	BHARAT HEAVY ELECTRICALS LIMITED SOLAR BUSINESS DIVISION	DOC No. ELEC-PT-CK-03	
	PURCHASE SPECIFICATION FOR CABLES	Rev. 00	APRIL.2024

SCOPE: Supply of Cables as per below mentioned specification.

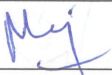




Complete transportation of materials is in scope of supplier.

Detailed technical specification enclosed.


Offer shall be for new cables and not for any refurbished or used cables

TECHNICAL SPECIFICATIONS:

SN	SPECIFICATION	VALUE AND REQUIREMENTS
A	3.5 CORE, 240 SQMM, 1.1kV Grade, ALUMINIUM CONDUCTOR, XLPE, ARMoured CABLE	
1	Scope	Scope of supply includes, inspection, packing and dispatch to BHEL-SBD
2	Description	Stranded, Aluminum conductor with extruded FRLS PVC inner sheathed with galvanized flat steel strip armoring and with extruded outer sheath made of PVC-ST2 compound.
3	Quantity in (Mtrs)	500 (Single Length)
4	Make	FINOLEX, ANCHOR, POLYCAB, V-GUARD, HAVELLS, KEI
5	Cores identification	Cores identification shall be done by Red, Yellow, Blue color for main core and Black color for half core.
6	IS Standards	1. Conductors for Insulated electric cables – IS 8130:2013 latest 2. Conformity of specification for XLPE cable – IS 7098 (Part I) :1988
7	Test Certificate	Suppliers to submit the sample test certificates of similar cable indicating the various test conducted on cables being offered while quoting.
8	Packing & Marking	The cable shall be wound on a wooden drum of suitable size. Cable drums shall be manufactured as per IS: 10418 and supplied in non - returnable wooden drums. Length of cable to be stenciled on drums. Cable size, Voltage grade, No of Cores and sequential incremental length should be printed by embossing on the cable
B	3.5 CORE, 70 SQMM, 1.1kV Grade, COPPER CONDUCTOR, XLPE, ARMoured CABLE	
1	Scope	Scope of supply includes, inspection, packing and dispatch to BHEL-SBD
2	Description	Stranded, Copper conductor with extruded FRLS PVC inner sheathed with galvanized flat steel strip armoring and with extruded outer sheath made of PVC-ST2 compound.
3	Quantity in (Mtrs)	200 (Single Length)
4	Make	FINOLEX, ANCHOR, POLYCAB, V-GUARD, HAVELLS, KEI
5	IS Standards	1. Conductors for Insulated electric cables – IS 8130:2013 latest 2. Conformity of specification for XLPE cable – IS 7098 (Part I) :1988
6	Test Certificate	Suppliers to submit the sample test certificates of similar cable indicating the various test conducted on cables being offered while quoting.
C	4 CORE, 25 SQMM, 1.1kV Grade, COPPER CONDUCTOR, XLPE, FRLS, ARMoured CABLE	
1	Scope	Scope of supply includes , inspection, packing and dispatch to BHEL-SBD

				
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
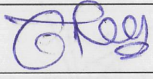
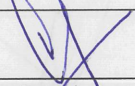
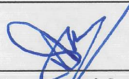
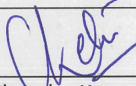
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2	Description	Stranded, Copper conductor with extruded FRLS PVC inner sheathed with galvanized flat steel strip armouring and with extruded outer sheath made of PVC-ST2 compound.
3	Quantity in (Mtrs)	100 (Single Length)
4	Make	FINOLEX, ANCHOR, POLYCAB, V-GUARD, HAVELLS, KEI
D	4 CORE, 16 SQMM, 1.1kV Grade, COPPER CONDUCTOR, XLPE, FRLS, ARMoured CABLE	
1	Scope	Scope of supply includes, inspection, packing and dispatch to BHEL-SBD
2	Quantity in (Mtrs)	250 (Single Length)
3	Make	FINOLEX, ANCHOR, POLYCAB, V-GUARD, HAVELLS, KEI
E	4 CORE, 6 SQMM, 1.1kV Grade, COPPER CONDUCTOR, XLPE, FRLS ARMoured CABLE	
1	Scope	Scope of supply includes, inspection, packing and dispatch to BHEL-SBD
2	Quantity in (Mtrs)	150 (Single Length)
3	Make	FINOLEX, ANCHOR, POLYCAB, V-GUARD, HAVELLS, KEI
F	4 CORE, 4 SQMM, 1.1kV Grade, COPPER CONDUCTOR, XLPE, FRLS ARMoured CABLE	
1	Scope	Scope of supply includes, inspection, packing and dispatch to BHEL-SBD
2	Quantity in (Mtrs)	200 (Single Length)
3	Make	FINOLEX, ANCHOR, POLYCAB, V-GUARD, HAVELLS, KEI
G	4 CORE, 2.5 SQMM, 1.1kV Grade, COPPER CONDUCTOR, FRLS, PVC	
1	Scope	Scope of supply includes, inspection, packing and dispatch to BHEL-SBD
2	Quantity in (Mtrs)	700 (Single Length or Standard Roll)
3	Make	FINOLEX, ANCHOR, POLYCAB, V-GUARD, HAVELLS, KEI
H	3 CORE, 1 SQMM, 1.1kV Grade, COPPER CONDUCTOR, FRLS, PVC	
1	Scope	Scope of supply includes, inspection, packing and dispatch to BHEL-SBD
2	Quantity in (Mtrs)	500 (Single Length or Standard Roll)
3	Make	FINOLEX, ANCHOR, POLYCAB, V-GUARD, HAVELLS, KEI

