

REQUEST FOR PROPOSAL (RFP)

Supply, Testing & Delivery of Industrial Electrical Products

Organization	National Solar Power Corporation
RFP Reference No	NSPC/RFP/DC/2025/056
Issue Date	10 February 2025
Submission Deadline	10 April 2025

1. Project Overview

Supply, testing and delivery of DC solar cables for 250 MW utility-scale solar power park.

2. Scope of Supply

- DC Solar Cable 1.5kV (Single Core) – 26 Km
- MC4 Compatible Connectors – 416 Units (16 units/Km)
- Cable Clips & UV Resistant Ties – 520 Units (20 units/Km)
- Compliance with TÜV 2PfG 1169 / EN 50618

3. Technical Specifications

Rated Voltage: 1.5kV DC

Conductor: Tinned Copper

Insulation: XLPO

Sheath: UV & Ozone Resistant

Operating Temperature: -40°C to +90°C

Standard Compliance: TÜV 2PfG 1169 / EN 50618

4. Testing & Acceptance

- Routine Tests: Voltage Withstand Test
- Acceptance Tests: UV Aging Test, Ozone Resistance Test

5. Commercial Requirements

- Unit price per product
- Separate pricing for testing and services
- Prices to be all-inclusive

6. Evaluation Criteria

- Technical compliance
- Price competitiveness
- Delivery timeline

7. Submission Details

Technical and commercial bids must be submitted digitally on or before the deadline.
Late submissions will not be considered.

8. Contact Information

Procurement Officer: Tender Committee

Email: procurement@authority.gov.in

Phone: +91 90000 00000