

TENDER SCHEDULE FOR THE WORK OF ASSEMBLING OF 1695 Nos. of FULL FIELD KITS & SUPPLY OF 90000 Nos. of H₂S vials IN STATE LEVEL WATER TESTING LABORATORY IN TWAD BOARD, CHEPAUK, CHENNAI-5, SUPPLY AND DELIVERY OF CHEMICALS AND OTHER ITEMS MENTIONED IN THE ANNEXURE AS PER STANDARD SPECIFICATIONS TO STATE LEVEL WATER TESTING LABORATORY, TWAD BOARD, CHENNAI, INCLUDING COST OF CHEMICALS, LOADING, UNLOADING, PACKING & STACKING CHARGES AT TWAD BOARD, TRANSIT INSURANCE CHARGES, CHARGES FOR FILLING OF REAGENTS AND PACKING OF FINAL KIT AT TWAD STATE LEVEL LAB ETC., TO COMPLETE AND AS DIRECTED BY THE CHIEF WATER ANALYST OF TWAD BOARD.

TENDER SCHEDULE

1. Total Number of pages in the Tender Schedule
2. Cost of Tender Schedule (Rs.1000 + GST @18%)
Rs.1180.00
3. Details of remittance of cost of Tender schedule
Furnish whether by cash or Demand
Draft Receipt No. & Date
4. To whom issued
5. Date of issue

-/Sd/-.....04.08.2020
**Deputy Chief Engineer (CM),
TWAD Board, HO, Chennai-5.**

Signature of Tenderer
With date and seal

CHECK SLIP

(To be filled in by the Tenderer)

1. Name of the work :
2. Date of tender opening :
3. Have you enclosed E.M.D. in the form of D.D. (If so furnish the details) :
4. Have you enclosed the following :
 - a. Valid NSIC Registration Certificate, if you are registered under SSI : Yes/No
 - b. Valid SSI Registration Certificate, if you are registered under SSI : Yes/No
 - c. Details of order placed with you by various PHE Departments/Boards for Supply of and delivery of chemicals and other.items : Yes/No
 - d. Xerox copy of latest Income Tax Clearance Certificate : Yes/No
 - e. Xerox copy of latest GST Registration and last three month e filing return : Yes/No
 - f. Xerox copy of the valid BIS/ISO License if any : Yes/No
Copy of evaluation certificate from BIS/NEERI :
5. Do you agree to abide by the Departmental conditions and specifications : Yes/No
- 6.a) Have you quoted the rates only in the Departmental Tender Schedule : Yes/No
- b) Have you furnished the break up details as noted in the Schedule A (If no such details are furnished the tender is liable for rejection) : Yes/No
7. Do you accept the Departmental payment conditions : Yes/No
8. Have you enclosed the Tender Schedule and terms and conditions duly signed : Yes/No

Note: 1. The tenderer is requested to answer to the above points without any omissions.
2. Tenderer not accepting the departmental conditions is liable to be rejected.

Signature of Tenderer
With date and seal

QUESTIONNAIRE TO BE ENCLOSED ALONG WITH THE TENDER SCHEDULE FOR THE WORK OF ASSEMBLING OF 1695 Nos. of FULL FIELD KITS & SUPPLY OF 90000 Nos. of H₂S vials IN STATE LEVEL WATER TESTING LABORATORY IN TWAD BOARD, CHEPAUK, CHENNAI-5, SUPPLY AND DELIVERY OF CHEMICALS AND OTHER ITEMS MENTIONED IN THE ANNEXURE AS PER STANDARD SPECIFICATIONS TO STATE LEVEL WATER TESTING LABORATORY, TWAD BOARD, CHENNAI, INCLUDING COST OF CHEMICALS, LOADING, UNLOADING, PACKING & STACKING CHARGES AT TWAD BOARD, TRANSIT INSURANCE CHARGES, CHARGES FOR FILLING OF REAGENTS AND PACKING OF FINAL KIT AT TWAD STATE LEVEL LAB ETC., TO COMPLETE AND AS DIRECTED BY THE CHIEF WATER ANALYST OF TWAD BOARD

1.	Name and Address of Tenderer (with Telex/Fax and Telephone Nos.)	:	
2.	Whether Manufacture or Dealer	:	
3.	a.Ownership details i.Individual ii.Partnership iii.Company or Corporation b.Whether small scale industry or Medium industry or large industry	:	
4.	Experience in the field for the Supply and delivery of chemicals and Misc. items Evaluation of BIS/NEERI Certificate	:	
5.	Details of GST applicable (in percentage)	:	
6.	Any other taxes other than GST if applicable(Proof of document to be furnished)	:	
7.	Location of the Factory	:	
8.	Whether the price quoted is for delivery to State level water testing laboratory , TWAD Board, Chennai-5	:	
9.	a.Installed annual production capacity, quantity and value	:	Nos. Lakhs/ Annum
	b.Actual production during the last three years quantity and value	:	Qty. Value
	2016-2017	:	
	2017-2018	:	
	2018-2019 till date	:	

