



GOVERNMENT OF INDIA

मध्य ब्रह्मपुत्र डिवीजन
MIDDLE BRAHMAPUTRA DIVISION
केंद्रीय जल आयोग
CENTRAL WATER COMMISSION

**“Procurement of Lab Instrument (Ion Meter) under M.B.
Division, CWC, Ghy for the year 2018-2019”**

N. I. T. No. 6/7/Tender-MSD/DB/2015-MBD/310-18

Dated: - 08.02.2019

Certified that this tender document contains 15 Pages

Executive Engineer Ph: 0361-2674267
Middle Brahmaputra Division Fax: 0361-2674267

Last date & time for submitting bid is 13:00 hrs on 25.02.2019
Opening date & time of bid is 15:00 hrs on 25.02.2019

**IMPORTANT NOTE:- i. BIDDER SHOULD SUBMIT THE TENDERS
ONLINE ONLY.**

**ii. BIDDER SHOULD READ ALL THE
INSTRUCTIONS THOROUGHLY BEFORE
SUBMITTING THE TENDER AND ADHERE TO
THE DATES GIVEN**

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GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING E-TENDER

1. Items rate E-tenders is invited on behalf of the President of India from approved and eligible Authorized/reputed Suppliers/contractor for **Procurement of Lab Instrument (Ion Meter) under M.B. Division, CWC, Ghy for the year 2018-2019** (Schedule-A)
 - 1.1 This estimate, however, is given merely as a rough guide.
 - 1.2 Tenders will be issued to eligible C. P. W. D as well as non C. P. W. D contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:
Criteria of eligibility for issue of tender documents
 - 1.3 Conditions for NON CPWD contractors only:
 - 1.3.1 For works estimated to Three similar works each costing not less than Rs. _____ cost above Rs.25 lac but lacs during the last 5 years.
up to Rs. 2crores
 - 1.3.2 For works estimated to Three similar works each of value 40% of estimated cost or one work of cost above Rs. 2 crores
but up to Rs. 5 crores
 - 1.4 Conditions for CPWD as well as NON CPWD contractors.
 - 1.4.1 For works estimated to Tenders shall be invited from pre-qualified contractors only cost above Rs. 5 crores
- For the purpose of this clause 'similar work' means the works of-X
2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7/8 which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
 3. The time allowed for carrying out the supply will be 30(Thirty) days from the seventh day after the date of written orders to commence the supply order, in accordance with the phasing if any, indicated in the tender documents.
 4. The site for the work is available.
- OR
5. The site for the work shall be made available in parts as specified below:-
Issue of tender forms will be stopped one day before the date fixed for opening of tenders.
Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose E-tender may be accepted and other necessary documents can be seen in the office of the Executive Engineer, Middle Brahmaputra Division, Central Water commission, Guwahati-781014 between hours of 11.00 A.M. & 04.00 P.M. every day except on Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his office, during the hours specified above, on payment of Rs.500/- by Demand Draft only. In case tender form is downloaded, DD of Rs.500/- should be attached with the tender document, else the tender will not be accepted.
 6. The tenderer must produce an Income-Tax clearance certificate in the revised form as modified under Ministry of Finance O.M.No.67/30/69/ITAL dated 02.07.1970 as amended from time to time and other relevant documents before tender papers can be sold to him.
 7. E-Tenders at TCIL Electronic Tendering System, which should include all the details with the name of work and due date, will be received only by online this office up to 13:00 hrs. on 25.02.2019 and will be opened by him or his authorized representative in his office on 25.02.2019 at 15.00 hrs.
 - 8.1 The tender shall be accompanied by earnest money (unless exempted), of **Rs.9100/-(Rupees Nine Thousand one hundred only) through Treasury Challan/ Deposit at Call receipt of a Scheduled Bank/Fixed Deposit Receipt of a Scheduled Bank/ Demand Draft of a Scheduled Bank** issued in favour of Executive Engineer, Middle Brahmaputra Division, Central Water commission or as per provision of CPWD manual should reach this office in original form before the opening date of E-Tender. The fixed Deposit Receipt shall be accepted only if it is valid for six months or more after the last date if receipt of tenders and is pledged in favour of Executive Engineer, Middle Brahmaputra Division, Central Water commission, Guwahati. A contractor exempted from depositing earnest money in individual cases, shall enclose with the tender an attested copy of the letter exempting him and shall produce the original when called upon to do so.
 - 8.2 The tender and the earnest money shall be placed in separate sealed envelopes each marked "Tender" and "Earnest Money" respectively. In cases where earnest money in cash is acceptable, the same shall be deposited with the Cashier of the Division and the receipt placed in the envelope meant for earnest money.

