



GUJARAT ENERGY TRANSMISSION
CORPORATION LTD.
Sardar Patel Vidyut Bhavan, Race Course,
Vadodara: 390 007

TECHNICAL SPECIFICATIONS

OF

INSULATING MATS FOR
SUBSTATION CONTROL ROOM

GETCO/E/TS-MAT/R0 Dtd.27.03.12

INSULATING MATS FOR CONTROL ROOM				
INSULATING MATS AS PER IS 15652:2006				
Sr. No.	Particulars	Specifications		
1	Length X Width	2 m x 1 m		
2	Thickness	Thickness	AC RMS Voltage	Dielectric strength
		2.0 mm	3.3. KV	30 KV
		2.5 mm	11 KV	45 KV
		3.0 mm	33 KV	65 KV
3	Thickness tolerance	+/- 10%		
4	Leakage current	10 Milli Amps (Max.)		
5	Tensile strength	15 N/mm ² (Min.)		
6	Insulation resistance	1,00,000 MΩ (Min.)		
7	Colour	Black		
8	Finish	One side plain and other side pattern.		
	Notes	<p>The prime concern for the development of insulating mats is human safety.</p> <p>-The mats are developed as floor covering for the protection of workers on AC & DC installations with the system voltages up to 33KV & 240V DC.</p> <p>- The insulating mats are made from elastomer (rubber, latex and elastomeric compounds that may be natural or synthetic or mixture of both) with anti-skid aberrations on top to avoid slippery effects and smooth lower surface.</p> <p>-Insulating mats should be fire retardant.</p> <p>-No Adverse Effect of Acids, Alkalis and Transformer Oil.</p> <p>-Easy To Install, Can Be Pasted.</p>		