O/O THE DEPUTY DIRECTOR, GROUND WATER DEPARTMENT VISAKHAPATNAM

TENDER NOTICE FOR THE SUPPLY OF WATER QUALITY LABORATORY EQUIPMENT

TENDER NOTICE No. 1/WQ Lab/INSTRUMENTS/2013-14/1, Dt. 24 .12.2013

- 1. Sealed Tenders are invited by the Deputy Director, Ground Water department, Visakhapatnam from authorized dealers in India for the supply of Water Quality Laboratory Equipment as mentioned below:
 - 1. UV-Visible Spectro Photometer (Double Beam)
 - 2. Flame Photometer
 - 3. Portable Water Analytical Kit(field)
 - 4. PH Meter
 - 5. ConductivityMeter
 - 6. Turbidity Meter (Nephelometric)
 - 7. Ion meter (Bench top pH/ISE Meter)
 - 8. Centrifuge High speed
 - 9. Analytical Balance (Electronic)
 - 10.Balance for General Purpose
 - 11.Double Distillation Unit
 - 12. Refrigerator

2. The Tender Notice, Document, Schedule and detailed terms & conditions along with specifications can be downloaded from <u>http://visakhapatnam.nic.in</u>

3. The sealed tenders containing rate per each item along with Earnest Money Deposit (E.M.D) should be dropped in the Tender Box placed in the Office of the Deputy Director, Ground Water Department, Visakhapatnam (10.30 AM to 5.00 PM on all working days)

1.EM D along with Tenders	As indicated in part-iii of	
-	Appendix – II in the	
	Tender Document	
2.Last date of submission of tender	Up to 01.00 PM on 03.01.2014	
3.Date of opening of Tenders	At 04.00 PM on 03.01.2014	
	In the Chambers of Joint Collector,	
	Visakhapatnam.	

Contact No.s - Ph: 0891-2548822 Cell: 09393148035

PUTY DIRECTOR 12/13

GOVERNMENT OF ANDHRA PRADESH GROUND WATER DEPARTMENT

Tender Document for Supply of Water Quality Laboratory Equipment to A.P. Sate Ground Water Department



O/o THE DEPUTY DIRECTOR, GROUND WATER DEPARTMENT D.No. 1-1-100/8/1, Besides AU Delta Studies Institute, Opp. Train Hostel, Sivajipalem, Visakhapatnam-530017 Phone: 0891-2548822 Email Id: ddgwdvskp@gmail.com Website: http://visakhapatnam.nic.in

Contents

1. Schedule of Tender

S.No	Item	Date	Time	Venue
1	Acceptance of	From	Up to	O/o The Deputy Director,
	Tenders	26-12-2013	01:00 PM	Ground Water Department,
		То	on	Visakhapatnam.
		03-01-2014	03-01-2014	_
2	Opening of			In the Chambers of
	Tenders	03-01-2014	At 04:00 PM	Joint Collector,
				Visakhapatnam

- 2. Tender Form for the Supply of Water Quality Lab Equipment
- 3.Appendix I : Technical Bid
- 4. Appendix –II
 - a) Part i : Equipment-wise Technical Specifications
 b) Part ii : General Terms & Conditions
 c) Part iii : Amounts of Item-wise EMD
- 5.Appendix II : Price Bid

TENDER FORM FOR THE SUPPLY OF WATER QUALITY LABORATORY EQUIPMENT

1. Tender Notice & Date : TENDER NOTICE No.1 /WQLab/2013-14/1, Dt. 24.12.2013 of The Deputy Director, Groundwater Department, Visakhapatnam

2. Name and Address of the Tenderer:

To, The Deputy Director, Ground Water Department, Visakhapatnam-17.

Dear Sir,

In response to the tender notice published in the daily newspaper _______ dated_____ or at web site <u>http://visakhapatnam.nic.in</u>, I/We submit herewith the tender form for the supply of water quality lab equipment.

Tender for the supply of goods to the Governor of Andhra Pradesh, hereby contract and agree on the acceptance of this tender on behalf of the Governor of Andhra Pradesh to supply to Groundwater Department, Government of Andhra Pradesh (herein after referred as "the Department") in accordance with the conditions of contract noted below the goods or materials hereunder named of the quality or sort and at the rate of price hereunder specified and I hereby forward the sum of Rs.______ as earnest money (EMD) to be returned without interest to me by the Department if this tender is not accepted.