- Both the envelopes shall be submitted together in another sealed envelope. The pass phrase created at TCIL Electronic Tendering System Portal in separate envelope must be submitted to this office together with EMD and Tender cost. Pass phrase submitted to this office and created at TCIL must be found in order and must be the same. Otherwise tender cannot be opened. The envelope mark "Tender" of only those tenders shall be opened, whose earnest money placed in the other envelope is found to be in order.
9. The description of the work as follows: As per the Specification/ schedule of work
Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer.
- Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affected their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contact documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
10. The competent authority on behalf of President of India does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the Assignment of a reason. All tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
11. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
12. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
13. The contractor shall not be permitted to tender for works in the CPWD Circle (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Assistant Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
14. No Engineer of Gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
15. The tender for the works shall remain open for acceptance for a period of ninety days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.
16. The successful tenderer will have to deposit (5% of tendered value) as Performance Guarantee/Security Deposit at the time of placing the work order within 7 days of the receipt of the formal order. The performance security will be furnished in the form of the Account Payee Demand Draft or Bank Guarantee drawn in favor of Executive Engineer, Middle Brahmaputra Division, Central Water Commission, and Guwahati. The performance guarantee should remain valid for the warranty period of 12 months beyond the date of installation of equipment.
17. This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the accepting-Authority, shall, within 15 days from the stipulated date of start of the work sign the contract or as applicable consisting of-
- (a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
- (b) Standard C. P. W. D Form 7/8


Signature of Divisional Officer/Sub-Divisional Officer
For & on behalf of President of India

STATE :-	Central	CIRCLE:-	H. O. Circle, Guwahati
BRANCH:-	CWC	DIVISION:-	M. B. Division, Guwahati
ZONE:-		SUB-DIVISION:-	

Percentage Rate Tender / Item Rate Tender & Contract for Works Tender for the work of Procurement of Lab Instrument (Ion Meter) under M.B. Division, CWC, Ghy for the year 2018-2019 (Schedule-A)

(A)

- (i) To be submitted by 13:00 hours on 25.02.2019 to Executive Engineer, M B Division, CWC, Guwahati
- (ii) To be opened in presence of tenderers who may be present at 15:00 Hours on 25.02.2019 in the office of Executive Engineer, M B Division, CWC, Guwahati

(Contractor)

Signature of officer issuing the documents

Designation	date of Issue
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TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document of the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by and in respects in accordance with, such conditions so far as applicable.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open sixty/ninety (60/90) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs.9100/- (Rupees Nine Thousand one hundred only)** has been deposited in cash/Receipt Treasury Challan/Deposit at call receipt of scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank as earnest money. If I/We fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated _____

Signature of Contractor
Postal Address

Clause 2
Authority for fixing

Compensation under clause 2

Clause 5

Time allowed for execution of work
Authority to give fair and reasonable
Extension of time for completion of work

20 Days from date of issue of work order/as specified
in CPWD-6
as applicable in CPWD works manual

MILE STONES

TABLE OF MILE STONE(S)

Sl. No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of milestone.
1			
2			
3			
4			
5			

OR

Sl. No.	Financial Progress Milestone (Physical)	Time allowed (from date of start)	Amount to be with-held in case of non-achievement of milestone.
1	20%	1/4 th (of the whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld for failure of each mile stone
2	70%	1/2 (-do-)	
3	90%	3/4th (-do-)	
4	Full	Full	

Clause 7

Gross work to be done together with net
Payment/adjustment of advances for material
Collected, if any, since the last such payment
for being eligible to interim payment

Clause

Specifications to the followed for Execution of
work

Clause 12

12.2 & 12.3

Deviation limit beyond which
clause 12.2 & 12.3 shall apply
for building work.....

12.5

Deviation limit beyond which
clause 12.2 & 12.3 shall apply
for foundation work.....

