

PSGSG/20-21/001	Product Specifications For STC TESTING	Drg. No.	-
		Date	18.05.2020
		Product	GSM 400
1.0	Application: Gas insulated Switchgear		
2.0	Rated Voltage of GIS: 400 kV		
3.0	Maximum System Voltage : 420 kV		
4.0	Normal Current : 4000 A		
5.0	Short circuit Current : 50 kA, 3 sec, 125 kAp		
6.0	System Frequency : 50 Hz.		
7.0	Lightning Impulse Withstand Voltage : .1425 kV, 1.2/50 μ s		
8.0	Power frequency withstand voltage : 650 kV /60 sec		
9.0	Configuration: Gas insulated bus duct supported by Rib Insulator		
10.0	Test Object: 420 kV Gas insulated bus duct module (DWG: RD DG 4 35 0517 9004) Test arrangement is enclosed as per above drawing. The following single phase STC Tests shall be performed on 420Kv bus duct module as per IEC 62271-203 and relevant standards. 1) 50kA, 3 Secs – 1 Nos.		
11.0	Following additional tests are to be carried out on modules before and after STC as per IEC 1.Contact resistance measurement on all modules GENERAL: In case of doubts in specifications the supplier shall contact BHEL for clarifications		
1/1	PSGSG/20-21/001.doc		Signature