

**BID DOCUMENT AGAINST SUPPLY
OF WATER TESTING EQUIPMENT
AND CONSUMABLES UNDER
QUOTATION No.9/WSSO/2020-21**

INSTRUCTIONS TO BIDDERS AND TERMS & CONDITIONS

1. The terms, 'Quotation', 'Tenders', 'Bid' have the same meaning in this Notice
2. The quotation is invited for fixing the rate and Firm for supply of the materials as mentioned in the NIQ. The Materials must be as per relevant specifications.
3. The Bidders shall submit the Bid in a sealed envelope addressed to 'The Director, Water & Sanitation Support Organization, PHE Building, Khatla, Aizawl-796001. Quotation No and Date must also be clearly inscribed on the top of the envelope. The Department shall not, in any manner, be held responsible for postal delay or non-receipt of the Quotation sent by Post.
4. The Quoted Rate should be for complete material FOR, Aizawl, Mizoram inclusive of all Taxes, Packing, Loading, etc. complete in all respect and valid for a period of minimum 12 months. No escalation shall be entertained during the validity of the rates.
5. The Bidder shall deposit Bid Security of Rs. 1,24,000/- (Rupees One lakh twenty four thousand) only in the form of Demand Draft pledged in favor of Director (WSSO), PHED, Mizoram, Aizawl, SBI Mission Veng Branch. Any Bid not accompanied with Bid Security shall be summarily rejected.
6. Bidders shall submit the following Documents along with the Bid:
 - i) Bid Submission Form as per Annexure- I
 - ii) Price Bid as per Annexure-II
 - iii) GST Registration Certificate
 - iv) Documentary Proof of deposit of Bid Security
 - v) Technical details/Catalogues of the Material proposed to be supplied.
 - vi) Tribal Certificate (if appropriate for the Bidder)
 - vii) Any other information of the Bidder desires to submit in support of their Bid.
7. The Bid Security of all unsuccessful Bidders shall immediately be released after finalization of the Rate
8. The successful Bidder shall have to deposit a Performance Security amounting to 5% of every Supply Order. The Bid Security of the Successful Bidder shall be adjusted with the Performance Security which shall only be released after successful execution of the Supply. In case of the successful Bidder unable to execute the supply at his own/negotiated rate, the Performance Security shall be liable to forfeiture.
9. Performance security should be deposited within 21 days from the date of issue of Letter of Acceptance.
10. Performance security shall be furnished in the following forms:
 - a. Banker's Cheque of a scheduled bank;
 - b. National Savings Certificates and any other script/instrument under National Savings Schemes for promotion of small savings issued by a Post Office in Mizoram, if the same can be pledged under the relevant rules. They shall be accepted at their surrender value at the time of bid and formally transferred in the name of Procuring Authority with the approval of Head Post Master;
 - c. Bank guarantee. It shall be immediately got verified from the issuing bank. Other conditions regarding bank guarantee shall be same as mentioned in the rule for bid security;

- d. Fixed Deposit Receipt of a Scheduled Bank. The Procuring Authority shall ensure before accepting the Fixed Deposit Receipt that the bidder furnishes an undertaking from the bank or Post Office/NSC to make payment/ premature payment of the security to the Procuring Authority on demand without requirement of consent of the bidder concerned. In the event of forfeiture of the FDR or NSC, the FDR will be forfeited along with interest earned.
11. Performance security shall remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier/contractor, including warranty obligations – maintenance period/defect liability period.
12. Rate should be quoted as per the format at ANNEXURE-II and should be quoted both in figure and in words for complete item per unit.
13. Bidders should write clearly the name of the Manufacturing Company and Brand name for the quoted item. Quotations without Manufacturing Company and brand name of the item for which rates are quoted shall be summarily rejected.
- 14. Bid Evaluation Committee:** The Bid Evaluation Committee shall consist of the following members:
 - a. Director, WSSO
 - b. State Coordinator, WSSO
 - c. Programmer, WSSO
 - d. Consultant (SLWM), WSSO
 - e. Accountant, WSSO
15. Any direct or indirect canvassing with the concerned Officials by any Bidders as to influence to favor his Bid, will result in disqualification of the selected Bidder(s).
16. Any item/items for which rates quoted is found unreasonable/unworkable comparing with that of market price, the same shall not be taken into consideration.
17. The Tendering Authority reserves the right to accept or reject any or all of the Quotation and is not bound to accept the lowest rate.
18. Each & every pages of the Quotation must be signed by the Bidders.
19. The Bids shall be opened on the appointed date, time and venue mentioned above and the Bidder or his representative may remain present at the time of opening the Quotation. In case the bids cannot be opened on the pre-determined date, the bids shall be opened on the following working day at the same time and place or as notified by the Tendering Authority.
20. The quantities shown are tentative and subject to variation based on actual requirement.

