

PSGSG/22 -23/002	SPECIFICATION FOR "MOLECULAR SIEVE"		Drg.No.																							
			Date	10.08.22																						
			Product	GSM 145, GSM 245, GSM 420																						
1.0	SCOPE: This specification is valid for procurement of Molecular Sieve required for use in SF6 gas filled components.																									
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2.1	Material: The absorbent type Molecular sieve shall be supplied in beads/pellets of 2-4mm/ dia 1.5mm. These molecular sieves are synthetic crystalline zeolites having a three dimensional sodium alumina silicate frame work having interconnected cavities. Access to these cavities is through pores of uniform diameter of 5 A°/10 A° (angstroms). Molecular sieve may be represented by empirical formula Na ₂ O, Al ₂ O ₃ , SiO ₂ , H ₂ O.																									
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2.4	Variant table:			
	VAR.	SCHET SIZE	No of SACHETS	PORE DIAMETER (A°)
	01	200 gms	150	10 A°
	02	200 gms	25	5 A°
	03	500 gms	20	10 A°
2.5	PACKING:			
	Absorbent material shall be packed properly in vacuum type tins or circumferentially tack welded tins between sealing ring and lid.			
2.6	Marking:			
	The tin box is weighed immediately after sealing its lid. The drawing number, the weight and the date of filling is written in edible ink on the tin box.			
2.7	TEST CERTIFICATE:			
	Test certificates conforming to physical properties of material shall be furnished along with the material.			
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