

BHEL Jhansi wishes to enter into TC MoU contract with eligible bidders in line with Tender document for the enquiry no. E09250016 (2026_BHEL_57428_1)
– For supply of various sizes **PVC Control cables**

Duration of TC MoU – 23.03.2026 to 22.03.2028

Any vendor who wishes to participate in TC MoU can submit their techno commercial bid on email id tenderbox.jhs@bhel.in

Note:

- 1) Mail should contain heading “TCMOU E09250016 (2026_BHEL_57428_1)
– For supply of various sizes PVC Control cables”
- 2) Mail size should not exceed 15MB
- 3) For any clarification, please contact through mail on following id(s):

rrajeev.s@bhel.in

komalk@bhel.in

Interested suppliers can participate at any time and if their bid is found to be techno commercially qualified, then price (bid) will be sought from the supplier for participation in the forthcoming 6 months rate contract.



BHARAT HEAVY ELECTRICALS LTD.
 (A GOVT. OF INDIA UNDERTAKING)
 P.O BHEL Jhansi - 284120, INDIA
 Tel.:0510-277001/2412260
 Website : jhs.bhel.com

PURCHASE ENQUIRY

ENQ NO/DT: E09250016 27/12/25
 REV NO/DT: 0 27/12/25

PAGE 1
 8

PLEASE SEND YOUR BEST QUOTATION AS PER TERMS & CONDITIONS AND REMARK MENTIONED UNDERNEATH.

Enq Due on: 06-01-26 TUESDAY
 Close at: 13:15 Open at: 14:00
 Matcat: 091001 CONTROL CABLES PVC (
 Validity: 120 days from Technical bid opening date
 IEM:
 TOP: See Special Remarks
 RA: BHEL reserves the right to conduct RA
 Est. Value: Item wise
 Bid Type: TWO BID
 Tot Item: 6
 Delivery: FOR Jhansi
 E-Proc: Yes

REQUIRED:

ITEM NO : 1
 MATL CODE : BP2855275016
 DESTINATION: JS

PSL QTY/UM: 100000.00 MR
 PO QTY /UM: 100000.00 MR

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
ARMoured CABLE PVC 2.5SQ*2CORE AS PER SPECIFICATION JS28599 REV-02 CABLE SHOULD BE SUPPLIED IN 1000/500 MR DRUMS	DEC-25	25000.00
	JUN-26	25000.00
	DEC-26	25000.00
	JUN-27	25000.00

ITEM NO : 2
 MATL CODE : BP2855275024
 DESTINATION: JS

PSL QTY/UM: 100000.00 MR
 PO QTY /UM: 100000.00 MR

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
ARMoured CABLE PVC 2.5SQ*3CORE AS PER SPECIFICATION JS28599 REV-02	DEC-25	25000.00
	JUN-26	25000.00
	DEC-26	25000.00
	JUN-27	25000.00

ITEM NO : 3
 MATL CODE : BP2855275032
 DESTINATION: JS

PSL QTY/UM: 40000.00 MR
 PO QTY /UM: 40000.00 MR

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
ARMoured CABLE PVC 2.5SQ*4CORE AS PER SPECIFICATION JS28599 REV-02 CABLE SHOULD BE SUPPLIED IN 1000 MR DRUMS	DEC-25	10000.00
	JUN-26	10000.00
	DEC-26	10000.00
	JUN-27	10000.00

ITEM NO : 4
 MATL CODE : JS9006272660
 DESTINATION: JS

PSL QTY/UM: 30000.00 MR
 PO QTY /UM: 30000.00 MR

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
1100 / 660 VOLTS GRADE PVC OR POLYTHENE INSULATED 4.0 SQ. MM X 2 CORE HAVING OVERALL DIA OF 16.5 MM ARMoured COPPER CABLE SUITABLE FOR TROPICAL CLIMATE, VERMIN PROOF WITH FLAME RETARDENT LOW SMOKE (FRLS) PROPERTIES AS PER TR24157C REV 02 CABLE SHOULD BE SUPPLIED IN 500/1000 MR DRUMS.	DEC-25	8000.00
	JUN-26	8000.00
	DEC-26	8000.00
	JUN-27	6000.00

ITEM NO : 5

PSL QTY/UM: 20000.00 MR



BHARAT HEAVY ELECTRICALS LTD.
(A GOVT. OF INDIA UNDERTAKING)
P.O BHEL Jhansi - 284120, INDIA
Tel.:0510-277001/2412260
Website : jhs.bhel.com

PURCHASE ENQUIRY

ENQ NO/DT: **E09250016 27/12/25**
REV NO/DT: **0 27/12/25**

PAGE 2
8

MATL CODE : **JS9006272670** PO QTY /UM: **20000.00 MR**
DESTINATION: **JS**

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
1100 VOLTS GRADE PVC	DEC-25	5000.00
INSULATED 4.0 SQ. MM X 3 CORE	JUN-26	5000.00
AS PER JS28599 REV-02	DEC-26	5000.00
ARMOURED CABLE SHOULD BE SUPPLIED IN 500/1000 MR DRUMS.	JUN-27	5000.00

ITEM NO : **6** PSL QTY/UM: **50000.00 MR**
MATL CODE : **JS9006272680** PO QTY /UM: **50000.00 MR**
DESTINATION: **JS**

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
1100 / 660 VOLTS GRADE PVC OR	DEC-25	13000.00
POLYTHENE INSULATED 4.0 SQ. MM X 4	JUN-26	13000.00
CORE HAVING OVERALL DIA OF 18.5 MM	DEC-26	13000.00
ARMOURED COPPER CABLE SUITABLE FOR TROPICAL CLIMATE, VERMIN PROOF WITH FLAME RETARDENT LOW SMOKE (FRLS) PROPERTIES AS PER TR24157C REV-02 CABLE SHOULD BE SULLIED IN 500/1000 MR DRUMS.	JUN-27	11000.00

SPECIAL REMARKS:

- ENQUIRY IS FLOATED IN "TWO BID" SYSTEMS THROUGH E-PROCUREMENT (<https://eprocurebhel.co.in>) FOR PROCUREMENT OF PVC CONTROL CABLE AS PER TENDER DOCUMENT ANNEXURE-I TO ANNEXURE-V.
- ALL THE TENDER DOCUMENTS SPECIFICATIONS AND GENERAL TERMS AND CONDITIONS OF ENQUIRY IS UPLOADED AT OUR E-PROCUREMENT PORTAL. <https://eprocurebhel.co.in>.
- PLEASE READ ALL THE DOCUMENT CAREFULLY BEFORE SUBMITTING THE OFFER.
- DULY FILLED, SIGNED AND STAMPED COPY OF ALL THE TENDER DOCUMENTS, SPECIFICATIONS, GTC OF ENQUIRY AND FOR RELATED SUPPORTING DOCUMENTS SHALL BE UPLOADED AT E-PROCUREMENT PORTAL <https://eprocurebhel.co.in> FAILING WHICH OFFER SHALL BE LIABLE FOR REJECTION.
- SUBMISSION OF TENDER DOCUMENT THROUGH OTHER MODE SHALL NOT BE ACCEPTED.
- BIDDERS SHALL QUOTE THEIR RATES AS PER PRICE BOQ FORMAT UPLOADED ON E-PROCUREMENT PORTAL ELSE OFFER SHALL BE REJECTED.
- INSPECTION SHALL BE DONE BY BHEL/ BHEL NOMINATED AGENCY AT SUPPLIER WORKS.
- DELIVERY MENTIONED ABOVE IS TENTATIVE AND ACTUAL DELIVERY WILL BE GIVEN IN PURCHASE ORDER AFTER ESTABLISHMENT OF TCMOU CONTRACT.
- THE BIDDER DECLARES THAT THEY WILL NOT ENTER INTO ANY ILLEGAL OR UNDISCLOSED AGREEMENT OR UNDERSTANDING, WHETHER FORMAL OR INFORMAL WITH OTHER BIDDER(S). THIS APPLIES IN PARTICULAR TO PRICES, SPECIFICATIONS, CERTIFICATIONS, SUBSIDIARY CONTRACTS, SUBMISSION OR NON-SUBMISSION OF BIDS OR ANY OTHER ACTIONS TO RESTRICT COMPETITIVENESS OR TO INTRODUCE CARTELIZATION IN THE BIDDING PROCESS. IN CASE, THE BIDDER IS FOUND HAVING INDULGED IN ABOVE ACTIVITIES, SUITABLE ACTION SHALL BE TAKEN BY BHEL AS PER EXTANT POLICIES/ GUIDELINES.
- AFTER FINALISATION OF TCMOU CONTRACT DURING EACH HALF YEARLY PERIOD, LETTER OF INTENT (LOI)/ ORDERING WILL BE ISSUED BASED ON ACTUAL REQUIREMENT WISE.



BHARAT HEAVY ELECTRICALS LTD.
 (A GOVT. OF INDIA UNDERTAKING)
 P.O BHEL Jhansi - 284120, INDIA
 Tel.:0510-277001/2412260
 Website : jhs.bhel.com

PURCHASE ENQUIRY

ENQ NO/DT: E09250016 27/12/25
 REV NO/DT: 0 27/12/25

PAGE 3
8

11. SPECIAL INSTRUCTIONS TO SUPPLIER:-

- A- OVER ALL DIAMETER OF CABLE IN MM MUST BE MENTIONED IN QUOTATION SUBMITTED BY SUPPLIER FOR WHICH SUPPLY HAS TO BE MADE.
- B- COLOUR CODIFICATION MUST BE PROVIDED FOR IDENTIFICATION OF DIFFERENT CORES AS SPECIFIED IN IS- 1554.
- C- IDENTIFICATION IS TO BE PROVIDED ON EVERY 10 METER OF CABLE.

In case the bidder has not submitted PAN No, TIN No. and E-mail ID, the bidder has to submit the same along with the copy of PAN No and TIN No. Else his offer will be liable to be rejected.

If you are not in a position to quote due to any reason, you must send regret letter titled enquiry no. etc, failing which you may not be considered for sending future enquiries.

ENCLOSERS:



JSC140/M2053

BHARAT HEAVY ELECTRICALS LTD.
(A GOVT. OF INDIA UNDERTAKING)
P.O BHEL Jhansi - 284120, INDIA
Tel.:0510-277001/2412260
Website : jhs.bhel.com

PURCHASE ENQUIRY

ENQ NO/DT: E09250016 27/12/25
REV NO/DT: 0 27/12/25

PAGE 4
8

FOR AND ON BEHALF OF
BHARAT HEAVY ELECTRICALS LTD

RAJEEV KANJAN
MANAGER (MM-1)
Email:-RRAJEEV.S@BHEL.IN

***** END OF PURCHASE ENQUIRY *****

NOTE :

- * THE BIDDER IS INFORMED THAT THE GENERAL TERMS & CONDITIONS OF ENQUIRY (JHS 2055A Rev 03) WHICH ARE UPLOADED AT <https://jhs.bhel.com/apps/sip/index.php> AT (TERMS & CONDITION -> FOR ENQUIRY) LINK, ARE TO BE READ BY THE BIDDER BEFORE SUBMITTING QUOTE IN THE ENQUIRY. BHEL SHALL CONSTRUCT THE PARTICIPATION BY THE BIDDER IN ENQUIRY AS ACCEPTANCE TO THE GENERAL TERMS AND CONDITIONS OF ENQUIRY.
- * SUPPLIERS ARE REQUESTED TO INFORM US WITH VALID CERTIFICATE, IF THEY ARE REGISTERED UNDER MSMED ACT'2006. (APPLICABLE FOR INDIAN SUPPLIERS ONLY).
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE THE LOCAL AREA OF BHEL JHANSI, ENTRY TAX WILL BE APPLICABLE. SUPPLIERS SHOULD NECESSARILY INDICATE RATE OF ENTRY TAX SEPARATELY WHEREVER APPLICABLE. THEY SHOULD ALSO MENTION THE ENTRY TAX CHARGED SEPARATELY IN THE INVOICE.
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE UP, IN CASE THE OFFER IS SILENT ON ENTRY TAX, IT SHALL BE LOADED SUITABLY WITH THE APPLICABLE RATES
- * IN CASE IF THERE IS ANY DIFFERENCE BETWEEN THE 'SPECIAL REMARKS/ANNEXURES' OF THE ENQUIRY AND THE PREPRINTED TERMS & CONDITIONS (REF JSC140/M2053), THE REQUIREMENT GIVEN IN REMARKS WILL PREVAIL.
- * Reference Sl. No. 2(B) of General Terms and Conditions regarding option for offer submission through Email addressed to tenderbox.jhs@bhel.in, please note that the maximum mail size including attachments should not exceed 15 MB, otherwise the offer shall not be delivered due to size limitation and bidder sending mail attachments more than 15 MB will have no claim whatsoever on the subject tender. Also due to any technical snag, if offer has not reached tenderbox.jhs@bhel.in, it will be bidder's sole responsibility to ensure offer submission through alternate routes before the due date and time. BHEL will not entertain any such claim for non-receipt of offer on time.

Terms & Conditions for supply of Multicore PVC Cable on finished basis under TCMOU for 02 years against Enquiry No. E09250016 through E-procurement.