Signature of Tenderer
With date and seal

10.	Whether chemicals and Misc. items were supplied to other Public Health Department, Quasi Government Agencies previously If so, furnish details of supply made during the last three years (yearwise)		
11.	What are the facilities available with the firm for		
	a. Testing and ensuring quality of raw materials used in the production		
	b. Testing the finished products		
	c. Details of quality control facilities		
12.	Whether any maintenance/ servicing facility available at Chennai		
13.	Whether you agree for the departmental Guarantee Clause		
14.	Whether departmental payment condition is accepted?		
15.	Whether the tenderer can supply as per the delivery conditions specified in the delivery schedule enclosed. If not specify the reasons and also the time required to commence supply from the date of receipt of the purchase order		
16.	Furnish details of certificates, documents, etc. enclosed by you with the tender		

Signature of Tenderer
With date and seal

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
INVITATION FOR BIDS Percentage Tender (Single Cover)**

IFB. No. F. 001 /F. Assembling of Kit/ CWA /TWAD /2020/Dated: 04.08.2020

Name of Work	Supply, delivery & assembling of Field Water Testing kits with necessary chemicals and supply of 90,000 H ₂ S Vials to TWAD Board
Approximate value of work	Rs 37.78 Lakh
Bid security	Rs.20,000/-
Eligible class	Experienced supplier in the similar field
Tender invitee	The Deputy Chief Engineer(COM), TWAD Board, No.31, Kamarajar Salai, Chepauk, Chennai -5.
Sale of Bid & place of sale	From 07-08-2020 to 20-08-2020 , The Deputy Chief Engineer(CM), TWAD Board, No.31, Kamarajar Salai, Chepauk, Chennai-5. by remitting Rs.1180/ (1000 + GST 18%) in the form of DD- Postal -Rs.500 extra.
web site down loading	www.tenders.tn.gov.in and www.twadboard.gov.in . (free of cost)

1.	Last date and time of downloading bid documents	20-08-2020 at 5.45 P.M
2.	Last date and time for receipt of bid document	21-08-2020 at 3.00 P.M
3.	Last date and time for opening of Technical bid	21-08-2020 at 3.30 P.M

-/Sd/-.....04.08.2020
**Deputy Chief Engineer (CM),
TWAD Board, HO, Chennai-5**

Signature of Tenderer
With date and seal

2. If the due date fixed for the receipt of tenders is declared to be a holiday for TWAD Board, the receipt of tenders shall be on the succeeding day at the time specified.

3. The Tender documents which are not transferable can be furnished on payment of Rs.1180/- (Rupees one thousand one hundred and eighty only) including taxes by cash or demand draft on any Nationalised Bank in favour of the Deputy Chief Engineer(CM), TWAD Board, No.31, Kamarajar Salai, Chepauk, Chennai-5. If the tender documents are required by post Rs.500/- (Rupees five hundred only) extra has to be paid towards the postal charges. TWAD Board will not undertake any responsibility for the damage, loss or delay caused if any in transit of the tender documents through post. The cost of tender documents will not be refunded on any account.

4. Each tenderer must pay an Earnest Money Deposit Rs. 20,000/- (Rupees Twenty thousands only) in the form of demand draft drawn in any Nationalised Bank payable at Chennai in favour of the Deputy Chief Engineer (CM), TWAD Board, Head Office, Chennai-5. The Earnest Money Deposit will not bear any interest. Bank guarantee and party cheque will not be accepted towards the earnest money deposit. The Board will not accept letters authorizing the Board to adjust amount towards the Earnest Money deposit either from pending bills of the tenderer or from their deposits held by the Board for any other works. Tenders not accompanied by EMD will be rejected. If the tenderer is exempted from payment of EMD/SD the tenderer shall enclose the authenticated proof of such exemption along with the tender.

5. Tenders together with the EMD should be submitted in a sealed cover, and the same should be addressed to the Deputy Chief Engineer (CM), TWAD Board, Head Office, Chennai-5 super scribing " Tender for the work of Assembling of full field kit in state level water testing laboratory in TWAD Board, chepauk, chennai-5, supply and delivery of chemicals and other items mentioned in the annexure as per standard specifications to State level water testing laboratory, TWAD Board, Chennai including cost of chemicals, loading unloading, packing & stacking charges at Twad board, transit insurance charges, charges for filling of reagents and packing of final kit at TWAD state level lab etc., to complete and as directed by the Chief water analyst of TWAD board.

5.1 Only the tenders received in the form as issued by the Board to the tenderer will be considered and tender schedule to be used only by the tenderer to whom it is officially issued.

Signature of Tenderer
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5.2 Tenders, if delivered in person should be deposited in the tender box kept in the room of the Deputy Chief Engineer (CM), TWAD Board, Head Office, Chennai-5. The Tender Box will be closed at 3.00 PM as per his office clock on **21.08.2020**. Tender received after the specified time on the due date will be summarily rejected. Belated receipt of sealed tenders either due to postal delay or any other reasons whatsoever will not be considered.