(C.CHAWNGHUNNA)
Director.

ANNEXURE - I

**FORM OF BID SUBMISSION
(Quotation No: 9/WSSO/2020-2021 Dated 20th December, 2021)**

To

The Director,
Water & Sanitation Support Organization
Public Health Engineering Department
Mizoram, Aizawl

Sir,

I/We, the undersigned, declare that:

1. I/We have examined and have no reservations to the Quotation Document.
2. I/We offer to execute the Works described above and remedy any defects therein in conformity with the Conditions of Quotation and Specifications at our Quoted rate.
3. I/We do hereby submit our Quotation along with the following enclosures:
 - a. Bid Submission Form as per Annexure- I
 - b. Price Bid as per Annexure-II
 - c. GST Registration Certificate
 - d. Documentary Proof of deposit of Bid Security
 - e. Technical details/Catalogues of the Material proposed to be supplied.
 - f. Tribal Certificate (if appropriate for the Bidder)
 - g. Any other information (if any):

i)

ii)

iii)

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Signature:

Name: (.....)

Title:

Date

ANNEXURE - II**PRICE BID**

(Quotation No: 9/WSSO/2020-2021

Dated. 20th December, 2021)**A. EQUIPMENTS**

Sl. No.	Items	Unit	Qty	RATE	
				(Figure)	(Word)
1	pH Meter Eutech pH 150 ; Range -2.00 to 16.00pH ; Code ECPHWP15002K	Each	8		
2	Refrigerator 255 Litres	Each	3		
3	Air Conditioner (1.5 ton with 5 Stars)	Each	3		
4	Fire Extinguisher - 5/10 Kg	Each	3		
5	Wet & Dry thermometer (Digital Thermometer Mentech TM-2 10°C to 50°C (indoor 20% = 99% RH	Each	3		
6	Hydro Meter - Limeco 1.000 to 2.000 (20°C)	Each	3		
7	F1 Class Weight Box with NABL calibration left (MOC : SSB04) ; Capacity 1mg to 200g ; Code : 84239010	Each	3		
8	Hot Air Oven (Lunar) ; 18"x18"x18" Range 250°C	Each	3		
9	Glass Thermometer (0-250°C) 76 76mm / 1mm	Each	3		
10	Aquamate 8000 UV-VIS Spectrophotometer @990000, Range (Photometric) : -0.5 to 5.0A ; -1.5 to 125% T; ± 9999 C Voltage: 100 to 240V	Each	3		
11	Spectroquant TR 320 (Thermoreactor)	Each	3		
12	Spinot (Magnetic Stirrer) - 6020	Each	4		
13	Autoclave (LIFE) 21 L Capacity (37x39x37cm): Power Consumption - 100W	Each	3		

14	Bacteriological Incubator (Lunar) 18"x18"x18" (45x45x45 cm) Capacity - 45 ltrs ; temp range ; Ambient +5 to +90°C , Power Supply - 220 Volts	Each	5		
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B. GLASSWARES

