

1. Customer & Supply Details

- **Customer:** North Central Railway – Ministry of Railways, Government of India
- **Organisation Zone:** NCR, Allahabad Division
- **Product Model:** SCS 2500mAh Li-ion Spare Battery Pack (Model: SPH-2301L)
- **Quantity Supplied:** 4,302 Units
- **Supply Objective:** Provide high-capacity, long-life spare batteries for Kenwood VHF handheld transceivers (Model: TK-2317) to ensure uninterrupted railway communication across operational zones.

2. Product Overview & Key Features

The SCS 2500mAh Li-ion Spare Battery Pack is engineered for reliability, high performance, and long operational life, ensuring maximum uptime for professional-grade transceivers

Key Features:

- **Battery Chemistry:** Lithium-ion
- **Rated Capacity:** 2500mAh
- **Nominal Voltage:** 7.4V
- **OEM Part Number:** SPH-2301L
- **Compatibility:** Kenwood VHF Set, Model TK-2317, 5W output
- **BIS Certification:** IS 16046 (latest) under Compulsory Registration Scheme
- **Durability:** High cycle life and performance consistency under heavy-duty use
- **Warranty:** 12 months OEM warranty
- **Safety & Compliance:** NABL-approved lab test reports confirming conformity to OEM specifications

3. Technical Implementation & Deployment

Inspection & Quality Assurance:

- Pre-dispatch inspection conducted by RITES Northern Region Inspection Officer at Sanchar's manufacturing facility in New Delhi
- 100% units passed compliance, performance, and safety tests

Delivery: 4,302 units delivered to SSE/Tele/Wireless/ALD at Ghanshyam Nagar, Lukerganj, Allahabad within the contractual delivery period (26-May-2022 to 24-Aug-2022)

Integration: Seamlessly fitted into Kenwood TK-2317 VHF radios used in train control, yard coordination, and field security operations

4. Operational Impact

- **Enhanced Communication Reliability:** Provided consistent power for extended field use, reducing down-time in critical communication links
- **Operational Efficiency:** Dual battery availability ensured uninterrupted operations during long duty cycles
- **Cost-Effectiveness:** High cycle life reduced the frequency of replacements
- **Safety Compliance:** BIS-certified and lab-tested to minimize risks in high-demand environments

5. After-Sales Service & Performance Feedback

- **Warranty Support:** 12-month warranty with prompt rectification/replacement policy
- **Service Network:** Dedicated Sanchar support team for railway zones across NCR region

User Feedback:

- Positive remarks on backup duration and ruggedness
- Appreciated compatibility and flawless performance in field conditions

6. Advantages Delivered to the Customer

- **Operational Continuity:** Reliable spare batteries minimized risk of communication breakdowns
- **Quality Assurance:** Pre-dispatch RITES inspection guaranteed defect-free delivery
- **Value for Money:** Long service life reduced operational costs
- **Regulatory Compliance:** BIS and NABL-certified for safety and performance

Conclusion:

The supply of 4,302 BIS-certified SCS 2500mAh Li-ion Spare Battery Packs has strengthened North Central Railway's communication infrastructure, ensuring reliable, long-lasting, and safe power solutions for operational transceivers. Sanchar Communication Systems once again demonstrated its capability to deliver high-quality, compliant, and mission-critical equipment to India's railway network.