In the case of postal tenders and tender sent through courier service, the tenders should be addressed to Deputy Chief Engineer (CM), TWAD Board, Head Office, Chennai-5 delivered only to the Asst. Accounts Officer, Office of the Joint Chief Engineer (COM), TWAD Board, Head Office, Chennai-5 and acknowledgement with office seal should be obtained. In the absence of Asst. Accounts Officer such postal tenders should be delivered to the Deputy Chief Engineer (CM) and acknowledgement should be obtained.

5.3 Telegraphic offer and tender not in the prescribed form issued by the TWAD Board will not be considered.

5.4 Post tender offers from the tenderers received after the specified time for receipt of tenders will not be considered on any account.

Qualification criteria

6. The bidder should be registered manufacturers/suppliers and should be in the field of manufacturing /supplying of Chemicals and Misc. items for the last three years.

7. Each tenderer should submit along with their tender with following Xerox copies of the original certificate issued by the competent authority.

- i. Latest Income Tax Clearance Certificate
- ii. GST Registration certificate
- iii. Latest performance certificate issued to the tenderer by other Government departments, Boards and reputed organizations.
- iv. NEERI / BIS
- v. Document to prove whether manufacturer /dealer of supply of Chemicals and Misc. items for last three years.
- vi. If dealer, should get necessary NEERI / BIS registration certificate from the manufacturer and also get authorization from the manufacturer..

Signature of Tenderer
With date and seal

- vii. Individual lowest firms / suppliers itemwar will be selected for quality check in state lab and then called for negotiation for award of supply for those particular items by the respective firms / suppliers.

Performance Security:

- a. For Tenders with any plus% & up to minus 5% of Dept. value -2% of contract value.
 - b. For Tenders with minus 5% & up to minus 15% of Dept. value -4% of contract value
 - c. For Tenders with more than minus 15% of Dept. value -5% of contract value.
8. The tenders will be opened by the Deputy Chief Engineer (CM), TWAD Board, Head Office, Chennai-5 or an officer authorized by him, at 3.30 P.M. on **21.08.2020** in the presence of such tenderers or their duly authorized representatives, who choose to be present. The representative should produce proper identification/authorization to the satisfaction of the tender opening officer. Representative who do not produce such authorization will not be admitted to be present at the time of opening of the tenders.
9. At the appointed date and time the officer opening the price bid will read out the rates quoted by the tenderer.
10. The Tender should be valid for a period of 120 days from the date of opening of the tenders. Validity of tenders will be considered only from the original date fixed for receipt of the tender and not counted from the date of submission of tender or covering letter date etc.
9. The legal address of the tenderers should be furnished both in the covering letter as well as in the tender forms and schedules attached thereto.

Signature of Tenderer
With date and seal

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
INSTRUCTIONS TO THE TENDERER**

- 1.** The tenderer should sign every page of the Tender schedule/ Documents/ conditions of tender specifications.
- 2.** Manufacturers and Dealers holding valid ISI Licence or who are able to supply as per specification given by TWAD Board can participate in the tender.
- 3.** When the tender is made by an individual it shall be signed with his name and address and in case of partnership firm it shall be signed by one of the partners empowered to submit tenders on behalf of the partnership as contemplated in the registered partnership deed. If a company or corporation it shall be signed by an officer duly makes it authorized for this purpose. In all cases, the status of the tenderers whether proprietorship or partnership, company or corporation should be furnished in the covering letter with full address of tenderer, name of partners, directors, etc., The tenderers should also furnish such partnership evidence/ particulars as may be required by the Deputy Chief Engineer (COM), TWAD Board, Head Office, Chennai-5 before execution of the agreement.
- 4.** The rates should be quoted in the Schedule A only and should not be quoted in separate letter. The rates quoted shall be legible and any correction, over writings shall be attested with full signature of the tenderer. The rates should be specified both in figures and words. If there is any variation between the rates quoted in figures and words, then the lowest of the two shall be taken as the tendered rate.
- 5.** If the covering letter accompanying the tender documents is in the tenderers letter head form, all terms and conditions printed therein should be scored out and duly authenticated. It should be distinctly understood that such printed terms and conditions in the letter head would not have any binding on the Board.
- 6.** Small-scale industries registered with the N.S.I.C. or the Tamilnadu Small Scale Industries Development Corporation for the manufacture of the materials, covered by this tender are exempted from the payment of E.M.D. and Security Deposit provided they enclose attested copy of the registration certificate which should be current and valid. Validity period and the monetary value of registration should also be furnished. Other SSI units within Tamilnadu State claiming exemption from the payment of E.M.D./ S.D. should enclose attested copies of the certificates issued by the Director of Industries and

Signature of Tenderer
With date and seal

Commerce or the District Industries Centres regarding their existence and capacity in respect of the manufacturing of article covered by the tender. In case of non observance of any of the conditions stipulated in the contract the SSI/ NSIC units are liable to pay as penalty an amount equivalent to Earnest Money Deposit/ Security Deposit or an amount equal to the actual loss incurred by the Board consequent on such breach of contract whichever is higher and also levy of liquidated damages at 2% of the value of the undelivered portion of the contract.