Having examined the conditions of Tender Document and specifications of the equipment, the receipt of which is hereby acknowledged, I/We, the undersigned, offer to supply, deliver and install the following equipment:

S.No	Code of Item	Name of Equipment	EMD Paid in Rs.
1			
2			
3			
4			
5			
6			
7		_	
8			
9			
10			
11			
12			
		Total	

Demand Draft No	Nai	me of the Bank
Date	Bra	nch
Amount in Rs.	Pay	vable at
In favaour of		

The Technical Bid is enclosed to this tender form in the format provided in Appendix -I.

- 1. I/We accept that the rates offered shall remain valid for a period up to 6 months from the date of execution of agreement. I/We further agree that if the date up to which the offer would remain open be declared as holiday for office, then offer will remain open for acceptance till next working day.
- 2. I/We shall be bound by communication of acceptance of the offer, dispatched within prescribed time.
- 3. I/We accept that the right to accept or reject whole or part of the tender without assigning any reason is reserved with the Department. The decision of the Department will be final and shall be binding on me/us.
- 4. I/We agree to undertake to supply the equipment at the location of the office mentioned in final purchase order and as per the specification of the final orders within **Six weeks** from the date of purchase order or the date specified in the purchase order.
- I/We also agree that Department has full rights to open/consider the Price Bid in Envelope No. 2 if and only if the Department is satisfied with information of Technical Bid in Envelope No.1. The decision of the Department regarding this will be final and

will be binding on me/us.

- 6. I/We hereby declare that the entries made in this tender form are binding on me/us. I/We shall be bound by the Act of my/our authorized representative whose signature is appended hereto in the place specified for the purpose and of any other person who in future may be appointed by me/us in his place to carry on the business of this concern/agency/firm. The intimation of such change will be given to the **Deputy Director**, **Ground Water Department**, **Visakhapatnam**.
- 7. I/We hereby take the responsibility of maintaining the equipment at their locations at free of cost in warranty period. I/We hereby take the responsibility to provide the service under AMC after expiry of warranty periods.
- 8. I/We understood that you are not bound to accept the lowest or any bid you may receive.

The following documents duly filled in and signed on each & every page with seal are enclosed along with the tender.

Yours faithfully,

Signature of the Tenderer With Firm seal if any

Capacity in which signing:

Place : Date :

Name and Address of the Firm/Supplier/Tenderer:

Registration No. of Firm/Supplier/Tenderer:

List of Documents to be enclosed (Checklist)

Envelope No. 1

- i) Tender Form
- ii) Appendix I : Technical Bid
- iii) Demand Draft (For EMD) (DD No.____ Dt.___ Rs.___)
- iv) Sale Tax Registration certificate /Sale tax return certificate
- v) Certificate of Sole Manufacturers/authorized supplier/ dealer
- vi) Latest Income Tax Clearance certificate
- vii) Photocopy of exemption certificate for EMD (If applicable)
- viii) Part ii of Appendix -II duly signed each and every page
- ix) Original catalogs, pamphlets/pictures, Clients/User list and total experience in the field of the equipment offered.

Envelope No. 2

i) Appendix – III : Price Bid

Signature of the Tenderer/ Authorized representative With seal if any

Name & Address:

<u>Appendix – I: Technical Bid</u>

No.1 /WQLab/2013-14/1

S. No	Code of Item	Name of Equipment	Specifications	Quantity
1	2	3	4	5

NOTE:- If this sheet is not sufficient to accommodate the bid additional sheets containing the same format may be used but all such sheets including this one must be signed by the Tenderer along with the seal.

Name and address of the Firm/ Supplier/Tenderer

Signature of the Tenderer/ Authorized representative With seal if any

<u>Appendix – II</u> <u>Part – i: Equipment-wise Technical Specifications</u>

No.1 /WQLab/2013-14/1

Code of Item	Name of the Equipment	Specifications	Quantity Required (in No.)
1	2	3	4
A 01	U.V- Visible Spectrophotometer (Double Beam)	 Specifications: Optical System : Fully symmetrical double beam system Wavelength Range and Accuracy: 190 - 1100nm; Wavelength Reproducibility : 0.1nm Wavelength accuracy : ±0.3nm Optical Bandwidth : 0.5 to 4nm in steps Stray Light: Less than 0.02% Interface :RS232/USB Self-test and calibration Two Quartz cuvettes Optional: (price to be quoted separately) Desktop Computer Two glass cuvettes 	1
A 02	Flame Photometer	Specifications: (Micro processer based unit)Range:Sodium (Na) :1-100 ppmPotasium (K) :1-100 ppmPotasium (K) :1-100 ppmCalcium(Ca) :10-300ppmLithium (Li) :2-50 ppmOperating air pressure0.45Kg/cm²Sensitivity for full scale deflection:Na :Sensitivity for full scale deflection:Na :Air Compressor:K :1 ppmAir Compressor:With built in air regulator and air filter to deliver stable and moisture/oil free air supplyCombution gas:L.P.G gasRS 232 port /USB:For PC Link Data transfer	1