1. **General:-** E-tenders are invited in Two-Part Bid system for purchase of Multicore PVC Cable as per various drawings/ Specifications and terms & conditions mentioned in the Annexures -“I to V” on finished basis. The supplies against this TCMOU enquiry shall be subject to our General Terms and conditions of enquiry and PO. In addition, the terms and conditions given under this annexure shall specifically apply to this enquiry. If any difference between the General Terms and conditions of enquiry, purchase order, the conditions included in this annexure shall prevail. The offer of the bidders who are in the banned list and also the offer of the bidders who engage the services of the banned firms shall be rejected. List of banned firms is available on BHEL website: www.bhel.com. Likewise, offers of those bidder(s) will not be considered who have been suspended (under hold / delisting) by BHEL, Jhansi during the given period.

Please upload your best quotation/ offer on <https://eprocurebhel.co.in> for the requirement strictly as per schedule of price format before due date & time as mentioned in “PURCHASE ENQUIRY”.

Your best quotation/offer for the requirement mentioned in “PURCHASE ENQUIRY”, in line with our terms and conditions, should be submitted online via e-procurement system only. It shall be the responsibility of the bidder to ensure that the Tender is submitted on or before the due date. Part-I bids shall be opened through e-procurement Portal. Detailed Tender documents can be downloaded from the following websites: - a) <https://eprocurebhel.co.in/> b) www.bhel.com

2. **Procedure for Bid submission :-** Offer shall be submitted by the bidders in two parts:-

Part – I Technical cum Commercial bid

A- Part-I of the bid shall contain complete detail of the product offered, all techno-commercial terms & conditions and acceptance to the following: -

- (i) Duly signed & sealed copy of **Annexure-I**.
- (ii) Duly filled, signed & sealed copy of **Annexure-II**.
- (iii) Duly filled, signed & sealed copy of Qualifying Requirement (PQR) **Annexure- III** with authenticated copy of all supporting documents.
- (iv) Un-price format- **Annexure-IV**.
- (v) Duly filled, signed & sealed copy of Integrity pact, **Annexure-V**
- (vi) Duly sealed and signed copy General Terms and Conditions (GTC) Rev-3 of Enquiry, Spec JS 28599 rev.02, & TR24157C rev.02.

B- In case it becomes necessary to deviate in any of the above, the deviations must be clearly brought out in bid Part-I of the offer. Any deviation to INTEGRITY PACT' is not acceptable Copy of un-priced bid with status “**quoted (Q) & un - quoted (NQ)**” must accompany bid part-I.

Bidders to mandatorily put sign and seal on all documents before uploading at e-procurement site <https://eprocurebhel.co.in>

Part - II Price bid

Bidders have to quote their rate in as per attached Price BOQ formats only. Price bid form are to be filled in e-procurement module using Class-III digital signature.

Both Part –I (**Technical cum Commercial bid**) & Part –II (**Price bid as per uploaded Price BOQ formats**) of the offer shall be duly filled, sealed and signed copy to be uploaded by bidders at e-procurement site only.

Note: -

- . Please note that Part Supplies offered for tender BOQ shall disqualify the bidder's offer.

Laonw

[Signature]

Terms & Conditions for supply of Multicore PVC Cable on finished basis under TCMOU for 02 years against Enquiry No. E09250016 through E-procurement.

- . Documents and Credential as per Technical & Financial PQR, Techno Commercial Bids and Price Bids should be uploaded on the e-procurement portal.
- . Bidders to ensure that Third party/customer issued certificates wherever applicable being submitted as proof of PQR qualification should have verifiable details of document/certificate issuing authority such as name & designation of Issuing Authority and its organisation contact number and email Id etc. In case the same found not available, Purchaser has right to reject such document from evaluation.

3. **Bid Opening**:- The 'Techno-commercial' part of the bid i.e. Bid Part –I of the offers shall be opened. Clarifications, wherever required on this part, shall be obtained from the bidders for their evaluation. The Price bid Part-II of such vendors alone shall be opened whose techno-commercial bids are found acceptable. The date of 'Price bid -Part II' opening shall be intimated later on. Before price bid opening / RA (reverse auction) all formalities for registration has to be completed by the bidders as per new supplier link at www.bhel.com.

Note for Bidders:

- Initially rates to be called for 1st lot of quantity mentioned against each enquiry item with +30% quantity variation having ordering validity of 6 months from the date of TCMOU.
- Separate price bids shall be invited from all techno commercially qualified bidders on half yearly basis for each lot of enquiry however price bid of bidders failing to execute the contractual quantity of previous half yearly period shall not be considered for upcoming biannual period till the completion of contractual quantity.
- Initially, rates to be called for first lot of enquiry items with +30% quantity tolerance for ordering and same shall be valid for the period of six months from the date of TCMOU contract. Subsequently, only separate prices will be received through email id- tenderbox.jhs@bhel.in to conduct RA and invite for ordering. From 2nd half yearly period onwards qty may change as per BHEL's requirement and same will be communicated to all techno commercially qualified bidders before price bid opening of 2nd, 3rd and 4th half yearly period.

4. **Pre Qualification Criteria**: For Pre-qualification criteria, refer Annexure-III.

Offers of those bidders who meet the Pre-qualification criteria mentioned in Annexure-III will be accepted. Any deviation from these shall render offer submitted by bidder as rejected.

* Bidders have to submit duly filled, signed & sealed copy of Annexure-III with all relevant documents as required.

5. **Bid evaluation**: The bid shall be evaluated on total delivered cost to BHEL (landed cost net of input tax credit) taking into account all duties / taxes / Cess as per prevailing structure on date of bid opening date (bid part-I). Bidders may note that quoted rates shall be loaded for any deviation from the terms & conditions given in this enquiry, to arrive at landed cost and same shall be communicated to techno-commercially suitable bidders before price bid opening.

Evaluation of tender shall be done on item wise L1 basis for ever half-yearly period.

6. **Technical Parameters and Tendered Quantity**:- As per below table:

SI no	Matcode	Material Description	Qty (In Meter)
1	BP2855275016	CABLE PVC 2.5SQ*2CORE AS PER SPECIFICATION	100000

Terms & Conditions for supply of Multicore PVC Cable on finished basis under TCMOU for 02 years against Enquiry No. E09250016 through E-procurement.

		JS28599 REV-02 CABLE SHOULD BE SUPPLIED IN 1000/500 MR DRUMS	
2	BP2855275024	ARMOURED CABLE PVC 2.5SQ*3CORE AS PER SPECIFICATION JS28599 REV-02	100000
3	BP2855275032	ARMOURED CABLE PVC 2.5SQ*4CORE AS PER SPECIFICATION JS28599 REV-02 CABLE SHOULD BE SUPPLIED IN 1000 MR DRUMS	40000
4	JS9006272660	1100 / 660 VOLTS GRADE PVC OR POLYTHENE INSULATED 4.0 SQ. MM X 2 CORE HAVING OVERALL DIA OF 16.5 MM ARMOURED COPPER CABLE SUITABLE FOR TROPICAL CLIMATE, VERMIN PROOF WITH FLAME RETARDENT LOW SMOKE (FRLS) PROPERTIES AS PER TR24157C REV 02 CABLE SHOULD BE SUPPLIED IN 500/1000 MR DRUMS.	30000
5	JS9006272670	1100 VOLTS GRADE PVC INSULATED 4.0 SQ. MM X 3 CORE AS PER JS28599 REV-02 CABLE SHOULD BE SUPPLIED IN 500/1000 MR DRUMS	20000
6	JS9006272680	1100 / 660 VOLTS GRADE PVC OR POLYTHENE INSULATED 4.0 SQ. MM X 4 CORE HAVING OVERALL DIA OF 18.5 MM ARMOURED COPPER CABLE SUITABLE FOR TROPICAL CLIMATE, VERMIN PROOF WITH FLAME RETARDENT LOW SMOKE (FRLS) PROPERTIES AS PER TR24157C REV-02 CABLE SHOULD BE SULLIED IN 500/1000 MR DRUMS	50000

Important note:

- Over all diameter of cable in mm must be mentioned in quotation submitted by supplier for which supply has to be made.
 - Colour codification must be provided for identification of different cores as specified in IS-1554.
 - Identification is to be provided on every 10 meter of cable.
 - TCMOU quantity variation \pm 30% of indent quantity. TCMOU shall be controlled by total quantity of all items of TCMOU entered into with a vendor for a particular half yearly period. Item wise quantity requirement is tentative and ordering of items can vary to any extent within the total quantity of TCMOU entered into with a vendor limited to \pm 30%.
 - Desired monthly capacity of supplier is 15000 meter and is cumulative for all types of cable combined.
 - Desired delivery period is within 60 days from the PO date.
7. **Pricing Terms** :- Material will be supplied on firm price basis for half yearly period of TCMOU period. Bidders shall quote rates on Rs/ Meter basis taking into consideration all cost components.
- The quoted rate shall remain firm for half yearly period of TCMOU and shall be inclusive of all tooling cost, packing, freight, insurance and forwarding charges etc. and no extra charges shall be payable on whatsoever account.
 - Bidders shall quote their most competitive rates, which shall be valid regardless of the quantity that may be awarded to them.
 - Rate quoted on other base prices shall be rejected.
8. **PVC (Price variation Clause) Applicable:** Not applicable.
9. **Transit Insurance:** - By the bidder.

Jaome

[Signature]

Terms & Conditions for supply of Multicore PVC Cable on finished basis under TCMOU for 02 years against Enquiry No. E09250016 through E-procurement.

10. **Number of Suppliers:** - We need 03 suppliers for all items for execution of this contract and the tentative distribution of quantities among L1, L2 & L3 would be in the ratio of 60:25:15. Number of minimum suppliers required to execute this contract may change depending upon committed capacity and also acceptance to counter offer, if any made by BHEL. Quantity distribution to bidders shall be limited to (n-1) limited to 03 bidders where n is number of techno-commercially qualified bidders and shall be as shown below:

n	L1	L2	Total
1	100	-	100
2	70	30	100
3	60	25	15

- While the above patters shall also be followed in TCMOU, performance of suppliers shall be monitored periodically, and loading in agreement will also be subject to factors like
- Customer approval of suppliers in specific projects
 - Suppliers delivery and quality performance during execution of TCMOU
 - pendency of orders on the supplier
 - Responsiveness in addressing post order completion issues at BHEL.

In view of above factors, the loading during execution of above TCMOU may vary with respect to allocated quantity. During execution of agreement, if the performance of supplier is not upto the mark in respect of delivery/quality performance/ quoted capacity of the bidder for half yearly period, BHEL reserves the right to either reduce further loading or stop loading till the execution of overdue orders. In such cases, action will be taken against defaulting supplier(s) as per guidelines of the company, and the balance allocated full or part quantity of defaulting supplier(s) may be redistributed amongst other performing and willing vendors of TCMOU.

11. **Quantity Tolerance:** - Against individual P.O. items quantity tolerance shall be as under:
 Above 1000 m:- $\pm 1\%$
 Above 100 m & up to 1000m:- $\pm 2\%$
 100 m and below:- $\pm 5\%$.
 However, requirements such as the specified length and other dimensions shall be strictly adhered to.
12. **Inspection of material:** -
 Test Certificates shall be as per annexures provided at the time of issuing of purchase order, purchase specifications, QA plan etc. and must accompany with each lot against supply. Final inspection shall be done by BHEL or BHEL nominated agency at Suppliers works for acceptance of quality and quantity shall be done at BHEL's works after receipt of material and results shall be binding on the suppliers.
13. **Replacement of rejected Goods:** - Final inspection for acceptance of quality shall be at BHEL's works after receipt of material and results shall be binding on the suppliers. In case of rejection due to non-compliance to agreed specification and for the reasons attributable to the vendor, the materials shall be replaced by vendor free of charge on "FOR BHEL works basis" including interlay cost elements such as total transportation, insurance and other taxes / levies etc as applicable. The rejected goods shall be subsequently returned to the vendor at his cost.
14. **Taxes & Duties:** - All taxes & duties shall be paid extra and as applicable at the time of dispatch within India only will be paid / reimbursed by BHEL and same will be loaded for price comparison on delivered cost to BHEL (i.e. landed cost net of input tax credit).
15. **Payments Terms:** - 100% payment within 90 days of receipt of material (45 days for MSE suppliers as per relevant act in force), subject to acceptance of material at BHEL, on direct presentation of the documents.
 Any deviation from the above payment terms, if accepted (by BHEL), shall be loaded @ repo rate (as on date of Part I bid opening) + 4%, for the purpose of bid evaluation.

Terms & Conditions for supply of Multicore PVC Cable on finished basis under TCMOU for 02 years against Enquiry No. E09250016 through E-procurement.

For more details refer clause 15 of General terms and conditions of enquiry rev03.

16. **Terms of delivery:** - On FOR BHEL Jhansi basis.
17. **Validity of Rate Contract:** - The TCMOU contract shall be valid for two year for ordering (i.e. for issue of purchase order/ issue of letter of intent (LOI)) and supply upto 3 months thereafter. The contract may be extended for further 3 months (or part thereof) on mutual consent for ordering & further 3 months for supply. Quoted rate during a particular half yearly period shall be valid for that particular half yearly period only.
18. **Short Closure:** - BHEL reserves the right to short close tender at any point of time during validity of the tender.
19. **Validity of Offer:** - Offer should be valid for a period of 120 days from the date of techno-commercial bid opening date (part-1) for finalization of the contract.
20. **Levy of Penalty for delayed performance:** - As per Clause no: 8 of GTC of enquiry rev 03.
21. Compliance to **Make in India** circular issued by Gov.

