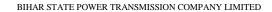


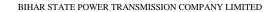


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Sr. No.	Components/ Operations & Description of Test	Type of Check	Quantum of Check / Sampling with basis	Reference Document for Testing	Acceptance Norms	Format of Record	1	2 2	3	ole C	odes 5	6	Remarks
	RAW MATERIAL INSPECTION												
1.0	ELECTRONIC COMPONENTS												
1.1	RESISTORS (Metal Film, Wire Wound)	Electrical / Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	w	N	N	Review of EM/CM TC by BSPTCLduring final inspection
1.2	POTENTIOMETERS	Electrical / Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	N	N	do
1.3	CAPACITORS (Polystyrene, electrolytic)	Electrical / Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	N	N	do
1.4	TRANSISTORS	Electrical / Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	N	N	do
1.5	LED	Electrical / Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	N	N	do
1.6	INTEGRATED CIRCUITS (LINEAR)	Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	Е	N	do
1.7	THYRISTORS/SCR AND POWER DIODES / BLOCKING DIODES	Visual Check	100%	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	w	E	N	do
2.0	CRGO LAMINATIONS	Visual Check	100%	EM norms/ BSPTCL Specn	EM norms/ BSPTCL Specn	As per BSPTCL	А	J	s	W	E	N	do
3.0	ENAMELED WIRE	Electrical/Visual & Mechanical Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	w	E	Ν	do
4.0	POWER TRANSFORMERS/ AUX. TRANSFORMER			EM/BSPTCL specs	EM/BSPTCL specs						Е		
a)	IR Measurement	Electrical	100%	IS: 2026/ EM norms/ BSPTCL Specn.	IS: 2026/ EM norms/ BSPTCL Specn.	As per BSPTCL	А	J	S	W		N	do
b)	H.V.Test	Electrical	100%	IS: 2026/ EM norms/ BSPTCL Specn.	IS: 2026/ EM norms/ BSPTCL Specn.	As per BSPTCL	А	J	S	W		N	Review of EM/CM TC by BSPTCLduring final inspection
c)	Double Voltage / Double frequency test (For Power Transformers Only)	Electrical	100%	IS: 2026/ EM norms/ BSPTCL Specn.	IS: 2026/ EM norms/ BSPTCL Specn.	As per BSPTCL	Α	J	S	W		N	do
5.0	CONNECTORS	Electrical / Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	N	N	do
6.0	RELAYS	Electrical / Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	Е	N	do
7.0	PCB (GLASS EPOXY)	Visual & Mechanical Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	w	N	N	do



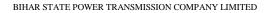


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Sr. No.	Components/ Operations & Description of Test	Type of Check	Quantum of Check /	Reference Document for	Acceptance Norms	Format of Record		App	licat	le C	odes	•	Remarks
	Description of Test		Sampling with basis	Testing	Norms	Record	1	2	3	4	5	6	
8.0	Switches (TOGGLE)/ROTARY)	Electrical/Visual & Mechanical Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	W	E	N	do
9.0	METER (VOLTMETER, AMMETER)	Electrical/Mechani cal/Visual Check	100%	Sub-vendor's Catalogue/ IS:1248 EM norms/BSPTC L Specn	Sub-vendor's Catalogue/ IS:1248 EM norms/BSPTC L Specn	As per BSPTCL	А	J	s	W	Е	N	do
10.0	CHOKE										Е		
a)	Inductance	Electrical	100%	EM norms/ BSPTCL Specn	EM norms/ BSPTCL Specn	As per BSPTCL	Α	J	S	W		N	do
b)	H.V. Test	Electrical	100%	EM norms/ BSPTCL Specn	EM norms/ BSPTCL Specn	As per BSPTCL	Α	J	S	W		N	do
c)	Insulation Resistance measurement	Electrical	100%	EM norms/ BSPTCL Specn	EM norms/ BSPTCL Specn	As per BSPTCL	Α	J	S	W		N	do
11.0	Over Load Relay	Electrical/Visual Check	100%	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	W	Е	N	do
12.0	Rotary Switch	Electrical/Visual Check	100%	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	W	E	N	do
13.0	Current Shunt	Electrical/Visual Check	100%	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	W	E	N	do
14.0	мсв	Electrical/Visual & Mechanical Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	W	Е	N	do
15.0	мссв	Electrical/Visual & Mechanical Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	W	Е	N	do
16.0	WIRES/ CABLES	Electrical/Mechani cal/Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	W	N	N	ISI marked
17.0	SLEEVES	Mechanical/Visual Check	100%	EM norms/ BSPTCL Specn	EM norms/ BSPTCL Specn	As per BSPTCL	Α	J	S	W	N	N	Review of EM/CM TC by BSPTCLduring final inspection
18.0	TERMINAL BLOCKS	Electrical/Visual & Mechanical Check	100%	Sub-vendor's Catalogue/ EM norms/BSPTC L Specn	Sub-vendor's Catalogue/ EM norms/BSPTC L Specn	As per BSPTCL	А	J	s	W	Е	N	do
19.0	FRONT PANEL & CARD GUIDE	Mechanical/Visual Check	100%	EM norms/ BSPTCL Specn	EM norms/ BSPTCL Specn	As per BSPTCL	Α	J	S	W	N	N	do
20.0	HEAT SINK	Mechanical/Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	S	W	N	N	do
21.0	FUSE & FUSE HOLDERS	Electrical/Visual & Mechanical Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	Е	N	do