- 7.** The tenderers should not offer any conditional discount in their tenders. Conditional discount/ rates/ clauses if any offered will not be accepted and such tender will be liable to be rejected.
- 8.** The Tenderer should be a manufacturer of Field water test kits, with ISO/ MSME / NSIC registration registered in Tamil Nadu.
- 9.** Proof of experience in manufacturing field water test kits should be provided (performance Certificate) and evaluation certificate from BIS/NEERI
- 10.** Preference will be given to Tenderer located in Tamilnadu having, sufficient manpower to handle the work in emergency basis.
- 11.** The work order should be placed for only one Successful firm, those who are fulfilling capacity of providing all the items and workmanship within the short period.
- 12.** The work order will be issued to the Successful Tenderer on the basis of supply order received from customer to the TWAD Board at the interval of time up to 31.03.2021.
- 13.** The rate quoted by the Successful Tenderer is the final for the period up to 31.03.2021.
- 14.** Reagents for the field water testing kits will be prepared by TWAD Board chemists in Twad Board State level Lab, with TWAD Board technology. The filling of reagents should be done with the skilled personnel by the successful Tenderer in TWAD Board State Level lab premises only, by using the chemicals and misc.items which will be supplied by the successful tenderer.

Signature of Tenderer
With date and seal

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
31, KAMARAJAR SALAI, CHEPAUK, CHENNAI 600 005.
TENDER**

To

The Deputy Chief Engineer (CM),
TWAD Board,
No.31,Kamarajar Salai, Chepauck
Chennai 600 005.

Sir,

I/We hereby tender and if this tender be accepted undertake to execute the following work.

Assembling of 1695 Nos. of full field water testing kits & supply of 90000 Nos. of Vials in State level water testing laboratory in TWAD Board, Chepauk, Chennai-5 as detailed in Schedule A.

- 1) Assembling of full field water testing kit in State level water testing laboratory in TWAD Board, Chepauk, Chennai-5 as detailed in Schedule A.
- 2) I/We have also completed the price list of items of Schedule – A annexure (in words and figures).
- 3) I/ We hereby distinctly and expressly declare and acknowledge that before the submission of my/ our tender I/ We carefully followed the instructions in the tender notice and have read the general terms and conditions and specifications therein and do hereby agree to abide by the said terms and conditions.
- 4) I/ we furnish below the location and full address of the factory, the details and capacity of the plant, details of orders executed for the Government Department, Autonomous Boards and details of orders on hand/ pending execution.
- 5) I/ We enclose the following Xerox copies of the original certificates issued by the competent authorities.
 - i. BIS valid Licence
 - ii. Latest Income Tax Clearance Certificate
 - iii. GST registration certificate
 - iv. Last Three month GST e' filing.
 - v. Latest performance certificate issued by other Government departments, Autonomous Boards and other reputed organizations.

Signature of Tenderer
With date and seal

- vi. Document to prove whether manufacturer /Dealer of chemicals and other items for the last three years.
- 6) I/We enclose herewith Rs.20,000/- (Rupees Twenty thousand only) towards Earnest Money Deposit. If my/ our tender is not accepted, this shall be returned to me/ us on my/ our application when intimation is sent to me/ us on rejection of this tender or at the expiration of 120 days from the date of opening of this tender whichever is earlier. If my/ our tender is accepted, the Earnest Money Deposit shall be retained by the TWAD Board as security for the fulfillment of the contract. This will be returned to me/ us after remitting 2% of the value of the supply order in the form of postal savings deposit account DD/ NSC drawn in Chennai District only duly pledged in the name of the Deputy Chief Engineer (CM), TWAD Board, Head Office, Chennai-5.
- 7) If upon intimation being given to me/ us by the Deputy Chief Engineer (CM), TWAD Board, Head Office, Chennai-5 for acceptance of my/ our tender, I /We fail to enter into the required agreement within 15 days duly furnishing security deposit as defined, then I/ we agree to the forfeiture of the Earnest Money deposit. Any notice required to be served on me/ us hereunder shall be sufficiently served on me/us, if delivered to me/ us personally or forwarded by post to me/ us (Registered) or left at my/ our address given herein. Such notice, shall if sent by post be deemed to have been served on me/ us at the time when in due course of post, it would be delivered at the address to which it is sent.

I/We fully understand that on receipt of communication of acceptance of tender from the accepting authority there emerges a valid contract between me/ us and from the TWAD Board, represented by the Officer accepting agreement and the tender documents i.e. tender notice, tender with schedules, general conditions to the contract and special conditions of the tender, negotiation, letters, communication of acceptance of tenders, shall constitute the contract for this purpose and be the foundation of rights of both the parties as defined in clause of the General Terms and Conditions of Contract, provided that, it shall be open to the acceptance authority to insist in execution of any written agreement by the tenderer, if administratively considered necessary by expedient.

Signature of Tenderer
With date and seal

LETTER OF CONSENT

I agree to abide by all the detailed specifications, terms and conditions stipulated by the TWAD Board which I have read and understood.

Signature of Tenderer
With date and seal

Signature of Tenderer
With date and seal

SCHEDULE - B
TERMS AND CONDITIONS

1. PRICE:

The rates furnished in Schedule A are firm and for delivery to State level laboratory ,TWAD Board, Chennai including packing, freight, forwarding, stacking and transit insurance charges etc. complete. No price escalation shall be allowed at any cost till the completion of the delivery period of contract. The rates should be quoted in Schedule 'A' indicating separately in the respective columns the basic rate, GST and other taxes.