“For this procurement the local content to categorize a supplier as a class-I local supplier/ Class-II local supplier / Non-local supplier and purchase preference to Class-I local supplier is, as defined in Public Procurement (Preference to Make in India) order 2017 dated 16.09.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.”

22. Tenders shall be submitted strictly in accordance with the requirements of the above tender documents

23. BREACH OF CONTRACT, REMEDIES AND TERMINATION

In case of breach of contract, BHEL shall have the right to terminate the Purchase Order either in whole or in part thereof without any compensation to the Supplier.

The following shall amount to breach of contract:

- (i) Non-supply of material by the Supplier within scheduled delivery as per contract or as extended from time to time.
- (ii) The Supplier delivers material not of the contracted quality.
- (iii) The Supplier fails to replace the defective material as per guarantee clause.
- (iv) Assignment, transfer, subletting of Contract by the Supplier without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- (v) Non-compliance to any contractual condition or any other default attributable to Supplier.
- (vi) Any other reason(s) attributable to supplier towards failure of performance of contract.
- (vii) Any of the declarations furnished by the supplier at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were of a nature that could have resulted in non-award of contract to the contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise.
- (viii) Supplier/Vendor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner.
- (ix) **Note-**Once BHEL considers that a breach of contract has occurred on the part of Supplier, BHEL shall notify the Supplier by way of notice in this regard. Supplier shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

Terms & Conditions for supply of Multicore PVC Cable on finished basis under TCMOU for 02 years against Enquiry No. E09250016 through E-procurement.

In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of contract.

REMEDIES IN CASE OF BREACH OF CONTRACT

- (i) Wherein the period as stipulated in the notice issued under clause 20.ix has expired and Supplier/Vendor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor.
- (ii) Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Supplier. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc. available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the Supplier, retention amount, from the money due to the Supplier etc. with BHEL) or the other legal remedies shall be pursued.
- (iii) wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners:
 - (iv) In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then; a demand notice to deposit the balance amount within 30 days shall be issued to Supplier.
 - (v) If Supplier fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount:
 - a) From dues available in the form of Bills payable to defaulted Supplier against the same contract.
 - b) If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Supplier under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD.
 - (vi) In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier/Vendor.
 - (vii) It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Supplier/Vendor for the purpose of estimation of damages.
 - (viii) In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract

Note: The defaulting Supplier shall not be eligible for participation in any of the future enquiries floated by BHEL to supply the balance or whole material. The defaulting supplier shall mean and include:

- (a) In case defaulted Supplier is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.
- (b) In case defaulted Supplier is The Partnership Firm, any firm comprising of same partners/ some of the same partners; or sole proprietorship firm owned by any partner(s) as a sole proprietor

Terms & Conditions for supply of Multicore PVC Cable on finished basis under TCMOU for 02 years against Enquiry No. E09250016 through E-procurement.

24. Standard pre-printed terms & conditions of the tenders may not be considered valid and offer may liable for rejection.
25. All the above tender documents shall automatically become a part of the Order/Contract after its finalization.
26. All corrigenda addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (www.bhel.com & <https://eprocurebhel.co.in> under subject tender reference. Bidders are requested to visit our websites from time to time to keep themselves updated. Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender.
27. Bidders to submit their offers strictly in line with the form available at e-procurement portal.
28. **Integrity Pact (IP) – Independent external monitor (IEM) :-** As per Annexure-V
29. Commercial Conditions quoted by the vendor in any place including as stated in bidder's 'General Terms and Conditions' if any, shall not be binding on the Purchaser and the conditions contained in this annexure, including General terms & Conditions rev 03 of enquiry shall only prevail.



**Raanu Verma
DGM (MM-1)**



**Rajeey Ranjan
Manager (MM-1)**

Annexure – II

Techno – commercial format for supply of Multicore PVC Cable on finished basis under TCMOU
Enquiry No. E09250016 through E-procurement.

SL. NO.	DESCRIPTION	BIDDERS RESPONSE												
1	Name of the supplier													
2	Name & designation of the contact person													
3	Address of the works at which inspection / delivery is offered.													
4	Complete acceptance to Technical Terms & conditions including Technical/ Purchase Specs as mentioned in Annexure. – I.	<input type="checkbox"/> Accepted												
5	Complete acceptance to all terms & conditions of tender enquiry as mentioned in Annexure.-I	<input type="checkbox"/> Accepted												
6	*Acceptance for the final inspection of material after receipt at BHEL works and results shall be binding on the supplier.	<input type="checkbox"/> Accepted												
7	Acceptance for finalization of Price bid part-II through on line bidding (Reverse Auction).	<input type="checkbox"/> Accepted												
8	Quoted delivery of first lot in number of days for contractual purpose on FOR destination basis from the date of PO/LOI. Desired delivery is within 60 days from PO/LOI.	_____ Days												
9	Monthly committed capacity against this tender for BHEL on finished basis (Desirable monthly capacity of supplier is 15000 Meter cumulative for all type of cable combined).	_____ Meter												
10	Applicable GST (mention NA if not applicable)													
	A. IGST@ %												
	B. CGST @ %												
	C. SGST @ %												
11	*Acceptance to Pricing Terms as per sl.no: 7 of Annexure – I.	<input type="checkbox"/> Accepted												
12	*Acceptance to bid evaluation criterion at sl.no.5 of Annexure – I	<input type="checkbox"/> Accepted												
13	Initially, rates to be called for first lot of enquiry items with +30% quantity tolerance for ordering and same shall be valid for the period of six months from the date of TCMOU contract. Subsequently, only separate prices will be received through email id-tenderbox.jhs@bhel.in to conduct RA and invite for ordering. From 2nd half yearly period onwards qty may change as per BHEL's requirement and same will be communicated to all techno commercially qualified bidders before price bid opening of 2nd, 3rd and 4th half yearly period.	<input type="checkbox"/> Accepted												
14	Price bid of those vendors shall not be considered for further processing (2nd, 3rd or 4th time) who have failed in delivery against the capacity commitment reserved for BHEL Jhansi against this tender	<input type="checkbox"/> Accepted												
15	Also, price bid shall not be considered for further processing (1st time, 2nd time, 3rd time and 4th time) of those vendors who have pending supply of the same/ similar enquiry items/ low spr rating (d rating)/ hold/ banned at the time of opening of price bid (1st time, 2nd time, 3rd time and 4th time).	<input type="checkbox"/> Accepted												
16	Quantity shall not be carry forwarded to another half yearly period if required quantity by BHEL Jhansi is less than RA/ Price bid quantity.	<input type="checkbox"/> Accepted												
17	Techno commercial conditions frozen against this MOU for this enquiry shall be valid for ordering for two-year period from the date of entering into first rate contract.	<input type="checkbox"/> Accepted												
18	Acceptance to <u>Delivery Terms on F.O.R destination basis as per clause 16 of Annexure-I</u>	<input type="checkbox"/> Accepted												
19	Acceptance of penalty @ ½ % per week or part there of subject to max. of 10% for delay in supply beyond agreed delivery as per sl.no 20 of Annexure – I.	<input type="checkbox"/> Accepted												
20	Acceptance to payment terms as per sl.no 15 of Annexure – I. 100% payment within 90 days of receipt (45 days for MSE registered suppliers as per relevant act n force), subject to acceptance of material at BHEL.	<input type="checkbox"/> Accepted MSE's <input type="checkbox"/> Accepted 90day												
21	Any Bidder falling under MSE category shall furnish the following details & submit documentary evidence/ Govt. Certificate etc. in support of the same along with their techno-commercial offer.													
	<table border="1"> <thead> <tr> <th>Type under MSE</th> <th>SC/ST Owned</th> <th>Women Owned</th> <th>Others (excluding SC/ST & Women Owned)</th> </tr> </thead> <tbody> <tr> <td>Micro</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Small</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type under MSE	SC/ST Owned	Women Owned	Others (excluding SC/ST & Women Owned)	Micro				Small				
Type under MSE	SC/ST Owned	Women Owned	Others (excluding SC/ST & Women Owned)											
Micro														
Small														
	Note: If the bidder does not furnish the above in the tender, offer shall be processed construing that the bidder is not falling under MSE category.													
22	*Acceptance to rejection replacement clause as per sl.no.13 of Annexure - I.	<input type="checkbox"/> Accepted												
23	Validity of offer to be reckoned from the date of bid Part-I opening and it will be 120 days from the date of techno-commercial bid opening date (part-1) for finalization of the contract	<input type="checkbox"/> Accepted												
24	*Acceptance to quantitiv distribution as per sl.no 10 of Annexure – I.	<input type="checkbox"/> Accepted												

Laonw

[Signature]

25	Un-Price bid (Annexure – IV) submitted with 'Q (Quoted)' OR 'NQ (Not Quoted)' status with bid part – I.	<input type="checkbox"/> Yes
26	Acceptance to short closure clause as per sl.no. 18 of Annexure – I.	<input type="checkbox"/> Accepted
27	*Integrity Pact submitted in original duly signed	
28	Acceptance to Warranty, Corresponding Repairs / Replacement of Goods, and Deductions as per clause 17 of GTC rev.03.	<input type="checkbox"/> Accepted
29	The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/guidelines.	<input type="checkbox"/> Accepted
30	In case of any inconsistency between offers of supplier and the accepted terms and conditions in this sheet, the terms and conditions of this sheet shall prevail.	<input type="checkbox"/> Accepted

*In case of non-acceptance to these clauses, your bid may be liable for rejection.

Signature with name of the Authorized Signatory



**Pre-Qualifying Requirement (PQR) against Indent -4216250887
OF ARMOURED PVC CABLE**

Sl. No.	REQUIREMENT	Bidder's Response															
1	The Bidder should be the Manufacturer of " ARMOURED PVC CABLE ".	<input type="checkbox"/> YES															
2	<u>Bidders to provide Self Undertaking / Declaration that:</u> We, M/s understand BHEL purchase specification, national / international standards & BHEL /BHEL's customer Quality plan referred in the enquiry and are capable of executing the job under captioned enquiry.	<input type="checkbox"/> Certified															
3	SUPPLY EXPERIENCE:- Bidders should have experience of having supplied "ARMOURED PVC CABLE" (henceforth called "Goods") to any of the customer listed below. To qualify, the bidder should have executed the orders of total quantity as detailed in sl. no. 4 which will be valid for all items (put together) for which bidders have quoted of 'Goods' in the last Five years till the date of Part I (Techno-commercial) Bid opening to any of customer as listed below. Bidder to submit copies of supply orders, Tax Invoices / Completion Certificate of same order as a documentary proof for minimum quantum as mentioned in clause 4 In case, bidder have experience of supply to BHEL, Jhanis UNIT, they need not to provide copies of Tax Invoices / Completion Certificate. They can provide PO references only. Self-Certification:- Bidders to also submit self-certification that the supplies against the submitted POs and Invoices have been executed by them successfully. The Customer should be any of the following in the last five years (PI tick✓ as applicable). 1. PSU- State/ Central Govt. OR 2. Government - State/ Central OR 3. Public Listed Company OR 4. Transformer manufacturer /Heavy Electrical equipment manufacturer/Power plant equipment manufacturer/ Power utilities. 5. Transformer manufacturer Or Power Utility who have use of the said Goods. .	<input type="checkbox"/> YES PI tick ✓ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>															
4	Minimum Quantum- For qualifying, bidder should have supplied minimum 10% (For Non-MSEs) ,7% (For MSEs) or 5% (for start-ups recognised by DPIIT) of 25% of NIT quantity of the item(s) for which they have quoted. To get the benefits of startups, bidders to provide the certificate issued by DPIIT and also certify that there annual turnover is less than INR 100 crs. in any of the previous financial years.	<input type="checkbox"/> Submitted <input type="checkbox"/> Certified															
Vendor to submit details of executed PO.																	
<table border="1"> <thead> <tr> <th>Customer Name</th> <th>Order No. & Date</th> <th>Qty. supplied in UoM</th> <th>Tax Invoice / Completion Certificate & Date</th> <th>Remark, if any</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			Customer Name	Order No. & Date	Qty. supplied in UoM	Tax Invoice / Completion Certificate & Date	Remark, if any										
Customer Name	Order No. & Date	Qty. supplied in UoM	Tax Invoice / Completion Certificate & Date	Remark, if any													
5	It is better / desired that New vendors who are not registered with BHEL, Jhansi should submit duly filled "Supplier Registration Form (SRF)" along with the requested documents. The SRF is available on line on our website www.bhel.com. However the same is not mandatory.	<input type="checkbox"/> Document Submitted															

(Signature of the Supplier with Name, Designation & Seal)

f AGM (TRP) 18/11/25

AGM (MM-1)

on leave
AGM (Q & BE)

AGM (TRE-NPT)

Indentor
AGM (TRE-PT)



BHARAT HEAVY ELECTRICALS LIMITED JHANSI - 284120
(A Govt of India undertaking)
Material Management

ANNEXURE-IV
UNPRICE BID

UNPRICE BID FOR INDIGENOUS BIDDER, FOR ENQUIRY NO. E09250016

1	Name & Address of the Supplier						
2	Enquiry Item No.	1	2	3	4	5	6
3	Material Code	BP285527501 6	BP2855275 024	BP285527 5032	JS9006272 660	JS9006272 670	JS9006272 680
4	Enquiry Item Description	CABLE PVC 2.5SQ*2CORE 3/1.06/1100V	CABLE PVC 2.5SQ*3CO RE 3/1.06/1100 VP	CABLE PVC 2.5SQ*4C ORE 3/1.06/110 0VP	CABLE PVC FRLS 4 SQ MM X 2 CORE	CABLE PVC FRLS 4 SQ MM X 3 CORE	CABLE PVC FRLS 4 SQ MM X 4 CORE.
5	Items Qty, in Meter	100000	100000	40000	30000	20000	50000
6	Basic rate in Rs. / Mtr basis (Without GST) : Bidder to quote either Q for- Quoted; NQ for- Not Quoted						
	Enquiry Item No.	1	2	3	4	5	6
	Confirmation of quotation / offer	Quoted / Not Quoted	Quoted / Not Quoted	Quoted / Not Quoted	Quoted / Not Quoted	Quoted / Not Quoted	Quoted / Not Quoted

(Signature of the Supplier with Name, Designation & Seal)

Laenu

[Handwritten signature]

INTEGRITY PACT**Between**

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract(s) for PROCUREMENT OF PVC CABLE AGAINST TCMOU ENQ - E09250016 (hereinafter referred to as "Contract"). The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint panel of Independent External Monitor(s) (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.

