



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: **E18260002 09/07/26**
 REV NO/DT: **0 09/07/26**

PAGE

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

Enq Due on: 31-07-26 FRIDAY

Close at: 13:15 Open at: 14:00

Matcat: 181004 RIP BUSHING

Validity: 120 days from Technical bid opening date

IEM:

TOP: See Special Remarks

RA: RA not applicable

Est. Value: Item wise

Bid Type: TWO BID

Tot Item: 11

Delivery: FOR Jhansi

E-Proc: NO

REQUIRED: TEST CERT/ SEE REMARKS

ITEM NO : 1
 MATL CODE : TR173702A668
 DESTINATION: JS

PSL QTY/UM: 113.00 NO
 PO QTY /UM: 113.00 NO

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
245 KV, 2000 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.	JUN-26	113.00

ITEM NO : 2
 MATL CODE : TR173702A669
 DESTINATION: JS

PSL QTY/UM: 29.00 NO
 PO QTY /UM: 29.00 NO

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
145 KV, 1250 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.	JUN-26	29.00

ITEM NO : 3
 MATL CODE : TR173702A670
 DESTINATION: JS

PSL QTY/UM: 42.00 NO
 PO QTY /UM: 42.00 NO

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
145 KV, 2000 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.	JUN-26	42.00

ITEM NO : 4
 MATL CODE : TR173702A671
 DESTINATION: JS

PSL QTY/UM: 28.00 NO
 PO QTY /UM: 28.00 NO

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
52 KV 3150 AMPS 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.	JUN-26	28.00

ITEM NO : 5
 MATL CODE : TR173702A672
 DESTINATION: JS

PSL QTY/UM: 99.00 NO
 PO QTY /UM: 99.00 NO

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
420 KV, 1250 AMPS. 600 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'B'.	JUN-26	99.00

ITEM NO : 6
 MATL CODE : TR173702A673
 DESTINATION: JS

PSL QTY/UM: 101.00 NO
 PO QTY /UM: 101.00 NO

DESCRIPTION	QUANTITY (PSL UM)
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420 KV, 2000 AMPS. 600 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'B'.	DELIVERY JUN-26	101.00
ITEM NO : 7 MATL CODE : TR173702A674 DESTINATION: JS	PSL QTY/UM: 60.00 NO PO QTY /UM: 60.00 NO	
DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
420 KV, 1250 AMPS. 400 CT LENGTH SOLID STEM, RIP/RIS BUSHING AS PER ATTACHED ANNEXURE-'D'.	JUN-26	60.00
ITEM NO : 8 MATL CODE : TR173702A675 DESTINATION: JS	PSL QTY/UM: 140.00 NO PO QTY /UM: 140.00 NO	
DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
420 KV, 1250 AMPS. 600 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'E'.	JUN-26	140.00
ITEM NO : 9 MATL CODE : TR173702A676 DESTINATION: JS	PSL QTY/UM: 39.00 NO PO QTY /UM: 39.00 NO	
DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
245 KV, 1250 AMPS. 300 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'C'.	JUN-26	39.00
ITEM NO : 10 MATL CODE : TR173702A677 DESTINATION: JS	PSL QTY/UM: 12.00 NO PO QTY /UM: 12.00 NO	
DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
145 KV, 1250 AMPS. 300 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'C'.	JUN-26	12.00
ITEM NO : 11 MATL CODE : TR173702A678 DESTINATION: JS	PSL QTY/UM: 45.00 NO PO QTY /UM: 45.00 NO	
DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
800 KV 2500A 600CT OIP BUSHING AS PER ATTACHED ANNEXURE-'F'.	JUN-26	45.00
SPECIAL REMARKS: 1. GLOBAL TENDER ENQUIRY IS BEING FLOATED IN "TWO BID " SYSTEMS FOR FINALIZATION OF RATE CONTRACT FOR BUSHINGS. THE VALIDITY OF RATE CONTRACT(RC) WILL BE TWO YEARS FOR ORDERING FROM DATE OF AWARD OF RATE CONTRACT. PLEASE SUBMIT YOUR OFFER IN TWO SEPARATE ENVELOPES AS PER DETAILS GIVEN BELOW: - IN ENVELOPE "A" SHOULD CONTAIN YOUR TECHNO -		



