

		SPECIFICATION FOR SF6 GAS PRESSURE MONITOR (TEMPERATURE COMPENSATED TYPE)		GSG/18-19/SF6_1																																																											
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	1.0 Application: The SF6 gas pressure monitor will be used for monitoring of SF ₆ gas pressure in Gas Insulated Switchgear.																																																														
	2.0 Specification and vendor compliance:																																																														
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3.0 SF6 Gas Density Monitor variants :

Item No.	Alarm (@ Bar)	Tripping/ Lock out (@ Bar)	Full Scale Pressure (@ Bar)	Dial Details	Vendor com.
1	4.2 (g)	4.0(g)	12.0 (g)	Red arc: less than 4.0 bar	
				Yellow arc : 4.0 bar to 4.2 bar	
				Green arc: beyond 4.2 bar	
				Filling pressure : 4.5 bar	
				Calibration pressure :4.5 bar	
				Range -1 to 6 Bar	
				Resolution scale: 0.2	

4.0 Sample approval.

Supplier should submit 2 No samples and shall start bulk manufacturing only after approval of sample by BHEL. Criteria for sample approval are –

- A. Operational verification for measurement of SF6 gas pressure on actual assembly
- B. Verification of electrical Contacts (Contact 1 & Contact 2) as mentioned in cl. 3.8
- C. Leak test :

Sample shall be tested for SF6 gas leakage by mounting it on switchgear assembly. No leakage should be observed at the coupling joint.

Latest Type test certificate and calibration report to be furnished

5. Documentation

- a. Calibration and Type test report to be submitted along with Technical offer.
- b. Temperature compensated certificate to be submitted