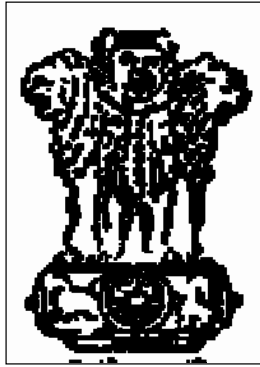


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**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

TELECOM DIRECTORATE

SCHEDULE OF TECHNICAL REQUIREMENT (STR)

FOR

SILICON GEL BASED CABLE JOINTING KIT

RESEARCH DESIGNS AND STANDARDS ORGANISATION

MANAK NAGAR, LUCKNOW – 226011

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7.	Cone Penetrometer	1 no.								
8.	Needle Penetrometer	1 no.								
9.	P.H.Meters if required	1 no.								
10.	Micro Ohm Meter	1 no.								
11.	Analytical/ Digital Balance	1 no.								
12.	Electronic Balance (0-0.1 kg, with 1 mg accuracy)	1 no.								
13.	Thermometers (0-150 ⁰ C)	1 no.								
14.	Air circulating oven (upto 150 ⁰ C & upto 300 ⁰ C)	1 no.(each)								

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15.	Humidity Chamber	1 no.								
16.	Environmental Chamber	1 no.								
17.	Petri-dishes, Test tubes, Beaker, Chemicals, Measuring Flask	As per requirement.								
18.	Cone Penetration cups	1 no.								
19.	Constant Temp. water bath	1 no.								
20.	Vernier calipers	1 no.								
21.	Steel scales(600mm to 1 mtr)	1 no.								
22.	Micrometer (Ball ended)	1 no.								
23.	Micrometer (Flat end)	1 no.								

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24.	Measuring tape (15m & 30m)	1 no.(each)								
25.	Magnifying glass	1 no.								
26.	Stop watch	1 no.								
27.	Facility for shear strength of sealant tape	1 no.								
28.	ESCR Jig	1 no.								
29.	Salt spray apparatus	1 no.								
30.	Volume resistively fixture	1 no.								
31.	Flash point apparatus	1 no.								
32.	Rub Test Jig	1 no.								

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33.	Rolling drum jig for peel strength (Adhesion to steel) of adhesive	1 no.								
34.	Chemicals for chemical resistance	As per requirement.								
35.	Copper Mirror	1 no.								
36.	PIJF, Quad , signaling cable, power cable of different sizes	As per requirement.								
37.	PE Insulated copper conductors of different gauges.	As per requirement.								
38.	Water Tank (2500mmx1000mmx700mm)	1 no.								
39.	Test set up for vibration test	1 no.								
40.	Test set up for Impact test	1 no.								

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41.	Test set up for Axial tension test	1 no.								
42.	Test set up for Torsion/Bending test	1 no.								
43.	Test set up for static load test	1 no.								
44.	Test set up for Thermal shock	1 no.								
45.	Test set up for corrosion test	1 no.								
46.	Temperature cycle test graph chart print machine	1 no.								
47.	OIT- test set up (Computerized)	1 no.								
48.	Cold chamber	1 no.								

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49.	Weight upto 105Kg	-								
50.	Density test fixture	1 no.								