The tenderer should not offer any conditional discount. Conditional discount/ rates if any offered will not be accepted and such tender will be rejected. Crossing out, initialing, dating and rewriting, shall make corrections if any. Only complete tenders will be considered, when all the appendices attached thereto are duly filled up, signed and enclosed with the tender.

2. GST:

GST will be paid at the percentage indicated in Schedule A. Any increase/ decrease in GST due to Government Policy during the delivery period will be paid/recovered on production of proof. If there is any increase during the extended delivery period, the same should be borne by the supplier.

The tenderer has to furnish the following certificate under their dated signature along with relevant invoice/bills.

3. PACKING AND TRANSIT INSURANCE

3.1 PACKING

The accessories should be secured to avoid any damage in transit as per IS or other specification to the satisfaction of the officers. The supplier should take proper care to ensure safety of materials in transit during loading, unloading and stacking operations. The supplier is responsible for the entire stores until delivered at the destination in full and good condition.

3.2 TRANSIT INSURANCE

The materials dispatched should be insured at the supplier cost against breakages, losses, thefts etc. during transit. The breakages or damages in transit shall be intimated by the consignee to the supplier within 7 days from the date of receipt of materials. On receipt of information from the consignee, the supplier shall arrange to make good the loss/ defect within 7 days.

Signature of Tenderer
With date and seal

The supplier should remove the broken and damaged materials within 3 days from the date of receipt of intimation from the consignee. If the supplier fails to take back the rejected materials within the reasonable time depending upon the mode of conveyance and or an other valid reasons alternative arrangements shall be made to dispose off the rejected materials with formal intimation to the supplier and proceeds realized thereof shall be paid to the supplier after deducting the expenditure if any incurred by the Board in the process of disposing them off together with centage thereon and storage charges.

4. DELIVERY PERIOD

Procurement of Chemicals and Misc. items should be completed within **35** days from the date of receipt of the order of the Board. The date of receipt of the materials by the consignee in good condition shall be treated as the date of completion of supply.

5. SETTLEMENT OF DISPUTE

Dispute Redressal Committee in order to ensure a dispute Redressal mechanism, a committee headed by the Engineering Director, TWAD Board and Joint Chief Engineer(CoM), Deputy Chief Engineer(CM) as Member, will comprise the "Dispute Redressal Committee" for this tender in order to resolve any disputes between the Employer / Engineer – incharge concerned and the contractor / supplier.

6. PRE- DELIVERY INSPECTION/TESTING OF CHEMICALS AND OTHER MATERIALS

Samples of chemicals and other items have to be produced to the consignee for testing of chemicals and Misc. items materials at State level Water Testing Lab, TWAD Board to assess the suitability before delivery. Samples have to be supplied at free of cost by the supplier. The chemicals and other items should strictly conform to the specification given in the Schedule –A . The supplier should give timely intimation to the consignee so that inspection and testing could be arranged in advance without impeding the progress of deliveries stipulated.

7. ACCEPTANCE OF MATERIALS BY THE CONSIGNEE:

The chemicals and Misc. items should be strictly conform to the Specification and brands required as per Schedule – A. The acceptance shall be complied only when the item are as per Schedule- A. If on examination, the chemicals and Misc. items found to be damaged or sub standard and not fully in accordance with the relevant specification, the

Signature of Tenderer
With date and seal

whole supply shall be rejected. In case of doubt whether the chemicals confirm to the specification or not, the decision of the TWAD Board shall be final. The consignee has the right to reject the chemicals found not conforming to the specifications and they should be replaced within seven days at the cost of the supplier.

8. GUARANTEE:

- 8.1 The supplier shall guarantee the chemicals and Misc. items supplied under this contract for processing, manufacturing & assembling of field water testing kits.
- 8.2 The nature of defects noticed during the guaranteed period and/ or before achieving the guaranteed such as manufacturing defects or otherwise will be decided by the respective consignee and his decision on the same is final and binding .
- 8.3 The materials to be delivered by the supplier in replacement of the rejected materials should also undergo pre delivery inspection before dispatch.

9. TESTING:-

Necessary tests for the performance should be carried out to the satisfaction of the TWAD Board Officer concerned.

10. DEFECTS/ DISCREPANCIES IN THE WORK ORDER:

The firm should examine carefully the orders of the Board immediately on receipt and bring to the notice of the intending officer within 3 days of the receipt of the orders of the Board, any discrepancy with regard to the quantity ordered, specifications, packing etc., for prompt rectification. The letter should be sent by Registered post with acknowledgement due.

11. LIQUIDATED DAMAGES:

If the successful tenderer fails to complete the supply within stipulated time as a whole or part the successful tenderer shall be liable to pay liquidated damages at 0.05% of the value of the materials not supplied per week of delay till the completion of supply. The amount recovered towards such delay shall however be restricted to 10% of the total value of the contract.