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- COMMERCIAL OFFER ALONGWITH BLANK PRICE BID I.E. PRICE BID WITH RATES BLANK. PLEASE INDICATE CLEARLY ON THE COVER OF ENVELOPE "TECHNO - COMMERCIAL OFFER" AND ENQUIRY NO. WITH ENQUIRY DUE DATE. PLEASE ENSURE BLANK PRICE BID IS WITHOUT RATES OTHERWISE OFFER WILL BE BY-PASSED. - IN ENVELOPE "B" SHOULD CONTAIN PRICE BID ONLY AND INDICATE CLEARLY ON THE COVER OF ENVELOPE "PRICE BID" AND ENQUIRY NO. - ENVELOPE A + B SHOULD BE SENT IN SEPERATE SEALED ENVELOPE ON WHICH ENQUIRY NO. AND DUE DATE IS TO BE MENTIONED ON COVER.
2. PLEASE SEND THE TECHNICAL BID (PART A) & PRICE BID (PART-B) AS PER ENCLOSED ANNEXURES ONLY. ANY DEVIATIONS SHALL BE CLEARLY MENTIONED IN THE TECHNICAL BID ITSELF. DEVIATION SHEETS CAN BE ATTACHED SEPARATELY
 3. PLEASE GO THROUGH SCHEDULE I TO VII AND GTC JHS2055A REV 04 OF NIT AND QUOTE ACCORDINGLY.
 - ALL TECHNO COMMERCIAL DOCUMENTS INCLUDING PQRS, TENDER DOCUMENTS, TECHNO COMMERCIAL MANDATORY SHEETS, TECHNICAL SPEC TO BE SUBMITTED (DULY SIGNED AND COMPANY SEALED) WITH TECHNO COMMERCIAL BID.
 4. ALL TENDER TERMS AND CONDITIONS SHALL STRICTLY BE ADHERED.
 5. INTRIGITY PACT ARE TO BE SUBMITTED ALONGWITH BID PART-I DULY SIGNED WITH COMPANY SEAL.
 6. PRICE TO BE QUOTED ON FIRM BASIS AND NO PVC IS APPLICABLE. PLEASE QUOTE WITH FIRM RATES OTHERWISE OFFER WILL BE BY-PASSED.
 7. RC MAY BE FINALIZED ON TWO SOURCES FOR SMOOTH SUPPLY WITH SPLITTING BETWEEN L1 & L2 IN THE RATIO OF (65:35) APPROX BUT IN THE MULTIPLE OF THREE (FOR EXAMPLE: 20NOS SPLIT TO 12+8, 21NOS SPLIT TO 12+9, 30NOS SPLIT TO 18+12 ETC). QUANTITY DISTRIBUTION SHALL HOWEVER ALSO BE SUBJECT TO CAPACITY COMMITTED TO BHEL, ACCEPTANCE OF THE RATES/TERMS & CONDITIONS ESTABLISHED WITH L-1 BIDDERS ETC.
 8. GUARANTEE AND TEST CERTIFICATE IS REQUIRED IN TRIPPLICATE ALONGWITH EACH SUPPLY.
 9. THE BIDDER IS INFORMED THAT THE GENERAL TERMS & CONDITIONS JHS2055A REV 04 OF ENQUIRY WHICH ARE ATTACHED WITH THE TENDER AND UPLOADED AT https://jhs.bhel.com/apps/sip/enq_terms/JHS2055A_Rev_04.pdf. ARE TO BE READ BY THE BIDDER BEFORE SUBMITTING QUOTE IN THE ENQUIRY. BHEL SHALL CONSTRUE THE PARTICIPATION BY THE BIDDER IN THE ENQUIRY AS ACCEPTANCE TO THE GENERAL TERMS& CONDITIONS OF ENQUIRY.
 10. DELIVERY TERMS: RATES TO BE QUOTED INCLUDING FREIGHT, INSURANCE, PACKING, FORWARDING ETC.
 - a) Terms of delivery (for indigenous bidders): on F.O.R BHEL Jhansi basis for enquiry items 1,2,3,4,5,6,9 ,10 and on F.O.R. BHEL Bhopal basis for enquiry items 7,8 ,11.
 - b). Terms of delivery (For Foreign bidders): on CIF basis.
 11. CONTROL OF RC BY VALUE: RC SHALL BE CONTROLLED BY VALUE OF RC ENTERED INTO WITH A VENDOR. ITEM WISE QUANTITY REQUIREMENT IS TENTATIVE ESTIMATED AND ORDERING OF ITEMS CAN VARY TO ANY EXTANT WITHIN THE VALUE OF RC ENTERED INTO WITH A VENDOR LIMITED TO +/-30%.
 12. PRE-DISPATCH /SOURCE INSPECTION/ THIRD PARTY INSPECTION MAY BE CARRIED OUT AT VENDOR WORKS AS PER PRACTICE IN VOGUE OR CUSTOMER REQUIREMENT. HOWEVER, VENDOR SHALL MAINTAIN ALL RECORDS OF INPUT MATERIALS AND FINISHED BUSHINGS THEREBY ESTABLISHING TRACEABILITY. BHEL MAY CONDUCT QUALITY AUDIT AT SUPPLIER WORKS FOR ENSURING IMPLEMENTATION OF QUALITY SYSTEM. VENDOR SHALL CARRY OUT ALL THE ELECTRICAL & MECHANICAL TESTS AS CALLED FOR IN THE SPECIFICATIONS AND SUBMIT TEST CERTIFICATES FOR EACH LOT OF DISPATCH. BHEL QA PLAN AND / OR CUSTOMER APPROVED QA PLAN TO BE FOLLOWED STRICTLY (INSPECTION BY BHEL/BHEL NOMINATED AGENCY/CUSTOMER AT EITHER JHANSI/BHOPAL OR AT SUPPLIER WORKS SHALL BE APPLICABLE AS PER CUSTOMER/ BHEL APPLICABLE QUALITY PLAN (QP) REQUIREMENT). TEST CERTIFICATE AND GUARANTEE CERTIFICATE SHALL BE SUPPLIED WITH EACH LOT OF SUPPLY.
 13. EVALUTION SHALL BE ON ITEM WISE BASIS. ORDERING ON SPECIFIC VENDOR WILL BE CONTROLLED BY TOTAL VALUE OF AWARD TO THEM & NOT BY QUANTITY OF BUSHING.



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14. DELIVERY MENTIONED IS TENTATIVE AND ACUTAL DELIVERIES WILL BE GIVEN IN ORDERS DERIVED FROM THIS R/C.
15. TYPE TEST CERTIFICATE NOT OLDER THAN 10 YEARS IS REQUIRED ALONGWITH OFFER. TYPE TEST REPORT FOR EACH ITEM IS REQUIRED. I.E TYPE TEST REPORTS TO BE PROVIDED ITEM WISE.
16. NO TENDER FEES SHALL BE APPLICABLE.
17. LOADING SHALL BE APPLICABLE FOR NON-ACCEPTANCE OF NIT TERMS AND CONDITIONS.
18. IN CASE OF INSPECTION AT VENDOR WORKS BY TPI/BHEL/CUSTOMER, SUPPLIER HAS TO PROVIDE 15 DAYS (INDIAN SUPPLIER)/ 45 DAYS (FOREIGN SUPPLIER) ADVANCE INTIMATION FOR INSPECTOR DEPUTATION ON VENDOR WORKS. FURTHER DISPATCH CLEARANCE WILL BE GIVEN WITHIN 4 DAYS (INDIAN SUPPLIER)/ 7 DAYS (FOREIGN SUPPLIER) OF SUBMISSION OF REPORT TO BHEL /CUSTOMER. VENDOR TO TAKE CARE OF OTHER ELEMENTS OF INSPECTION SUCH AS INSPECTION DURATION, INSPECTION REPORT SUBMISSION, ARRANGEMENT OF PACKING, TRANSPORTATION DURATION FROM SUPPLIER WORKS TO BHEL JHANSI ETC. TO MEET DELIVERY DATES OF PO.
19. TENDER EVALUATION WILL BE IN INR ON TOTAL COST TO BHEL ON F.O.R. BHEL JHANSI BASIS FOR ENQUIRY ITEMS 1,2,3,4,5,6,9,10 AND ON F.O.R. BHEL BHOPAL BASIS FOR ENQURY ITEMS 7,8 AND 11 .
20. BENEFITS EARMARKED TO SUPPLIERS FOR PURCHASE UNDER "MAKE IN INDIA":
 - SHALL BE APPLICABLE AS PER GTC JHS2055A REV04 SN 25.
21. BENEFITS EARMARKED TO MSE SUPPLIERS- SHALL BE APPLICABLE AS PER GTC JHS2055A REV04 SN 24.
22. FOREIGN SUPPLIERS HAVE TO MENTION THE CURRENCY IN THE TECHNO COMMERCIAL MANDATORY SHEET IN WHICH THEY HAVE QUOTED IN THE TENDER.
23. LIQUIDATED DAMAGE / PENALTY : PENALTY FOR LATE DELIVERY SHALL BE 0.5% PER WEEK OF DELAY OR PART THEREOF OF THE CONTRACT VALUE (EXCLUDING TAXES) OF THE GOODS/SERVICE RECEIVED BEYOND SCHEDULED DELIVERY DATE, SUBJECT TO A MAXIMUM OF 10% OF THE CONTRACT VALUE OF THE GOODS/SERVICE (EXCLUDING TAXES) RECEIVED BEYOND SCHEDULED DELIVERY DATE OWING TO DELAYED DELIVERY. FURTHER DETAILS AS PER SN. 7 OF GTC JHS2055A REV04.
24. ADDRESS TO: In-charge, Tender Room, Bharat Heavy Electricals Ltd., Aministration 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. It is preferred that offers are sent in sealed envelope. However, if the bidder choses 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 mentionthe Enquiry Number. E mail offers sent to any other Email ID shall notbeentertained.BHEL shall not take any responsibility if the offersare incomplete or if the Enquiry number is not mentioned in the subject of the E-mail. For more details regarding tender submission please referClause 2-B General terms of Enquiry (JHS 2055A rev 04)

THE QUOTATION MUST BE SEALED AND BE SENT IN DOUBLE ENVELOPE.

