



UN-PRICED PRICE BID

PROJECT: Supply of Guided Wave Radar type level transmitter at FACT Udyogamandal Complex, Udyogamandal
ENQUIRY No.: MM/172/E22536 Dt. 02-12-2020

Common Descriptions for the items

Guided Wave Radar transmitter for continuous Liquid Level measurement.

Mounting type: Flanged, External chamber top mounted.

Electronics: Supply 24V DC; 4-20 mA DC, Two wire Output with HART.

Local Display: Required, LCD/LED type.

Cable entry: 1/2" NPTF

Accuracy/Repeatability: ± 4 mm or better / ± 2 mm or better

Enclosure: Weather proof to IP65 or better, Ex-proof - Exd II A & IIB, T4 or better.

Ambient Temperature: 0 to 50°C

Process connection: Flanged, 2" ANSI 300#RF.

Probe Type: Rigid single lead, Dia. between 8 to 16 mm; Shortenable & Exchangeable at field.

Material of probe/wetted parts: SS316L

Material of process flange: SS316L

Housing material: Aluminum alloy, Polyurethane coated or suitable industrial grade painting.

Process seal & other materials: Vendor to specify to match with service fluid, pressure & Temp.

External chamber: 3"; Material - CS/SS; Smooth surface with two process tapping dia 1" each; Distance from 100% level to inst. mounting

Flange: 250 mm and from 0% level to bottom of chamber: 25 mm.

Centring disc/spacer: Required, 1 nos, suitable for 3" chamber;

Material: Teflon or suitable for the process.

Special functions: Diagnostic facility, Integrated data memory, Reliable measuring in case of moved surface, foam, vapour, steam, build-up or condensation, Instruments shall be field changeable to other fluids and the electronics parts shall be replaceable type.



Sl. No.	Description	Qty.	Unit	Unit Rate (strike off whichever is not applicable)	Total Price	P&F, if applicable (%)	GST (%)	Freight Charges upto destination, if extra (%)
1	Probe /measurement length: 1676/1226 mm Fluid: Cooling Water Process conditions: a. Operating Pressure: 1.0 Kg/cm2A b. Maximum Pressure: 32 Kg/cm2A c. Vacuum Conditions: NA d. Operating Temperature: 35 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent: NIL.	1	No.	QUOTED/NOT QUOTED				
2	Probe /measurement length: 1676/1226 mm Fluid: Cooling Water Process conditions: a. Operating Pressure: 1.0 Kg/cm2A b. Maximum Pressure: 32 Kg/cm2A c. Vacuum Conditions: NA d. Operating Temperature: 35 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent: NIL.	1	No.	QUOTED/NOT QUOTED				
3	Probe /measurement length: 1974/1524 mm Fluid: Ammonia water Process conditions: a. Operating Pressure: 3 Kg/cm2A b. Maximum Pressure: 32 Kg/cm2A c. Vacuum Conditions: NA d. Operating Temperature: 65 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent: Present.	1	No.	QUOTED/NOT QUOTED				



4	Probe /measurement length: 1263/813 mm Fluid: Ammonium Carbonate solution Process conditions: a. Operating Pressure: 3.5 Kg/cm ² A b. Maximum Pressure: 32 Kg/cm ² A c. Vacuum Conditions: NA d. Operating Temperature: 60 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent: Present.	1	No.	QUOTED/NOT QUOTED			
5	Probe /measurement length: 1263/813 mm Fluid: Nitric Acid (Diluted) Process conditions: a. Operating Pressure: 2.0 Kg/cm ² A b. Maximum Pressure: 32 Kg/cm ² A c. Vacuum Conditions: NA d. Operating Temperature: 45 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent: Present.	1	No.	QUOTED/NOT QUOTED			
6	Probe /measurement length: 1263/813 mm Fluid: Nitric Acid (Diluted) Process conditions: a. Operating Pressure: 2.0 Kg/cm ² A b. Maximum Pressure: 32 Kg/cm ² A c. Vacuum Conditions: NA d. Operating Temperature: 45 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent: Present.	1	No.	QUOTED/NOT QUOTED			



7	Probe /measurement length: 1669/1219 mm Fluid: Liquid Ammonia Process conditions: a. Operating Pressure: 23.0 Kg/cm ² A b. Maximum Pressure: 32 Kg/cm ² A c. Vacuum Conditions: NA d. Operating Temperature: -12 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent: Present.	1	No.	QUOTED/NOT QUOTED			
8	Probe /measurement length: 1263/813 mm Fluid: Liquid Ammonia Process conditions: a. Operating Pressure: 23.0 Kg/cm ² A b. Maximum Pressure: 32 Kg/cm ² A c. Vacuum Conditions: NA d. Operating Temperature: -12 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent: Present.	1	No.	QUOTED/NOT QUOTED			
9	Probe /measurement length: 1263/813 mm Fluid: Liquid Benzene Process conditions: a. Operating Pressure: 2.0 Kg/cm ² A b. Maximum Pressure: 32 Kg/cm ² A c. Vacuum Conditions: NA d. Operating Temperature: 82 °C e. Maximum Temperature: 120 °C f. Foam present or absent: NA g. Vapour present or absent : Present.	1	No.	QUOTED/NOT QUOTED			



10	Probe /measurement length: 1669/1219 mm Fluid: Boiler feed Water Process conditions: a. Operating Pressure: 20.0 Kg/cm2A b. Maximum Pressure: 32 Kg/cm2A c. Vacuum Conditions: NA d. Operating Temperature: 158 °C e. Maximum Temperature: 200 °C f. Foam present or absent: NA g. Vapour present or absent : Present.	1	No.	QUOTED/NOT QUOTED			
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NOTES:

1. Bidder to complete all columns for each item separately
2. Price column shall be filled with QUOTED/NOT QUOTED (strike out whichever is not applicable). Percentage shall be given in columns of GST, Freight, P&F etc.

We have read and understood the Notice Inviting Tender, Instructions to Bidders, Special Terms and Conditions, Standard Terms and Conditions of Purchase etc. of this tender and hereby confirm that our rates are quoted accordingly in BOQ.

Date:

Seal

Bidder's Signature with Name & Designation