NOTE – Deviation limit shall be 30%, 50%, 100% as per O. M. No. DGW/CON/82
Dated 20.04.95

Clause 16

Competent Authority for deciding reduced rates

as applicable in CPWD works manual

Sub-standard work must be got rectified and if necessary may be redone. Acceptance of sub-standard work at reduced rates should be done only under exceptional circumstances. Total value of items at agreement rate for which the Superintending Engineer accept sub-standard work in a contract shall not exceed 5% of the contract value.

Clause 36

Minimum Qualifications & Experience required for Principal Technical Representative.

- (a) For works with estimated cost put to tender more than
- (i) Rs. 10 lakhs for Civil work
 - (ii) Rs. 5 lakhs for Elec/Mech works
- (b) For works with estimated cost put to tender
- (i) More than Rs. 5 lakhs but less
 - (ii) More than Rs. 1 lakh but less than Rs. 5 lakh for Elect/Mech works
 - (iii) Discipline to which the Principal Technical Representative should belong
 - (iv) Minimum experience of works
- Graduate or retired AE possessing at least recognized diploma.
- Recognized Diploma holder
Recognized Diploma holder
Civil / Elect. / Mech. _____ years

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be mad from the Contractor
		Rate in Schedule 'B' Plus 10% in case materials issued by department
		Excess beyond permissible variation Less use beyond the permissible variation

1. Cement
 2. Steel reinforcement
 3. Structural Sections
 4. Bitumen issued free
 5. Bitumen issued at stipulated fixed price
-
- v) Recovery to be affected from the Contractor in the event of Fulfilling provision of clause
- Clause 42
- (i) (a) Schedule / statement for determining Theoretical quantity of cement & bitumen on The basis of Delhi schedule of Rates _____ Printed by C.P.W.D.
- (ii) Cement for works with estimated cost 3% plus/minus
 - Tender not more than Rs. 5 lakhs
 - For works with estimated cost put to 2% plus/minus
 - Tender more than Rs. 5 lakhs
- (b) Bitumen for all works 2.5% plus only & nil on minus side
- (c) Steel Reinforcement and structural steel 2% plus/minus
- Sections for each diameter, section
- And category
- (d) All other materials Nil

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. _____
(Rupees _____)

The letters referred to below shall form part of the contract Agreement:

- i)
- ii)
- iii)

Dated _____	For & on behalf of the President of India
	Signature _____
	Designation _____

SPECIAL INSTRUCTIONS TO BIDDERS BY TCIL FOR E - TENDERING

The Special Instructions (for e-Tendering) supplement 'Instruction to Bidders', as given in these Tender Documents. Submission of Online Bids is mandatory for this Tender.

E-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Now, the Government of India has made e-tendering mandatory. Suppliers/ Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, Central Water Commission has decided to use the portal <https://www.tcil-indiaelectronicbidder.com> through TCIL, a Government of India Undertaking. This portal is based on the world's most 'secure' and 'user friendly' software from Electronic Tender®. A portal built using Electronic Tender's Software is also referred to as Electronic Tender System® (ETS). Benefits to tenderers are outlined on the Home-page of the portal.

Instructions

Tender Bidding Methodology:

Single Stage Envelope

Broad Outline of Activities from Bidder's Perspective:

Procure a Digital Signing Certificate (DSC)

Register on Electronic Tendering System® (ETS)

Create Marketing Authorities (MAs),

Users and assign roles on ETS

View Notice Inviting Tender (NIT) on ETS

For this tender -- Assign Tender Search Code (TSC) to a MA

Download Official Copy of Tender Documents from ETS

Clarification to Tender Documents on ETS

Query to Central Water Commission (Optional)

View response to queries posted by Central Water Commission

Bid-Submission on ETS

Attend Public Online Tender Opening Event (TOE) on ETS

– Opening of relevant Bid-Part

Post-TOE Clarification on ETS (Optional)

– Respond to Central Water Commission Post-TOE queries

Attend Public Online Tender Opening Event (TOE) on ETS

Opening of relevant part (i.e. Financial-Part)

(Only for Technical Responsive Bidders)

Participate in e-Reverse Auction on ETS

For participating in this tender online, the following instructions are to be read carefully.

These instructions are supplemented with more detailed guidelines on the relevant screens of the ETS.