BHEL-IP

AA:SSP:IP:R04 dtd 12-11-2025

- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process, terminate the contract, if already awarded, exclude from future business dealings and/ or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 4 - Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder (s) from the tender process before award / order acceptance according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal is entitled to terminate the Contract according to Section 3, or terminates the Contract in application of Section 3 above , the Bidder(s)/ Contractor (s) transgression through a violation of Section 2 above shall be construed breach of contract and the Principal shall be entitled to demand and recover from the Contractor an amount equal to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee , whichever is higher, as damages, in addition to and without prejudice to its right to demand and recover compensation for any other loss or damages specified elsewhere in the contract.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years (to be reckoned from date of bid submission) with any other company in any country conforming to the anti-corruption approach in India that could justify his exclusion from the tender process. The date of such transgression, for the purpose of disclosure by the bidders in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The transgression(s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the bidders.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Suspension of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 6 - Equal treatment of all Bidder (s)/ Contractor (s) / Sub-contractor (s)

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact. In case of Sub-contracting, the Principal Contractor shall be solely responsible for the adherence to the provisions of IP by the sub-contractor(s).
- 6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact on receipt of any complaint by them from the bidder(s).
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as /Top Secret are not to be disclosed.
- 8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.

BHEL-IP

- 8.5 The role of IEM is advisory and the advice of IEM is non-binding on the Organization. However, as IEMs are invariably persons with rich experience who have retired as senior functionaries of the government, their advice would help in proper implementation of the IP.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of the tendering process, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an examination, and submit their joint recommendations to the Management. In case the full panel is not available due to some unavoidable reasons, the available IEM(s) will conduct examination of the complaints. Consent of the IEM(s), who may not be available, shall be taken on record.
- 8.7 The IEMs shall examine all the representations/grievances/ complaints received by them from the bidders or their authorized representative related to any discrimination on account of lack of fair play in modes of procurement and bidding systems, tendering method, eligibility conditions, bid evaluation criteria, commercial terms & conditions, choice of technology/ specifications etc.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs.
- 8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.
- 8.13 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.
- 9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

- 10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.
- 10.2 Changes and supplements as well as termination notices need to be made in writing.

BHEL-IP

AA:SSP:IP:R04 dtd 12-11-2025

- 10.3 If the Bidder(s)/ Contractor(s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.
- 10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.
- 10.6 In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. If required, the Principal may adopt any mediation rules for this purpose. However, not more than five meetings shall be held for a particular dispute resolution. The fees/expenses on dispute resolution shall be equally shared by both the parties. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as per the terms & conditions of the Contract.

For & On behalf of the Principal
(Office Seal)

Place _____

Date _____

Witness: _____

(Name & Address) _____

(राजीव रंजन)
(RAJEEV RANJAN)
प्रबंधक (आमची प्रशासन)
Manager (MM)
बी.एच.ई.एल., जहानसी
B.H.E.L., JHANSI

Ran

For & On behalf of the Bidder/ Contractor
(Office Seal)

Witness: _____

(Name & Address) _____

(रानू वर्मा)
(RAANU VERMA)
उप महाप्रबंधक (आमची प्रशासन)
Dy. General Manager (MM)
बी.एच.ई.एल., जहानसी
B.H.E.L., JHANSI

Clause on IP in the tender**Integrity Pact (IP)**

- (a) IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

SI	IEM	Email
1.	Dr. Sarat Kumar Acharya, Ex-CMD, NLC	iem1@bhel.in
2.	Shri R. Mukundan, IRPS (Retd.)	iem2@bhel.in
3.	Shri Madan Lal Meena, IAS (Retd.)	iem3@bhel.in

- (b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part-I, in case of two/ three part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.
- (c) Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEMs shall be done through email only.

Note:

No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are provided below:

Details of contact person(s):

(1)
 Name: RAJEEV RANJAN
 Deptt: MM
 Address: BHEL JHANSI
 Phone: (Landline/ Mobile)
0510-2460124-2732/9487669022
 Email: rrajeev.s@bhel.in
 Fax: _____

(2)
 Name: RAJANU VERMA
 Deptt: MM
 Address: BHEL JHANSI
 Phone: (Landline/ Mobile)
0510-2460124-2249/7587571260
 Email: rajanu.verma@bhel.in
 Fax: _____



BHARAT HEAVY ELECTRICALS LIMITED JHANSI - 284120
(A Govt of India undertaking)
Material Management

ANNEXURE-VI

PRICE BID (2ND time/ 3rd time/ 4th time)

PRICE BID FOR INDIGENOUS BIDDER, FOR TCMOU ENQUIRY NO. E09250016

1	Name & Address of the Supplier						
2	Enquiry Item No.	1	2	3	4	5	6
3	Material Code	BP285527501 6	BP2855275 024	BP285527 5032	JS9006272 660	JS9006272 670	JS9006272 680
4	Enquiry Item Description	CABLE PVC 2.5SQ*2CORE 3/1.06/1100V	CABLE PVC 2.5SQ*3CO RE 3/1.06/1100 VP	CABLE PVC 2.5SQ*4C ORE 3/1.06/110 0VP	CABLE PVC FRLS 4 SQ MM X 2 CORE	CABLE PVC FRLS 4 SQ MM X 3 CORE	CABLE PVC FRLS 4 SQ MM X 4 CORE
5	Items Qty, in Meter	<u>Shall be intimated before price bid opening</u>					
6	Basic rate in Rs. / Mtr basis <u>(Without GST)</u> : Bidder to quote either Q for- Quoted; NQ for- Not Quoted						
	Enquiry Item No.	1	2	3	4	5	6
	Quoted Rate in Rs/ Mtr (In figures)						
	Quoted Rate in Rs/ Mtr (In words)						

NOTE: The price bid submitted in any other fashion or by adding any condition (e.g. minimum order quantity, rates applicable for specified quantity, discount for quantity, rate based on slabs, rate based on terms of payment etc.), offer shall be straight way REJECTED even if, offer has been found technically & commercial acceptable before opening of price bid. Quoted rates are inclusive of packing forwarding, insurance and freight.

(Signature of the Supplier with Name, Designation & Seal)

INSTRUCTIONS FOR SUBMISSION OF TENDER

1. The offers against TCMOU enquiry shall be submitted as detailed below:-
Price Bid (Part-B2/B3/B4): -Filled Price bid
2. The vendor shall prepare Part B2/B3/B4 in above format duly super-scribing Enquiry no of the bid and send to email id- tenderbox.jhs@bhel.in ONLY for further processing (conducting RA).



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 1 of 12

SN	Description
1	General:
A	These general terms & conditions shall apply to all enquiries, notice inviting tenders, request for quotations concerning the supply of goods and / or rendering of services to Bharat Heavy Electricals Ltd., Jhansi (hereinafter referred to as BHEL or the Purchaser) or its Projects / Customers.
B	Special / supplementary enquiry conditions & Mandatory Sheet requirements, if any, covered in the respective enquiry, will override the relevant conditions mentioned in this document.
C	Commercial Conditions quoted by the vendor in any place including as stated in bidder's 'General Terms and Conditions' if any, shall not be binding on the Purchaser. Only the conditions contained in this document, including special conditions, if any, for this enquiry shall prevail.
2	General Instructions - Common for Indigenous & Foreign enquiries
A	Sealed bids are invited for scope of Supply / Services as detailed in the enquiry. The quotation should be neatly typed and free from over writing/ erasures. Any correction or addition must be authenticated.. Relevant enclosures, supporting documents, catalogue, samples, if any, as required as per Notice Inviting Tender (NIT) conditions shall be sent along with technical offer. Rate should be quoted in the units asked for in the enquiry. The rates should be quoted both in figures and words. In case of discrepancy in figures and words, the rates quoted in words shall be considered.
B	<p>Bids shall be submitted in a Sealed cover with Enquiry No., Due date and Bidder's name indicated on the Cover. The Cover should contain both Part-I and Part -II bids, as the case may be.</p> <p><u>Part – I bid</u></p> <p>In case of Two part Bid, Part – I bid i.e. Technical bid containing (i) technical offer, (ii) Mandatory Sheet, (iii) un-priced copy of the Price Bid, (iv) EMD (if called in NIT), and (v) Relevant documents of PQR (if called in NIT), all duly filled-in & signed; should be kept in one envelope. The Part – I bid Cover items should have Enquiry No., Part I Bid, Due date, and Bidder's name indicated on the Cover</p> <p><u>Part –II Bid wherever Reverse Auction is not called for</u></p> <p>Part – II bid i.e. Price Bid containing only the price (as called for in the price format where required), duly filled-in & signed; should be kept in a separate envelope. The Price bid Cover items should have Enquiry No., Part II Bid, and Bidder's name indicated on the Cover</p> <p><u>Part –II Bid wherever Reverse Auction is called for</u></p> <p>Part – II bid i.e. Price Bid containing only the price (as called for in the price format where required), duly filled-in & signed; should be kept in a separate envelope. Wherever, BHEL informs that it proposes to conduct Reverse Auction for many items in the tender and where evaluation of the tender is on individual item basis, separate Part – II bids are to be submitted for each of the item. The Price bid Cover for each of the items should have Enquiry No., Part II Bid, Item no of Enquiry, and Bidder's name indicated on the Cover</p> <p>The envelopes indicating Part –I or Part-II, as the case may be, to be put in a bigger envelope, which should be addressed to In-charge, Tender Room, Bharat Heavy Electricals Ltd., Administration Building, Jhansi 284120. Enquiry No., due date and bidder's name must be mentioned on the bigger envelope. Offer must reach tender room of BHEL Jhansi latest by 13.15 hrs of the enquiry due date.</p> <p>In case, the bids are not submitted in the manner stated above, the offer of the bidder(s) are liable to be rejected.</p> <p>It is preferred that offers are sent in sealed envelope. However, if the bidder chooses to send the offer through E-mail, offers received through E-mail shall be considered only when such offers are complete in all respects.. In cases of offers through E-mail, the offers shall be sent to tenderbox.jhs@bhel.in, wherein the Subject of the Email should mention the Enquiry Number. E mail offers sent to any other E mail ID shall not be entertained. BHEL shall not take any responsibility if the offers are incomplete or if the Enquiry number is not mentioned in the subject of the E-mail.</p>
C	Wherever BHEL proposes to issue tender through e –procurement, the same philosophy as mentioned in 2B above is ensured through suitable system locks.
D	Offer received after 13.15 hrs of the due date will be termed as "Late" and shall not be considered



