority of Govt. Organization/ /PSUs.
- c) List of similar nature of works (Copy of Letter of Acceptance/ Work order is to be enclosed).
- d) Details of Web based Application (Number of Surveyors, Engineers and other technical staff employed in the firm with their years of experience)
- e) Turnover for the last 5 years ending March 2024.
- f) PAN & GST Registration Number
- g) Submission of an affidavit certifying the genuity of all the documents submitted is mandatory.
- h) An affidavit indicating that they have not been entangled in any litigation with any of their employer in the last 5 years ending March-2024.
- i) Conditionals offers from bidders will not be entertained.
- j) Demand Draft for **Rs.7080 (6000 + 18% GST)** only towards Cost of bid document (non-refundable)

The submitted documents of short-listed firm will be verified with the original by WATCO on the date and time to be intimated in due course.

4. Financial Bid

The financial offer should be both in figures and words. The estimated cost of the project based on completion drawing will be treated as the total cost for calculating the final amount of fees towards Web application works. The quoted rates should be excluding GST. GST will be paid extra as applicable.

5. SCOPE OF THE WORK:

The scope of work broadly includes the following:

Web Application shall be customisable & configurable consisting of the following features:

- Application should be centrally accessible on server for monitoring with Command to PLC's for controlling every activity remotely.
- All data fetched from PLC will be stored in server database and data should be transferred in secured Encrypted protocol.
- Data Storing of all sensors from PLC will be in every 5 second interval.
- Real time Monitoring of all sensors, Control Valves, Actuators, Level Transmitters, Pressure transducers, Motor and other equipment as available at DMA's data via PLC should be available every 5 second interval.
- Real time Graph chart for monitoring of different statistics should be available.
- Web Application should be compatible on Windows, Android & IOS for all browsers like Microsoft Edge, Google Chrome, Mozilla and other.
- Software should have facility for addition of new activities as and when required.

OBJECTIVE:-

- To provide a Web Based or Browser based application for monitoring & command controlling of all Zone/DMA & Sub DMA of City/ULB of 24x7 Drink for tap mission.
- Application should be accessible from central server as well as Windows, mobile based for Android and IOS.
- Encrypted data from DMA & Sub DMA should be stored at secured Central Database.
- Real time data should be available at server in form of text, Line Graphs & Bar graphs, Trends with auto data refresh in every 5 second.
- Application should have remote Control and Command over operation with Notification/Alert for breakdown, Malfunction & Pipeline Leakage/ Burst in real time.
- Record of previous data should be available for any time frame.
- Visual representation on Map of DMA's, Sub DMA's, Pipelines & nodes showing status of running, stopped, active, inactive and malfunctions including leakages in pipe lines.
- Real time reporting, efficient analytics of information for decision making.

Evaluation will be done out of 50 marks as detailed below. (20+20+10)

A. Credential Score: - Maximum Mark 15 (5+8+2)

(i) Year of establishment- Maximum 5marks based on the information and credentials submitted by the Bidder in terms of past experience & rendering consultancy services in the field of Web Based or Browser based application in same name and style at least since last five years ending 31st March-2023-24 -5 Marks

(ii) Work Experience: Completion of a Web Based or Browser based application for monitoring & command Controlling of all Zone/DMA & Sub DMA of City/ULB of 24x7 Drink for tap mission -8 Marks

(iii) Documents establishing Development of Web Application should be with PHP, Java Script, HTML & CSS -2 Marks

B. Proposal Score: Concept Plan (Power Point Presentation) –Maximum Mark 25

The bidders securing credential score of 10 marks will be required to make Power Point presentation on the project concept before the Technical Evaluation Committee. The bidders shall be intimated by WATCO through fax/email/letters regarding the date, time & venue of the Power Point presentation. The Project Concepts submitted by the bidder as a part of the technical proposals and the presentation made thereon shall be evaluated and given scores (Proposal Score) by the Technical Evaluation Committee. Based on the proposal score, financial bids received from maximum best three (3) bidders will be opened which will be binding on the bidders.

C. Financial Score: Opening of Financial Proposal: Maximum Mark 10

Financial proposals of those bidders short listed by the Technical Evaluation Committee shall be opened and evaluated in presence of such bidders.

Financial proposals shall be computed in the following manner.

The lowest financial proposal will be given a financial score of 10 marks. The financial scores of other proposals will be computed as follows.

- $FS1 = 10 \times FL1/F1$
- FS1- Marks obtaining by the bidder under consideration
- F1= Financial proposal in % (percentage) by the bidder under consideration.
- FL1 = Financial proposal in % by the lowest bidder

Combined Scoring –

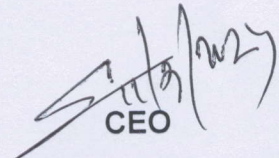
The Firm getting highest combined score (Credential score + Proposal Score + Financial Score) will be selected as preferred bidder and work will be awarded to the firm.

The finally selected firm has to enter into an agreement with WATCO within 15 days of issue of LOA in a non-judicial stamp paper costing Rs.100/- (to be procured & submitted by the selected firm).

6. Time Schedule Mile Stone

The work must be completed within a period of 90 days.

This being a time bound project, there will be no compromise on timely completion of the project. Liquidated damage @ Rs.2000.00/per every week of delay in submission of final product as per the above time schedule will be recovered from the Consultancy fees due to the firm. However total Liquidated damage recovered will be maximum 10% Of the consultancy fees.


CEO
WATCO, BHUBANESWAR.

Prescribed format for submission of EOI

1. Name of the Firm
2. Address
 - i) Address:
 - ii) Telephone No.:
 - iii) Email Address:
 - iv) PAN Number:
 - v) GST Regd. No.:

Sl. No.	Particulars	Documents
1	Year of Establishment & Registration of Firm(s)	
2	Turnover for the last 5 years ending March 2024.	
3	Work Experience	
4	Experience in Web Based Application	

5	Details of Development of Web Application (Number of Surveyors, Engineers and other technical staff employed in the firm with their years of experience)	
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Note:

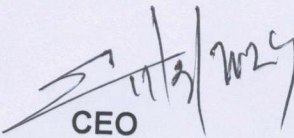
- Documentary evidence of all the information as stated above are to be furnished along with the offer.
- All the pages of the terms & conditions and these documents are to be signed with seal of the firm and submitted as token of acceptance of all terms including fee offered.

(Sign & seal of the Partner of the firm)

TO THE OFFICE OF THE CEO, WATCO
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BILL OF QUANTITIS

Sl.no.	Item	Rate (per DMA)	Rate
1	<ul style="list-style-type: none"> • To Provide a Web Based or Browser based application for monitoring & command Controlling of all Zone/DMA & Sub DMA of City/ULB of 24x7 Drink for tap mission. • Application should be accessible from central server as well as Windows, mobile based for Android and IOS. • Encrypted data from DMA & Sub DMA should be stored at secured Central Database. • Real time data should be available at server in form of text, Line Graphs & Bar graphs, Trends with auto data refresh in every 5 second. • Application should have remote Control and Command over operation with Notification/Alert for breakdown, Malfunction & Pipeline Leakage/Brust in real time. • Record of previous data should be available for any time frame. • Visual representation on Map of DMA's , Sub DMA's, Pipelines & nodes showing status of running, stopped, active ,inactive and malfunctions including leakages in pipe lines. • Real time reporting, efficient analytics of information for decision making. • Assets of water supply network to be visulaised through application indicating data for meter,pressure flow quality on real time condition. 		


 CEO

WATCO, BHUBANESWAR.