ATC: BIA221182

Additional Terms & Conditions (ATC)

I. Guarantee/Warrantee: The offered material shall be guaranteed against any manufacturing defect and poor workmanship for a period of 18 months from the date of supply or 12 months from the date of commissioning, whichever is earlier. In case the material fails during guarantee period due to defective material or bad workmanship, you will have to replace/rectify the same free of cost. The guarantee certificate should indicate our order number and your invoice number. Guarantee/Warrantee Certificate shall be submitted along with dispatch documents at no extra cost to NFL.

Item Specification & Quantity

SI. No.	Item Code	Item Detail	UoM	Qty
1	IA8822050	ITEM: ELECTRONIC DIFFERENTIAL PRESSURE TRANSMITTER. RANGE: -30 to +30 mmWC, POWER SUPPLY: 24 VDC, OUTPUT: 4-20 maDC TWO WIRE. DETAILED SPECIFICATION ARE AT ANNEXURE 1 ATTACHED BELOW	NO	2
2	IA9815000	ELECTRONIC PRESSURE TRANSMITTER, RANGE: 0 - 10 KG/CM2, POWER SUPPLY: 24 V DC, OUTPUT: 4 - 20 mA DC TWO WIRE. DETAILED SPECIFICATION ARE AT ANNEXURE 1 ATTACHED BELOW	NO	2
3	IA9835000	ELECTRONIC DIFFERENTIAL PRESSURE TRANSMITTER, RANGE: 0 To 2500 MMWC, POWER SUPPLY: 24 V DC, OUTPUT: 4 - 20 mA DC TWO WIRE. DETAILED SPECIFICATION ARE AT ANNEXURE 1 ATTACHED BELOW	NO	2

ANNEXURE - I

SPECIFICATION FOR ELECTRONIC DIFFERENTIAL PRESSURE TRANSMITTERS & ELECTRONIC PRESSURE TRANSMITTERS

Sr.No.	Item Code	Item Description	Measuring range / Calibration Range	Max. Working Pressure	Quantity Required
1	IA9815000	Electronic Pressure Transmitter	0 to 10 Kg/cm²	100 Kg/cm²	2
2	IA9835000	Electronic Differential Pressure Transmitter	0 to 2500 mmwc	100 Kg/cm²	2
3	IA8822050	Electronic Differential Pressure Transmitter	(-)30 to (+)30 mmwc	10 Kg/cm²	2