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 2 of 12

	<p>BHEL reserves the right to go for Reverse Auction (RA) (as per Guidelines available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non consideration of their bids, in case BHEL decides to go for RA. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).</p>
E	<p>The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be processed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.</p> <p>If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com)</p>
F	<p>The goods offered shall conform to BHEL specifications / drawings and / or Indian / International standards as mentioned in the Enquiry and the bidder is required to confirm his unconditional acceptance to the same. Vendors, seeking deviations from the specifications and any other conditions, may indicate the same clearly on a separate sheet, with reasons for such deviations. BHEL reserves the right to reject the offer with deviations or load the deviations suitably for evaluation.</p>
G	<p>Offers shall be submitted directly by vendor or his authorized agent/representative only. Offers from any other sources shall be considered as unsolicited and shall be summarily rejected.</p>
H	<p>Bid in single part or techno-commercial bid in two part system (as the case may be) will be opened on the due date. In case of two part bid, price bids of techno-commercially acceptable bidder(s) only shall be opened on the assigned date, for which separate intimation will be sent to the acceptable bidders.</p>
I	<p>The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned along with his price bid within <u>30 days</u> of contract finalization date. No interest will be payable on EMD amount. EMD shall however be forfeited in the event of bidder backing out after submission of the bid.</p>
J	<ol style="list-style-type: none">1. Any discount / revised offer submitted by a bidder on its own shall be considered, provided it is received on or before the due date and time of offer submission (Part-I). Conditional discounts shall not be considered for evaluation of tenders.2. Unsolicited discounts / revised offers given after Part-I bid opening shall not be accepted. No change in price will be permitted within the validity period asked for in the enquiry.3. In case of changes in scope and / or technical specification and / or commercial terms & conditions, having price implication, techno-commercially acceptable bidders shall be asked by BHEL to submit the impact of such changes on their price bids. A suitable cut-off date and time shall be given to all the techno-commercially acceptable bidders to submit the impact on their price bids. In case a bidder opts to submit revised price bid instead of impact called for, then their original price (i.e. previous bid) shall be necessarily opened to know the price impact. .
K	<p>The bidders will submit Integrity Pact, duly signed by its authorized signatory, if called for in the enquiry.</p>
L	<p>Wherever the enquiry is issued to unregistered vendor referred by BHEL Customer, the bidder shall submit the Supplier Registration Form (SRF) online at www.bhel.com and submit the signed copy of the duly filled-in SRF along with the bid. Price bids of such vendors, will be opened only on techno-commercial acceptance of bid and if allotted permanent code before the date of price bid opening.</p>
M	<p>BHEL expects that the bidder must respond to the enquiry. Regret letter, with valid reasons for not participating in the tender will be submitted where the bidder is unable to submit offer. Repeated lack of response on the part of vendor may lead to his deletion from BHEL's approved vendor list.</p>
N	<p>Goods shall be properly packed to avoid transit damage. Suitable markings shall be provided to identify the goods with that of the PO No, Item no. and the consignee details.</p>
O	<p>Goods shall be consigned to Manager , Stores (CRX), BHEL, Jhansi - 284120, India, unless otherwise specified in the PO.</p>
P	<p>Offers of the Bidders who are under HOLD or are under Interim Suspension or are on the banned list (as on date of Price bid opening) and / or those bidders who engage services of such suspended / banned firms, shall be rejected. The list of firms banned by BHEL is available on BHEL web site www.bhel.com. The list of firms suspended by BHEL, Jhansi is available on www.bheljhs.co.in. The " Guidelines for suspension of business dealings with Suppliers / Contractors" is uploaded on BHEL website http://www.bhel.com/vender_registration/vender.php</p>



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 3 of 12

Q	In case of press tenders (i.e. those published in newspapers) all corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL website. (www.bhel.com & www.bhejhs.co.in) only. Bidders responding to press tender should regularly visit website(s) to keep themselves updated.
R	In case the bidder decides to sub-contract part of his activity / work to some of his vendors, details of such intended subcontracting shall be mentioned in the bid. This will however not absolve the bidder from his contractual obligations and responsibilities.
S	In the course of evaluation, if more than one bidder happen to occupy L-1 status and the order is to be placed on a single vendor, effective L-1 will be decided by soliciting discounts from the respective L1 bidders.. In case more than one bidder happen to occupy the L1 status even after soliciting discounts, the L1 bidder shall be decided by, a toss / draw of lots, in the presence of the respective L1 bidder(s). BHEL's decision in such situations shall be final and binding.
T	Wherever the minimum reserved capacity is called for in the tender, the offers of such bidders, who do not quote for the minimum reserved capacity, are liable to be rejected.
U	<p>Due to large qty. requirement, we may finalize the tendered quantities among more than one bidder (after acceptance of L1 price by the other bidders), but limited to the capacity quoted by the bidder. Indicate your committed capacity for the item(s) tendered and confirm that capacity offered by you against our tender shall be available for us during the entire period of the Purchase Order / Contract.</p> <p>Where the number of qualified responses (N) are three or more, the distribution shall be limited to (N-1) responses. The manner and proportion of distribution shall be mentioned in the specific enquiry. Normally, the quantity distribution shall be generally as per quantities allocated to the bidder, but limited to the capacity quoted by the bidder.</p> <p>While the manner of distribution is mentioned in the enquiry, the absolute values of the unit of measurement shall be rounded off. For eg : If an allocation of 40% quantity results in 23.5 units, the quantity allocated shall be 24 units. If an allocation of 40% quantity results in 23.3 units, the quantity allocated shall be 23 units</p> <p>The distribution shall be based on the acceptance given by bidders to the L1 price counter offered to them. In case any or all of the bidders do not accept the counter offer, and a situation arises wherein bidder(s) who have agreed to the counter offer may have to be allotted more quantity than what has been proposed earlier, then the same shall be done, but limited to the capacity quoted by the bidder (s).</p> <p>Wherever, the number of techno commercially qualified responses (N) is two, BHEL reserves the right on whether or not to distribute the quantity on more than one bidder</p> <p>While the above pattern shall also be followed in long term framework agreements (FA), performance of the suppliers shall be monitored periodically, and the loading in FA will also be subject to factors like (a) Customer approval of suppliers in specific projects, (b) quality surveillance at Supplier works, (c) Suppliers delivery and quality performance during execution of FA, (c) Pendency of orders on the supplier and (d) responsiveness in addressing post order completion issues at BHEL. In view of these factors, the loading during execution of FA may vary with respect to allocated quantity. During execution of FA, if the performance of supplier is not upto the mark in respect of delivery / quality performance / quoted capacity of the bidder, BHEL reserves the right to either reduce further loading or stop loading till the execution of overdue orders. In such cases, action shall be taken against the defaulting supplier(s) as per guidelines of the Company, and the balance allocated full or part quantity of the defaulting supplier(s) may be re-distributed amongst other performing and willing vendors of the FA..</p>
V	The bidder shall submit price bid strictly in the price format, wherever provided for, in the enquiry. Any attempt on the part of the bidder to alter the contents of the price bid format in any manner, which in the opinion of BHEL can vitiate the tendering process, will lead to rejection of the bid, <i>besides BHEL taking appropriate punitive action as deemed fit.</i>
3	Vendor's particulars & logistics information
	Bidder to provide contact details and all logistical information as called for in the Mandatory Sheet enclosed to this enquiry
4	Delivery Schedule & Completion date
A	<ul style="list-style-type: none">• Instead of writing specific date against delivery offered, Bidder shall commit delivery period in number of days / weeks/ months to suit the delivery period indicated in the enquiry.• Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone.• Seller shall deliver the goods in the manner and schedule agreed under the Purchase order.• Goods shall be delivered within contractual period or any extension thereof, if any, granted by the Purchaser.



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 4 of 12

B.	In case of foreign supplies, bidders are to quote for CIF/CFR delivery terms .For CIF / CFR delivery terms, the date of bill of lading (BL) shall be taken as actual date of delivery.
C.	In case of Indigenous bidders, the date of delivery at named destination in India shall be taken as contractual delivery completion date where delivery terms are FOR destination. In case of 'Ex-works' delivery terms, the date of LR / RR shall be the contractual delivery completion date.
D	In case of unreasonable delivery quoted by the bidders, BHEL reserves the right to reject such offers.
5	Transit Insurance
	Except where delivery terms are agreed on CIF basis for Imports & FOR destination basis for indigenous purchases, transit insurance will be covered by BHEL under its open Marine Insurance Policy. Seller shall inform dispatch particulars with value of consignment to the Purchaser within 07 days of dispatch for BHEL to arrange insurance coverage in its policy. Failure on the part of seller to inform dispatch particulars will make him liable to pay for any transit damages / losses suffered by the Purchaser.
6	Delivery Terms
A	Indigenous Purchase
	Goods shall be delivered on 'FOR Destination' basis (with freight and insurance in bidder scope) to the named destination unless otherwise called for in the enquiry. In case the bidder quotes on Ex-Works, the offer of such bidder(s) is/are liable to be rejected. Wherever the PO terms mentions delivery terms as FOR Destination basis, and In the event of supplier having supplied the material by BHEL Truck / Vehicles as per BHEL transportation rate contract, thus causing BHEL to bear the freight charges, the corresponding amount ,incurred / estimated, shall be deducted from the bills of the Supplier.
B	Foreign Purchase – Imports
	<ol style="list-style-type: none">1. Goods shall be dispatched by sea on CIF/CFR basis, unless stated otherwise in the enquiry or purchase order. The destination shall at Navsheva, Mumbai for LCL/Breakbulk Cargo and ICD, Mandideep, Madhya Pradesh for FCL Cargo2. If air freight is called for in the enquiry, the goods shall be delivered on FCA basis to the named Airport3. Please visit BHEL Jhansi web site www.bheljhs.co.infor details of named Airports. . Name of the airport so chosen by the Seller shall be indicated by the Bidder in his offer.4. Goods shall be handled for air freight by BHEL's freight forwarder only, under FCA contracts and HAWB issued by BHEL appointed forwarder or his authorized agent(s) shall only be accepted for negotiation.
C	<ul style="list-style-type: none">• In the event of bidder offering CFR or CIF delivery terms for delivery in FCL(Full Container Load), the Bidder shall provide 14 days' time free of detention from the date of delivery at delivery port. Wherever the detention free period offered is less than 14 days, the bids shall be loaded for the period short of 14 days period.• <u>Port congestion charges or any additional charges claimed by shipping line till delivery at destination port shall be to the Seller's account.</u>•
7	Force Majeure
	Notwithstanding anything contained in the contract, neither the Seller nor the Purchaser shall be held responsible for total or partial non-execution of any of the contractual obligations, should the obligation become unreasonably onerous or impossible due to occurrence of a 'Force Majeure' which directly affects the obligations to be performed by the Purchaser or the Seller; Such events include war, military operations of any nature, blockages, revolutions, insurrections, riots, civil commotions, insurgency, sabotage, acts of public enemy, fires, explosion, epidemics, quarantine restrictions, floods, earthquake, or acts of God, restrictions by Govt. authorities; over which the Seller or the Purchaser has no control. The party claiming to be affected by force majeure shall notify the other party in writing without delay, within two weeks on the intervention and on the cessation of such circumstance. Extension of time sought by the Seller along with supporting evidence and so granted by the Purchaser for the supply/ work affected, if any, shall not be construed as waiver in respect of remaining deliveries. Rescheduling of deliveries on account of force majeure conditions, if so agreed by the Purchaser, will not entail the Seller to claim any increase in the price on whatsoever account.



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 5 of 12

	Notwithstanding above provisions, Purchaser shall reserve the right to cancel the order/ Contract, wholly or partly, in order to meet the overall project schedule and make alternative arrangements. If deemed necessary, Purchaser may takeover partly processed material at a mutually agreed price.
8	LD / Penalty for delayed performance.
A	<p>I. Subject to force majeure conditions, LD shall be 0.5% of the total order value per week of delay or part thereof, subject a maximum of 10% of the total order value.</p> <p>II. In case of staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week or part thereof subject to a maximum of 10% of the undelivered portion .</p> <p>III. However in case of Capital Machine / BOP where staggered deliveries may be applicable, the LD cap will be levied on total order value inclusive of E&C charges. (15%)</p> <p>IV. Wherever Erection & Commissioning (E& C) is called for, the vendor is provided a stipulated period from date of site readiness. LD shall be applicable for any delay beyond the stipulated period mentioned in the PO.</p> <p>V. In case of any amendment / revision, the LD shall be linked to the amended / revised PO value.</p> <p>VI. Any loading on LD clause shall be to the extent to which it is not agreed to by the bidder (at offered value)</p> <p>For the sake of clarity – Total order value means purchase order value (exclusive of taxes), Undelivered portion means , the delayed portion for the given lot.</p> <p>In case a supply is rejected and the same is replaced at a later date, the date of replacement of accepted supply shall be reckoned for calculation of LD</p>
B	In case the contractually agreed delivery date falls on a holiday in BHEL Jhansi, the next working day shall be taken as contractual delivery date for compliance and applicability of LD / penalty.
C	<p>In case of Ex works Delivery terms for Indigenous supplies, the date LR shall be reckoned for LD deduction.</p> <p>In case of FOR Delivery terms, the date of entry in BHEL Jhansi (CISF date) shall be reckoned for LD deduction.</p> <p>In case of FCA Delivery terms / Ex Works Delivery terms of Foreign supplies , the date Invoice / Packing List / Test Certificate, whichever date is later, shall be reckoned for LD deduction.</p> <p>In case of FOB / CIF / CFR / CIP Delivery terms, the date of Bill of Lading , shall be reckoned for LD deduction.</p>
	Risk Purchase.
C	<p>If the material is not supplied within the agreed delivery period, BHEL reserves the right to cancel the order and purchase the material(of the undelivered portion) from alternate source(s) at the Risk and Cost of the Seller. In such an event, it shall be obligatory on the part of seller to make good any loss suffered by the purchaser. In such cases, BHEL shall withhold bills, bank guarantees, etc of the Supplier, which are pending either at BHEL, Jhansi or any other Unit of BHEL . Wherever Risk purchase is invoked attracting action as per guidelines of the Company, action shall be initiated to suspend business dealings with the Supplier. To know the implications of suspension, the bidder may see the “ Guidelines for suspension of business dealings with Suppliers / Contractors” which is uploaded on BHEL website http://www.bhel.com/vender registration/vender.php</p>
9	Indian Agents and Agency commission
A	BHEL prefers to deal directly with Foreign vendor, wherever required, for procurement of Goods. However if the Foreign Principal desires to avail services of an Indian Agent, then the Principal should ensure compliance to “regulatory guidelines” which will require submission of an agency agreement. The agency agreement should specify the precise relationship between the foreign OEM / foreign Principal and their Indian Agent. Any payment which the Indian agent receives in India or abroad from the OEM, whether as commission or as a general retainer fee, should be brought on record in the agency agreement.
B	The CIF price quoted will be deemed to be inclusive of Indian Agency commission. Agency commission as disclosed by the bidder in his quoted CIF price will be paid in Indian Rupees on receipt & acceptance of Materials or it's installation at destination, as the case may be. The lower of the TT selling rate prevailing on the date of (a_ technical bid opening, or (b) price bid opening, or (c) date of invoice, shall be considered for computation of Agency commission.
C	Be it a case of a Foreign / Indigenous Principal or OEM, in a tender either the Indian Agent on behalf of Principal / OEM or the Principal / OEM itself can bid, but both cannot bid simultaneously for same item / product in the same Tender. In case both submit a bid in the tender, then the bid of OEM only shall be opened



