

PSGSG 11-12/07 REV.00	SPECIFICATIONS FOR			PRODUCT	GSM 145
	ZnO Blocks			DATE	11.10.12
	DESCRIPTION			CONFIRMATION BY VENDOR	COMMENTS / DEVIATIONS
1.0	APPLICATION:				
	Metal-oxide (ZnO) blocks are required for limiting over voltages in power equipments of SF6 gas insulating medium.			YES/NO	
2.0	Scope of Supply:				
	Metal-oxide (ZnO) blocks -250 Nos.± 2% Since this item comes as stack, hence quantity tolerance of +/- 2% quoted by vendors are acceptable.			YES/NO	
3.0	SPECIFICATION:				
3.1	Sl.no.	Parameter	Value		
	1	Nominal discharge current	20 kA	YES/NO	
	2	Rated voltage	5 to 6 kV (rms)	YES/NO	
	3	Line discharge class	4	YES/NO	
	4	Residual voltage at 10kA	11 to 13 kV	YES/NO	
	5	High current impulse	2*100 kA, 4/10 µs	YES/NO	
	6	Typical specific energy (energy absorption at long duration current withstand test per impulse and per kV rated voltage)	> 4 kJ/kV	YES/NO	
	7	Typical specific energy (energy absorption at long duration current withstand test per impulse and per kV continuous operating voltage)	> 5 kJ/kV	YES/NO	
	8	Reference current	<5 mA	YES/NO	
	9	Block diameter	Approx. 80mm + 5%	YES/NO	
	10	Block Height	Approx. 20mm+ 5%	YES/NO	
	11	S/c Current	> 40 kA	YES/NO	

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3.2	Metal oxide blocks shall be properly checked and free from cracks, holes or pustules on collar or metal splashes and chippings on collar surface etc.	YES/NO	
4.0	TESTS & REPORTS:		
4.1	Dimensional : All dimensions shall comply to design specifications.	YES/NO	
4.2	The blocks shall be subjected to all tests specified in IEC 60099-4 and corresponding test reports of similar blocks shall be submitted along with technical offer for evaluation.	YES/NO	
4.3	The sample blocks of this enquiry shall be performed all tests specified in IEC 60099-4 and corresponding test reports shall be submitted along with supply of material.	YES/NO	
5.0	PACKING :		
	The component shall be packed in high density cardboard boxes, with a primary wrapped in polyethylene and packed individually in dust free boxes after degreasing. The component shall be guaranteed against all manufacturing defects.	YES/NO	
6.0	GENERAL :		
	In case of doubts in drawings or specifications the supplier shall contact BHEL for clarifications.	YES/NO	