1	2	3	4
A 03	Portable Water	Specifications: with pH ,Dissolved Oxygen, Conductivity/	
	Analytical Kit (field)	Salinity/TDS,and Temperature 1. pH 1. Measuring Range: pH: 0.00 to + 14.0 2. Accuracy ± 0.01 pH, ± 1 mV 3. Temp. Compensation: Automatic/manual 4. Calibration: Automatic/manual 2. Dissolved Oxygen 1. Measuring Range: Concentration: 0.00 to 20.0 mg/l, 2. Accuracy : ± 0.1mg/l. 3. Temperature Compensation: Automatic/ manual 4. Salinity Correction: Manual 5. Calibration: Automatic by air saturation 3. Conductivity, Salinity & Resistivity 1. Measuring Range: Conductivity 1µS/cm to 100 mS/cm, Salinity: 0.0 to 40.0ppt, 2. Temp. Compensation: Automatic/ Manual 3. Salinity Correction: Manual 4. Calibration: Automatic/ Manual	1
A 04	pH meter (Bench Top pH/ mV / Temperature Instrument)	Specifications 1. pH Range: 0 to 14.00 pH 2. Resolution & Accuracy: 0.01 pH 3. mV Range: ±199.9 mV., ±1999 Resolution & Accuracy: 1mV & ±0.1 mV 4. Temperature Range: 0.0 to 100.0°C 5. pH Buffer Options: Standard buffer solutions 6. Temperature Compensation: Automatic / Manual 7. RS 232/ USB port	1
A 05	Conductivity Meter (Conductivity/ Resistivity/TDS, Salinity,Temp)	 Specifications: Conductivity range : 0.1µs to 200 ms/cm Salinity: 0.0 to 40 ppt Accuracy : Conductivity: ± 0.5% of value Temperature: ±0.1°C Cell constants two cells with 0.1 and 1.0 cell constant 	1
A 06	Turbidity meter (Nephelometric)	 Specifications: Measuring range: 0-1000 NTU Resolution: Max. 0.01 Within the range 0 < ×<10 Max, 0.1 Within the range 10 < × < 100 Max, 1 within the range 100 < × < 1000 Accuracy: ± 2% of reading or ± 0.01 NTU whichever is greater for range 0.00-1000 NTU Repeatability: < ± 1% of reading or ± 0.01 NTU Interface/ USB port RS 232 Three sample cuvettes/ and calibration standards. 	1

1	2	3	4
A 07	Ion Meter (Bench top pH/ISE Meter)	Specifications:1. pH: 1. Range: -2.00 to + 20.002. Resolution: 0.1, 0.01 and 0.0013. Relative Accuracy: ± 0.002 digit mV/RmV : 1. Range: $\pm 2000.0mV$ 2. Resolution: 0.13. Relative Accuracy: $\pm 0.2mV$ or ± 0.05 %ISE :1. Range : 0 to 199992. Resolution : up to 3 significant digits3. Relative Accuracy : $0.2mv$ or $\pm 0.05\%$ 4. Output : RS 232/ USB portPower : AC Adapter with facility for 9V/12V DC	1
		Optional Electrodes Flouride Bromide Iodide Chloride Mercury Lead *Cost of Each Optional Electrode should be quoted separately other than standard electrodes like pH, temperature etc., which come with the instrument	
A 08	Centrifuge High Speed	 Specifications: Maximum Rotational Speed: Up to 10,000 rpm Adapters for 16x15ml falcon tubes and 6x15 ml falcon tubes Interchangeable rotors Automatic rotor recognition and imbalance cut – off Adjustable Speed 	1
B 01	Analytical Balance (Electronic)	Specifications: 1. Type : Electronic Single pan (Top pan) 2. Readability/ minimum display: 0.1 mg 3. Weighing Capacity : 220 g 4. Repeatability : 0.1 mg 5. Linearity :± 0.2 mg Features: • Automatic internal calibration • Capability to adopt to Ambient conditions • Built in interface RS232 • Warranty: 3- 5 years • Apart from AC power, provision for 9V/12V DC	1