Sl. No.	Items	Unit	Qty	Amount	
1	Volumetric Flask Class A; 10/case				
	i) 1000 ml (5640029)	Case	2		
	ii) 500 ml (5640024)	Case	2		
	iii) 250 ml (5640021)	Case	2		
2	Measuring Cylinder Class A				
	i) 1000 ml (2010029)	Each	5		
	ii) 500 ml (2010024)	Each	5		
	iii) 250 ml (2010021)	Each	5		
	iv) 100 ml (2010016)	Each	5		
3	Burette 50 ml Class A - 2129012; 5/case	Case	2		
4	Pipettes - Borosil Class A				
	i) 10 ml (2030P06)	Each	20		
	ii) 5 ml (2030P05)	Each	30		
	iii) 1 ml (2030P01)	Each	10		
5	Micropipette Fixed vol. single channel				
	i) 1 ml	Each	5		

	ii) 0.1 ml	Each	5		
6	Micropipette single channel variable (0.1-1 ml)	Each	5		
7	Filtration Assembly 47 mm; 1000 ml - 5350029; 1pc/case	Case	4		
8	Vacuum pump with hose tube - SF 20l	Each	4		
9	Glass beads (5 mm borosilicate) 500 gm	Each	3		
10	Helma Absorption cuvettes, std. cells, macro optical glass, spectral range 320 - 2500 nm, pathlength 20 mm, Chamber vol. 7000 µl - 7800686 - 1EA	Each	5		
	Beaker (Borosil); 40/case				
	i) 500 ml (1000D24)	Case	1		
11	ii) 250 ml (1000D21)	Case	1		
	iii) 100 ml (1000D16)	Case	1		
	iv) 1000 ml (1000D29); 20/case	Case	2		
12	Retort Stand - 30 x 20 central with rod	Each	3		
13	Pipette Bulb (Filter) - 100 ml capacity 4/pack	Pack	3		
14	Wash Bottle new type 250 ml - 561110; 12/pack	Pack	2		
15	Bunsen Burner 13 mm pipe; 2/case - LABR8888013	Case	1		
	Beaker Tong				
16	i) 10 inches size - 6/case	Case	1		
	ii) 12 inches size - 6/case	Case	1		
17	Flask Tong; 10 inches - 6/case	Case	1		

C. CHEMICALS**C (i)CRM Chemicals**

Sl. No.	Items	Unit	Qty	Amount	
1	Calcium Carbonate (CRM), 50g	Each	3		
2	Sodium Carbonate (LRM), 80g	Each	3		
3	Sodium Chloride (CRM), 80g	Each	3		
4	pH Buffer solutions (500 ml)				
	i) pH 4.01	Each	3		
	ii) pH 7.00	Each	3		
	iii) pH 10.00	Each	3		
5	1, 10 Phenanthroline Monohydrate GR and redox indicator, 10gm	Each	3		
6	Hydroxylamine (50% Sol ⁿ in water) for synthesis, 100 ml	Each	3		
7	Iron Standard Sol ⁿ 1000 mg/l traceable to NIST, 125 ml	Each	3		
8	Turbidity Standard Sol ⁿ				
	i) 1000 NTU	Each	4		
	ii) 100 NTU	Each	4		
	iii) 20 NTU	Each	4		
	iv) 0.5 NTU	Each	4		

C (ii)Other Chemicals

Sl. No.	Items	Unit	Qty	Amount	
1	Potassium Dichromate - 500g	Each	10		
2	Erichrome Black T-25g (Cl-14645) - 1.93320.0026	Each	10		
3	Potassium Permanganate - 250g	Each	10		
4	Potassium Iodide - 100g	Each	3		
5	Sodium Azide	Each	3		
6	Silver Nitrate 25g	Each	20		
7	Sodium Hydroxide - 500 ml	Each	10		
8	Potassium dihydrogen phosphate - 250g	Each	2		
9	Di-sodium Hydrogen Phosphate - 250g	Each	2		
10	Di-potassium Hydrgogen Phosphate - 500g	Each	2		
11	Calcium Chloride Anhydrous granular - 1-2 mm; 1 Kg (1.02379.1000)	Each	1		
12	Ferric Chloride anhydrous - 500g	Each	3		
13	Magnesium Sulphate Heptahydrate	Each	3		
14	Spectroquant Sulphate Test Range 0.5-50.0 mg/l SO4 - 100/pack	Pack	5		

Signature of authorized person :

Name & Seal: (.....)

Date