The imposition of the liquidated damages clause will be without prejudice to the rights of the tender inviting authority , TWAD to terminate the contract as time barred.

Signature of Tenderer
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For imposing liquidated damages, detailed show cause notice shall be served on the defaulting successful tenderer either by RPAD or through personal service. They shall serve the first notice allowing 15 days time to the successful tenderer for furnishing the reply. In case of non receipt of reply on expiry of 15 days time from the date of first notice, the second notice shall be served allowing 7 days of time to the successful tenderer for furnishing the reply by them. Again in case of non receipt of reply on expiry of 7 days time from the date of second notice, the third notice shall be served allowing 3 days of time to the successful tenderer for furnishing the reply by them, on receipt of the reply, it shall be verified by the consignee and liquidated damages clause shall be invoked by issuing an explicit speaking order to the successful tenderer. Similarly the non receipt of any reply from the successful tenderer shall attract imposing the liquidated damages clause automatically and in this case also, the liquidated damages shall be imposed by issuing an explicit speaking order to the successful tenderer.

12. FORECLOSURE OF WORKS

The consignee shall have the right to issue notice to the successful tenderer for any reason whatsoever does not require the whole or part of the work after the award of the contract. The successful tenderer shall not have any claim towards compensation or whatsoever, on account of any profit or advantage, which he might have derived from the work.

13. JURISDICTION OF COURT:

In the event of any dispute arising between parties hereto in respect of any of the matter comprised in this contract, the same shall be adjudicated only by the competent court having jurisdiction over the place where the contract is awarded and agreement is concluded and by no other court or authority.

14. SECURITY DEPOSIT AND AGREEMENT

14.1 Performance Security:

- a. For Tenders with any plus% & up to minus 5% of Dept. value -2% of contract value.
- b. For Tenders with minus 5% & up to minus 15% of Dept. value -4% of contract value.
- c. For Tenders with more than minus 15% of Dept. value -5% of contract value.

Signature of Tenderer
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- d) within 28 days from the date of the Letter of Acceptance, the successful bidder shall deliver to the Employer a Performance Security.
- e) In the form of National Savings Certificate / Post Office Savings Deposit account purchased within the State of Tamil Nadu and pledged in favour of the Deputy Chief Engineer (CM)

(OR)

- f) Unconditional and irrevocable bank guarantee issued by any one of the branches of Nationalised Bank or Scheduled Bank within the State of Tamil Nadu provided they are in prescribed format.

The successful tenderer will have to remit the security deposit as detailed above, pledged in favour of the Deputy Chief Engineer (CM), TWAD Board, Head Office, Chennai-5. The security should be obtained only from Tamilnadu State. The security deposit along with interest is liable to be forfeited either in full or in part for any breach of condition of contract or by default on the part of the supplier. The decision of the Joint Chief Engineer (COM), TWAD Board, Head Office, Chennai-5 shall be final.

- 14.2 The successful tenderer should enter into an agreement for the above supply with the Joint Chief Engineer (COM), TWAD Board, Head Office, Chennai-5 in a non judicial stamp paper for a face value of Rs.100.00/- (Rupees one hundred only) for the fulfillment of the contract. The supplier should provide the stamp paper at their own cost. The non judicial stamp paper and security deposit should be sent to the Joint Chief Engineer (COM), TWAD Board, Head Office, Chennai-5 within 7 days from the date of receipt of order of the Board. If the firm fails to furnish the stamp paper within the time specified in the order and fails to conclude the agreement within 15 days, the orders placed with the firm will be cancelled at the risk and cost of the firm and the EMD remitted by them will be forfeited.
- 14.3 The Security deposit will be refunded only upon satisfactory fulfillment of the contract i.e. after expiry of contract period duly adjusting the amount due to the Board if any.
- 14.4 In case of non performance or non fulfillment of any of the conditions stipulated in this contract, the firm shall pay as penalty an amount equivalent to security deposit or an amount equal to the loss incurred by the Board consequent on such breach of contract whichever is higher in addition to penalty as per Clause.

Signature of Tenderer
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15. RESPONSIBILITY:

The tenderer shall alone be responsible to the Board in all matter connected with and arising out of contract. The contract is not transferable.

16. PAYMENT:

90% of the value of work will be paid within 30 days from the date of receipt of bill and full satisfaction of the TWAD Board officer concerned by the Chief Water Analyst, TWAD Board, State Level Water testing laboratory, Head Office, Chennai-5. 5% will be paid after 3 months for that bill, after observing the performance of the kits and balance 5% will be paid only after 6 months.

17. RESERVATION OF RIGHTS:

The Joint Chief Engineer (COM), TWAD Board, Head Office, Chennai-5 reserves the rights.

- a) to relax or waive or modify at his discretion any condition/ modification in this tender in the interest of the Board and
- b) to cancel the tender without assigning any reasons therefor.

The decision of the Joint Chief Engineer (COM), TWAD Board, Head Office, Chennai-5 in this regard shall be final, conclusive and binding on the supplier.