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 6 of 12

D	Be it a case of a Foreign / Indigenous Principal or OEM, If an agent submits Bid on behalf of the Principal / OEM, the same agent shall not submit bid on behalf of another Principal / OEM in the Tender, for the same Item / Product.									
10	Documentation:									
A	Indigenous Purchase									
	<p>Immediately on despatch of Goods, the following documents shall be necessarily sent by the Seller to the respective address(es) mentioned below</p> <table border="1" data-bbox="297 449 1479 968"> <tr> <td data-bbox="297 449 358 632">(a).</td> <td data-bbox="358 449 740 632"> Addressed to: Addl General Manager (Stores) Main Store Building BHEL Jhansi PIN-284120 Telephone . 0510-2412230 </td> <td data-bbox="740 449 1479 632"> Documents to be sent: (i) GST compliance Invoice – Duplicate for Transporter (ii) Challan/Despatch Advice note / Packing List etc. + 1 Photo copy (iii) Test Certificate, Guarantee / Warrantee Certificate (iv) LR/RR Duplicate for Transporter copy (v) O&M Manuals, wherever applicable </td> </tr> <tr> <td data-bbox="297 632 358 842">(b)</td> <td data-bbox="358 632 740 842"> Addressed to: Dy. General Manager (Finance) Administrative Building BHEL Jhansi PIN-284120 </td> <td data-bbox="740 632 1479 842"> Documents to be sent: (i) GST compliance Invoice – Original for Buyer (ii) Copy of LR/RR (iii) Copy of Test Certificate (iv) PVC Calculation sheet, if any, with supporting documents. (v) MOM with BHEL Customer (if called for in the PO) in case of installation & commissioning at Customer Site (vi) Capitalization Certificate, if called for in the PO </td> </tr> <tr> <td data-bbox="297 842 358 968">(c)</td> <td data-bbox="358 842 740 968"> Addressed to: Dy. General Manager (MM) Administrative Building BHEL Jhansi PIN-284120 </td> <td data-bbox="740 842 1479 968"> Documents to be sent: (i) GST compliance Invoice – Extra copy / Photo copy (ii) Challan/Despatch Advice note (iii) Test Certificate, Guarantee / Warrantee Certificate (iv) Copy of LR/RR </td> </tr> </table> <p>In case any other documents are required, the distribution of such documents will be specified in the Purchase order.</p> <p>Further, if specified in the Purchase order, all the details and copies of documents have to be uploaded by Supplier on BHEL portal before despatch of Goods</p>	(a).	Addressed to: Addl General Manager (Stores) Main Store Building BHEL Jhansi PIN-284120 Telephone . 0510-2412230	Documents to be sent: (i) GST compliance Invoice – Duplicate for Transporter (ii) Challan/Despatch Advice note / Packing List etc. + 1 Photo copy (iii) Test Certificate, Guarantee / Warrantee Certificate (iv) LR/RR Duplicate for Transporter copy (v) O&M Manuals, wherever applicable	(b)	Addressed to: Dy. General Manager (Finance) Administrative Building BHEL Jhansi PIN-284120	Documents to be sent: (i) GST compliance Invoice – Original for Buyer (ii) Copy of LR/RR (iii) Copy of Test Certificate (iv) PVC Calculation sheet, if any, with supporting documents. (v) MOM with BHEL Customer (if called for in the PO) in case of installation & commissioning at Customer Site (vi) Capitalization Certificate, if called for in the PO	(c)	Addressed to: Dy. General Manager (MM) Administrative Building BHEL Jhansi PIN-284120	Documents to be sent: (i) GST compliance Invoice – Extra copy / Photo copy (ii) Challan/Despatch Advice note (iii) Test Certificate, Guarantee / Warrantee Certificate (iv) Copy of LR/RR
(a).	Addressed to: Addl General Manager (Stores) Main Store Building BHEL Jhansi PIN-284120 Telephone . 0510-2412230	Documents to be sent: (i) GST compliance Invoice – Duplicate for Transporter (ii) Challan/Despatch Advice note / Packing List etc. + 1 Photo copy (iii) Test Certificate, Guarantee / Warrantee Certificate (iv) LR/RR Duplicate for Transporter copy (v) O&M Manuals, wherever applicable								
(b)	Addressed to: Dy. General Manager (Finance) Administrative Building BHEL Jhansi PIN-284120	Documents to be sent: (i) GST compliance Invoice – Original for Buyer (ii) Copy of LR/RR (iii) Copy of Test Certificate (iv) PVC Calculation sheet, if any, with supporting documents. (v) MOM with BHEL Customer (if called for in the PO) in case of installation & commissioning at Customer Site (vi) Capitalization Certificate, if called for in the PO								
(c)	Addressed to: Dy. General Manager (MM) Administrative Building BHEL Jhansi PIN-284120	Documents to be sent: (i) GST compliance Invoice – Extra copy / Photo copy (ii) Challan/Despatch Advice note (iii) Test Certificate, Guarantee / Warrantee Certificate (iv) Copy of LR/RR								
B	Foreign Purchase – Imports									
	<p>Seller shall send 1 set of following documents, in English, within 7 days of BL date by courier to the Purchaser</p> <ol style="list-style-type: none"> Original Clean on board Bill of lading. One set of Commercial Invoice, Packing list indicating container-wise Gross weight, net weight, CBM (cubic metre) volume, No. of packages with Dimensions of each package. Original certificate of Country of Origin issued by Chamber of Commerce One set of Original test certificates and O&M manual where called for. Fumigation certificate wherever cargo is packed in wooden packing or packing of Plant origin material is used. <p>In case the Seller decides to negotiate all 3 originals of BL through negotiating Bank, non-negotiable documents (NND) consisting of copy of BL / HAWB & all originals at sl.no. 10-B2 to B5 will be couriered to Purchaser. Soft Copy of documents at sl. 10-B1 to B5 will also be sent by e-mail to the Purchaser at the e-mail address given in the PO. Other documents, as required, will be separately indicated in the Purchase Order. Additional expenditure, if any, incurred by the Purchaser by way of detention / demurrage, resulting out of delay attributable to the Seller in providing negotiable documents, will be recovered from the Seller.</p>									
C	In case of incomplete documentation, the communication shall be provided to supplier. The delays in submission of documentation by the supplier shall be reckoned while releasing payments to the Supplier									
11	Pricing Terms									
	Prices once quoted shall remain firm within the validity or any extension thereof for placement of order, till complete execution of the order, without any escalation/increase for any reason, whatsoever, unless specifically provided for in the Enquiry & PO. In case of foreign vendors, the quoted price shall be taken as inclusive of Third Party Inspection and testing charges as called for in the NIT.									



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 7 of 12

12	Price Validity :
	<p>Unless stated otherwise in the enquiry, offer shall be valid for a period of 120 days from the date of Techno- commercial (Part-I) bid opening date.</p> <p>The prices quoted for spare parts of the main equipment shall be kept valid for a period of 180 days from the date of placement of PO for the main equipment.</p>
13	Taxes & Duties - Indigenous Purchase
A	<p>The Taxes and duties as applicable shall be payable extra which may include GST against Gate pass- The Seller shall clearly indicate extent of taxes as applicable in his techno commercial bid. In the event of vendor failing to furnish valid GST invoices with appropriate HSN Code , amount corresponding to GST will be disallowed by BHEL while making payments.</p> <p>Bidders to ensure applicability of IGST / CGST/SGST based on the Inter / Intrastate movement of goods.</p> <p>GST Registration Number (GSTIN) should be clearly mentioned on the vendor's quotation.</p> <p>Please quote our IGST registration number 09AAACB4146P2ZC in all invoices raised for supply of goods and services under GST regime and also ensure filing of timely return and payment of tax and compliance of other applicable provisions on supplier under GST regime.</p> <p>In the event of any disallowance of input credit or applicability of interest or any other financial liability arises on BHEL- Jhansi due to any default of supplier under GST such implication shall be to supplier's account.</p> <p>GST shall be levied on LD and the relevant tax invoice shall be provided to vendors for availing credit.</p> <p>In case of directly despatchable items to Customer's Site, Supplier to bill to BHEL Jhansi at its GST Account number 09AAACB4146P2ZC and ship to the respective Customer</p> <p>Since, input credit of GST will be available to BHEL-Jhansi only after correct filing of return and payment of applicable GST by supplier, reimbursement of GST shall be made by BHEL-Jhansi on matching of vendor inputs at GST portal and after ensuring availability of input credit to BHEL-Jhansi. Payment of tax shall be done only after availing matching ITC, in all cases where bills are submitted directly to BHEL-Jhansi or through bank or under LC or through any other mode.</p> <p>Other statutory declaration forms are also to be submitted in time, as mentioned in the relevant Laws. BHEL reserves the right to withhold the payment due to the vendor equivalent to BHEL's tax and related liability thereon.</p> <p>In case of any changes in statutory laws w.r.t. taxes and duties, the same shall be applicable at the given point of time.</p>
B	<p><i>Wherever GST is not applicable, the tax and duty structure , as applicable, is to be complied by the seller.</i></p>
14	Taxes & Duties - Foreign Purchase – Imports
A	<p>The offered prices shall be inclusive of all the Taxes and duties as applicable in the country of bidder / country of dispatch for the quoted FCA / CFR/CIF price.</p>
15	Payment Terms-
A	<p>Indigenous: 100 % payment within 90 days (45 days for MSE / NSIC registered suppliers as per relevant act in force) from the date of receipt of material and submission of clear and admissible bill, subject to acceptance of material at BHEL , on direct presentation of the documents..</p> <p>Payments to vendors who are seeking benefits under MSME act shall not be entertained if the Udyog Aadhar Memorandum (UAM) submitted by them is not valid on the date of Purchase Order and date of supply (SRV Date of BHEL) . It is hence in the interest of the vendor that they validate the status of UAM regularly with BHEL.</p> <p>In case of despatch of material to site directly, site certification for receipt of materials is required unless otherwise provided for in the PO. Any deviation from the above payment terms, if accepted (by BHEL), shall be loaded @ SBI base rate(as on date of Part I bid opening) + 6%, for the purpose of bid evaluation.</p>



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 8 of 12

	All documents as called for in the PO have to be submitted by the Supplier at the time of receipt of material and this should include the Invoice of the Supplier - Original copy of the Buyer and Duplicate for Transporter. On receipt of Invoice, the same shall be acknowledged by BHEL. Any clarifications on the bill submitted by the supplier shall be sought generally within 30 days (15 days for MSE / NSIC registered suppliers as per relevant act in force) of receipt of bill at BHEL. While it would be in the interest of the Supplier to provide the reply immediately to the clarifications sought , the Supplier is to respond at least within 7 days from the date of clarifications sought by BHEL. Wherever clarifications are sought by BHEL, the date of receipt of clarifications from the supplier shall be considered as date of submission of clear and admissible bill.						
B	Foreign: 100% against irrevocable, unconfirmed LC, payable within 120 days of the bill of lading (BL) date. In case BHEL considers any deviation in payment terms i.e. early payment based on vendor's request, then bids shall be evaluated with loading of State bank of India Base rate (as on date of Part I bid opening) plus 6%, for the credit period short of 120 days. The LC shall be established 2 month prior to shipment date, valid for period of 120 days, unless agreed otherwise. Payment terms of CAD payable on 120 th day of BL / HAWB date shall be preferred.						
C	While there could be exceptional situations wherein the payment may be delayed beyond the stipulated time mentioned above, it is clarified that BHEL shall not pay any interest on such delays						
D	In case of any disagreement between BHEL and the Supplier on any part of the bill, such part shall be severed from the rest and payment against agreed and admissible part shall be processed as per laid down procedure, while the disputed part shall be dealt as per contract provisions viz. conciliation, dispute resolution, arbitration, etc						
16	Inspection of Goods						
A	The Seller shall give adequate notice, of 1 week or as mutually agreed period, in writing to the Purchaser about the date and place at which the goods will be ready for inspection/ testing, as provided for in the contract.						
B	Purchaser or his authorized representative shall be entitled to carry out inspection of material and workmanship at Seller's premises or at his sub-contractor's premises at all reasonable times during execution of contract; Such inspection, examination and testing, if made, shall not absolve the Seller from his obligations under the contract.						
C	All costs related to inspections and re-inspections shall be borne by the Seller. In case of foreign vendors, the cost of third party inspection, where called for, shall be deemed to be included in the quoted price. Seller shall be responsible to provide assistance such as labour, materials, electricity, fuels, stores, apparatus, instruments at his cost, as may be required and as may be reasonably demanded to carry out such tests effectively.						
D	Undertaking to be provided by Suppliers before despatch : The suppliers , before despatching the jobs, shall provide an undertaking on their letterhead, that the jobs have been made as per BHEL Specification / Drawings, that the test results meet the specified parameters of the drawing / specification, that the supplies have been inspected as per Quality Plan (if called for in the Purchase Order), that on receipt of supplies at BHEL, Jhansi; BHEL reserves the right to reject any supplies which are non compliant, that in case the material is accepted with deviationst wherever rectifications / rework is observed, that the Supplier shall be given seven days notice to attend to the work and if the Supplier does not attend the rectifications in the said period, BHEL shall reserve the right for suitable deductions. Despatch clearance shall be given when the Supplier provides the above undertaking (as per Annexure I) to BHEL						
E	Uploading despatch information on BHEL SIP The supplier has to upload despatch information details by logging in at ' Supplier Information Portal ' of BHEL Jhansi website using their User name (Vendor Code) and Password. Subsequently, the supplier has to click at the link' Update Consignment details ' provided therein.Submitting ' Despatch Intimation ' is mandatory . All supplies arriving (reaching BHEL Jhansi) will be allowed inside CISF Material gate of BHEL Jhansi only if the supplier has submitted online Despatch Intimation. The following documents are necessary before entry of material at our Material Gate:						
	<table border="1"> <tr> <td>1</td> <td>GST Invoice OR Delivery Challan (as per rule 55) OR Bill of entry for imports OR Excise Duty Invoice for Petroleum supplies</td> </tr> <tr> <td>2</td> <td>Lorry Receipt (LR) OR Railway Receipt (RR) OR Door Delivery (Courier Docket..).</td> </tr> <tr> <td>3</td> <td>'Despatch Intimation' (Printout required).</td> </tr> </table>	1	GST Invoice OR Delivery Challan (as per rule 55) OR Bill of entry for imports OR Excise Duty Invoice for Petroleum supplies	2	Lorry Receipt (LR) OR Railway Receipt (RR) OR Door Delivery (Courier Docket..).	3	'Despatch Intimation' (Printout required).
1	GST Invoice OR Delivery Challan (as per rule 55) OR Bill of entry for imports OR Excise Duty Invoice for Petroleum supplies						
2	Lorry Receipt (LR) OR Railway Receipt (RR) OR Door Delivery (Courier Docket..).						
3	'Despatch Intimation' (Printout required).						



