

Bid Document

Bid Details	
Bid End Date/Time	13-07-2020 19:00:00
Bid Opening Date/Time	13-07-2020 19:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Chemicals And Fertilizers
Department Name	Department Of Fertilizers
Organisation Name	National Fertilizers Limited (nfl)
Office Name	Vijaipur
Total Quantity	2
Item Category	Water Quality Meters / Analyzers
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *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	No
Inspection Required	No
Estimated Bid Value	80000

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Water Quality Meters / Analyzers (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
TYPE / NOMENCLATURE / PROTECTION	Type of Meter / Analyzer	Bench Type	Bench Type
	Functional nomenclature	Turbidity Meter	Turbidity Meter
	Ingress Protection (Main Unit)	IP 67	IP 67
	Calibration	Automatic	Automatic
MEASURED WATER QUALITY PARAMETERS	Dissolved Oxygen (DO)	No	No
	DO % Stauration	No	No
	Conductivity	No	No
	Resistivity	No	No
	Salinity	No	No
	Total Dissolved Solids (TDS)	No	No
	pH	No	No
	Oxidation Reduction Potential (ORP)	No	No
	Ammonium	No	No
	Nitrate	No	No
	Chloride	No	No
	Turbidity	No	No
	Depth	No	No
	Temperature	No	No
	Atmospheric Pressure	No	No
MEASUREMENT OF DISSOLVED OXYGEN (DO) / DO % Saturation	Dissolved Oxygen (DO) measurement Principle	NA	NA
	Sensor / Probe/ Electrode Type	NA	NA
	Measurement Range for DO Content (in ppm or mg/l)	NA	NA
	Resolution (in ppm or	NA	*

	mg/l)		
	DO Accuracy (+/-)	0	*
	Measurement Range for DO % Saturation (in %)	NA	NA
	Resolution (in %)	NA	*
	DO % Accuracy (+/-)	0	*
MEASUREMENT OF CONDUCTIVITY (EC)	Conductivity measurement principle	NA	NA
	Sensor/ Probe/Electrode Type	NA	NA
	Material of Electrode	NA	NA
	Measurement Range (in $\mu\text{S/cm}$)	NA	NA
	Resolution (in mho or $\mu\text{S/cm}$)	NA	*
	EC Accuracy (+/-)	0	*
MEASUREMENT OF RESISTIVITY	Resitivity measurement principle	NA	NA
	Lowest Measurement Value for Resistivity (in ohm-cm)	NA	NA
	Highest Measurement Value for Resistivity (in Mega ohm-cm)	NA	NA
	Resolution (in ohm-cm)	NA	*
	Resistivity Accuracy(+/-)	0	*
MEASUREMENT OF SALINITY	Salinity measurement principle	NA	NA
	Measurement Range (in parts per thousand or g/l or PSU)	NA	NA
	Resolution (in g/l)	NA	*
	Salinity Accuracy (+/-)	0	*
MEASUREMENT OF TOTAL DISSOLVED SOLIDS (TDS)	TDS measurement principle	NA	NA
	TDS Measurement	NA	NA

		Range (in parts per thousand or g/l)	
		Resolution (in g/l)	NA
		TDS Accuracy (+/-)	0
MEASUREMENT OF pH	pH measurement principle	NA	NA
	Sensor / Probe / Electrode Type	NA	NA
	Number of Sensors / Electrodes	NA	NA
	pH Measurement Range	NA	NA
	Resolution (in pH number)	NA	*
	pH Accuracy (+/-)	0	*
MEASUREMENT OF OXIDATION REDUCTION POTENTIAL (ORP)	ORP measurement principle	NA	NA
	Sensor / Probe/ Electrode Type	NA	Platinum Electrode, Ion Selective Electrode (ISE), NA
	Number of Sensors /Electrodes	NA	NA
	Lowest Measurement Value for ORP (in mV)	NA	NA
	Highest Measurement Value for ORP (in mV)	NA	NA
	Resolution (in \pm mV)	NA	*
MEASUREMENT OF AMMONIUM	ORP Accuracy (+/-)	0	*
	Sensor / Probe/ Electrode Type	NA	Ion Selective Electrode, NA
	Measurement Range (in ppm or mg/l)	NA	0-100, 0-200, 0-300, 0-400, 0-500, 0-600, NA
	Resolution (in ppm or mg/l)	NA	*
MEASUREMENT OF NITRATE	Ammonium Accuracy (+/-)	0	*
	Sensor / Probe/ Electrode Type	NA	Ion Selective Electrode, NA
	Measurement Range (in ppm or mg/l)	NA	0-100, 0-200, 0-300, 0-400, 0-500, 0-600, NA
	Resolution (in ppm or mg/l)	NA	*