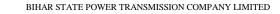


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Sr. No.	Components/ Operations &	Type of Check	Quantum of	Reference	Acceptance	Format of				ole C		3	Remarks
	Description of Test		Check / Sampling with basis	Document for Testing	Norms	Record	1	2	3	4	5	6	
22.0	NEOPRENE GASKET	Mechanical/Visual Check	100%	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	As per BSPTCL	Α	J	S	w	E	N	do
23.0	LUGS & CRIMPED TERMINAL	Mechanical/Visual Check	IS 2500	EM/BSPTCL specs	EM/BSPTCL specs	As per BSPTCL	Α	J	s	W	Е	N	do
24.0	FERRULES	Mechanical/Visual Check	10%	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	As per BSPTCL	Α	J	S	W	N	N	do
25.0	IC & RELAY SOCKET	Electrical/Visual & Mechanical Check	100%	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.		As per BSPTCL	Α	J	S	w	N		Review of EM/CM TC by BSPTCLduring final inspection
26.0	ANNUNCIATOR/HOOTER	Electrical/Visual & Mechanical Check	100%	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	As per BSPTCL	Α	J	S	w	Е	N	do
27.0	FASTNERS & SPACERS	Visual & Mechanical Check	100%	Sub - vendor's Catalouge/ IS:1365/2016/ 1366/2269 /EM norms / BSPTCL Specn.	Sub - vendor's Catalouge/ IS:1365/2016/1 366/2269 /EM norms / BSPTCL Specn.	As per BSPTCL	А	J	S	w	N	N	do
28.0	CABLE CONDUITS	Visual & Mechanical Check	100%	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	As per BSPTCL	Α	J	s	W	N	N	do
29.0	PANEL From BSPTCLApproved Vendor					As per BSPTCL					E		
a)	Type and Make	Visual Check	100%	BSPTCL Specn.	BSPTCL Specn.	As per BSPTCL	Α	J	s	Υ		N	do
b)	Dimensional Check	Mechanical	100%	BSPTCL Specn.	BSPTCL Specn.	As per BSPTCL	Α	J	s	Υ		N	do
c)	Finish	Visual Check	100%	BSPTCL Specn.	BSPTCL Specn.	As per BSPTCL	Α	J	s	Υ		N	do