THE INNER ENVELOPE SHOULD BEAR ENQUIRY NUMBER & DUE DATE AT THE TOP.

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:

SPECIFICATION/ SEE REMARKS



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FOR AND ON BEHALF OF
BHARAT HEAVY ELECTRICALS LTD

NARENDRA KUMAR
MANAGER (MM-1)

Email:-NARENDRA_KUMAR@BHEL.IN

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

NOTE :

- * THE BIDDER IS INFORMED THAT THE GENERAL TERMS & CONDITIONS OF ENQUIRY (JHS 2055A Rev 04) WHICH ARE UPLOADED AT https://jhs.bhel.com/sip_new/public/ 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 .



Bharat Heavy Electricals Limited

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Tel: 5102412554, 9406903702

e-mail: raanu.verma@bhel.in; narendra.kumar@bhel.in

PURCHASE ENQUIRY E18260002

RATE CONTRACT FOR TWO YEAR FOR PROCUREMENT OF RIP, RIS, OIP BUSHING etc

TENDER DOCUMENTS

SL.	Description	Schedule	Page. No
1	Terms & Conditions of the Enquiry	Schedule-I	2-10
2	Pre-Qualifying Requirement (PQR)	Schedule-IIA, IIB, IIC and IID	11-13
3	Techno Commercial Bid (Part - A)	Schedule-III	14-19
4	Price Bids (Part-B)	Schedule-IV	20-21
6	Integrity Pact	Schedule-V	22-28
7	Local Content Certificate (For Indigenous bidders only)	Schedule-VI	29
8	Technical Spec	Schedule-VII	30-69
9	GTC JHS2055A REV04		70-95

Signature of Supplier with seal and Date

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Bharat Heavy Electricals Limited

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Tel: 5102412554, 9406903702

e-mail: raanu.verma@bhel.in; narendra.kumar@bhel.in

(SCHEDULE- I)

Terms & Conditions for finalizing Rate Contract of BUSHING for a period of two years Enquiry No. E18260002

- 1. General:** Tenders are invited in Two-Part Bid system for establishing: **Rate Contract /Framework Agreement for two years** period of Bushings (RIP,RIS and OIP etc.) as per Specifications and terms & conditions mentioned in the Schedules -"I to VII". The supplies against this enquiry shall be subject to our General Terms and conditions of enquiry and PO (JHS2055A Rev.04 at https://jhs.bhel.com/apps/sip/enq/terms/enq_tems_current.pdf) and same attached with tender documents. 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 and PO and the conditions included in this annexure, the conditions included in this annexure shall prevail.
- 2.** 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.
- 3.** Lot wise quantity and delivery schedule indicated in the enquiry sheet is tentative. Actual procurement will be carried out progressively as per requirement of BHEL.
- 4. Procedure for Bid submission:** -
Bid submission consists of two parts

-Part-A Techno-Commercial bid

-Part-B Price Bid

PLEASE SUBMIT YOUR OFFER IN TWO SEPARATE ENVELOPE AS PER DETAILS GIVEN BELOW:-

- IN ENVELOPE "A"

SHOULD CONTAIN YOUR TECHNO - COMMERCIAL OFFER ALONGWITH BLANK PRICE BID I.E. PRICE BID WITH RATES BLANK. PLEASE INDICATE CLEARLY ON THE COVER OF ENVELOPE "TECHNO - COMMERCIAL OFFER" AND ENQUIRY NO. WITH ENQUIRY DUE DATE. PLEASE ENSURE BLANK PRICE BID IS WITHOUT RATES OTHERWISE WILL BE BY-PASSED. BIDDER TO MENTION QUOTED or UNQUOTED AGAINST EACH ITEM WITHOUT MENTIONING THE RATES IN TECHNO-COMMERCIAL BID.

- IN ENVELOPE "B"

SHOULD CONTAIN PRICE BID ONLY AND INDICATE CLEARLY ON THE COVER OF ENVELOPE "PRICE BID" AND ENQUIRY NO.

- ENVELOPE A + B SHOULD BE SENT IN SEPERATE SEALED ENVELOPE ON WHICH ENQUIRY NO. AND DUE DATE IS TO BE MENTIONED ON COVER.

(PLEASE SEND THE TECHNICAL BID (PART A) & PRICE BID (PART-B) AS PER ENCLOSED ANNEXURES ONLY.)

Please note that evaluation shall be done item wise on Total cost to BHEL (FOR BHEL, Jhansi for enquiry items 1,2,3,4,5,6,9 and 10) and FOR BHEL, Bhopal basis for enquiry item 7,8 and 11) basis.

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.

It is preferred that offers are sent in sealed envelope. However, if the bidder choses to send the offer through E-mail, offers received through E-mail shall be considered only when such offers

Signature of Supplier with seal and Date

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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 Email 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. For more details regarding tender submission please refer **Clause 2-B** General terms of Enquiry (JHS 2055A rev 04)

Both Part-A & Part-B of the offer shall be submitted

Part -A of the bid shall complete details of the product offered, acceptance to the specifications, all techno commercial terms and conditions of the Schedules I to VII.

In case it becomes necessary to deviate in any of the above, deviations must be clearly brought out in bid Part-A of the offer.

Tenders not complying with the above and other requirements of the tender shall be liable for rejection. Tenderers are therefore advised to read all the documents carefully before submission of the bids and ensure the fulfillments of all the technical and commercial parameters.

Part-B: Bidder has to submit the Price Bid in the same format as attached with the tender only. Bid submission on any other format is not acceptable. Rate to **be quoted per Bushing on FOR BHEL, Jhansi (for enquiry items 1,2,3,4,5,6,9 and 10) and FOR BHEL, Bhopal (for enquiry items 7,8 and 11) (Indigenous Bidders)/CIF (Foreign Bidders) basis as per price bid format.**

Please note that evaluation shall be done item wise on Total cost to BHEL (FOR BHEL, Jhansi basis for enquiry items 1,2,3,4,5,6,9 and 10) and FOR BHEL, Bhopal basis for enquiry item 7,8 and 11) in INR (Indian Rupees).

5. **Bid Opening:** - The "Techno-commercial" part of the bid i.e. Bid Part-A of the offers shall be opened on the due date of tender opening. Clarifications, wherever required on this part, shall be obtained from the bidders for their evaluation. The Price bid Part-B of such vendors alone shall be opened whose techno-commercial bids are found acceptable. The date of 'Price bid -Part B' opening shall be intimated later on.

