SF_6 LEAK DETECTOR

1. SCOPE:
The specification covers the supply of SF6 Gas leak detectors

2. PURPOSE:
SF6 leak detector is used for detecting the SF6 leak from the GIS.it ensure that the assemble bay or module is leak proof.

3. SCOPE OF SUPPLY

3.1 SF6 leak detectors
3.2 Alkaline batteries 1.5V 2 Nos (spare)
3.3 Sensor tip
3.4 One Operating manual(English) on CD ROM

4. Technical Details: vendor should confirm following parameters

Sl No	Technical Parameter	Vendor compliance(Yes/No)
1.0	**Features**	
1.1	Control by microprocessor	
1.2	Battery test function	
1.3	Battery voltage indication	
1.4	Mechanical pump provides positive airflow through sensing tip	
1.5	Power supply: 3 V = two 1.5 V “C”-cell alkaline batteries	
1.6	Guaranteed sensitivity: 14 g SF6 / year (0.5 oz / year)	
1.7	Operating temperature: 0 ℃ to +52 ℃	
1.8	Ambient moisture: up to 90 % relative moisture, non-condensing during operation	
1.9	Battery life:. 30 hours(Max)	
1.10	Method of operation: continuous operation without limitation	
1.11	Response time: immediately	
1.12	Reset time: 1 second (Max)	
1.13	Warm-up time: approx. 3 seconds	
1.14	PVC carrier case	

Si No	Technical Parameter	Vendor compliance (Yes/No)
2.0	**Instrument control**	
2.1	**ON/OFF Keys**: Turns unit on or off.	
2.2	**ALARM SELECT Key**: An audible alarm sounds to be appears when the unit is initially turned on. Operater when Press ALARM SELECT key once it turns the visual alarm on. After Pressing the key again for a combination of the audible and visual alarms. After Pressing the key a third time it should will return the unit to its initial audible only setting	
2.2	**SENSITIVITY Key:** The lowest sensitivity range should automatically select each time when the instrument is switched on. Depress and hold the SENSITIVITY key to .To change the sensitivity range depress and hold sensitivity key need to be pressed. The LED should move left to right (LO to HI) until the key is released.	
2.3	**CLEAR Key:** This key should be used for accomplish two tasks. First, it is to be used to reset the memory locations stored in the microprocessor when the unit is in the LOCK-OUT mode of operation. Secondly, it should be used to re-calibrate the unit to surrounding ambient conditions.	
2.4	Dimensions: W 70 mm(Max), H 230 mm(Max), D 70 mm(Max)	

5.0 WARRANTEE

The equipment shall be warranted for trouble free performance and against any Defect in the material, workmanship, design and also any abnormal behavior for a Period of not less than 24 months from the date of supply

6.0 TEST CERTIFICATE

Test, Guarantee & calibration certificate (with validity of 2 year) with calibrated sticker on instrument with calibration traceability to NABL/International Standards.

7.0 QUALIFYING CRITERIA

7.1 Party shall furnish certificate from customer(Any GIS manufacturers) for trouble free operation of equipment for minimum 2 years.details of contact person of customer shall also be furnished.

7.2 Without above certificate bid will be not evaluated further.