

STANDARD MANUFACTURING QUALITY PLAN												
Manufacturer Name and Address		Customer	Vendor's Code:		Item:	M.Q.P. No.	Valid From:					
			POWERGRID				Rev. No.	01	Valid Upto:			
					CVT							
						Date:						
Sr. No.	Components / Operations & Description of Test	Type of check	Quantum of Check / Sampling with basis	Reference document for Testing	Acceptance Norms	Format of Record	Applicable Codes					Remarks
							1	2	3	4	5	
f	Dielectric Strength	Test	01sample/ lot	Technical Data sheet/Mfr's specification	Technical Data sheet/Mfr's specification	CMTC	B	K	P	W	N	
8	<u>Bi-Axially Oriented Plain Polypropylene Film</u>										N	
a	Thickness, Space Factor	Measure	01sample/size/ lot	Technical Data sheet/Mfr's specification	Technical Data sheet/Mfr's specification	CMTC	B	K	P	W	N	
b	Dielectric Strength	Test	01sample/size/ lot	Technical Data sheet/Mfr's specification	Technical Data sheet/Mfr's specification	CMTC	B	K	P	W	N	
c	Shrinkage	Test	01sample/size/ lot	Technical Data sheet/Mfr's specification	Technical Data sheet/Mfr's specification	CMTC	B	K	P	W	N	
d	Visual	Visual	100%	Technical Data sheet/Mfr's specification	Technical Data sheet/Mfr's specification	CMTC	B	K	P	W	N	
9	<u>Tanks</u>						E					
a	Leakage Test	Mechanical	100%	As pe Mfr's Spec	As pe Mfr's Spec	CMTC	B	K	P	W	N	
b	Dimensions	Measure	One sample/ lot	As per approved drawings / Mfr's drawings	Obtain manufacturers test certificate/E.M	CMTC	B	K	P	W	N	
10	<u>Galvanising</u>						E					
a	Thickness of Zinc coating	Measure	1 Samples / lot	IS 4759	Min.Avg. Thk ≥ 5mm - 86µm < 5mm - 65µm	CMTC	B	K	P	W	N	
b	Mass of Zinc coating on sample	Measure	1 Sample / / lot	IS 4759	Min.Avg. ≥ 5mm - 610 g/m² < 5mm - 460 g/m²	CMTC	B	K	P	W	N	
c	Uniformity of Zinc coating	Chemical	1 Sample / / lot	IS 2633	IS 2633	CMTC	B	K	P	W	N	
d	Adhesion test	Mechanical	1 Samples / lot	IS 2629	No peel of Zinc	CMTC	B	K	P	W	N	
11	<u>Rubber 'O' Ring</u>						E					
a	Dimensions	Measure	1 sample/ size/ lot	As per Drawing/Mfr's P.O	As per Drawing/Mfr's P.O	CMTC	A/B	J/K	P/S	W	N	
b	Hardness	Test	1 sample/ size/ lot	Tech. Spec. / Mfg. Std.	Tech. Spec. / Mfg. Std.	CMTC	A/B	J/K	P/S	W	N	
c	Elongation at break	Test	1 sample/ size/ lot	Tech. Spec. / Mfg. Std.	Tech. Spec. / Mfg. Std.	CMTC	B	K	P	W	N	
d	Aging in transformer oil	Test	1 sample/ size/ lot	Tech. Spec. / Mfg. Std.	Tech. Spec. / Mfg. Std.	CMTC	B	K	P	W	N	
e	Compression Set	Test	1 sample/ size/ lot	Tech. Spec. / Mfg. Std.	Tech. Spec. / Mfg. Std.	CMTC	B	K	P	W	N	
12	<u>Cork Gasket (If Applicable)</u>						E					
a	Dimensions	Measure	1 sample/ size/ lot	As per Drawing/Mfr's P.O	As per Drawing/Mfr's P.O	CMTC	A/B	J/K	P/S	W	N	
b	Hardness	Test	1 sample/ size/ lot	Tech.spec./ IS 4253	Tech.spec./IS 4253	CMTC	A/B	J/K	P/S	W	N	
c	Tensile Strength	Test	1 sample/ size/ lot	Tech.spec./ IS 4253	Tech.spec./IS 4253	CMTC	B	K	P	W	N	
d	Compression Set at 100°C for 70 hrs	Test	1 sample/ size/ lot	Tech.spec./ IS 4253	Tech.spec./IS 4253	CMTC	B	K	P	W	N	
e	Compressibility	Test	1 sample/ size/ lot	Tech.spec./ IS 4253	Tech.spec./ IS 4253	CMTC	B	K	P	W	N	
f	Flexibility	Test	1 sample/ size/ lot	Tech.spec./ IS 4253	Tech.spec./ IS 4253	CMTC	B	K	P	W	N	
g	Resistance to transformer oil at 100 °C for 70 hrs.	Test	1 sample/ size/ lot	Tech.spec./ IS 4253	Tech.spec./ IS 4253	CMTC	B	K	P	W	N	
h	pH of water extract	Test	1 sample/ size/ lot	Tech.spec./IS 4253	Tech.spec./IS 4253	CMTC	B	K	P	W	N	