Digital Certificates

For integrity of data and authenticity/non-repudiation of electronic records, and to be compliant with IT Act 2000, it is necessary for each user to have a Digital Certificate (DC). Also referred to as Digital Signature Certificate (DSC), of Class 2 or above, issued by a Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA) [refer <http://www.cca.gov.in>].

Registration

To use the Electronic Tender® portal <https://www.tcil-india-electronicbidder.com>, vendors need to register on the portal. Registration of each organization is to be done by one of its senior persons who will be the main person coordinating for the e-tendering activities. In ETS terminology, 16 this person will be referred to as the Super User (SU) of that organization. For further details, please visit the website/portal, and click on the 'Supplier Organization' link under 'Registration' (on the Home Page), and follow further instructions as given on the site. Pay Annual Registration Fee as applicable.

After successful submission of Registration details and Annual Registration Fee, please contact TCIL/ETS Helpdesk (as given below), to get your registration accepted/activated.

Important Note: To minimize teething problems during the use of ETS (including Registration process), it is recommended that the user should peruse the instructions given under 'ETS User-Guidance Centre' located on ETS Home Page, including instructions for timely registration on ETS. The instructions relating to 'Essential Computer Security Settings for Use of ETS' and 'Important Functionality Checks' should be especially taken into cognizance.

Please note that even after acceptance of your registration by the Service Provider, to respond to a tender you will also require time to complete activities related to your organization, such as creation of users, assigning roles to them, etc.

TCIL/ ETS Helpdesk Telephone/ Mobile Customer Support (0930 hrs to 1800 hrs, Monday to Friday except on gazetted holidays): +91-1126202699 (Multiple lines) Emergency Support Mobile Numbers: +919868393775, 9868393717, 9868393792 E-mail ID ets_support@tcil-india.com

Some Bidding related Information for this Tender (Sealed Bid)

The entire bid-submission would be online on ETS (unless specified for Offline Submissions). Broad outline of submissions are as follows: Submission of Bid-Parts/ Envelopes, Single-Part Submission of information pertaining Bid Security/ Earnest Money Deposit (EMD), Submission of digitally signed copy of Tender Documents/ Addendum,

Submission of General Terms and Conditions (with/ without deviations), Submission of Special Terms and Conditions (with/ without deviations).

Special Note on Security and Transparency of Bids

Security related functionality has been rigorously implemented in ETS in a multidimensional manner. Starting with 'Acceptance of Registration by the Service Provider', provision for security has been made at various stages in Electronic Tender's software. Specifically for Bid Submission, some security related aspects are outlined below: As part of the Electronic Encrypted™ functionality, the contents of both the 'Electronic Forms' and the 'Main-Bid' are securely encrypted using a Pass-Phrase created by the Bidder himself. Unlike a 'password', a Pass-Phrase can be a multi-word sentence with spaces between words (e.g. I love this World). A Pass-Phrase is easier to remember, and more difficult to break. It is recommended that a separate Pass-Phrase be created for each Bid-Part. This method of bid-encryption does not have the security and data-integrity related vulnerabilities which are inherent in e-tendering systems which use Public-Key of the specified officer of a Buyer organization for bid-encryption. Bid-encryption in ETS is such that the Bids cannot be decrypted before the Public Online Tender Opening Event (TOE), even if there is connivance between the concerned tender-opening officers of the Buyer organization and the personnel of e-tendering service provider.

CAUTION: All bidders must fill Electronic Forms™ for each bid-part sincerely and carefully, and avoid any discrepancy between information given in the Electronic Forms™ and the corresponding Main-Bid. For transparency, the information submitted by a bidder in the Electronic Forms™ is made available to other bidders during the Online Public TOE. If it is found during the Online Public TOE that a bidder has not filled in the complete information in the Electronic Forms™, the TOE officer may make available for downloading the corresponding Main-Bid of that bidder at the risk of the bidder. If variation is noted between the information contained in the Electronic Forms™ and the 'Main-Bid', the contents of the Electronic Forms™ shall prevail. Alternatively, the Buyer organization reserves the right to consider the higher of the two pieces of information (e.g. the higher price) for the purpose of short-listing, and the lower of the two pieces of information (e.g. the lower price) for the purpose of payment in case that bidder is an awardee in that tender. 17.

