

(A GOVERNMENT OF PUDUCHERRY UNDERTAKING)

**PROJECT OFFICE, T.R. PATTINAM 609 606, KARAIKAL.**

Phone: 04368-233060, 233344

Email: ppclmmc@gmail.com

Telefax: 04368-233355.

Ref. No: W-049/MMC/2022-23/1130

GSTIN No.34AAACP6507E1ZS

Dt 15.09.2022.

**ENQUIRY**

**To**

**Sub:** Inviting offer for the Procurement of Procurement of Transmitters (Pressure and Differential Pressure) – Reg.,

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**QUOTATION TO BE:**

Submitted on or before – <b>06.10.2022 @ 5PM</b>	Opened on - <b>07.10.2022 @ 3PM</b>
Kept valid for <b>3</b> months from the date of opening	Submitted in <b>Two</b> parts.

Sealed quotations are invited for the supply of Transmitters (Pressure and Differential Pressure) as per Specification enclosed in the annexure and as per the terms and conditions mentioned therein.

**General Terms and conditions:**

1. The rate quoted should be firm, inclusive of GST, freight and all other charges as admissible.
2. Applicable other charges, if any should be clearly mentioned. If not mentioned, it will be presumed that the rate quoted is inclusive of all other charges.
3. The materials should be original and as per the specification enclosed in the annexure only.
4. **EARNEST MONEY DEPOSIT:** An Earnest Money Deposit of **Rs 7000.00** (Rupees Seven thousand only) should be paid by demand draft drawn in favor of the EXECUTIVE ENGINEER (MECH.), Puducherry Power Corporation Ltd T.R. Pattinam, Karaikal on any Nationalized/Scheduled bank payable at Karaikal. The earnest money deposit will bear no interest and will be released after successful supply of materials and acceptance.
5. Parties registered with NSIC or SSI/MSME is exempted for submitting EMD/SD. However copies of supporting Documents/Certificates should be kept in separate cover super scribing **“Earnest Money Deposit Exemption”**.
6. The party shall be required to place the earnest money and the tender in separate sealed envelopes marked “Earnest Money” and “Tender” respectively. Both the envelopes shall then be placed in another sealed envelope and submitted to the tender inviting authority in the usual manner. The officer opening the tenders shall first open the envelope containing the earnest money. If the earnest money is found to be in order, only then the Officer shall proceed further with opening the tender.
7. **Payment: 100%** Payment will be made within 30 days from the date of receipt of your invoice after receipt of materials in good condition. The **bill in triplicate** along with **Advance stamp fixed and signed receipt** should be sent to the undersigned for effecting payment.





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**ENQUIRY PAGE NO. 2**

8. The delivery period and mode of dispatch should be clearly specified.
9. **Liquidity Damage Clause:** If the supplier fails to supply the materials within the delivery period, then supplier shall pay LD @ 0.5% for each week delay in supply and the total LD % will be subject to the maximum of 5% of the quoted rate.
10. Any loss or damage during transit to site should be made good by the supplier free of charge provided the same is reported within 15 days of the arrival of material at site.
11. Sealed quotation should be superscripted as "QUOTATION/ENQUIRY NO. W-049 for the supply of Transmitters (Pressure and Differential Pressure)" and sent by post or courier.
12. Quotation through e-mail or any other mode will not be accepted.
13. Our **GSTIN No.34AAACP6507E1ZS** is registered with Commercial Taxes Department, Puducherry. The GST number of the agency should be provided.
14. The undersigned reserves all rights to accept/reject the quotation without assigning any reasons thereof.

  
15/09/2022  
**EXECUTIVE ENGINEER (MECH)-PLANT**





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**ENQUIRY PAGE NO. 3**

Sl. No	Description	Qty Reqd.	Unit Rate (Rs.)	Total Amount (in Rs.)
1	<b>Pressure Transmitter</b> As per the Instrument list and Datasheet in the annexure.	06 No's		
2	<b>Differential Pressure Transmitter</b> As per the Instrument list and Datasheet in the annexure.	06 No's		
<b>Add: P&amp;F Charges</b>				
<b>Add: Freight Charges</b>				
<b>Add: GST@ %</b>				
<b>Total Amount Rs.</b>				

**Commercial Terms and Condition:**

Sl.No	Details	Terms in Tender	Terms Accepted by the Party
1	Price Quoted	F.O.R. PPCL, Site	
2	Payment Terms	Within 30 days after delivery of the materials.	
3	Validity	90 Days from date of opening of Tender	
4	Delivery Period	Vendor to specify	
5	Guarantee/warranty Period	Vendor to specify	
6	Acceptance of All the Terms and Condition of the Enquiry	To be Accepted	

