



Bid Number: GEM/2022/B/2258211

Dated: 16-06-2022

Bid Document

Bid Details	
Bid End Date/Time	07-07-2022 15:00:00
Bid Opening Date/Time	07-07-2022 15:30:00
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Pmo
Department Name	Na
Organisation Name	N/a
Office Name	Centre Of Plasma Physics-institute For Plasma Research, Dae
Total Quantity	1
Item Category	Water Quality Meters / Analyzers (Q3)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Time allowed for Technical Clarifications during technical evaluation	5 Days
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	No
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

2. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Water Quality Meters / Analyzers (1 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
TYPE / NOMENCLATURE / PROTECTION	Type of Meter / Analyzer	Bench Type
	Functional nomenclature	Multi Parameter Water Quality Analyzer
	Ingress Protection (Main Unit)	IP 55
	Calibration	Automatic
MEASURED WATER QUALITY PARAMETERS	Dissolved Oxygen (DO)	No
	DO % Saturation	No
	Conductivity	No

Specification	Specification Name	Bid Requirement (Allowed Values)
	Resistivity	No
	Salinity	No
	Total Dissolved Solids (TDS)	No
	pH	Yes
	Oxidation Reduction Potential (ORP)	Yes
	Ammonium	Yes
	Nitrate	Yes
	Chloride	No
	Turbidity	No
	Depth	No
	Temperature	Yes
	Atmospheric Pressure	No
MEASUREMENT OF DISSOLVED OXYGEN (DO) / DO % Saturation	Dissolved Oxygen (DO) measurement Principle	NA
	Measurement Range for DO Content (in ppm or mg/l)	NA
	Measurement Range for DO % Saturation (in %)	NA
MEASUREMENT OF CONDUCTIVITY (EC)	Conductivity measurement principle	NA
	Sensor/ Probe/Electrode Type	NA
	Material of Electrode	NA
	Measurement Range (in μS/cm)	NA
MEASUREMENT OF RESISTIVITY	Resistivity measurement principle	NA
	Lowest Measurement Value for Resistivity (in ohm-cm)	NA
	Highest Measurement Value for Temperature (°C)	NA
MEASUREMENT OF SALINITY	Salinity measurement principle	NA
	Measurement Range (in parts per thousand or g/l or PSU)	NA
MEASUREMENT OF TOTAL DISSOLVED SOLIDS (TDS)	TDS measurement principle	NA
	TDS Measurement Range (in parts per thousand or g/l)	NA

Specification	Specification Name	Bid Requirement (Allowed Values)
MEASUREMENT OF pH	pH measurement principle	Electro chemical
	Sensor / Probe / Electrode Type	Hydrogen (Platinum) Electrode
	Number of Sensors / Electrodes	Single Electrode, Combination Electrode (2 Electrode), Differential Electrode (3 Electrode), NA
	pH Measurement Range	-2.000 to 20.000
MEASUREMENT OF OXIDATION REDUCTION POTENTIAL (ORP)	ORP measurement principle	Electro chemical
	Sensor / Probe/ Electrode Type	Ion Selective Electrode (ISE)
	Number of Sensors /Electrodes	Single Electrode
	Lowest Measurement Value for ORP (in mV)	-2000
	Highest Measurement Value for ORP (in mV)	2000
MEASUREMENT OF CHLORIDE	Sensor/Probe/Electrode Type	Ion Selective Electrode
	Measurement Range (in ppm or mg/l)	0-1500
MEASUREMENT OF TURBIDITY	Turbidity measurement principle	NA
	Light Source	NA
	Measurement of scattered light	NA
	Lowest Measurement Value for Turbidity (in FNU or NTU)	NA
	Highest Measurement Value for Turbidity (in FNU or NTU)	NA
MEASUREMENT OF TEMPERATURE	Sensor/Probe Type	Resistance Temperature (RTD) Detector
	Lowest Measurement Value for Temperature (°C)	-5
MEASUREMENT OF PRESSURE	Sensor /Probe Type	NA
	Lowest Measurement Value for Pressure (in mmHg)	NA
	Highest Measurement Value for Pressure (in mmHg)	NA
MEASUREMENT OF DEPTH	Measurement Method	NA
	Depth Measurement Range (in meters)	NA

Specification	Specification Name	Bid Requirement (Allowed Values)
	Length of Cable connecting peobe (inclusive in the scope of supply)	1.0
COMPENSATION / CORRECTION	Temperature correction	Automatic
	Salinity Correction	Automatic
	Barometric Pressure correction	Automatic
POWER SOURCE	Power Source	Rechargeable Battery, Mains (230 ±10 Volts / 50 Hz AC)
GENERIC	Probe / Sensor / Electrode supplied with equipment	Yes
OPERATING CONDITIONS	Minimum Operating Temperature	-5.0
	Maximum Operating Temperature	70.0
	Operating Humidity, Rh at 40 deg C	95.0
WARRANTY	Warranty on Equipment	1.0
	Warranty on Probe / Electrode	12.0
	Warranty on Cables for Connecting Probe	5.0
CERTIFICATION	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification	No

Additional Specification Parameters - Water Quality Meters / Analyzers (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Display type and Power Supply with power cord	1. Display Type: LCD/LED 2. Power Supply: Power adapter/rechargeable battery/Mains (220/230 V AC, 50 Hz)
Ion Specific electrode/probe (ISE), Quantity: 01 no	1. Ion Type: Nitrate Ion (NO3) ion 2. ISE limit: ? 1 ppm to 6000 ppm or more 3. 1 meter length cable with BNC connector
ORP electrode/probe, Quantity: 01 no	1. ORP range: ~± 2000 mV or higher 2. 1 meter length cable with BNC connector
PH electrode and Temperature electrode	The vendor must provide 1 (One) no for each probe.

Specification Parameter Name	Bid Requirement (Allowed Values)
ACCESSORIES	1. Ion strength adjuster (ISA) solution for nitrate, Quantity: 500 ml 2. Standard calibration solution for nitrate (0.1 M), Quantity: 500 ml 3. (NH4)2SO4 electrolyte solution (0.5 M), Quantity: 30 ml 4. ORP test solution, Quantity: 500 ml 5. Electrode cleaning solution, Quantity: 500 ml 6. Electrode storage solution, Quantity: 500 ml 7. PH calibration solution, Quantity: 500 ml 8. Electrode holder/stand

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Smruti Ranjan Mohanty	782402,Nazirakhat, Sonapur	1	60

Buyer Added Bid Specific Terms and Conditions

1. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

1. The meter should be able to measure Nitrate Ion concentration in the range ≤ 0.1 ppm to 10000 ppm or more

2. The meter should be compatible to electrodes (ISE/ORP/PH) of other make.

3. Vendor must provide the filled and signed compliance sheet with their values only not as complied/yes/agree etc. Technical evaluation will be done on the basis of technical compliance sheet only.

4. Payment Terms: 100% within 30 days of material receipt and acceptance.

2. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

3. Warranty

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

4. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers

can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

5. **Generic**

The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.

Applicable Concessional rate of GST : 5%

Notification No.and date : 47/2017-INTEGRATED TAX (RATE) DATED 14-11-2017 for IGST, NO: 45/2017-CENTRAL TAX (RATE) DATED 14-11-2017 for CGST and NO: 45 for SGST dated 14/12/2017

6. **Generic**

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity/restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and/or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents/clauses shall also be null and void. If any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---