Typically, 'Pass-Phrase' of the Bid-Part to be opened during a particular Public Online Tender Opening Event (TOE) is furnished online by each bidder during the TOE itself, when demanded by the concerned Tender Opening Officer.

(Optional Text in EBI, depending upon the decision of the Buyer organization): Additionally, the bidder shall make sure that the Pass-Phrase to decrypt the relevant Bid-Part is submitted to Buyer Organization Name in a sealed envelope before the start date and time of the Tender Opening Event (TOE).

OR

Additionally, the bidder shall make sure that the Pass-Phrase to decrypt the relevant Bid-Part is submitted into the 'Time Locked Electronic Key Box (EKB)' after the corresponding deadline of Bid Submission, and before the commencement of the Online TOE. The process of submission of this Pass-Phrase in the 'Time Locked Electronic Key Box' is done in a secure manner by first encrypting this Pass-Phrase with the designated keys provided by the Buyer organization. There is an additional protection with SSL Encryption during transit from the client-end computer of a Supplier organization to the e-tendering server/ portal. Public Online Tender Opening Event (TOE) ETS offers a unique facility for 'Public Online Tender Opening Event (TOE)'. Tender Opening Officers, as well as, authorized representatives of bidders can simultaneously attend the Public Online Tender Opening Event (TOE) from the comfort of their offices. Alternatively, one/ two duly authorized representative(s) of bidders (i.e. Supplier organization) are requested to carry a Laptop with Wireless Internet Connectivity, if they wish to come to Buyer Organization Name office for the Public Online TOE. Every legal requirement for a transparent and secure 'Public Online Tender Opening Event (TOE)', including digital counter-signing of each opened bid by the authorized TOE officer(s) in the simultaneous online presence of the participating bidders' representatives, has been implemented on ETS.

As soon as a Bid is decrypted with the corresponding 'Pass-Phrase' as submitted online by the bidder himself (during the TOE itself), salient points of the Bids (as identified by the Buyer organization) are simultaneously made available for downloading by all participating bidders. The tedium of taking notes during a manual 'Tender Opening Event' is therefore replaced with this superior and convenient form of 'Public Online Tender Opening Event (TOE)'. ETS has a unique facility of 'Online Comparison Chart' which is dynamically updated as each online bid is opened. The format of the chart is based on inputs provided by the Buyer for each Bid-Part of a tender. The information in the Comparison Chart is based on the data submitted by the Bidders. A detailed Technical and/ or Financial Comparison Chart enhance Transparency. Detailed instructions are given on relevant screens. ETS has a unique facility of a detailed report titled 'Minutes of Online Tender Opening Event (TOE)' covering all important activities of 'Online Tender Opening Event (TOE)'. This is available to all participating bidders for 'Viewing/ Downloading'. There are many more facilities and features on ETS. For a particular tender, the screens viewed by a Supplier will depend upon the options selected by the concerned Buyer.

Other Instructions

For further instructions, the vendor should visit the home-page of the portal <https://www.tci-india-electronictender.com>, and go to the User-Guidance Centre. The help information provided through 'ETS User-Guidance Centre' is available in three categories – Users intending to Register / First-Time Users, Logged-in users of Buyer organizations, and Logged-in users of Supplier organizations. Various links (including links for User Manuals) are provided under each of the three categories. Important Note: It is strongly recommended that all authorized users

of Supplier organizations should thoroughly peruse the information provided under the relevant links, and take appropriate action. This will prevent hiccups, and minimize teething problems during the use of ETS.

SIX CRITICAL DO'S AND DON'TS FOR BIDDERS

Specifically for Supplier organizations, the following 'SIX KEY INSTRUCTIONS for BIDDERS' must be assiduously adhered to: 18