Pre-Qualification Criteria: Please refer attached Schedule-IIA, IIB, IIC and IID, Offers of only those Bidders who meet the Pre-qualification criteria will be accepted. Any deviation from these shall render offer submitted by bidder as rejected. In case of space constraint, Information asked in PQR (Schedule-IIA, IIB, IIC, IID) shall be submitted as additional attachment with Sign and Seal.

Vendor to submit details and supporting documents as required as per PQRs, Schedule-IIA, IIB, IIC and IID.

6. **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 like GST as per prevailing structure on date of tender enquiry (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 items shall be done on item wise L1 basis.

Signature of Supplier with seal and Date

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7. **Technical Parameters and Tendered Quantity:** - Bushing shall conform to the purchase specifications. BHEL QA plan and / or customer approved QA plan to be followed strictly. Tentative quantity breaks up is mentioned below.

ENQUIRY ITEM NO	ITEM DEESCRPTION	QTY(NOS)
1	245 KV,2000 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.	113
2	145 KV,1250 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.	29
3	145 KV, 2000 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.	42
4	52 KV 3150 AMPS 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.	28
5	420 KV, 1250 AMPS. 600 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'B'.	99
6	420 KV, 2000 AMPS. 600 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'B'.	101
7	420 KV, 1250 AMPS. 400 CT LENGTH SOLID STEM, RIP/RIS BUSHING AS PER ATTACHED ANNEXURE-'D'.	60
8	420 KV, 1250 AMPS. 600 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'E'.	140
9	245 KV,1250 AMPS. 300 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'C'.	39
10	145 KV,1250 AMPS. 300 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'C'.	12
11	800 KV 2500A 600CT OIP BUSHING AS PER ATTACHED ANNEXURE-'F'.	45

Quantity under individual item may vary within +/- 30% during execution of the rate contract. At the time of supply, TC/GC/CC and other Documents as per Schedule of the PO must accompany each lot.

Note: Rate Contract (RC)/ Framework Agreements (FA) shall be valid for ordering for two-years period from date of entering rate contract/ framework agreements.

8. **Control of Rate Contract (RC)/ Framework Agreements (FA), by value:** - Rate Contract (RC)/ Framework Agreements (FA) shall be controlled by value of RC/FA Entered into with a vendor. Item wise quantity requirement is tentative estimated and ordering of items can vary to any extant within the value of RC/FA entered into with a vendor limited to +/- 30%.

Signature of Supplier with seal and Date

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Bharat Heavy Electricals Limited

)A Govt of India Undertaking(
MM Department, Sub post Office: BHEL Jhansi 284120
Tel: 5102412554,9406903702

e-mail: raanu.verma@bhel.in; narendra.kumar@bhel.in

9. **Pricing Terms:** - Material will be supplied on finished basis and rate so quoted shall be firm during validity of contract. The rate shall be inclusive of all cost, packing, freight, insurance and forwarding charges etc. and no extra charges shall be payable on whatsoever account. BHEL will not pay any development charges. 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.

10. **Terms of delivery:** - Shall be applicable as per GTC JHS2055A Rev04 clause at SL no. 5. Vendor has to quote on F.O.R BHEL, Jhansi basis for enquiry items 1,2,3,4,5,6,9 and 10 and FOR BHEL, Bhopal basis for enquiry item 7,8 and 11(Indigenous Vendor) or CIF (Foreign Vendors) **basis**. Bidders may note that delivery beyond committed schedule will attract penalty for delay.

In the event of bidder offering 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. Port congestion charges or any additional charges claimed by shipping line till delivery at destination port shall be to the Seller's account. In case of CIF delivery, Load port charges (THC, DO etc.) shall be added as per BHEL CHA contract for arriving L1 status.

To have an equitable comparison amongst the bidders in the tender, freight & Insurance charges from dispatch city to BHEL, Jhansi (items 1,2,3,4,5,6,9 and 10) / BHEL, Bhopal (items 7,8 and 11) shall be loaded on quoted prices.

11. **Number of Suppliers:** - We need 2 suppliers for execution of this contract and the tentative distribution of quantities among L1 & L2 would be in the ratio of 65:35 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. Number of bidders for quantity distribution shall be (N-1), limited to 2 bidders where n is number of techno - commercially qualified bidders and shall be as shown below:

n	L1	L2	Total
1	100	-	100
2	65	35	100

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. The ordering will further be governed by customer, approval of vendors (wherever applicable), manufacturing capacity, loading of jobs, delivery & quality performance of vendors.

While the manner of distribution is mentioned in the enquiry, the absolute values of the unit of measurement shall be rounded off. For e.g. : 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.

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(Signature)

(Signature)



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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).

If there is only one techno commercial acceptable vendor, BHEL reserves the right to allocate 100% quantity or the quantity required by BHEL to L1 vendor.

Quantity variation for split quantities: Quantity variation of +/-30% will be applicable for individual vendors on split quantities also.

All efforts will be made by BHEL to maintain proportionate quantity distribution between L1 and L2 vendors to the extent possible. However, ordering against rate contract/framework agreement will depend upon the actual requirement /projects received by BHEL/ Vendors approved by BHEL customer.

The quantities can be split but should be necessarily done in the multiple of 3 (for eg: 20nos split to 12+8, 21nos split to 12+9, 30nos split to 18+12 etc).

Bidder shall note that any distribution in Bushing (Including MSME/MII quantity benefit) or distribution of quantities between L1 & L2 should have to comply above. Qty distribution due to MSE-MII Guidelines shall prevail over any other distribution.

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 RC/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 RC/FA, (d) Pendency of orders on the supplier and (e) responsiveness in addressing post order completion issues at BHEL. In view of these factors, the loading during execution of RC/FA may vary with respect to allocated quantity.

Note: During execution, if the performance of supplier is not up to the mark in respect of delivery / quality performance, BHEL reserves the right to either reduce further loading or stop loading till the execution of overdue orders. In such cases the balance allocated full or part quantity of the defaulting vendors may at the discretion of the BHEL Jhansi be re-distributed to other performing and willing vendors of the Rate Contract (RC)/ Framework agreements (FA).

12. Inspection/Quality Checks and Quality Records: - Pre-dispatch /source inspection/ Third Party Inspection may be carried out at vendor works as per practice in vogue or Customer requirement. However, vendor shall maintain all records of input materials and finished Bushings thereby establishing traceability. BHEL may conduct quality audit at supplier works for ensuring implementation of Quality system. Vendor shall carry out all the Electrical & Mechanical tests as called for in the specifications and submit Test certificates for each lot of dispatch.

Inspection by BHEL/BHEL nominated agency/customer at either Jhansi/Bhopal or at supplier works shall be applicable as per customer/ BHEL applicable quality plan (QP) requirement.