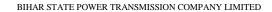


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Sr. No.	Components/ Operations &	Type of Check	Quantum of	Reference	Acceptance	Format of				ole C		;	Remarks
	Description of Test	71	Check /	Document for		Record							
			Sampling with basis	Testing			1	2	3	4	5	6	
30.0	CRCA SHEET From BSPTCLApproved Vendor										Е		
a)	Type and Make	Visual Check	100%	Sub - vendor's Catalouge/ IS:513 /BSPTCL Specn.	Sub - vendor's Catalouge/ IS:513 / BSPTCL Specn.	As per BSPTCL	В	К	Р	W		N	Review of Test records by BSPTCLduring final inspection
b)	Chemical Analysis	Chemical	One Sample/ Lot	Sub - vendor's Catalouge/ IS:513 /BSPTCL Specn.	Sub - vendor's Catalouge/ IS:513 / BSPTCL Specn.		В	К	Р	W		N	do
c)	Tensile Test	Mechanical	One Sample/ Lot	Sub - vendor's Catalouge/ IS:513 /BSPTCL Specn.	Sub - vendor's Catalouge/ IS:513 / BSPTCL Specn.		В	К	Р	W		N	do
d)	Thickness of the Sheet	Mechanical	One Sample/ Lot	Sub - vendor's Catalouge/ IS:513 /BSPTCL Specn.		As per BSPTCL	В	к	Р	W		N	do
31.0	INDICATION LAMPS & HOLDERS	Electrical/Visual & Mechanical Check	100%		Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	As per BSPTCL	А	J	S	W	N	N	do
32.0	PUSH BUTTONS	Electrical/Visual & Mechanical Check	100%		Sub - vendor's Catalouge/ EM norms / BSPTCL Specn.	As per BSPTCL	А	J	S	w	E	N	do
33.0	CONTACTORS	Electrical/Visual & Mechanical Check	100%		Sub - vendor's	As per BSPTCL	А	J	S	w	Е	N	Review of EM/CM TC by BSPTCLduring final inspection



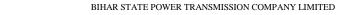


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Sr. No.	Components/ Operations &	Type of Check	Quantum of	Reference	Acceptance	Format of					odes		Remarks
•	Description of Test	Type or encon	Check / Sampling with basis	Document for Testing	Norms	Record	1	2	3	4	5	6	-
34.0	PANEL OF BSPTCL Approved Vendor										E		
a)	Degreasing including water rinsing	Chemical	100%	IS:6005 and EM Norms/ BSPTCL Specn.	IS:6005 and EM Norms/ BSPTCL Specn.		В	K	Р	W		N	do
b)	Descaling	Chemical	100%	IS:6005 and EM Norms/ BSPTCL Specn.	IS:6005 and EM Norms/ BSPTCL Specn.		В	К	Р	W		N	Review of EM/CM TC by BSPTCLduring final inspection
c)	Water Rinsing	Chemical	100%	IS:6005 and EM Norms/ BSPTCL Specn.	IS:6005 and EM Norms/ BSPTCL Specn.		В	К	Р	W		N	do
d)	Phosphating	Chemical	100%	IS:6005 and EM Norms/ BSPTCL Specn.	IS:6005 and EM Norms/ BSPTCL Specn.		В	K	Р	W		N	do
e)	Water Rinsing	Chemical	100%	IS:6005 and EM Norms/ BSPTCL Specn.	IS:6005 and EM Norms/ BSPTCL Specn.		В	К	Р	W		N	do
f)	Hot Chromating	Chemical	100%	IS:6005 and EM Norms/ BSPTCL Specn.	IS:6005 and EM Norms/ BSPTCL Specn.		В	K	Р	W		N	do
g)	Sealing	Chemical	100%	IS:6005 and EM Norms/ BSPTCL Specn.	IS:6005 and EM Norms/ BSPTCL Specn.		В	K	Р	W		N	do
35.0	PRIMER COATING										Е		
a)	1st Coat	Chemical	100%	BSPTCL Specn./ BSPTCL Approved Drgs.	BSPTCL Specn./ BSPTCL Approved Drgs.		В	K	Р	W		N	do
b)	Oven Drying	Chemical	100%	BSPTCL Specn./ BSPTCL Approved Drgs.	BSPTCL Specn./ BSPTCL Approved Drgs.		В	К	Р	W		N	Review of Test records b BSPTCLduring final inspection