The following documents are additionally required for **SRV clearance** if they are called for in the Purchase Order (PO):

4	Complete Test certificates/Inspection reports
5	Guarantee certificates
6	Any other document as called for

Following may be required for **SRV preparation** depending on the nature of material being supplied:

7	Packing lists, wherever applicable.
8	Weighment slip.

A cost of one percent of the transaction value (not more than Rs 5000 per transaction but not less than Rs 500 per transaction) shall be deducted from supplier bills in case supplier has failed to upload the despatch information on Supplier Information Portal

E Material despatched one month prior to the date of despatch shall not be permitted inside BHEL, unless there are instructions otherwise from BHEL. In all such cases, material will be allowed inside only if approved by Head MM

Material despatched 10 weeks after date of despatch shall not be permitted inside BHEL, unless there are instructions otherwise from BHEL. In all such cases, material will be allowed inside only if approved by Head MM

17 Warranty , Corresponding Repairs / Replacement of Goods, and Deductions

Goods shall comply with the specifications for material, workmanship and performance.

The warranty shall be for a period of 24 months from the date of receipt at BHEL, Jhansi

However, **wherever erection & commissioning also is in the scope of the bidder**, the warranty shall be for a period of 24 months from the date of supply or 18 months from the date of commissioning, whichever is later.

In case any other terms are to be specified for warranty, the same shall be specified in the specific enquiry

A Normally deviation shall not be accepted for the criteria of warranty period. The offers of bidders, who offer deviation to the warranty terms mentioned in the NIT, are liable to be rejected.

If the item supplied is found non-compliant during the warranty period, leading to rejection, the Seller shall arrange free replacement / repair of goods, within one month from the date of intimation or any mutually agreed period. The rejected goods shall be taken away by the Seller at his cost and replaced on Delivered Duty Paid (DDP) (FOR - BHEL Stores/ designated destination basis) within such period. In the event of the Seller's failure to comply, Purchaser may take action as appropriate, including Repair / Replenish rejected goods & disposal of rejections, at the risk & cost of the Seller.

In case the defects attributable to Seller are detected during processing of the goods at purchaser's/ his subcontractor's works, the Seller shall be responsible for free replacement/ repair of the goods as required by the purchaser.

18 Evaluation and Loading Criteria:

Evaluation of the tender shall be on the basis of delivered cost, i.e. 'total cost to BHEL' w.r.t the finalized technical scope and commercial conditions (after considering, inter alia, Customs Duty and CENVAT/ VAT/ CST/Service Tax/Entry Tax or any other tax as applicable). Exchange rate (TT selling rate of State Bank of India) applicable on the date of Part-I bid opening shall be considered for evaluation of foreign bids. If the relevant day happens to be a bank holiday in India, then the FOREX rate as on the previous bank working day shall be taken for evaluation.

Foreign suppliers shall ensure that the benefits as applicable under Free Trade Agreement (FTA) with Government of India are disclosed in the bid & relevant documents such as Certificate of Country of Origin, issued by the appropriate authority in the country of Export, is provided by the vendor along with dispatch documents. Bids shall be evaluated with such applicable benefits. In the event of Seller failing to provide appropriate documents for Purchaser to avail disclosed



JHS 2055A R03

GENERAL TERMS AND CONDITIONS OF ENQUIRY

Page 10 of 12

	<p>concessional duty benefits in India, the cost incurred owing to consequent delays, detention and demurrage thereof, will be to the Seller's account.</p> <p>To arrive at the Delivered Cost, the quoted price shall be suitably loaded, the details of which are mentioned in this annexure / special remarks of the enquiry. In case of any additional techno commercial deviations, for which the loading criterion is required to be framed after opening of techno commercial bid, such criteria shall be communicated to all qualified bidders before price bid opening.</p>
19	Non-Disclosure Agreement
	<p>All Drawing and technical documents relating to the product or its manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others. <u><i>BHEL reserves the right to claim damages from the bidder, or take appropriate penal action as deemed fit against the bidder, for any infringement of the provisions contained herein.</i></u></p>
20	RIGHT OF REJECTION /NON- PLACEMENT OF PO/ SHORTCLOSURE OF PO: BHEL reserves the right to accept the offers in part or in full, or cancel the Tender enquiry without assigning any reason whatsoever / non placement of PO or contract / short closure of PO or contract.
21	Performance Bank Guarantee (PBG)/ Security Deposit (SD):
A	Bank Guarantee wherever called for, shall be in the BHEL prescribed format. In case the order is to be placed in foreign currency, the BG must normally be in Indian Currency from the Consortium Banks of BHEL / as specified in the specific Enquiry
B	Wherever the contract is for supply of Goods processed on labour basis from BHEL supplied materials, the materials shall be issued against a suitable security, preferably Bank guarantee.
22	Benefits earmarked for Purchase from Micro & Small Enterprises (MSEs) – Indigenous Purchase
A	MSE suppliers who are registered by bodies like MSMED, NSIC & DIC specified by Ministry of Micro, Small and Medium Enterprises (MoMSME) can avail the intended benefits only if they submit along with the offer, relevant documents including valid certificate as mentioned in " Format for Supplier MSME Status' on Supplier Information Portal of BHEL, Jhansi. In case the valid MSE registration of the bidder is already updated in SDC records of BHEL, Jhansi, it may not submit the details again. It is hence in the interest of the supplier that they validate the status of UAM regularly with BHEL, if they would like to avail intended benefits under MSME Act.
B	Tenders to MSE suppliers shall be issued free of cost & no EMD wherever called for will be insisted upon. Such MSE bidders shall submit along with bid, relevant documents including valid certificate. Date to be reckoned for determining the deemed validity will be the date of bid opening (Part I in case of two part bid). Non- submission of such document will lead to consideration of their bid, at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted Officer.
C	In tender, participating MSEs quoting price within price band of L1 (on total cost to BHEL) +15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply up to 20% of total tendered quantity. In case of more than one such MSE within price band of L1 (on total cost to BHEL) +15%, the supply shall be shared proportionately (to tendered quantity, as per their tender ranking of the bidders and also their SC/ST status). However if there are more than one MSE vendor at the same price level, then the quantity shall be distributed equally. A quantum of 4% out of 20% quantity, so earmarked, will be reserved for MSE's owned by SC / ST entrepreneurs who submit their bid with relevant documents. However, such distribution shall be subject to the tender requirement in terms of Customer approval of vendors, divisibility of quantity, etc. While all efforts shall be made to ensure compliance to the stated distribution, the decision of BHEL in distribution stated in this clause shall be binding on all bidders.

	The above distribution is not applicable (a) where L1 vendor is MSE vendor and minimum 20% share is assured to the L1 bidder in the tender, or (b) where the MSE bidders qualified for distribution as per 'manner of splitting' clause in NIT already cater to 20% share in the tendered load.
D	In case it comes to notice that the bidder is found responsible for misconducts like, having submitted fake/false/forged documents/ certificates, has misrepresented the facts, has wilfully suppressed the facts, has resorted to unethical/ illegal means, etc., action shall be initiated against such bidders as per the extant guidelines of the Company for suspension of business dealings.
23	Benefits earmarked to suppliers for Purchase under 'MAKE IN INDIA'
	As part of minimizing import content, Government of India, vide order no P-45021/2/2017-B.E.-II dated 15.06.2017, under the subject – Public Procurement (Preference to Make in India) -- has set the initiatives to encourage and promote indigenously manufactured goods within India and services provided by sources within India. . In line with this, bidders who manufacture the goods and provide services within India (otherwise referred as local suppliers) are given purchase preference and are entitled to benefits in the tender
A	Definitions
(i)	Local content means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value , in percent . Presently, the minimum local content required is 50%. The nodal ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculation of local content.
(ii)	Local supplier means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed
(iii)	Margin of Purchase Preference means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference. Presently the margin of Purchase preference is 20%.
B	Conditions under which preference is given
(i)	In procurement of goods in respect of which the Nodal ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods is more than Rs 50 lakhs, provisions of 23(B) (ii) and 23(B)(iii) shall apply.
(ii)	If the procurement of goods are not covered by 23(B)(i) and are divisible in nature, the following procedure shall be followed :
a	If L1 is a local supplier, the order for full quantity shall be awarded to local supplier
b	If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, shall be invited to match the L1 price for the remaining 50% quantity , subject to the local supplier's quoted price falling within the margin of purchase preference, and the order for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and the order shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.
iii	If the procurement of goods are not covered by 23(B)(ii) and are not divisible in nature, and in procurement of services where the bid is evaluated on the price alone, the following procedure shall be followed :
a	If L1 is a local supplier, the order shall be awarded to local supplier
b	If L1 bid is not from a local supplier, then the lowest bidder among the local suppliers, will be invited to match the L1 price, subject to the local supplier's quoted price falling within the margin of purchase preference, and the order shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on, and the order shall be awarded accordingly. In case none of the local suppliers within the margin of preference match the L1 price, then the order may be awarded to the L1 bidder.
C	Exemption of small purchases
	Notwithstanding anything contained at clause 23B above, procurements where the estimated value of procurement is less than Rs 5 lakhs are exempt and purchase preference shall not be accorded in such cases.

D	Verification of local content
(i)	The local supplier, at the time of tender, bidding or solicitation, shall be required to provide self certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
(ii)	In cases of procurement for a value in excess of Rs 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
(iii)	False declarations shall be in breach of code of integrity and shall invite action as per guidelines for Suspension of Business dealings with Suppliers
E	In case of any disputes / clarifications, the extant guidelines of Government of India shall prevail.
24	Fraud Prevention
	The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice
25	Settlement of Disputes & Arbitration
A	All questions/interpretations regarding subject matter of the Contract shall be decided by the Purchaser on the request of the Seller and the decision of the Purchaser shall be final.
B	In case of dispute, steps shall be taken by the parties to the contract to settle the same through negotiations.
C	In case, dispute is not settled in negotiations, it shall be referred to Conciliator appointed by the competent authority of the Purchaser.
D	In case dispute is not settled in conciliation proceedings, the same shall be referred to Arbitration as per Corporate Guidelines of the Purchaser and the arbitration proceeding shall be conducted as per provisions of the Arbitration and Conciliation Act, 1996 read with Corporate guideline as amended from time to time.
E	The Seller shall continue to perform the contract, pending settlement of dispute(s).
26	Applicable Laws and Jurisdiction of Courts
	Indian laws both substantive and procedural, for the time being in force, including modifications thereto, shall govern the Contract including Arbitration proceedings. The competent Courts at Jhansi in the State of Uttar Pradesh, India shall have sole jurisdiction.
27	Conciliation
	BHEL and bidder agree that if at any time (whether before, during or after the arbitral or judicial proceedings), any Disputes (which term shall mean and include any dispute, difference, question or disagreement arising in connection with construction, meaning, operation, effect, interpretation or breach of the terms and conditions of order, which the Parties are unable to settle mutually), arise inter-se the Parties, the same may, be referred by either party to Conciliation to be conducted through Independent Experts Committee to be appointed by competent authority of BHEL from the BHEL Panel of Conciliators.
	Notes:
	1. No serving or a retired employee of BHEL/Administrative Ministry of BHEL shall be included in the BHEL Panel of Conciliators.
	2. Any other person(s) can be appointed as Conciliator(s) who is/are mutually agreeable to both the parties from outside the BHEL Panel of Conciliators.
	The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof. The details of Conciliations shall be governed by the BHEL Conciliation scheme 2018.
28	General
	The Bidder shall keep a track of any changes by visiting the Supplier Information Portal of BHEL, Jhansi at https://www.bheljhs.co.in/apps/sip/index.php

Treatment of cases regarding conflict of interest:

The bidder notes that a conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations:

- i. If its personnel have a close personal, financial, or business relationship with any personnel of BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly;
- ii. The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;
- iii. Procurement of goods directly from the manufacturers/ suppliers shall be preferred. However, if the OEM/ Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorised distributor (with/ or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- iv. A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV.