**Signature with Seal of the Party**





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**DATASHEET FOR DIFFERENTIAL PRESSURE TRANSMITTER**

	Sl	Description	Specification
General	1	Transmitter Type	SMART type Pressure Transmitter
	2	Make	Emersion/Rosemount, Fuji, Yokogawa, ABB.
	3	Calibrated Range	<b>See Table DPT below</b>
	4	Service	See Table DPT Below
	5	Area Classification	IEC Zone II, GR IIA/ IIB
	6	Ambient Temp Range	20 to 60 deg C
	7	Process Fluid Temp Limits	Vendor to specify
Enclosure& Mounting Specs	8	Enclosure Class	Conforming to IP 66
	9	Mounting	Brackets for 2 inch Yoke mount
	10	Mounting Accessories	Mounting bolts/nuts/ clamps/Oval flange etc to be supplied for each transmitter
Sensor MOC Specs	11	Sensing Element	Diaphragm
	12	Material of Construction	<b>Body Material</b> : Coated Aluminum/ CS or better
			<b>Flanges/Adaptors</b> : SS 316 or better
			<b>Drains/Vents</b> : SS 316 or better
Process Connections	13	Process Conn.	<b>Diaphragms</b> : SS 316 or better
			<b>Fill Fluid</b> : Silicone
Transmitter	14	Vent and Drain Plugs	½ inch NPT (F)
	15	Power Supply	Required
	16	Transmitter Output	12 to 45 V DC
Transmitter Performance Specs	17	Electrical Conn.	2 wire 4-20 mA with digital signal (based on HART protocol) superimposed
	18	Accuracy	½ inch NPT (F) conduit
	19	Repeatability	+/- 0.1 % of Calibrated Span inc. of all effects.
	20	Rangeability	+/- 0.1 % of Span
	21	Static Pressure Rating	100:1 minimum expected
	22	Long Term Stability	130% of URL or Maximum Pressure whichever is higher.
	23	Response/ update time	+/- 0.15 % of URL for 5 years
Features Required	24	Display	0.5 seconds or better
	25	Span & Zero	LCD type Digital Display
	26	Overpressure Alarm	Should be accessible for local adjustment or remotely through HART interface
Warranty	27	Warranty	Over pressure alarm required (Pref)
	28	Calibration Certificates	12 month from Date of installation or 18 months from Date of Supply whichever is earlier
	29	Technical Catalogue/ Manuals	Calibration Certificate to be provided
			Tech catalogues to be attached along with offer.





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Dt 15.09.2022.

**DATASHEET FOR PRESSURE TRANSMITTER**

	Sl	Description	Specification
General	1	Transmitter Type	SMART type Pressure Transmitter
	2	Make	Emersion/Rosemount, Fuji, Yokogawa, ABB.
	3	Calibrated Range	<b>See Table PT below</b>
	4	Service	See Table PT Below
	5	Area Classification	IEC Zone II, GR IIA/ IIB
	6	Ambient Temp Range	20 to 60 deg C
	7	Process Fluid Temp Limits	Vendor to specify
Enclosure& Mounting Specs	8	Enclosure Class	Conforming to IP 66
	9	Mounting	Brackets for 2 inch Yoke mount
	10	Mounting Accessories	Mounting bolts/nuts/ clamps/Oval flange etc to be supplied for each transmitter
Sensor MOC Specs	11	Sensing Element	Diaphragm
	12	Material of Construction	<b>Body Material</b> : Coated Aluminum/ CS or better
			<b>Flanges/Adaptors</b> : SS 316 or better Drains/Vents : SS 316 or better
			<b>Diaphragms</b> : SS 316 or better
Process Connections	13	Process Conn.	<b>Fill Fluid</b> : Silicone
	14	Vent and Drain Plugs	½ inch NPT (F)
Transmitter	15	Power Supply	Required
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Transmitter Performance Specs	18	Accuracy	½ inch NPT (F) conduit
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	20	Rangeability	+/- 0.1 % of Span
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**INSTRUMENT LIST**

		PROCESS PARAMETRES			CONNECTION				
SL NO	SERVICE	PRESSRU E	TEMP.	INSTR RANG E	PROC ESS	INST R	ACCESS ORIES	Mounting	Remark
PRESSURE TRANSMITTER									
1	Main Steam Pressure	45 Kg/Cm <sup>2</sup>	450°C	0-100 KG/CM <sup>2</sup>	1/2"NPT (F)	1/2"NPT (F)	Mounting Accessories and 2way Manifold	Pipe Mount	
2	ST Exhaust Pressure	-0.86 Kg/cm2	80°C	-1 to 0					
3	Gland Steam Pressure	0.1 KG/Cm <sup>2</sup>	360°C	-500 to 800 mmWC					
4	Fuel Gas Pressure (FPG 3)	18 Kg/Cm <sup>2</sup>	120°C	0-25 KG/CM <sup>2</sup>					
5	Cooling Water header Pressure	3 Kg/Cm <sup>2</sup>	40°C	0-10 KG/CM <sup>2</sup>					
6	Boiler feed water Pump 2	80 Kg/Cm <sup>2</sup>	120°C	0-160 KG/CM <sup>2</sup>					
DIFFERENTIAL PRESSURE TRANSMITTER									
7	De- areater Level	2 Kg/Cm <sup>2</sup>	150°C	0-2500 mmWC	1/2"NPT (F)	1/2"NPT (F)	Mounting Accessories, and 3 way Manifold	Pipe Mount	
8	Drum Level	49 Kg/Cm <sup>2</sup>	263°C	-660 to 290 mmWc					
9	CBD Level	2.8 Kg/Cm <sup>2</sup>	141°C	-200 to 200 mmWc					
10	Feed water Flow	70 Kg/Cm <sup>2</sup>	133°C	0-5000 mmWC					
11	Spare 1	45 Kg/Cm <sup>2</sup>	500°C	0-5000 mmWc					Spare for Level Txer
12	Spare 2	45 Kg/Cm <sup>2</sup>	500°C	0-5000 mmWc					Spare for Flow Txer