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			with basis	DODTO	BSPTCL								
c)	2nd Coat	Chemical	100%	BSPTCL Specn./ BSPTCL Approved Drgs.	Specn./ BSPTCL Approved Drgs.		В	К	Р	w		N	do
d)	Oven Drying	Chemical	100%	BSPTCL Specn./ BSPTCL Approved Drgs.	BSPTCL Specn./ BSPTCL Approved Drgs.		В	Κ	Р	w		N	do
36.0	PAINTING (SPRAY)										Е		
a)	1st Coat	Chemical	100%	BSPTCL Specn./ BSPTCL Approved Drgs.	BSPTCL Specn./ BSPTCL Approved Drgs.		В	К	Р	w		N	do
b)	Oven Drying	Chemical	100%	BSPTCL Specn./ BSPTCL Approved Drgs.	BSPTCL Specn./ BSPTCL Approved Drgs.		В	K	Р	w		N	do
c)	2nd Coat	Chemical	100%	BSPTCL Specn./ BSPTCL Approved Drgs.	BSPTCL Specn./ BSPTCL Approved Drgs.		В	К	Р	w		N	do
d)	Oven Drying	Chemical	100%	BSPTCL Specn./ BSPTCL Approved Drgs.	BSPTCL Specn./ BSPTCL Approved Drgs.		В	К	Р	w		N	do
37.0	IN CASE OF DRY POWDER COATING										E		
a)	Powder Coating	Chemical	100%	Coating process as per acceptance norms, paints thickness etc. as per BSPTCLappro ved Drg/Tech. Specn/ DFT 60 microns min .	Coating process as per acceptance norms, paints thickness etc. as per BSPTCLappro ved Drg/Tech. Specn/ 60 microns min for .		В	к	Р	w		N	Review of EM/CM TC by BSPTCLduring final inspection

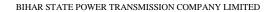




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	Description of Test		Check / Sampling with basis	Document for Testing	Norms	Record	1	2	3	4	5	6	
PROCESS	SINSPECTION												
1.0	PANEL OF BSPTCL Approved Vendor										E		
a)	Paint Type and Make	Visual Check	100%	Of reputed make / BSPTCLspec.	Of reputed make / BSPTCLspec.		В	K	Р	W		N	do
b)	Finish	Visual Check	100%	Approved EM Drg./ BSPTCL Specn./ BSPTCL Drgs.	Approved EM Drg./ BSPTCL Specn./ BSPTCL Drgs.		В	κ	Р	W		N	do
c)	Paint Thickness	Mechanical	100%	Approved EM Drg./ BSPTCL Specn./ BSPTCL Drgs/DFT 60 microns min for powder coat.	Approved EM Drg./ BSPTCL Specn./ BSPTCL Drgs/DFT 60 microns min for powder coat.		В	К	Ρ	w		N	do
2.0	COMPONENT KITTING (PCB)										N		
a)	Quantity	Visual Check	100%	EM norms/ BSPTCL Specn.	EM norms/ BSPTCL Specn.		Α	J	s	W		N	do
b)	Identification	Visual	100%	EM norms/ BSPTCL Specn.	EM norms/ BSPTCL Specn.		Α	J	s	W		N	do
3.0	COMPONENT PREPARATION	Visual Check	100%	EM norms/ BSPTCL Specn.	EM norms/ BSPTCL Specn.		Α	J	s	W	N	N	do
4.0	COMPONENT (PCB) PLACEMENT/ASSEMBLY	Visual Check	100%	EM norms/ BSPTCL Specn.	EM norms/ BSPTCL Specn.		Α	J	s	W	N	N	do
5.0	SOLDERING	Visual Check	100%	EM norms/ BSPTCL Specn.	EM norms/ BSPTCL Specn.		Α	J	s	W	N	N	do
6.0	PCB TESTING										Ν		
a)	Visual Check for missing components, orientation of component etc.	Visual Check	100%	EM procedures EM norms/ BSPTCL Specn.	EM procedures EM norms/ BSPTCL Specn.		Α	J	S	W		N	Review of EM/CM TC by BSPTCLduring final inspection

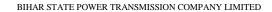


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	Description of Test		Check / Sampling with basis	Document for Testing	Norms	Record	1	2	3	4	5	6	
b)	Functional Check on test jig	Electrical	100%	EM procedures EM norms/ BSPTCL Specn.	EM procedures EM norms/ BSPTCL Specn.		Α	J	S	W		N	do
7.0	SOAK (BURN IN) TEST						Α	J	S	W	Ν	Ν	do
a)	On assembled cards at 70± 5deg. for 120 Hrs. and functional test after burn in	Environmental	100%		test procedures EM norms/ BSPTCL Specn.	As per BSPTCL	А	J	s	W		N	do
8.0	MODULE ASSEMBLY										N		
a)	Component Fitting	Visual Check	100%	EM norms/ BSPTCL Specn.	EM norms/ BSPTCL Specn.	As per BSPTCL	Α	J	s	W		N	do
9.0	ROUTINE TESTS												
a)	Full load testing of the Completed assembled Equipment for 48 hours (Observed for no failure of the output of the charger)	Electrical	100%	Appro data sheets/ BSPTCL Specn./ BSPTCL approved Drgs.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn./ BSPTCL approved Drgs.	As per BSPTCL	А	J	s	w		N	Review of EM/CM TC by BSPTCLduring final inspection
b)	All the acceptance tests	Electrical	100%	BSPTCL Cnass /	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn./ BSPTCL approved Drgs.		А	J	S	w		N	do