1	2	3	4
B 02	Balance for General purpose	Specifications: • Capacity: ~ 2000g • Readability: 0.1/0.01g • Repeatability : ± 0.01g/0.1g • Linearity: ≤±0.02 • RS232/USB port • Over load protection	1
C 01	Double Distillation Unit (Borosil make)	 Specifications: Borosil Borosil with 4Lt capacity with Quartz heater Sand standard accessories (Horizontal type) 	1
D 01	Refrigerator	 Specifications: 400 lit capacity with double door Mounted on Castor Wheels Accessories: Kva Voltage Stabilizer 	1

<u>Appendix – II</u> <u>Part - ii : General Terms and Conditions</u>

- 1. The following are the terms and conditions, which may be strictly followed by the tenderers while offering their tenders.
- 2. The tenderer should submit his offer in two separate envelopes Envelope No. 1 & Envelope No. 2 which are properly sealed.
 - i. Envelope No. 1 should be superscripted as "TENDER FOR SUPPLY OF WATER QUALITY LAB EQUIPMENT" TECHNICAL BID - ENVELOPE NO. 1 and contain the following
 - a) Tender Form duly signed on each and every page
 - b) Technical Bid in Appendix I for items quoted
 - c) **D.D. for E.M.D**.for the total tendered items as per the amounts in part-iii of Appendix II or relevant certificate for EMD exemption
 - d) Sale Tax Registration certificate/ Sale Tax Return certificate/ TIN No.
 - e) Certificate of Sole Manufacturers/authorized dealers of manufacturers/authorized supplier/dealers of overseas
 - f) Latest Income Tax Clearance Certificate
 - g) Original catalogs, pamphlets/pictures of the equipment offered. Documents in support to reveal capacity to provide service after sale
 - h) List of a minimum of 5 reputed Clients/ Users in Government and Private sector related to Water Quality Testing Laboratories for the quoted item(s) of Company/Dealer and total experience in this field
 - i) **Part ii** of **Appendix II** duly signed on each and every page
 - ii. Envelope No. 2 should be superscripted as "TENDER FOR SUPPLY OF WATER QUALITY LAB EQUIPMENT" PRICE BID - ENVELOPE NO. 2 and should contain the Price Bid in Appendix – III with the rates quoted for the intended supply of items.
- 3. Both the sealed covers are to be kept in a Single Large Envelope properly sealed and duly superscripted as "TENDER FOR SUPPLY OF WATER QUALITY LAB EQUIPMENT" along with the Codes of Items being offered & Firm details, shall be addressed to the Deputy Director, Ground Water Department, D.No 1-1-100/8/1, Near Delta Studies Institute, Opp. Train Hostel, Sivajipalem, Visakhapatnam 530017.
- 4. The Tenderer can participate in the bid for a single or any item/ items indicated in **Part i** of **Appendix-I**.
- Earnest Money Deposit as specified for each equipment in Part iii of Appendix II shall be deposited by way of crossed Demand Draft in favour of Deputy Director, Ground Water Department, Visakhapatnam drawn on any Nationalized Bank

payable at Visakhapatnam and should be enclosed to the Tender form. Tenders without Earnest Money Deposit will be rejected.

- 6. Last date for receipt of Tenders is 03-01-2014. Tenderers are requested to drop their sealed tenders in the Tender Box provided in the O/o Deputy Director, Ground Water Department, Visakhapatnam before 01.00 PM on 03.01.2014. No tender will be accepted after 01.00 PM on 03.01.2014.
- 7. The sealed tenders will be opened in the Joint Collector's Chambers, Collectorate, Visakhapatnam at 4.00PM on 03.01.2014. The Tenderers or their Authorized representatives with a proper letter of Authorization should attend the opening of the Tenders at the time and date specified above.
- 8. Negotiations will be held with the tenderers on the same day or any other day fixed by the Chairman, District Purchase Committee i.e., Joint Collector, Visakhapatnam.
- 9. Tenderer should be a registered firm with competent authority.
- 10. The accepted Tenderer shall be prepared to execute an **Agreement** on Rs. 100/- stamp paper along with a **security deposit of 10%** (inclusive of EMD) on the contracted value of goods.
- 11. The rates should be quoted both in words and figures without any corrections or over writing in Appendix-III for each individual item separately. Any over writing or rewriting should be duly countersigned. The rates must be valid till delivery of the item/items.
- 12. The intending Tenderer shall also have to mention, the detailed specifications, name of manufacturer/make, model of the article and has to enclose only the original catalogs, pamphlets/pictures of the equipment offered, for which the rates are quoted.
- 13. The Tenderer should provide Authorization Certificate from Manufacturing Company. The authority letter should include the details of principle supplier/manufacturer regarding their full address, contact person, e-mail address, fax no. and address of the website and if not enclosed, this Department reserves the right to accept or reject tenders of those agencies.
- 14. All the equipment quoted should be offered with standard warranty of at least One year and in addition, Two more years of extended warranty is desired from the date of installation and successful testing.
- 15. The final requirement of the items will be indented later. The requirements indicated are only for rough approximation.
- 16. The payment will be made to the Tenderer by the Deputy Director, Ground Water Department Visakhapatnam after supply, successful installation and testing of the equipment.
- Tenderers will have to supply equipment as per the specifications in Part i of Appendix II within SIX WEEKS or as per the last date mentioned in the final purchase order. Department will not accept assembled equipment.
- 18. The Tenderer should quote the rates inclusive of all essential accessories in the Price Bid in Appendix III of the tender form issued by this office only and not on any other form. The rates of optional accessories are to be quoted separately in the same Price Bid only.
- 19. The intending Tenderer should quote the rates inclusive of all expenses, charges, taxes,

