

**SMPS POWER PLANT FOR
INDIAN RAILWAYS TELECOM EQUIPMENTS
ESSENTIAL MACHINERY AND PLANT REQUIRED FOR PRODUCTION**

.No.	RDSO Requirement as per STR	Available/ Not Available	Make/Model	Calibration Detail.	Remarks
1	Coil winding Machine				
2	Vacuum Impregnation Machine				
3	Temp.Control Oven				
4	Vertical drilling M/c				
5	Variac or any other type of set up in addition to simulating the normal voltage condition, the following should also be met. 1. To simulate 130V-300VAC for single phase and 400V for three phase. 2. To simulate disbalance of 10% to 15% for three phase. 3. To simulate frequency variation from 48V to 52V. 4. To act to max. load to the system under test as a whole				
6.	Resistive Load of different capacities				
7	Regulated DC Power supply of different range				
8.	Magnifying glass for inspection				
9.	Test jig for card testing				
10.	Secondary Batteries set-up for VRLA/LMLA				

**SMPS POWER PLANT FOR
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ESSENTIAL Testing Equipments REQUIRED FOR PRODUCTION**

S.No.	RDSO Requirement as per STR	Available/ Not Available	Make/Model	Calibration Detail.	Remarks
1	CRO 200 MHz				
2	Digital Storage Oscilloscope				
3	Digital Multimeter 4½ digit				
4	Power analyzer for measuring AC voltage current & input THD (voltage & current up to 3 rd harmonic) power factor & frequency				
5	High voltage tester 1500 V-50Hz				
6	Megger 500V DC				
7	Psophometer				
8	Accoustic Noise/Level meter				
9	Clamp meter for measurement of AC /DC Current				
10	Million Mega Ohm meter				
11	Milli Ohm meter				
12	True RMS Digital multimeter				
13	Hour meter				
14	Watt meter				
15	Dry & wet Thermometer				
16	Digital Micrometer				
17	Digital Vernier Caliper				
18	LCR bridge & meter				
19	Data logger for measuring, temp.				
20	Stop Watch				