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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	1	App 2	licat 3	ole C	odes 5	6	Remarks
NSPECTIO	N & TESTING												
1.0	ACCCEPTANCE TESTS												
1.1	Check on the assembly & wiring (complete physical examination) and BOM check.	Visual Check	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn./ BSPTCL approved Drgs.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn./ BSPTCL approved Drgs.	Test report	А	J	U	Z		Υ	Dispatch Instructions/ Clearance by BSPTCL
1.2	Insulation Resistance Test on the complete Equipment	Electrical	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	Test report	А	J	U	Z		Υ	Dispatch Instructions/ Clearance by BSPTCL
1.3	H.V. TEST	Electrical	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	Test report	Α	J	U	Z		Υ	Dispatch Instructions/ Clearance by BSPTCL
1.4	DC output voltage stability for the specified variation in mains input and DC load variation for 0 to 100% (Regulation Test)	Electrical	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	Test report	А	J	U	Z		Υ	Dispatch Instructions/ Clearance by BSPTCL
1.5	Ripple voltage test on full load output condition/ half load/ no load	Electrical	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	Test report	Α	J	U	Z		Υ	Dispatch Instructions/Clearance by BSPTCL
1.6	Over current limit test at 105% load (voltage drooping test/load limiter operator)	Electrical	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	Test report	Α	J	U	Z		Υ	Dispatch Instructions/Clearance by BSPTCL
1.7	Under/Over voltage adjustable limit test	Electrical	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	Test report	А	J	U	Z		Υ	Dispatch Instructions/Clearance by BSPTCL





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							DAT	Έ:	02.0	01.20	16		•
Sr. No.	Components/ Operations &	Type of Check	Quantum of	Reference	Acceptance	Format of		App	lical	ole C	odes	;	Remarks
	Description of Test		Check / Sampling with basis	Document for Testing	Norms	Record	1	2	3	4	5	6	
1.8	Short circuit test (DC output side)	Electrical	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	Test report	Α	J	U	Z		Υ	Dispatch Instructions/Clearance by BSPTCL
1.9	Annunication circuit test by simulation fault condition for :	Electrical	100%	IS:4540/8623/	IS:4540/8623/	Test report	Α	J	U	Z		Υ	
a)	AC incoming supply failure	Electrical		BSPTCL Apprd data	BSPTCL Apprd	Test report	Α	J	U	Z		Υ	Dispatch
b)	SCR/Diode fuse failure	Electrical		sheets/	data sheets/ BSPTCL	Test report	Α	J	U	Z		Υ	Instructions/Clearance by BSPTCL
c)	Over voltage across the battery under boost charging	Electrical		BSPTCL Specn.	Specn.	Test report	Α	J	U	Z		Υ	- BSPTCL
d)	Charger Fail	Electrical		†		Test report	Α	J	U	Z		Υ	
1.10	Heat run temperature rise test for minimum 8 hrs on following test points.	Environmental	100%	IS:4540/8623/ BSPTCL	IS:4540/8623/	Test report	А	J	U	Z		Υ	
a)	Main transformer (one Coil)			Apprd data	BSPTCL Apprd	Test report	Α	J	U	Z		Υ	Dispatch
b)	Rectifier diode/SCR (One number each)			sheets/ BSPTCL	BSPTCL	Test report	Α	J	U	Z		Υ	Instructions/Clearance by BSPTCL
c)	Filter Choke			Specn.	Specn.	Test report	Α	J	U	Z		Υ	
d)	Core of Transformer			] '		Test report	Α	J	U	Z		Υ	
e)	Blocking Diode					Test report	Α	J	U	Z		Υ	
f)	Mid Zone of panel inside					Test report	Α	J	U	Z		Υ	
1.11	Spares- check for make/ type etc	Visual Check	100%	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	IS:4540/8623/ BSPTCL Apprd data sheets/ BSPTCL Specn.	Test report	Α	J	U	Z		Υ	Dispatch Instructions/Clearance by BSPTCL
1.12	Functional check on Temperature sensor for battery Bank.	Electrical	100%	BSPTCL Specs	BSPTCL Specs	Test report	Α	J	U	Z		Υ	Dispatch Instructions/Clearance by BSPTCL