13. All costs related to inspections and re-inspections shall be borne by the Seller. Seller shall be responsible to provide assistance such as labor, materials, electricity, fuels, stores,

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apparatus, instruments at his cost, as may be required and as may be reasonably demanded to carry out such tests effectively.

14. a) Indian Supplier has to provide 15 Days advance intimation for inspector deputation on vendor works. Further dispatch clearance will be given within 4 days of submission of report to BHEL/CUSTOMER. Vendor to take care of other elements of inspection such as Inspection duration, Inspection report submission, arrangement of Packing, transportation duration from Supplier works to BHEL Jhansi etc. to meet delivery dates of PO.

b) Foreign Supplier has to provide 45 Days advance intimation for inspector deputation on vendor works. Further dispatch clearance will be given within 7 days of submission of report to BHEL/CUSTOMER. Vendor to take care of other elements of inspection such as Inspection duration, Inspection report submission, arrangement of Packing, transportation duration from Supplier works to BHEL Jhansi etc. to meet delivery dates of PO.

15. 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 noncompliance 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 interalia 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.

16. Taxes & Duties: -

GST as applicable 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).

Taxes & Duties - Indigenous Purchase – shall be applicable as per SI no. 13 of GTC JHS2055A Rev04

Foreign Purchase – Imports : shall be applicable as per SI no. 14 of GTC JHS2055A Rev04: 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 CIF price.

17. Guarantee/Warranty: - Bushing under this tender shall be free from any kind of manufacturing defects and shall be under guarantee/warranty for a period of 24 months from the date of receipt at BHEL, Jhansi/BHEL, Bhopal.

18. 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.

19. Liquidated Damage/Levy of Penalty for delayed performance: - Unless Penalty for late delivery shall be 0.5% per week of delay or part thereof of the contract value (excluding taxes) of the goods/service received beyond scheduled delivery date, subject to a maximum of 10% of the contract value of the goods/service (excluding taxes) received beyond scheduled delivery date owing to delayed delivery.

Further details as per SN. 7 of GTC JHS2055A REV04.

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20. In case of non-acceptance of LD Clause, the suitable loading up to 10% maximum shall be done on supplier's quoted rate to derive the L-1 Status.
21. Commercial Conditions quoted by the vendor in any place including as stated in bidder's 'General Terms and Conditions of enquiry' if any, shall not be binding on the Purchaser and the conditions contained in this annexure, including General terms & Conditions rev 04 of enquiry, if any, for this enquiry shall only prevail.
22. **Applicable Laws and Jurisdiction of Courts:** - This contract shall be governed by the Law for the time being in force in the Republic of India. The Civil Court having original Civil Jurisdiction at Jhansi, shall alone have exclusive jurisdiction in regard to all matters in respect of the Contract except Arbitration matter.
23. Once PO placed to supplier, signed copy of same shall be provided to supplier through Email. After receiving of PO copy through email from BHEL, supplier has to provide drawing within 7 days from Email receipt date. Ex-If vendor provides drawing within 3rd day of PO Email receipt date, and approved drawing provided to vendor within 10 days, then supplier will get delivery extension of 10 days.
In case if vendor provides drawing for approval on 9th days from PO Email receipt date and approved drawing was provided to vendor in 10 days, then PO delivery will be extended by 8 days. i.e. same amount of days shall be reduced from delivery extension.
24. **Short Closure:** - BHEL reserves the right to short close Rate Contract/Framework agreement at any point of time during validity of the Rate Contract/Framework Agreement.
25. **Breach of Contract, Remedies and Termination:** As per GTC JHS2055A REV04 clause at SN 28 shall be applicable
26. **Settlement of Dispute:** As per GTC JHS2055A REV04 clause SN 29 shall be applicable
27. **Conciliation:** As per GTC JHS2055A REV04 clause SN 30 shall be applicable
28. **Arbitration:** As per GTC JHS2055A REV04 clause SN 31 shall be applicable
29. **Applicable Laws and Jurisdiction of Courts:** As per GTC JHS2055A REV04 clause SN 34 shall be applicable
30. **RESTRICTION UNDER RULE 144 (xi) OF THE GENERAL FINANCIAL RULES 2017:** As per latest government guidelines: Shall be applicable as per GTC SN 26.
31. **Changes in law and regulations:**
- 31.1 **Change in Law**" shall mean any of the following events which occurs in India after seven (7) days prior to the Price Agreement Date:
- a) the enactment of any new law;
 - b) the modification, repeal or re-enactment (other than a re-enactment which merely consolidates or codifies existing Applicable Laws) of any existing Applicable Laws;
 - c) the commencement of any Applicable Laws which had not yet been effective except to the extent such law was enacted prior to the said date with a commencement after the said date and such law takes effect on that commencement date without material amendment;
 - d) a change in the code/standard/statute or interpretation or application of any law or order by judicial or other authority (including a court, tribunal or any other Governmental Authorities) having the authority to interpret or apply that law or any interpretation of any law by such

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- authority which is contrary to the existing generally accepted interpretation thereof; or
- e) a loss of any Applicable Permit (or an amendment to an Applicable Permit) to the extent that such Change in Law has a material adverse effect on the Contract Price by an amount exceeding the value as may be mutually agreed by the Parties, or on the Time for Delivery, provided that such event has not been caused due to the default or negligence of the Supplier.

31.2 The Supplier shall, on or following the occurrence of a Change in Law, give notice of such Change in Law to the Project Manager in accordance with the provisions of this Clause as soon as may be reasonably practicable after becoming aware of the same. The notice served pursuant to this Clause shall provide, inter alia, details of the Change in Law and the effect thereof on the Supplier. If the Project Manager accepts that the occurrence of such event is under the provisions of the Change in Law, then the Contract Price shall be correspondingly increased or decreased, and/or the Time for Delivery shall be reasonably adjusted to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract.

31.3 If the rate of Taxes applicable on the Plant and Equipment undergoes any revision until achievement of the Time for Delivery, the same shall be allowed as a Change in Law and shall be reimbursed by the Employer. If any such variation in Taxes takes place after the Time for Delivery, the same shall not be allowed by the Employer. For the avoidance of doubt, it is clarified that occurrence of any revision with respect to the Supplier Taxes shall not be allowed as a Change in Law and shall solely be to the account to the Supplier.

31.4 If due to enactment of such Change in Law, the Supplier is entitled for any additional amount, the same shall be paid against a claim supported by documentary evidence by the Supplier substantiating the Supplier's claim, including priced invoices and such other document(s) as may be required by the Employer in this respect, to establish to the Employer's satisfaction that the Supplier has been adversely affected by such Change in Law event.

31.5 If due to enactment of such Change in Law, the Employer is entitled to recover any amount, the same shall be claimed from the Supplier as per the term of the Contract.

32. Benefits earmarked to Suppliers for Purchase Under 'Make in India': - Please refer GTC JHS2055A REV04 SN 25.

For this procurement, Public Procurement (Preference to Make in India), Order 2017 Dtd 15.06.2017 and subsequent orders issued by both DPIIT and the respective nodal ministries shall be applicable.