1. Obtain individual Digital Signing Certificate (DSC or DC) well in advance of your first tender submission deadline on ETS
 2. Register your organization on ETS well in advance of the important deadlines for your first tender on ETS viz 'Date and Time of Closure of Procurement of Tender Documents' and 'Last Date and Time of Receipt of Bids'. Please note that even after acceptance of your registration by the Service Provider, to respond to a tender you will also require time to complete activities related to your organization, such as creation of users, assigning roles to them, etc.
 3. Get your organization's concerned executives trained on ETS well in advance of your first tender submission deadline on ETS
 4. Submit your bids well in advance of tender submission deadline on ETS (There could be last minute problems due to internet timeout, breakdown, et al)
 5. It is the responsibility of each bidder to remember and securely store the Pass-Phrase for each Bid-Part submitted by that bidder. In the event of a bidder forgetting the Pass Phrase before the expiry of deadline for Bid-Submission, facility is provided to the bidder to 'Annul Previous Submission' from the Bid-Submission Overview page and start afresh with new Pass-Phrase(s)
 6. ETS will make your bid available for opening during the Online Public Tender Opening Event (TOE) 'ONLY IF' your 'Status pertaining Overall Bid-Submission' is 'Complete'.
- For your record, you can generate and save a copy of 'Final Submission Receipt'. This receipt can be generated from 'Bid-Submission Overview Page' only if the 'Status pertaining overall Bid-Submission' is 'Complete'.

NOTE:

While the first three instructions mentioned above are especially relevant to first-time users of ETS, the fourth, fifth and sixth instructions are relevant at all times.

Minimum Requirements at Bidder's End

Computer System with good configuration (Min PIV, 1 GB RAM, Windows XP with Service Pack 3), Broadband connectivity, Microsoft Internet Explorer 6.0 or above, Digital Certificate(s). CPWD – 7/8

Terms & Conditions

1. Rates shall be valid for 90 (Ninety) days from the date of opening of the quotation.
2. Materials should be supplied within **20(Twenty) days** from the date of supply order.
3. Materials should be as per standard quality & free from defect. If it is found not suitable the same shall be asked for replacement at the cost and risk of supplier.
4. Equipment must be as per name & model as specified in the Tender
5. Rates should be mentioned both in word and figures.
6. Any other rules of CPWD codes and its amendment as applicable will be binding on the successful bidder.
7. All the corrections and over writings should be duly attested.
8. Taxes as applicable will be deducted from the bill at the time of payment.
9. Rates quoted should include all the taxes and surcharges. No other claim will be entertained in this regard.
10. Canvassing whether directly or indirectly is strictly prohibited.
11. Payment will be made on production of bill in duplicate by e-payment through S.B.I. Guwahati Branch, Guwahati after satisfactory completion of supply of materials in all respects.
12. Undersigned reserves the right to reject any or all the quotations and to alter the quantity without assigning any reason thereof.
13. If Tender could not be opened on scheduled date due to unavoidable circumstances, the same will be opened on next working day.
14. **Arrangements must be done to give complete training of working procedure of the equipment by the qualified representative of the firm.** There will not be paid any extra charge for providing training/ Demonstration to the agency.
15. Rate quoted by the firm/agency would include supply, installation and commissioning of **ION Meter** in all respect at **Divisional Laboratory, Middle Brahmaputra Division, CWC Adabari , Guwahati Assam Pin code- 781014**
16. Payments will be released after getting the certificate of satisfactory performance from Assistant Research Officer, Divisional Laboratory **Middle Brahmaputra Division, CWC Adabari, Guwahati Assam.**
17. Warranty period of equipment will be for 12(twelve) calendar months from the date of completion/commissioning of equipment in all respect.
18. If any fault occurs during warranty period, then the agency/firm/dealer itself will be binding to make necessary arrangements/repairing/replacement of spare parts at its own cost by deputing qualified representative.
19. If the equipment is not in condition to get repaired within warranty period, then the supplier will have to replace the device at its own cost.
20. The device should match with the configuration listed in the requirements of this office.
21. The authorized representative/representatives of CWC shall promptly notify the fault to the firm over telephone (confirmed in writing subsequently) arising out during warranty period.
22. Upon receipt of such notice, the qualified/experienced engineer of firm shall promptly attend to such faults within Seven days of compliant made from this office.
23. Rates are to be quoted **F.O.R. , Middle Brahmaputra Division, CWC Adabari , Guwahati Assam Pin code 781014**
24. Items should be strictly as per standard quality/brand.
25. The requirement of Ion meter is for detailed analysis of river water samples at laboratory.
26. GSTIN of this office is **18SHLO00157DIDW.**

Technical Specifications

ION METER-Ion electrodes :-- Nitrate electrodes;fluide electrodes

Includes meter, TRIS compatible accu TupH pH electrode, ATC probe, electrode arm, RS 232 & USB cables, 110/220V power supply and manual.