Signature of Tenderer
With date and seal

Special conditions of Contract

- 1) The tenderer should be experienced (ten years and above, proof certificate and other documents to be provided) Field Water Test kits manufacturer of Tamil Nadu. The tenderer have to supply Field water test kit chemicals, supply of kit materials, filling up of reagents, assembling, packing , forwarding & Transporting to various destinations.
- 2) The tenderer has to supply all the items within the specified time required for Manufacturing and assembling of Filed water testing Kit in State Level Water testing laboratory, Chennai. Minimum 100 Nos. of Field kits should be assembled per day.
- 3) Details of working pattern:
 - a) Model and quality of kit, accessories & chemicals should be got approved by the CWA/TWAD in 15 days
 - a) Supply of all items should be completed within 15 days from the date of approval of quality within 15 days from the date of work order.
 - b) Manufacturing and assembling of Field kits work should be completed with in next 20 days.
- 4) Where there is a discrepancy between the rates in words and figures, the lesser of the two will only be taken into consideration.
- 5) Where there is a discrepancy between the unit rate and line item total resulting from multiplying the unit rate by the quantity, the unit rate as furnished will govern.
- 6) Where there is an arithmetical discrepancy in the page total as well as grand total, the corrected total by the Employer will govern.
- 7) The rates quoted in the BOQ shall be for carrying out the work in conformity to the BIS, TNBP and Technical Specifications and other Terms and Conditions set out in the Bid document.
- 8) All pages in the BOQ should be signed without omission. All corrections/over writing should be properly attested by the Bidder.

Signature of Tenderer
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SCHEDULE -A

Price Bid

Enclosed Separately.

Signature of Tenderer
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PRICE BID

Sl. No	Description of work	Items	Unit Price for one Full Field Kit (Rs.) (Basic Rate)	GST @ 18%	Rate including GST	Qty	Total amount (Rs.)
			In Fig				
	Assembling of full Field water testing kit in State Level Water Testing Laboratory in Twad Board in Chennai Supply and delivery of chemicals and other items mentioned in the Annexure-I as per standard specifications to State level water testing laboratory, TWAD Board, Chennai including cost of chemicals, loading unloading, packing & stacking charges at TWAD Board, transit insurance charges, charges for filling of reagents and packing of final kit at TWAD State level Lab etc., to complete and as directed by the Chief Water analyst of TWAD Board.	FTK	1518.45	273.32	1791.77	1695	3037050.00
H2S vials		6.97	1.26	8.23	90000	740700.00	
							3777750.00
							(Rupees Thirty seven lakh seventy seven thousand seven hundred and fifty only) Say Rs.37.78 lakhs

I/ We agree to execute the above items of works at

% Excess over / Less than the departmental value of Rs .-----

(Rupees -----only)

Note: The percentage shall be mentioned both in words and figures.
The percentage quoted in the bid shall be up to two decimal only.

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ANNEXURE -I

Sl.No	Description of items	Quality	Brand required	Quantity required
1	2	3	4	5
1	2-Amino Ethanol	Analytical Reagent / ExcelaR with certificate	Himedia / Qualigens / Merck / Finar / SD fine / Nice / CDH / Royal / Rankem / Fisher	6 x 2.5 lits
2	Ammonium molybdate Tetra Hydrate			3 x 500 gm
3	Ammonium thiocyanate			22 x 500 gm
4	Bromo cresol green sodium salt, water soluble Indicator.			11 x 5 gm
5	Cadmium Coarse Powder(metal)			20 x 250 gm
6	Calmagite Indicator			11 x 5 gm
7	EDTA di Sodium Salt dihydrate			6 x 1.0 Kg
8	EDTA –disodium magnesium salt tetra hydrate			1 x 500 gm
9	Glycerol anhydrous			9 x2.5 lits
10	Hydrochloric acid Conc.			1 x 5.0 lits
11	Hydrogen peroxide Solution 30 % W/V			1 x 5.0 lits
12	Mercuric iodide red			11 x 500 gm
13	Methyl red sodium salt			1 x 25 gm
14	N1 Napthyl ethylene diamine dihydrochloride			19 x 25 gm
15	Ortho phosphoric acid 88 %			4 x 2.5 lits
16	Ortho tolidine Powder			1 x 100 gm
17	pH Indicator Paper (booklet) pH 6.5 – 9.0 with colour scale			(10 x 10 Booklet = 100 Nos.= 1 Box) 30 Box

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Sl.No	Description of items	Quality	Brand required	Quantity required
1	2	3	4	5
18	Potassium chromate	Analytical Reagent / ExcelaR with certificate	Himedia / Qualigens / Merck / Finar / SD fine / Nice / CDH / Royal / Rankem / Fisher	5 x 500 gm
19	Potassium iodide			4 x 1.0 kg
20	Silver nitrate			16 x 500 gm
21	Sodium hydroxide pellets			17 x 500 gm
22	Stannous chloride dihydrate			2 x 100 gm
23	Sulphanilamide			8 x 500 gm
24	Sulphuric acid Conc.			6 x 2.5 lits.
25	Xylenol orange tetra sodium salt			2 x 10 gm
26	Zirconyl Chloride octa hydrate			1 x 100 gm
27	Hydrogen Sulphide Media 0.5 gram as per standard composition [WHO 50(5):797 -801] in the form of dry granular with homogenized granular particle size between 1.34 – 2.55mm packed under sterile with Gamma radiation and dehumidified condition in pre sterilized 30ml wide mouth plastic bottle – Result 12-18 hours – pack of 10 with TWAD labelling – subject to strict quality check by TWAD Board, etc., complete from ISO 9001, ISO 13485 and WHO – GMP certified firms (H2S Vials)		Himedia/ Merck / Royal / Pub Chem / Sigma aldrich	90000 Nos.