For this procurement, the local content to categorise a supplier as a Class I local supplier/ Class II local Supplier / Non- Local supplier is as defined in Public Procurement (Preference to Make in India), Order 2017 and subsequent orders issued by both DPIIT and the respective nodal ministries shall be applicable. 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.

The local supplier, at the time of tender submission, shall be required to provide 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.

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33. Bidders to refer GTC clause no. 26: Restriction under rule 144 (xi) of the general financial rules 2017: As per latest government guidelines.

Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the competent authority. The Competent Authority for the purpose of this Clause shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).

For further details refer GTC JHS2055A rev04 SN. 26.

However following items are exempted from registration under rule 144 (xi) of the general financial rules 2017 till 26.03.2031

1. 800KV OIP/RIP Bushing with composite polymer insulators
2. 420/800KV RIP Bushings
3. 420/800KV OIP Bushings

34. INTEGRITY PACT: -

As per Government of India's guidelines this contract will be covered under Integrity pact. Performa for Integrity pact is enclosed with this enquiry. Integrity pact document, as per this format, is to be prepared and signed by vendors and is to be submitted along with Techno-commercial bid (Part-1) duly signed and sealed.

Offers received without signed pact shall be rejected, price bid of such vendors will not be opened.

Independent external monitor (IEM) For monitoring of enquiry procedure, under Integrity pact an Independent External monitor (IEM) is appointed by BHEL.

The IEM appointed for this contract is:

SL.NO	IEM	EMAIL
1	Dr. Sarat Kumar Acharya, Ex-CMD, NLC	iem1@bhel.in
1	Shri R. Mukundan, IRPS (Retd.)	iem2@bhel.in
2	Shri Madan Lal Meena, IAS (Retd.)	iem3@bhel.in

For all clarifications/ issues related to the tender, please contact:

Name: (1) Narendra Kumar, Manager/MM-I

Contact: 0510-2770001/Ext.-2554

Mobile: 9406903702

Email: narendra_kumar@bhel.in

(2) Raanu Verma, DGM/MM-1

Contact: 0510-2770001/ Ext.- 2249

Mobile: - 7587571260

Email: raanu.verma@bhel.in

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PRE QUALIFYING REQUIREMENT FOR ENQUIRY NO. E18260002 -applicable for enquiry item nos. 1,2,3,4,5,6,9and10, (SCHEDULE-IIA)

RATE CONTRACT OF RIP BUSHING

Pre-Qualifying Requirement for Procurement of 'RIP BUSHING FOR TRANSFORMER' – PI:4406260218/ APPLICABLE FOR ITEM-1,2,3,4,5,6,9 AND 10

Sl. No.	REQUIREMENT	Bidder's Response																																																												
1	Bidders should be the MANUFACTURER OR AUTHORIZED DISTRIBUTOR /DEALER/AGENT of 'RIP BUSHING FOR TRANSFORMER' In case of Authorized Distributor / Dealer / Agent, bidder shall provide the valid Authorization Certificate / Agreement copy from OEM <u>Bidders to provide Undertaking / Declaration on OEM Letter Head that:</u> We (name of OEM) are capable of executing the job under captioned enquiry and have manufacturing facilities, in-house testing facilities for routine test in compliance with BHEL purchase specification, national / international standards & BHEL's customer Quality plan.	☐ YES ☐ Submitted																																																												
2	SUPPLY EXPERIENCE:- Bidders/OEM should have experience of having supplied "RIP BUSHING FOR TRANSFORMER" (henceforth called "Goods") to any of the customer listed below. To qualify, the bidder/OEM should have executed minimum one Order which will be valid for all items (put together) for which bidders have quoted of 'Goods' in the last seven years till the date of Part I (Techno-commercial) Bid opening to any of customer as listed below. Bidder/OEM to submit copies of supply orders, Tax Invoices / Completion Certificate of same order as a documentary proof for minimum quantum as mentioned in clause 3. In case Bidder is not OEM Bidder should submit PO copies of same OEM of which, they have quoted. In case supplies have been made to BHEL Jhansi, bidder may mention the BHEL PO number and other details need not to furnish in this case. The Customer should be any of the following:- 1. PSU- State/ Central Govt. 2. Government - State/ Central 3. Power Transformer manufacturer Or Utility who have use of the said Goods.	☐ YES ☐ PI tick/ as applicable ☐ ☐																																																												
3	Minimum Quantum For qualifying, bidder should have supplied minimum quantity as below:- <table border="1"> <thead> <tr> <th>Item No.</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>9</th> <th>10</th> <th>Combination of any of these 8 items</th> </tr> </thead> <tbody> <tr> <td>Min Qty. (For Non-MSEs)</td> <td>12</td> <td>3</td> <td>5</td> <td>3</td> <td>10</td> <td>11</td> <td>4</td> <td>2</td> <td>Sum of Min. Qty required for individual item.</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Item No.</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>9</th> <th>10</th> <th>Combination of any of these 8 items</th> </tr> </thead> <tbody> <tr> <td>Min Qty. (For MSEs)</td> <td>8</td> <td>2</td> <td>3</td> <td>2</td> <td>7</td> <td>8</td> <td>3</td> <td>1</td> <td>Sum of Min. Qty required for individual item.</td> </tr> </tbody> </table> Note : 1. Supply proofs shall be required for same kv class Bushing for which Bidder has quoted. 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> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Item No.	1	2	3	4	5	6	9	10	Combination of any of these 8 items	Min Qty. (For Non-MSEs)	12	3	5	3	10	11	4	2	Sum of Min. Qty required for individual item.	Item No.	1	2	3	4	5	6	9	10	Combination of any of these 8 items	Min Qty. (For MSEs)	8	2	3	2	7	8	3	1	Sum of Min. Qty required for individual item.	Customer Name	Order No. & Date	Qty. supplied in UoM	Tax Invoice / Completion Certificate & Date	Remark, if any																
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4	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.	☐ Document Submitted																																																												

- We agree that our bid is liable to be rejected in case (a) the relevant information is not filled, (b) documentation is incomplete, (c) there are false declarations, and (d) if we do not meet the PQR.
- Criteria at Sl. No. 4 is desirable. Other are mandatory.
- Supporting documents for the details filled above have been submitted.

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

**PRE QUALIFYING REQUIREMENT FOR ENQUIRY NO. E18260002 -applicable for enquiry item no. 7,
(SCHEDULE-IIB)**



BHARAT HEAVY ELECTRICALS LIMITED BHOPAL

PRE QUALIFICATION REQUIREMENT(PQR)

Date: 16.05.2026

Sl. No.	Description	Vendor's remarks (Y/N)
1	The vendor should be either manufacturer of RIP/RIS bushings as per BHEL Enquiry <u>OR</u> their authorized representative. Authorized representative to submit authorization letter from the manufacturer as a documentary proof.	
2	420KV RIP/RIS Bushing: Supplier should be approved by POWERGRID for 420KV or higher voltage rating RIP/RIS Bushings as on price bid opening date. Supplier to submit POWERGRID approval letter/drg/Type Test reports in support of the same.	