PH/mV/Temp/ISE Meter

Dual-BNC channels; use them for pH or mV or Ion selective measurement-you decide

Accepts any pH, ORP, or ion selective electrode with BNC connector

View independent electrode slope in each channel and each range at a glance

TFT color LCD provides crystal clear data from wide viewing angles and at a distance

Connect one or two stirring probes; provides mixing without stir plates

Bidirectional communication for LIMS connectivity

USB connectivity for use with keyboard, mouse or other USB device

RJ45 Ethernet/Internet port-connect to Local Area Network(LAN) or Internet, print data to a network printer or surf the web

Calibrate with custom buffer values or automatically using one of five present buffer groups

Specifications	
pH Mode	
Range	-2.000 to 20.000
Resolution	0.1/0.01/0.001
Accuracy	±0.1/0.01/0.002 1 ± 1 LSD
Auto Buffer Recognition	5 present buffer group custom
mV Mode	
Range	±2000 mV / Rel mV
Resolution	0.1
Accuracy	±0.2
Temperature Mode	
Range	-5.0 to 105.0 °C (0 to 46.0 °C DO mode)
Resolution	0.1 °C (0.1 ° F)
Accuracy	±0.2 °C (±0.3 ° F)
Ion Mode	
Range	1x10 ⁻⁶ to 9.99x10 ¹⁰
Resolution	0.1/0.01/0.001
Accuracy	±0.5% full scale (monovalent ion) 1% full scale (divalent ion)
Output	RJ45,RS232,USB-A, mini-B USB, stirrer port(2)
Language Selection	English
High/Low Alarms	Yes, user selectable, visual & audible

FLUORIDE COMBINATION

Parameter	Fluoride
Type	ISE-solid-state
Combination Or Half Cell	Combination
Refillable Or Gel (Sealed)	Refillable
Glass Or Plastic Body	Plastic
Max Temp	80° C
LengthxDiameter(mm)	110x13
Connection	BNC
Interference	OH ⁻
Range (ppm)	0.02 to saturated

CALIBRATION SOLUTIONS FOR FLUORIDE COMBINATION

	Standard 1000 ppm (500 ml)
	Ionic Strength Adjuster (500 ml)
	Ionic Strength Adjuster (500 ml) (Low Concentration)

NITRATE COMBINATION

Parameter	Nitrate
Type	ISE-polymer membrane
Combination Or Half Cell	Combination
Refillable Or Gel (Sealed)	Refillable
Glass Or Plastic Body	Plastic
Max Temp	40° C
LengthxDiameter(mm)	102x13
Connection	BNC
Interference	Cl ⁻ , NO ₂ ⁻ , Br ⁻ , CN ⁻ , ClO ₃ ⁻ , I ⁻ , ClO ₄ ⁻
Range (ppm)	0.5 to 14,000

CALIBRATION SOLUTIONS FOR NITRATE COMBINATION ISE	
	Standard 1000 ppm (500 ml)
	Ionic Strength Adjuster (500 ml)

Note:- Warranty must be 1 year from the date of Installation.

SCHEDULE OF QUANTITIES

Name of Work: **Procurement of Lab Instrument (Ion Meter) under M.B. Division, CWC, Ghy for the year 2018-2019**

Item No.	Particulars	Quantity or No.	Rates	Amount(Rs.) (Including GST)
1	Ion meter-Includes meter, TRIS compatible accu TupH pH electrode, ATC probe, electrode arm, RS 232 & USB cables, 110/220V power supply and manual.	1 no.		
2	FLUORIDE COMBINATION ELECTRODE	1 no.		
3	NITRATE COMBINATION ELECTRODE	1 no.		
4	CALIBRATION SOLUTIONS FOR FLUORIDE COMBINATION			
4.1	Standard 1000 ppm (500 ml)	1 no.		
4.2	Ionic Strength Adjuster (500 ml)	1 no.		
4.3	Ionic Strength Adjuster (500 ml) (Low Concentration)	1 no.		
5	CALIBRATION SOLUTIONS FOR NITRATE COMBINATION			
5.1	Standard 1000 ppm (500 ml)	1 no.		
5.2	Ionic Strength Adjuster (500 ml)	1 no.		

(Rupees _____ only)

Please mention the GST Separately.

Full Address

Email & Contact No.