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Sr. No.	Components/ Operations &	Type of Check	Quantum of	Reference	Acceptance	Format of		App	licat	ole C	odes	;	Remarks
	Description of Test		Check / Sampling with basis	Document for Testing	Norms	Record	1	2	3	4	5	6	
1.13	Mechanical Interlock check for two no of input MCCB's .	Mechanical	1100%	BSPTCL Specs	BSPTCL Specs	Test report	Α	J	U	Z		Υ	Dispatch Instructions/Clearance by BSPTCL
1.14	Paint shade and thickness check	visual/mechanical check	random	BSPTCL Specs/60 microns min for powder coating	BSPTCL Specs/60 microns min for powder coating	Test report	Α	J	U	Z		Υ	Dispatch Instructions/Clearance by BSPTCL
2.0	TYPE TESTS									1			
1.1		All Type Tests required as per contract in question need to be conducted/ approval from BSPTCL Engg. to be obtained	BSPTCL	As agreed with BSPTCL Engg.	As agreed with BSPTCL Engg.	Test Report							



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Sr. No.	Components/ Operations &	Type of Check	Quantum of	Reference	Acceptance	Format of	DAT		02.0 licab				Remarks
	Description of Test		Check / Sampling with basis	Document for Testing	Norms	Record				5	6		
1.0	PACKING & DESPATCH												
1.1	Checking for completeness of the equipment and accessories including spares as per order	Visual	100%	As per packing list	As per packing Standard		А	J	s	w		N	
1.2	Check for proper packing	Visual	100%	As per packing	As per packing Standard		Α	J	S	W		N	
1.3	Ensure supply of operation manual, packing list and test reports along with copy of	Visual		As per packing Standard	As per packing Standard		Α	J	S	w		N	
1.4	Checking for Dispatch Instructions/Clearance by BSPTCL number on the packing	Visual	300%	As per packing Standard	As per packing Standard		Α	J	S	w		N	



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MANUFACTURER:		CUSTOMER:		VENDOR'S CODE		ITEM:	Q.P. NO. 001						Valid From: 15.01.2016
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							DATE: 02.01.2016						valid Opto: Till Nevision
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
31.140.							Applicable Co					ı —	Remarks
							1	2	3	4	5	6	
Code 1	Code 1 Indicates place where testing is planned to be performed i.e.			Code 2	Indicates who has to perform the tests i.e. Testing Agency								
						<u> </u>							
A	At Equipment Manufacturer's work	J		ment Manufacturer									
В	At Component Manufacturer's wor	K	The Component Manufacturer										
С	At Authorised Distributor's place	L	The Third Party										
D	At Independent Lab	М	The Turnkey Co	e Turnkey Contractor									
Е	At Turn Key Contractor's location												
F	Not specified												
						1							
Code 3	Indicates who shall witness the tests i.e. Witnessing Agency			Code 4	Review of Test								
Р	Component Manufacturer itself	W	By Equipment n				mate						
Q	Component Manufacturer and Equ	Х	By Contractor d										
R	Component Manufacturer, Equipm	Y	By BSPTCL during product/process inst By Contractor and/or BSPTCL during produc										
S	Equipment Manufacturer itself	Z	By Contractor a	ind/or BSPTCL	. durir	ng pr	oduc						
Т	Equipment Manufacturer and Con												
U	Equipment Mannufacturer, Contra												
V	Third Party itself												
Code 5	Whether specific approval of sub-vendor / Component make is			Code 6	Whether test re	cords required	to be	sub	mitte	d aft	er fin	al	
E	Envisaged			Y	Yes								
N	Not Envisaged			N	No								