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PRE QUALIFYING REQUIREMENT FOR ENQUIRY NO. E18260002 -applicable for enquiry item no. 8.

(SCHEDULE-IIC)

VENDOR QUALIFICATION REQUIREMENT FOR

420KV,1250A OIL-SF6 RIP BUSHINGS

Date: 22.05.2026

DOC. NO.: VQR/420KV OIL-SF6 BUSHING/02 REV.00

Sl. No.	PQR Details	Supplier response (Y/N)
1	The vendor should be either manufacturer of RIP bushings as per BHEL Enquiry OR their authorized representative. Authorized representative to submit authorization letter from the manufacturer as a documentary proof.	
2	Supplier should have supplied at least 10 nos. 420KV or higher KV rating RIP bushings within last 07 years from bid opening date. Supplier to submit the following documents in support of the same. a) PO copy b) Invoice copy	

PRE QUALIFYING REQUIREMENT FOR ENQUIRY NO. E18260002 -applicable for enquiry item no.

11, (SCHEDULE-IID)

PRE-QUALIFICATION REQUIREMENT(PQR) FOR 800KV OIP BUSHINGS

Date: 09.05.2026

Sl. No.	Description	Vendor's remarks (Y/N)
1	The vendor should be either manufacturer of OIP bushings as per BHEL Enquiry OR their authorized representative. Authorized representative to submit authorization letter from the manufacturer as a documentary proof.	
2	Supplier should be approved by POWERGRID / NTPC for 800KV or higher voltage rating OIP Bushings as on price bid opening date. Supplier to submit POWERGRID / NTPC approval letter/drg/Type Test reports in support of the same.	

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(SCHEDULE-III)

Acceptance to salient Terms & Conditions of the Enquiry E18260002 I.e. Techno Commercial Bid

Important: This format is to be submitted along with Part-A of bid, duly signed by the bidders, as proof of acceptance.

SL.NO	DESCRIPTION	TO BE FILLED BY THE VENDOR
A-	Name of the Supplier with Telephone No./Fax No./Email	
B-	Name and Designation of Contact person	
C-	Address of the works at which inspection/delivery is offered.	

Sl. no.	Particulars	Supplier's Confirmation
1-	Complete acceptance to Technical terms & conditions including Technical/Purchase Specs as mentioned in Schedule-I to VII	☐ Accepted
2-	Participation by the Bidders in the tender shall be construed as acceptance of the bidder to the General Terms and Conditions JHS2055A-Rev-04 attached with tender documents and uploaded at https://jhs.bhel.com/apps/sip/enq/terms/enq/terms_current.pdf We confirm that we have read the GTC with applicable revision, and accepts the same.	☐ Accepted
3-	Please mention the applicable HSN Code / Customs Tariff Head in India for RIP Bushing.	-----
4-	Conformance / Test Certificate/Guarantee Certificate (along with supply) as specified in enquiry will be provided.	☐ Yes
5-	For Foreign Bidder : a) Country of Origin: b) Name of loading port / port of dispatch: Applicable Customs Duty in India for import of RIP Bushing (for applicable HSN Code / Customs Tariff Head) from your quoted country of origin:	 -----

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Handwritten signature and date

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6-	Acceptance for prices on firm basis and no PVC is applicable throughout the contract	☐ Accepted
7-	Acceptance to short closure clause as per SI no. 24 of Schedule-1	☐ Accepted
8-	a) Delivery period on CIF (Foreign Bidders), / FOR ((Indigenous Bidders) basis from date of PO issue/Drawing approval, whichever is later. b) Vendor to indicate their monthly capacity /Supply rate also.	Days
9-	Taxes and Duties (for Indigenous bidders only) -Extra as applicable. a). CGST (Mention N.A if not applicable) b). SGST (Mention N.A if not applicable) c). IGST (Mention N.A if not applicable)	☐ Accepted a).....% b).....% c).....%
10-	Taxes and Duties (for Foreign bidders-Imports only): shall be applicable as per SI no. 14 of GTC JHS2055A Rev04: 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 CIF price. Taxes and duties as applicable in India shall be to BHEL account and same shall be loaded to arrive at landed cost to BHEL.	☐ Accepted
11-	Price Bid submitted as per attached price bid format only (Copy of blank price Bid is submitted).	☐ Accepted
12-	Basic rate quoted is inclusive of Packing & forwarding	☐ Accepted
13-	Bidders quoted against all enquiry items. In case Bidders quoted for less items, same to be mentioned	☐ Accepted No of Enq. Items against which Bidder quoted _____
14-	a). Terms of delivery on F.O.R. BHEL Jhansi basis for enquiry items :1,2,3,4,5, 6, 9 &10 and F.O.R. BHEL Bhopal basis for enquiry item 7,8 & 11 (for indigenous bidders).	☐ Accepted

Signature of Supplier with seal and Date

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Bharat Heavy Electricals Limited

(A Govt of India Undertaking)
MM Department, Sub post Office: BHEL Jhansi 284120
Tel: 5102412554, 9406903702

e-mail: raanu.verma@bhel.in; narendra.kumar@bhel.in

	b). Terms of delivery on CIF, basis. (For Foreign bidders) (Pl mention name of Load Port)	☐ Accepted
15-	Validity - Quoted prices are valid for 120 days from date of tender opening.	☐ Accepted
16-	Payment Terms (For indigenous bidders) - 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. In case of dispatch 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 @ "Repo Rate + 4%" (as on date of Part I bid opening), for the purpose of bid	☐ Accepted
17-	Terms of payment (For Foreign Bidders): - 100% against irrevocable, unconfirmed LC, payable within 120 days of the bill of lading (BL)/House Air Way Bill (HAWB) 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 Repo rate (as on date of Part I bid opening) plus 4%, 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. (LC Charges: To respective account (i.e. Applicant Bank charges to Applicant account and Beneficiary bank charges to Beneficiary account). or Payment terms of CAD payable on 120th day of BL / HAWB date shall be preferred. Documents to be submitted as per UCP600 and should reach BHEL/ BHEL's bank at least 7 days prior to vessel arrival.	☐ Accepted ☐ Accepted
18-	No Advance payment terms will be accepted.	☐ Accepted
19-	Control of RC/FA by Value: RC/FA shall be controlled by value of RC/FA Entered into with a vendor. Item wise quantity requirement is tentative estimated and ordering of items can vary to any extent within the value of RC/FA entered into with a vendor limited to +/-30%.	☐ Accepted
20-	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 noncompliance 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 interalia 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.	☐ Accepted