duties, transportation, packing and forwarding, insurance etc. i.e. All "Inclusive" in the prescribed **Price Bid** in **Appendix** – **III** with free delivery, installation and testing.

- 20. If the tenderer fails to comply with the purchase order within the specified period his order will be cancelled and EMD will be forfeited.
- 21. The quantity and specifications mentioned in **Part i** of **Appendix-II** of this tender are subject to variation according to actual requirement and availability of the budget with the Department. The right to enhance or reduce the quantity of any tendered item(s) and right to accept/reject whole or part of the tender, without assigning any reason, whatsoever, is reserved by the Department. The decision of the Department shall be final and it shall be binding on the Tenderer.
- 22. The Tenderer is bound to supply only genuine equipment of the make/model/ specification etc., tendered by him/it or ordered for supply by the Department. The Department shall be at liberty to ask for production of sufficient proof that the manufacturer is rendering adequate business support to the tenderer/supplier or Department will have the right to get satisfied approaching the manufacturer without noticing to the tenderer for genuineness of equipment and authority to supplier.
- 23. The Department reserves the rights to accept or reject higher version of equipment etc., or any other items under the same terms and conditions and same price quoted by Tenderer in the Price Bid in Appendix-III.
- 24. In case of poor response from the Tenderers, from the first call, the items of poor response will be retendered if necessary.
- 25. The credit bill should be presented in triplicate in the name of respective authority as quoted in final purchase order. For any delay in payment the Department will not make any extra payments like interest or any other kind of compensation. Delay in supply within the prescribed time limit or the extended time limit, making of supplies not up to the standard specification and performance or non-observance or non-acceptance of these terms and conditions by the Tenderers shall constitute breach of contract and the security deposit or any other deposit of the Tenderer shall be forfeited by the Department besides other actions or reduction of bills of supplies and/or other legal actions and finally the decision of the Department shall be binding on the Tenderer.
- 26. Every page of the tender & enclosures should be numbered and signed with seal by the Tenderer.

We accept the above terms & conditions and agree to abide by them.

Signature with seal of Tenderer:-

Capacity in which signing:-

Name and address of the Firm/ Supplier/Tenderer:-

Registration No. of Firm/Supplier/Tenderer:-

<u>Appendix – II</u>

Part-iii. Amounts of Item-wise EMD

No.1 /WQLab/2013-14/1

Code of Item	Name of Equipment	EMD To be Deposited in Rs.		
A 01	U.V- Visible Spectrophotometer (Double Beam) 8000			
A 02	Flame Photometer	1600		
A 03	Portable Water Analytical Kit	1200		
A 04	pH meter	400		
A 05	Conductivity Meter (Conductivity, Resistivity, TDS, Salinity, Temp)	400		
A 06	Turbidity Meter (Nephelometric)	400		
A 07	Ion Meter (Bench top pH/ISE Meter)	3500		
A 08	Centrifuge High Speed	400		
B 01	Analytical Balance (Electronic)	3000		
B 02	Balance for General purpose	600		
C 01	Double Distillation Unit (Borosil Make)	1400		
D 01	Refrigerator	800		

APPENDIX-III

PRICE BID

No.1 /WQLab/2013-14/1

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S. No	Code of Item	Name of Equipment	Specification	Quantity	Cost of Equipment (Inclusive of all taxes, freight & installation)
1	2	3	4	5	6
-					

NOTE:- If this sheet is not sufficient to accommodate the bid additional sheets containing the same format may be used but all such sheets including this one must be signed by the Tenderer along with the seal.

Name and address of the Firm/ Supplier/Tenderer

Signature of the Tenderer/ Authorized representative With seal if any