Government of India

Ministry of Railways

Schedule of Technical Requirement (STR)

For

Primary Cell - SITEL

Signal Directorate

Research Designs & Standards Organisation

Manak Nagar, Lucknow - 226011

September 2004

Page 2 of 4 Effecti	tive from 29.09.2004	STR for Primary	y cell-SITEL No. SIQ 0111	Version 0
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Scope:

The Schedule of Technical Requirement No. SIQ 0111 covers the norms for machinery & plants required for production, testing equipment for quality assurance and infrastructure for manufacturing of Primary cell - SITEL for Railway Signaling applications. Vendor shall also comply other relevant laws of the country and quality norms issued by RDSO time to time.

Primary cell - SITEL

List of specifications for various types of Primary Cell - SITEL

S.No	Description	Specification No.
1	Primary Cell - SITEL	IRS:S 95/96

Primary cell - SITEL

S.No	Description	
I	Essential machinery and plants required for production	
1	Mixer	
2	Weighing Machine up to 100 Kg	
3	Shearing machine	
4	Sheet rolling machine	
5	Drill machine	
6	Arbor press	
7	Screw press pillar	
8	Pan balance	
9	Nylon fixtures	
10	Fabricated steel tank for sealing	
11	Ultrasonic welding machine	
II	Essential testing equipment required for quality assurance	
1	Test bench mounted with Ammeter and Voltmenter etc as per requirement	
2	Digital multimeter	
3	Variable resistance load	
4	Digital vernier calliper	
5	Digital micro meter	
6	Weights	
7	Dry and Wet bulb thermometer	
8	Digital contact thermometer	
9	Hour meter	

Ш	Minimum infrastructure required for manufacturing and testing	
1.	Air-conditioned laboratory area 300 Sq.ft	
2.	Godown area for keeping the finished products 1000 Sq.ft	
3.	Office area 400 Sq. ft	
4.	Manufacturing floor area 2000 Sq.ft	
5.	Stores for keeping raw material 400 Sq. ft	

Note: i) This STR shall be applicable to all new vendors applying for registration for Primary cell-SITEL ii) All existing approved manufacturers shall be advised for implementation of new STR. A reasonable period for compliance shall be given.

- IV. Typical Quality Assurance Flow Chart is at Page No. 4 of the document
- V. Copy Holders: ED/QA-III

JD/DSIG-I JD/DSIG-VII ADE/SIG-I

QAP Flow Chart for SITEL Primary Cell