The Bidder declares that they have read and understood the above aspects, and the bidder confirms that such conflict of interest does not exist and undertakes that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s), in this regard. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. **In case, the Bidder is found having indulged in above activities, the same will be considered as a violation of the tender conditions, and suitable action shall be taken by BHEL as per extant policies/ guidelines.**



**PLANT PURCHASE SPECIFICATION
JHANSI**

PURCHASE SPECIFICATION
No. JS 28599

Rev. No. 02

Page 1 of 4

**शीर्षक : PVC INSULATED MULTI-CORE UNTINNED
TITLE : COPPER CABLE (Grade 1100 Volt)**

1. GENERAL:

This specification governs the quality of PVC insulated multi-core cable made of annealed plain (untinned) stranded copper wires, cores colour coded, bedded armour with single layer of galvanized round steel wire and overall PVC sheathed for use on A.C. earthed or unearthed systems for rated voltages upto and including 1100 Volts.

2. APPLICATION: Used for transformers & other electrical equipments.

3. COMPLIANCE WITH NATIONAL STANDARDS:

This specification is generally based on IS: 1554 (Part.1)-1988 Reaffirmed 2005 with Type-A, "General Purpose insulation" and Type ST 1 "General purpose sheath for 70 deg.c operation" together with armouring

4. SIZES : No. of cores and the size of cable shall be as stated on order.

4.1 No. of cores : 2,3,4,5,7,10,12 & 19.

However any other No.of cores in line with Table 3 of IS: 1554 (Part.1) can also be ordered.

4.2 Nominal cross section area of conductor: 2.5 mm² or 4mm² (as stated on order.)

5. CONDUCTOR :

The conductor shall consist of untinned annealed high conductivity copper wires with electrical and mechanical properties in accordance with class 2 of IS: 8130.

1. For 2.5 mm² cross section area, seven parallel conductors (Strands)

Resistance of the conductor at 20 °C. shall not exceed 7.41 Ohm/km.

2. For 4mm² cross section area, seven parallel conductors

Resistance the conductor at 20°C shall not exceed 4.61 Ohm/km.

6. INSULATION:

6.1 Type of insulation:

The insulation provided shall be Polyvinyl Chloride Compound conforming to type-'A' compound, (General purpose insulation at 70°C operation) of 15:5831

6.2 Thickness of insulation:

The radial thickness of insulation (t_1) shall be in accordance with Table-2 of IS 1554 (Part-1).

पुनः Rev.
02

दिनांक: Date
18/03/24

Clause 14 in sheet. no. 4 corrected.

PAWAN KUMAR

Pawan

**STANDARD SECTION
issued by: TRE, JHANSI**

पुनः Rev.
01

दिनांक: Date
15/02/24

To add 4mm² cable conductors in spec.

V K S BHADOURIA

Date of
1st issue

24/01/2024

Prepared

PAVAN KUMAR

Approved

V K S BHADOURIA

This information on this document is the property of BHEL Jhansi. it must not be used directly or indirectly in any way detrimental to the interest of the company.

REF. - BP 28575



**PLANT PURCHASE SPECIFICATION
JHANSI**

PURCHASE SPECIFICATION
No. JS 28599
Rev. No. 02
Page 2 of 4

**शीर्षक : PVC INSULATED MULTI-CORE UNTINNED
TITLE : COPPER CABLE (Grade 1100 Volt)**

6.3 Tolerance on thickness of insulation:

The thickness at one place may be less than the value specified provided that the difference does not exceed 0.1 mm 10% of the nominal value (t_1 in mm) specified.

6.4 Application of insulation:

The insulation shall be applied by extrusion method in such a way that it fits closely on the conductor and it shall be possible to remove it easily without damage to the conductor.

7. METHOD OF TEST:

As per relevant parts of IS:10810.

8. CORE IDENTIFICATION:

Cores of cable shall be identified by different colouring of PVC Insulation/numbers as per Cl.10 of IS:1554(Part-1).

9. LAYING OF CORES :

The laying up of cores shall be in accordance with Table-3 of IS:1554 (Pt.1)

10. SHEATH AND ARMOURING :

10.1 The sheath shall be as per type ST1 of IS:5831.

10.2 Inner sheath, armouring and outer sheath of the multicore cable shall be in accordance with Cl.12, 13 and 14 of IS: 1554 (Part.1)-1988 Reaffirmed 2005 respectively. Armouring shall consist of galvanized steel wire to IS:3975-1999 Reaffirmed 2004.

11. ELECTRICAL TESTS:

11.1 General :

Unless otherwise specified tests shall be made with alternating voltage, of approximately sine wave form having a frequency in the range of 50-60 Hz and the r.m.s. values given.

11.2 High voltage test (Cl 16 of IS:1554-Part.1)

11.2.1 At room temp.

The cable when tested at room temperature shall be able to withstand an A.C. Voltage of 3 kV (rms) or a DC voltage of 7.2 kV. The Duration of test shall be 5 minutes for each connection.

पुनः Rev.

दिनांक: Date

**STANDARD SECTION
issued by: TRE, JHANSI**

Date of
1st issue
24/01/2024

Prepared
PAVAN KUMAR

Approved
V K S BHADOURIA

REF. - BP 28575



**PLANT PURCHASE SPECIFICATION
JHANSI**

PURCHASE SPECIFICATION
No. JS 28599

Rev. No. 02

Page 3 of 4

**शीर्षक : PVC INSULATED MULTI-CORE UNTINNED
TITLE : COPPER CABLE (Grade 1100 Volt)**

11.2.2 After water immersion (Type Test) :

The core (s) shall be carefully removed from a sample approximately 3 metre long from the finished cable. The cores shall be so immersed in water bath at $60 \pm 3^\circ\text{C}$ that their ends protrude at least 200 mm above the water level. After 24 ± 1 hours a voltage of 3 kV (rms) shall be applied between the conductor and water. This voltage shall be raised to 6 kV (rms) within 10 seconds and held constant at this value for 5 minutes. If the sample fails in this test one more sample shall be subjected to this test. There shall be no failure in the repeat test.

11.3 11.3 Insulation resistance:(IS:5831)

Insulation resistance test shall be carried out as per IS:5831 at 500 Volt D.C. The value of volume resistivity when calculated from the measured insulation resistance value shall not be less than 1.0×10^{13} ohm-cm at 27°C and 1.0×10^{10} ohm-cm. at 70°C .

12. FLAMMABILITY TEST :

Period of burning after removal of flame shall not exceed 60 seconds & the ineffect (uncharred) portion from the lower edge of the top clamp shall be at least 50 mm.

13. COLD BEND TEST :

Test shall be carried out on individual cores after removal from the cable as per IS 10810 Part 20 except that the temperature of test shall be -10°C .

The samples when examined while still on the madrel, shall show no signs of cracks or scale visible to the naked eye.

COPYRIGHT AND CONFIDENTIAL

This information on this document is the property of BHEL Jhansi. it must not be used directly or indirectly in any way detrimental to the interest of the company.

पुनः Rev.

दिनांक: Date

**STANDARD SECTION
issued by: TRE, JHANSI**

Date of
1st issue
24/01/2024

Prepared
PAVAN KUMAR

Approved
V K S BHADOURIA

This information on this document is the property of BHEL Jhansi. it must not be used directly or indirectly in any way detrimental to the interest of the company.

REF. - BP 28575



**PLANT PURCHASE SPECIFICATION
JHANSI**

PURCHASE SPECIFICATION No. JS 28599
Rev. No. 02
Page 4 of 4

**शीर्षक : PVC INSULATED MULTI-CORE UNTINNED
TITLE : COPPER CABLE (Grade 1100 Volt)**

14. TEST CERTIFICATE:

Unless otherwise specified, three copies of test certificates shall be supplied with each consignment.

In addition, the supplier shall ensure to enclose one copy of the test certificate alongwith their despatch document to facilitate quick clearance of the material

The test certificate shall bear the following information

JS 28599: PVC Insulated Multi-Core Untinned Copper Cables (Grade 1100 Volt)
Rev.02

BHEL Order No.

Supplier's Name.

Size & Length of Cable.

Batch/Lot No.

Test results obtained for all the properties (including dimensional tolerances) as per the specification.

15. IDENTIFICATION OF CABLE :

'BHEL shall be marked on every metre on the outer sheath of the entire length of cable either by indentation or embossing in addition to manufacturer's name, brand name or trade mark if any.

16. PACKING AND MARKING :

The cables shall be either wound on reels, drums or supplied in packed coils. Each drum or reel should be marked with the following information:

JS 28599: PVC Insulated Multi-Core Untinned Copper Cables. (Grade 1100 Volt)

BHEL Order No.

Manufacturer's/Supplier's Name.

Size (No. of Cores & Area of Cross Section).

Length.

Weight

Batch/Lot No.

पुनः Rev.

दिनांक: Date

**STANDARD SECTION
issued by: TRE, JHANSI**

Date of
1st issue
24/01/2024

Prepared
PAVAN KUMAR

Approved
V K S BHADOURIA



Form no.2038

उत्पाद मानक
परिणामित्रPRODUCT STANDARD
TRANSFORMER

TR 24157 C

शाय / अभि. निर्देश SHOP/DO INSTRUCTION

2 पृष्ठों में 1 PAGE 1 OF 2

**शीर्षक : SPECIFICATION OF PVC INSULATED MULTICORE AND ARMOURED
TITLE : COPPER CABLE WITH F.R.L.S. PROPERTIES (GARDE 1100 VOLTS)****1. GENERAL**

CABLE AS PER BELOW TABLE SHALL GENERALLY CONFORM TO SPEC JS 28599 REV 01 AND IS 1554 Pt.1 (1988) WITH ADDITIONAL REQUIREMENT OF FLAME RETARDANT LOW SMOKE (FRLS) PROPERTIES (BY USING SPECIAL PVC COMPOUND) AND EACH CORE HAVING SEVEN PARALLEL CONDUCTORS OF DIA AS UNDER.

IT. NO.	DESCRIPTION	STYLE NO.
1.	2C X 4mm ² FRLS CU CABLE	JS 900627266
2.	3C X 4mm ² FRLS CU CABLE	JS 900627267
3.	4C X 4mm ² FRLS CU CABLE	JS 900627268
4.	2C X 2.5mm ² FRLS CU CABLE	
5.	3C X 2.5mm ² FRLS CU CABLE	
6.	4C X 2.5mm ² FRLS CU CABLE	
7.	12C X 1.5mm ² FRLS CU CABLE	JS 9006281920

2. TESTING

FOLLOWING TEST SHALL BE CARRIED OUT ON MATERIALS USED AND ON FINISHED CABLES

- CONDUCTOR : CONDUCTOR SHALL CONSIST OF UNTINNED ANNEALED HIGH CONDUCTIVITY COPPER WIRES WITH ELECTRICAL & MECHANICAL PROPERTIES IN ACCORDANCE WITH IS 8130 (1984).
- INSULATION & SHEATH MATERIAL : ALL TYPE AND ROUTINE TESTS AS PER IS 5831 (1984)
- FINISHED CABLE : ALL TYPE AND ROUTINE TESTS AS PER JS 28599 REV. 01 & IS 1554 PT.1 (1988)
- IN ADDITION TO ABOVE, TESTS MENTIONED BELOW BE CARRIED OUT TO PROVE FRLS PROPERTIES OF THE CABLE.

TEST	FUNCTION OF TEST	SPECIFICATION	SPECIFIED VALUE
(a) CRITICAL OXYGEN INDEX	TO DETERMINE PERCENTAGE OF OXYGEN REQUIRED FOR SUPPORTING COMBUSTION AT ROOM TEMPERATURE OF SHEATHING MATERIAL	ASTM-D 2863-1974	OXYGEN INDEX MIN 29
(b) TEMP INDEX	TO DETERMINE AT WHAT TEMPERATURE NORMAL OXYGEN CONTENT OF 21% IN AIR WILL SUPPORT COMBUSTION OF SHEATHING MATERIAL.	ASTM-D 2883-1974	MIN TEMPERATURE INDEX 250°C

REF.

COMP. DRG.

COPYRIGHT AND CONFIDENTIAL

used directly or indirectly in any way is detrimental to the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company

TR 24157 C

PAGE 1 OF 1

पुनः Rev. 02 दिनांक: Date 15/02/24	TO REMOVE CONDUCTOR DIA FOR SPEC. V K S BHADOURIA	विवरण DISTRIBUTION	सां. स्वीकृत किया : APPROVED : SANJAY PANKAJ
पुनः Rev. 01 दिनांक: Date 21/02/18	IN TABLE IT.NO.07 ADDED.	TRE DO TRP CQX BAY-0 D.V. BAY-9 D.V.	जारी किया : ISSUED : टीआरई मानक : TRE STD. : तैयार किया: PREPD. : SD
पुनः Rev. दिनांक: Date			दिनांक: DATE: 05/12/16