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		ВЭРТ	CL										Valid Upto: Till Revision
							DATE: 02.01.2016			6			
Sr. No.	Components/ Operations &	Type of Check  Quantum of		Reference	Acceptance	Format of		App	licab	le Co	des	Remarks	
	Description of Test	Ch San	Check / Sampling with basis	Document for Testing	ocument for Norms	Record	1	2	3	4	5	6	
	Notes :		***************************************										
	1. The MQP should be read in con	junction with BSPT(	CL specification	and shall deem	to include additi	onal tests if an	y req	uired	as p	er the	cor	tract	t
	BSPTCL specification shall incluse specific contract.	ide provisions of lett	ter of Award , B	SPTCL approved	d drawings /tech	nical data she	et / Bo	OM /	test	sched	dule /	test	procedure applicable to the
	O la company distingtion hat			landa Haia MOD	I DODTOL	:6:4: 6-11					L - II I		lanca d
	3. In case of any contradiction between	ween the manufactu	rer's plant stand	iards , this MQP	and BSPTCL sp	pecification foil	owing	pre	ceae	nce s	nali t	oe roi	llowed :-
	a) DCDTCI anacitication												
	a) BSPTCL specification .     b) This Manufacturing Quality p	lon											
	c) Manufacturer's plant standar								-				
	c) Manufacturer's plant standar	us .											
	4. It is the responsibility of the mar	nufacturer to ensure	that this docum	ent is readily av	ailable at their w	orks , as well a	as at t	he w	orks	of the	eir su	ıb ve	ndors in order to avoid any
	delay at the time of inspection		r	1		ı							
	5.71						<u> </u>		L.,	لبا			P1 4: 477
	<ol><li>The manufacturer shall ensure t traceable to Indian / International s accredited laboratories.</li></ol>												
				202 1 111 1	IADI II		D00	<del>-</del> -01					
	6. In case of any tests being carrie	d out at third party is	ab, such lab / fa r	cility should be i	NABL accredited	/ accepted by	BSP	ICL.					
			4			<u> </u>	Щ.						
	7. The manufacturer shall maintain inspection by BSPTCL.	the proper co-relati	ion of test certifi	cates from raw i	material stage to	finished prod	uct sta	age a	and th	ne red	cords	sho	uld be available during
	O. Manufactura a hall about the area	I - ( DODTOL				 		4 4				d D	ODTOL ifi ti t th-
	Manufacturer shall show the app time of final inspection.	oroval of BSPTCL el	ngineering for a	ii contract specif	ic type tests , inc	cluaing specific	: туре	tests	s ir ai	ny as	per	ine B	SSPICE specification at the
	All packing cases should be man been cleared for dispatch ) .	rked with BSPTCL L	.OA details , nar	me of project, ite	em description a	nd Dispatch Ir	struc	tions	/Clea	rance	e by	BSP <sup>-</sup>	TCL (by which material has
						L							
	10. One copy of test report , Dispa	tch Instructions/Clea	arance by BSP1	CL shall also be	sent along with	consignment.							
	44 Increation of anous items and	and by DCDTCL abo		and but the amoust	siana af thia MOI	l temes it met	~~	a		- NAC	אם בו	ما الم	
	11. Inspection of spare items order BSPTCL specifications / Relevant-			ied by the provis	SIONS OF THIS IVIQU	P . Items II not	gove	mea	unae	er ivic	ĮP SI	iali b	e offered for inspection as per
	12. The manufacturer shall align th	eir quality system a	nd that of their s	sub-vendors to t	ne requirements	of latest ISO	9000	qualit	ty sta	ındar	ds in	a tim	ne bound manner.
						<u> </u>							
	13. The relevant details of plant sta	andards and quality	pian for differen	it ratings are sho	own in attached A	annexure.							
	14. BSPTCL may review the effect	ivo implementation	of the processe	c during the pro-	duct increation /	process inch	otion		<del>                                     </del>	$\vdash$			
	In case any violation in process or								shal	l he o	onve	wed.	to RSPTCL within 2 weeks
	in case any violation in process of	process parameter	are observed,	inc reason alon	y WILLI COLLECTIVE	a preventive	meas	uies	Silai	1 20 0	ULIVE	yeu	DOI TOL WILLIII Z WEEKS
	EM : Equipment Manufacturer			CM : Compone	nt Manufacturer				1				
			l .			1							