	Nitrate Accuracy (+/-)	0	*
MEASUREMENT OF CHLORIDE	Sensor/Probe/Electrode Type	NA	NA
	Measurement Range (in ppm or mg/l)	NA	NA
	Resolution (in ppm or mg/l)	NA	*
	Chloride Accuracy (+/-)	0	*
MEASUREMENT OF TURBIDITY	Turbidity measurement principle	Nephelometric measurement according to ISO 7027	Nephelometric measurement according to ISO 7027
	Light Source	White light tungsten lamp	White light tungsten lamp
	Measurement of scattered light	90 degree scatter nephelometer	90 degree scatter nephelometer
	Lowest Measurement Value for Turbidity (in FNU or NTU)	0.1	0.1
	Highest Measurement Value for Turbidity (in FNU or NTU)	1000	1000
	Resolution (in FNU or FTU)	0.1	*
	Turbidity Accuracy (+/-)	0	*
MEASUREMENT OF TEMPERATURE	Sensor/Probe Type	NA	NA
	Lowest Measurement Value for Temperature (°C)	NA	NA
	Highest Measurement Value for Temperature (°C)	NA	NA
	Resolution (°C)	NA	*
	Temperature Accuracy (+/-)	0	*
MEASUREMENT OF PRESSURE	Sensor /Probe Type	NA	NA
	Lowest Measurement Value for Pressure (in mmHg)	NA	NA
	Highest Measurement Value for Pressure (in mmHg)	NA	NA

	Resolution (in mmHg)	NA	*
	Pressure Accuracy (+/-)	0	*
MEASUREMENT OF DEPTH	Measurement Method	NA	NA
	Depth Measurement Range (in meters)	NA	NA
	Length of Cable connecting peobe (inclusive in the scope of supply)	0	0.0
COMPENSATION / CORRECTION	Temperature correction	NA	NA
	Salinity Correction	NA	NA
	Barometric Pressure correction	NA	NA
DISPLAY / STORAGE	Type of Display	LCD	*
	Display Digit Size	20	*
	Number of Digits in Display	16	*
	Number of parameters displayed simultaneously	1	*
	Memory (in Data Sets)	10	*
	Internal memory (GB)	0	*
	In-built GPS	No	*
	Date /time Stamp in Entries	No	*
	Connectivity interface	NA	*
POWER SOURCE	Power Source	Mains (230 ±10 Volts / 50 Hz AC)	*
	Battery Size, if Non Rechargeable Battery	NA	*
	Battery Chemistry, if Rechargeable Battery	NA	*
	Voltage of each Battery	0	*
	Number of Batteries required for operation	0	*
	Number of Batteries Inclusive in the Scope of Supply	0	*
	Battery Capacity (mAh)	0	*
	Battery Life	0	*
	Suitable Adapter to be	No	*

	supplied to make the equipment Work on 230 V \pm 10 %, 50 Hz		
GENERIC	Armour housing of Sensor / Probe	Plastic	*
	Probe / Sensor / Electrode supplied with equipment	Yes	*
	Number of elctrodes supplied	0	*
	Weight	1.5	*
	Dimensions (mm x mm x mm)	-	*
	Carry Case included in the scope of supply	No	*
	Any other features	-	*
	List of Items and Quantity of each item included in the offer	-	*
OPERATING CONDITIONS	Minimum Operating Temperature	0	0.0
	Maximum Operating Temperature	55	55.0
	Operating Humidity, Rh at 40 deg C	65	65.0
WARRANTY	Warranty on Equipment	1	1.0
	Warranty on Probe / Electrode	6	6.0
	Warranty on Cables for Connecting Probe	1	1.0
CERTIFICATION	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification	No	No
	If Yes, Test Report to be furnished to the Buyer on demand	NA	*
	Test Report No and Date	-	*
	Name of the Lab and Address	-	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Mansharam Sisodiya	473111,NATIONAL FERTILIZERS LIMITED VIJAIPUR	2	45

Bid Specific Additional Terms and Conditions

1. Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.
2. 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

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

---Thank You---