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Sl.No	Description of items & Specifications (as directed by the TWAD Board officers)	Qty required in Nos.
1	Plastic cup with cap, Poly Propylene, transparent ,100 mL (Tarson) for titration 5.0 cm avg dia x 7.00 avg height x 1.0 mm thickness	1695
2	Glass bottle with inner and outer cap 10 ml capacity 2.0 cm dia x 5.7 cm avg height x 1.0 mm avg thickness	5085
3	Plastic Container 5 ml Capacity with cap of 2.5 cm dia x 2.0 cm avg height x 1.0 mm	1695
4	PET bottle Transparent inner and outer cap 100 ml capacity with a size of 4.0 cm dia x 10.5 cm height	3390
5	PET bottle Amber colour inner and outer cap 100 ml capacity with a size of 4.0 cm dia x 10.0 cm height	1695
6	Measuring jar of Poly Propylene material of 10 ml capacity having size of 2.0 cm dia x 11.0 cm height	1695
7	10 ml HDPE Eye dropper bottle 15 ml plastic white food ramper proof nozzle tip having a size of 2.5cm dia x 6.5cm height.	1695
8	10 ml HDPE Eye dropper bottle (black – using carbon powder dye not permitted) 15 ml plastic white food ramper proof nozzle tip having a size of 2.5cm dia x 6.5cm height.	1695
9	30 ml HDPE Eye dropper bottle 15 ml plastic white food ramper proof nozzle tip having a size of 3.0cm dia x 8.5cm height.	16950
10	30 ml HDPE Eye dropper bottle (black – using carbon powder dye not permitted) 15 ml plastic white food ramper proof nozzle tip having a size of 3.0cm dia x 8.5cm height.	3390
11	Ziplock Plastic Cover of size 8.5cm x 6.3 cm for packing pH Paper	1695
12	Ziplock plastic cover of size 22.5cm width x 22.5cm height for ready to accommodate A4 size form	1695
13	Plastic transparent Ink filler of 9 cm Length	3390
14	1 ml capacity insulin Syringe made up of Poly Propylene of high quality	5085
15	Moulded plastic, milky white, container of size 7.5 cm H x 2.8 cm W x 1.3 cm D, thickness 2.0 mm for Background comparator	1695
16	Small metal, Spatula of 5.2 cm length (Spoon)	1695
17	Rectangular transparent plastic box of size 12cm x 7cm x 2.5cm depth to accommodate Colour chart box	1695

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Sl.No	Description of items & Specifications	Qty required in Nos.
18	Rectangular Transparent Plastic box of size 12.5"cm x 8.5 "cm X 3.5"cm depth	1695
19	PU black High density foam of size 23.3 cm x 14.0 cm x 5 cm thickness having 18 Nos. of holes to accommodate and to seat in different diameters reagent bottles for inner size of Field Kit box as directed by TWAD Board officers.	1695
20	Rectangular Transparent thick plastic storage box of size inner 24cm x15cmx11.5cm depth to accommodate 18 reagent bottles and PU foam with high density plastic top cover with handle, latches etc., as directed by TWAD Board officers.	1695
21	Preparation of 8 page booklet of size 21.0 cm x 15.0 cm containing study material of Test procedure, precautions chart & Check list including cost of printing etc.,	1695
22	Abstract procedure 2 pages (english laminated) size 17.5 cm x 11.0 cm	1695
23	Printing and lamination of Colour Chart of sizes 9cm x 6cm showing values of Flouride, Nitrate, Iron, Ammonia, Nitrite, phosphate & Residual chlorine in English color chart - 7 Nos.	11865
24	Laminated plastic cover to cover 100ml transparent PET bottle plastic including cost of packing&material etc	5095
25	Laminated plastic cover to cover 30 ml transparent PET bottle plastic including cost of packing &material etc	20340
26	Laminated plastic cover to cover 10 ml transparent PET bottle plastic including cost of packing ,material etc	3390
27	Colour laminated label of size 23.5 cm X 11.5 cm including printing & sticking the label to the outer packing box	1695
28	Colour laminated label of size 14.0 cm X 7.5 cm including printing & sticking the label to the field kit box	1695
29	Printing of reagent bottle Stickers 18 Nos. (2.5 cm x 2.5 cm = 15 Nos. & 2.8 cm x 2.8 cm = 3 Nos.)	30510
30	Supply and delivery of Distilled Water for preparation of reagents	1500 lits.
31	Packing charges (to fill the kit box to card board box and to provide tight packing)	1695

The Model of the Field water testing kit is uploaded with all 18 Reagents bottles and other accessories.

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