TESTING AND ACCEPTANCE

SN	DESCRIPTION
1	TECHNICAL EVALUATION: <ol style="list-style-type: none"> Vendor has to submit their acceptance for supplying cables as per Technical Specifications and Instructions mentioned in the tender document. Vendor has to submit documentary proof of satisfying the Pre-Qualification Criteria mentioned in the tender document.
2	Pre-Dispatch Inspection <ol style="list-style-type: none"> Cables will be inspected as per above mentioned specifications and PO terms and conditions through online mode after submission of required Test Certificates for SI.No A&B only. Cables will be inspected as per above mentioned specifications for SI No C to H through online mode. Cables to be dispatched only after getting dispatch clearance from BHEL.

 Manoj Kumar DGM-IP	 Thirupathi G DGM-CTI	 Navit Mahajan Manager -IP&NP	 Amarjyoti Saikia Dy. Manager -M&S	 Chandra Ketu Sr. Engineer- M&S
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	BHARAT HEAVY ELECTRICALS LIMITED SOLAR BUSINESS DIVISION	DOC No. ELEC-PT-PQR-CK-03	
	TECHNICAL PRE-QUALIFICATION CRITERIA FOR CABLES	Rev. 00	APRIL.2024

TECHNICAL PRE-QUALIFYING CRITERIA	
1	<p>The bidder should be an OEM or an authorized dealer of the OEM. Bidder should be able to provide documents to prove that the bidder is an OEM or a dealer authorization certificate from OEM.</p>
2	<p>Vendor should have experience in supply of Cables.</p> <p>As a proof of supply and its competency, vendor shall submit proof of supply of Cables Minimum following quantity or above supplies in last 7 years (from the date of Technical Bid tender opening date publishing this tender).</p> <p>1) For SI No A (Doc No :ELEC-PT-CK-03) 240 Sqmm / Higher Sqmm Al Cable – 2000 Mtrs</p> <p>2) For SI No B (Doc No :ELEC-PT-CK-03) 70 Sqmm /Higher Sqmm Cu Cable – 500 Mtrs</p> <p>3) For SI No C (Doc No :ELEC-PT-CK-03) 25 Sqmm / Higher Sqmm Cu Cable – 500 Mtrs</p> <p>4) For SI No D to H (Doc No :ELEC-PT-CK-03) 1- 16 Sqmm / Higher Sqmm Cu Cable – 3000 Mtrs</p> <p>Following documents will be considered by BHEL as proof: a. Purchase Order/ Work order copy</p>
3	The bidder should be ISO:9001 certified. Certificate to be provided as a proof.
4	<p>Compliance with Technical Specifications: Vendor must necessarily submit acceptance of supply of the cables as per the details mentioned in the Purchase specification (ELEC-PT-CK-03). Non-compliance with the purchase specifications will lead to disqualification.</p>

Note:

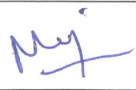




BHEL reserves the right for independent verification of the credentials submitted by the bidder and in case of any discrepancy, BHEL reserves the right to accept/ reject Bidder's offer.

				
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	BHARAT HEAVY ELECTRICALS LIMITED SOLAR BUSINESS DIVISION	DOC No. ELEC-PT-OITC-CK-02	
	OTHER IMPORTANT TERMS & CONDITIONS FOR CABLES	Rev. 00	APRIL.2024

QUANTITY: As per Technical Spec Doc No- ELEC-PT-CK-03	
DELIVERY PERIOD: 4 weeks from the date of Purchase Order.	
WARRANTY	
SN	DESCRIPTION
1	12 months from the date of commissioning or 18 months from the date of supply whichever is earlier. During warranty period, cables must work smoothly. In case of any issues, supplier must provide replacement of faulty cables free of cost.

				
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