

NFL Requirement as per NIT			
Sr. No.	Description of Material	Oty.	UOM
i	Ammonia detector cum transmitter for monitoring ammonia gas (NH ₃) in atmosphere. Sensor type: Electrochemical Output: 4 to 20 mA (2 wire system) Supply voltage: 24V DC Detailed specifications as per attached Annexure.	8	Nos.
Note:	Bidder shall give compliances to Annexure in Vendor Comments Column.		

ANNEXURE			Vendor comment Complied/Not complied
AMMONIA IN ATMOSPHERE DETECTOR CUM TRANSMITTER			
1.	Service	Ammonia(NH ₃) monitoring in atmosphere	
2.	Transmitter Type	2-Wire Loop powered replaceable sensor type	
3.	Transmitter Housing Material	Die- Cast aluminium or better	
4.	Operating Voltage	24 V DC	
5.	Output	4 - 20 mA (2 wire system)	
6.	Type of sensor	Electrochemical type	
7.	Sensor Life	Minimum 1 year	
8.	Measuring Range	0 - 100 PPM	
9.	Temperature Range	Up to 50°C	
10.	Humidity range	5...90% R.H.	
11.	Response Time	Less than 150 seconds	
12.	Resolution	1% of full scale or better	
13.	Repeatability of signal	<10% or better	
14.	Local Display	LED/ LCD Required as an integral part of Transmitter	
15.	Zero-Span adjustment / Calibration provision	Required through Hard Switch/ Pot meter/Calibrator *	
16.	Enclosure Protection	IP 64 or better	
17.	Area of classification	EEx ib IIC T4 or better	
18.	Electromagnetic compability	DIN EN 50270 or better	
19.	Cable Entry	1/2" NPT (F) with one no. of SS cable gland	
20.	Mounting Accessories	Required / Suitable for installation on 2" pipe	

*Note: If there is no Hard Switch/ Pot meter on the offered transmitter for Zero-Span adjustment / Calibration, party to provide one no. Calibrator along with the complete supply.