1 A	DMMON SPECIFICATION FOR ITEMS Sr. NO. 1,2,3 and 4 DESCRIPTION	REQUIREMENT	
1 A		PEOLIPEMENT	
A		REGUIREMENT	VENDOR'S CONFERMAT
	MATERIAL FOR DETECTING UNIT		
D '	PROCESS COVER	AISI 316	
	MEASURING DIAPHRAGM / CAPSUL MATERIAL	AISI 316L SS OR BETTER	
C	OTHER WETTED PART SENSOR BODY MATERIAL	AISI 316 SS OR BETTER	
	VENT / DRAIN	AISI 316 SS OR BETTER 316 SS	
	SENSOR TYPE	PARTY TO SPECIFY	
	FILLED FLUID	SILICON OIL	
_	PROCESS CONNECTION	1/2 " NPT (F)	
	STUD / BOLT / NUT MATERIAL	AISI SS 304	
1	ELECTRICAL HOUSING	MATERIAL-ALUMINIUM ALLOY, COLOUR/PAINT - AS PER MANUFACTURER STANDARD HAVING WEATHER RESISTANCE PAINT.	,
_	ENCLOSURE CLASS	IP-67 OR BETTER	
	HAZARDOUS AREA CERTIFICATION	TRANSMITTER SHALL BE SUITABLE FOR INSTALLATION IN HAZARDOUS AREA OF ZONE 0, GAS GROUP IIC EEx ib IIC T 4 WITH SHORT CIRCUIT CURRENT LIMIT 120 MA 60°C AMBIENT CONFORMING TO STANDARD IS - 2147 / IS - 2148. TRASMITTER SHALL	
_	POWER SUPPLY	18 V DC TO 36 V DC OR BETTER	
		4-20 MA DC (TWO WIRE) WITH DIGITAL COMMUNICATION THROUGH HART PROTOCAL (HART 5.1 OR BETTER LATEST)	
	WIRING SYSTEM	TWO WIRE	
		MAX 1290 OHMS AT 42 VDC AND MIN 600 OHMS AT 24 VDC OR BETTER	
- 1	ACCURACY (INCLUDING LINEARITY, HYSTERESIS & REAPEATABILITY)	.+/- 0.07 % OF SPAN OR BETTER	
_	RANGEABILITY	100:1	
		ZERO SHIFT 0.5% OF URL FOR ANY OVERRANGE TO MAXIMUM LIMIT.	
	SUPPLY VOLTAGE EFFECT	LESS THAN 0.05% OF CALIBRATED SPAN PER 10V.	1 1 21 1
	STABILITY	+/- 0.2% OF URL FOR 6 MONTHS.	
20	TEMPERATURE EFFECT	EFFECT PER 55°C CHANGE BETWEEN THE LIMITS OF 40°C & + 85 °C ZERO SHIFT: ±0.7% OF URL. TOTAL EFFECT: ±1.0% OF URL.	
21 2		100 % MAX. (1997) 9/11(4)	
22 I		LIGHTNING SURGE UPTO +/-3200V FOR 1u SEC.	
23 2		CONTINUOUSLY ADJUSTABLE EXTERNALLY, NON-INTERACTING TYPE (INTERACTING TYPE NOT ACCEPTED).	
24	INDICATOR	INTEGRAL OUTPUT DIGITAL INDICATOR (LCD TYPE) WITH CONFIGURATION FACILITY.	
	ELECTRICAL CONNECTION	1/2" NPT (F) CABLE CONNECTION EQUIPPED WITH DOUBLE COMPRESSION EXPLOSION PROOF TYPE SS CABLE GLAND.	
		ON 2" NB VERTICAL PIPE	
		0 TO 60 °C.	
	10.7	90% RH	
_	WRITE PROTECTION	YES	
		YES	
31 1		NON VOLATILE MEMORY	
32 (DESCRIPTION CONFIGURATION FACILITY	REQUIREMENT	
32		ADJUSTABLE DAMPING, SQ ROOT EXTRACTION, TEMP./PRESSURE CORRECTION AND ALARM CORRESPONDING TO MIN. / MAX. SPAN.	
33 N	MANIFOLD (DIFFERENTIAL PRESSURE TRANSMITTER)	COMPLETE THREE WAY MANIFOLD ALONG WITH SS NUT, BOLTS & O-RINGS AND ADAPTOR OVAL FLANGES (BOTH SIDE) OF 1/2 " NPT (F) REQUIRED WITH EACH	16
34 N	MANIFOLD (PRESSURE TRANSMITTER)	DIFFERENTIAL PRESSURE TRANSMITTER. COMPLETE TWO WAY BLOCK AND BLEED SS316 L MANIFOLD OF 1/2 " NPT (F) IF	
35 A		REQUIRED WITH EACH PRESSURE TRANSMITTER. THE PARTY SHALL SUPPLY TRANSMITTERS COMPLETE WITH MOUNTING	
		ACCESSORIES, NUTS CLAMPS, BRACKETS SUITABLE TO MOUNT ON 2" SIZE PIPE & DOUBLE COMPRESSION EXPLOSION FROOF SS CABLE GLAND OF 1/2 " NPT	
36 8	STATIC PRESSURE TEST	EACH DIFFERENTIAL PRESSURE TRANSMITTER SHOULD BE STATIC PRESSURE TESTED AT 1 KG/CM2 FOR ITEM SR. NO. 2 & 3. THE ZERO AND SPAN SHIFT SHOULD NOT BE MORE THAN 0.2% OF CALIBRATED SPAN.	
7 F	FOLLOWING CERTIFICATES ARE TO BE PROVIDED BY TH		
i) C	CALIBRATION CERTIFICATES.	E FERDON.	
ii) S	STATIC PRESSURE TEST CERTIFICATES.		
iv) A	GUARANTEE / WARRANTY CERTIFICATE MATERIAL TEST CERTIFICATES		
38 C	DOCUMENTATION		
P	PARTY SHALL SUPPLY 1 SET OF COMPLETE DOCUMENT	S AND DRAWING INCLUDING CIRCUIT DETAILS FOR PROBLEM DIAGNOSIS,	
117	NSTALLATION DETAILS, OPERATION AND MAINTENANCE. HAR	RD COPY AND SOFT COPY SHALL BE PART OF THE SUPPLY.	
39 G	GUARANTEE / WARRANTY	THS FROM THE DATE OF INSTALLATION OR 18 MONTHS FROM THE DATE OF	