

PSGSG 19-20/006 REV.00	<b>SPECIFICATIONS FOR</b>			PRODUCT	GSM 245
	<b>245kV VOLTAGE TRANSFORMER</b>			DATE	12/12/2019
	DESCRIPTION			CONFIRMATION BY VENDOR	COMMENTS / DEVIATIONS
<b>1.0</b>	<b>APPLICATION:</b>				
	Voltage transformer for 245 kV Gas Insulated substation application.			YES/NO	
<b>2.0</b>	<b>Scope of Supply:</b>				
	Two numbers of Voltage transformer along with insulator as a standalone module.			YES/NO	
<b>3.0</b>	<b>SPECIFICATION:</b>				
<b>3.1</b>	<b>Sl.no.</b>	<b>Parameter</b>	<b>Value</b>		
	1	Rated Voltage (kV, rms)	220 KV	YES/NO	
	2	Frequency	50 Hz	YES/NO	
	3	Standards	IEC 61869-3	YES/NO	
	4	Secondary winding details		YES/NO	
		a) No. of secondary windings	2 ( each with min. burden of 75 VA)	YES/NO	
		b) Rated secondary voltage (Volts)	110	YES/NO	
		c) Rated burden (VA)	200 VA	YES/NO	
		d) Accuracy class	0.2	YES/NO	
		e) Thermal Limit	2000 VA	YES/NO	
	5	Temperature rise at 1.1 times rated voltage with rated burden above specified ambient temp (deg. C)	As per IEC	YES/NO	
	6	Rated voltage factor and time	1.9 Un ≥30 sec	YES/NO	
	7	1.2/50 micro sec. Lighting impulse withstand test voltage (kV, peak)	1050	YES/NO	
	8	One minute power frequency withstand test voltage of primary (kV, rms)	460	YES/NO	
	9	One minute power frequency withstand test voltage of secondary (kV, rms)	2	YES/NO	
	10	Class of winding insulation	E/F	YES/NO	
	11	Rated SF6 gas pressure	3 - 5 bar (g) @ 20°C	YES/NO	

PSGSG 19-20/006 REV.00	<b>SPECIFICATIONS FOR</b>	PRODUCT	GSM 245
	<b>245kV VOLTAGE TRANSFORMER</b>	DATE	12/12/2019
	<b>DESCRIPTION</b>	<b>CONFIRMATION BY VENDOR</b>	<b>COMMENTS / DEVIATIONS</b>
<b>4.0</b>	<b>TESTS &amp; REPORTS:</b>		
<b>4.1</b>	Dimensional : All dimensions shall comply to design specifications.	YES/NO	
<b>4.2</b>	Item shall be subjected to all Routine tests specified in IEC 61869-3 and corresponding test reports shall be submitted along with material.	YES/NO	
<b>5.0</b>	<b>PACKING :</b>		
	The component shall be packed in seaworthy exportable packaging.	YES/NO	
<b>6.0</b>	<b>GENERAL :</b>		
	In case of doubts in drawings or specifications the supplier shall contact BHEL for clarifications.	YES/NO	