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21-	Liquidated Damage / Penalty – Penalty for late delivery shall be 0.5% per week of delay or part thereof of the contract value (excluding taxes) of the goods/service received beyond scheduled delivery date, subject to a maximum of 10% of the contract value of the goods/service (excluding taxes) received beyond scheduled delivery date owing to delayed delivery. Further details as per SN. 7 of GTC JHS2055A REV04.	☐ Accepted
22-	Breach of contract shall be applicable- As per GTC JHS 2055A rev04 clause at SN-28.	☐ Accepted
23-	Guarantee/Warranty: In Case an order is placed, supplier shall be required to Guarantee/Warranty for smooth and satisfactory performance of the equipment for a period of 24 months from the date of receipt of material at BHEL, Jhansi / BHEL, Bhopal and certificate must be issued to this effect. Necessary instruction booklets for operation and maintenance are to be sent with supply, where applicable.	☐ Accepted
24-	"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."	☐ Accepted
25-	Indian Supplier has to provide 15 Days advance intimation for inspector deputation on vendor works. Further dispatch clearance will be given within 4 days of submission of report to BHEL/CUSTOMER. Vendor to take care of other elements of inspection such as Inspection duration, Inspection report submission, arrangement of Packing, transportation duration from Supplier works to BHEL Jhansi etc. to meet delivery dates of PO. Foreign Supplier has to provide 45 Days advance intimation for inspector deputation on vendor works. Further dispatch clearance will be given within 7 days of submission of report to BHEL/CUSTOMER. Vendor to take care of other elements of inspection such as Inspection duration, Inspection report submission, arrangement of Packing, transportation duration from Supplier works to BHEL Jhansi etc. to meet delivery dates of PO.	☐ Accepted ☐ Accepted
26-	In case of PO placement, supplier has to provide drawing within 7 days.	☐ Accepted
27-	Pre-dispatch /source inspection/ Third Party Inspection may be carried out at vendor works as per practice in vogue or Customer requirement. However, vendor shall maintain all records of input materials and finished Bushings thereby establishing traceability. BHEL may conduct quality audit at supplier works for ensuring implementation of Quality system.	☐ Accepted

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(Handwritten Signature)

v)	distributor (with / or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurement under a proprietary Article Certificate. 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 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. <u>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 extent policies/ guidelines.</u>	
----	---	--

1. Enquiry is floated for Rate Contract (RC)/Framework Agreement (FA) for two years.
2. If rates are disclosed in covering letter or through any other format along with techno-commercial bid (Part-I), offer may not be considered.
3. Evaluation of bid will be done on landed cost to BHEL basis. Offers will be loaded for the deviation(s), if any, suitably. Hence, please quote accordingly. (FOR BHEL, Jhansi basis for enquiry items 1,2,3,4,5,6,9 and 10) and FOR BHEL, Bhopal basis for enquiry item 7,8 and 11) in INR (Indian Rupees).
4. Test Certificate required along with supply.
5. Type test certificate not older than 10 years is required along-with offer. Type test report for each item is required.
6. ANNEXURE-A, B, C, D, E & F are attached.

Signature of Supplier & seal :

Date :

Name of contact person :

Cell No. :

E-mail :

Signature of Supplier with seal and Date

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(SCHEDULE-IV) (PRICE BID)

(To be submitted in Separate Envelope, and indicate clearly on the cover of envelope "price bid" and enquiry no.)

PRICE BID, FOR ENQUIRY NO. E18260002

Supplier Name & Address:

.....
.....

We are quoting our rates as under:

Currency of Quotation (Applicable for Foreign Bidders only):

Enquiry Item no.	Item description	Quoted rate in figure excluding taxes (per number basis in INR/Foreign Currency)	Quoted Rate in words excluding taxes (per number basis in INR/Foreign Currency)
1	245 KV,2000 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.		
2	145 KV,1250 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.		
3	145 KV, 2000 AMPS. 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.		
4	52 KV 3150 AMPS 300 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'A'.		
5	420 KV, 1250 AMPS. 600 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'B'.		

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6	420 KV, 2000 AMPS. 600 CT LENGTH SOLID STEM, RIP BUSHING AS PER ATTACHED ANNEXURE-'B'.		
7	420 KV, 1250 AMPS. 400 CT LENGTH SOLID STEM, RIP/RIS BUSHING AS PER ATTACHED ANNEXURE-'D'.		
8	420 KV, 1250 AMPS. 600 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'E'.		
9	245 KV, 1250 AMPS. 300 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'C'.		
10	145 KV, 1250 AMPS. 300 CT LENGTH OIL-SF6 RIP BUSHING AS PER ATTACHED ANNEXURE-'C'.		
11	800 KV 2500A 600CT OIP BUSHING AS PER ATTACHED ANNEXURE-'F'.		

Note: 1. By default, Indigenous bidders' quotation will be in Indian Rupees (INR) and Foreign bidders' will be in currency quoted as above by them.

2. 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 away REJECTED even if, offer has been found technically & commercially acceptable before opening of price bid.

Signature of Supplier :

Name :

Designation :

Seal :

Signature of Supplier with seal and Date

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(SCHEDULE-V)

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 ____
E18260002_

_____ (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.

Signature of Supplier with seal and Date

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Signature
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- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Bharatiya Nyaya Sanhita (BNS) 2023 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.
- 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 Bharatiya Nyaya Sanhita (BNS) 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





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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 Banning 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).

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- 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.
- 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.





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- 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 Bharatiya Nyaya Sanhita (BNS)/ 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.

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Not in

Done

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- 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 Jhansi

Date _____

Witness: _____

(Name & Address) Ranendra Sahu
MM-1, BHEL Jhansi

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

Witness: _____

(Name & Address) _____



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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.

Sl	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: Narendra Kumar
Deptt: MM-1
Address: BHEL Jhansi
Phone: (Landline/ Mobile)
2554
Email: narendra.kumar@bhel.in
Fax: _____

(2)
Name: Raanu Verma
Deptt: MM-1
Address: BHEL Jhansi
Phone: (Landline/ Mobile)
2249
Email: raanu.verma@bhel.in
Fax: _____

Signature of Supplier with seal and Date

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Tel: 5102412554,9406903702

e-mail: raanu.verma@bhel.in; narendra.kumar@bhel.in

(SCHEDULE-VI)

For the enquiry items (For Indigenous bidders only):

Vendor to provide the **local content certificate (For MII Benefit) 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. And place of local value addition.

(SCHEDULE-VII)(SPEC)



BHARAT HEAVY ELECTRICALS LIMITED, JHANSI
TRANSFORMER ENGINEERING DEPARTMENT
ANNEXURE-A FOR RIP BUSHING (245KV AND BELOW))

Page 1 of 3

S. NO.	TECHNICAL DESCRIPTION / PARAMETER	CONFIRMATION YES / NO
1	Bushings shall be robust and designed for adequate cantilever strength to meet the requirement of seismic condition, substation layout and movement along with the spare Transformer with bushing erected and provided with proper support from one foundation to another foundation within the substation area. The electrical and mechanical characteristics of bushings shall be in accordance with latest IS 2099 & IEC: 60137/DIN 42530. All details of the bushing shall be submitted for approval and design review.	YES / NO
2	Bushing shall be RIP (Resin Impregnated paper) condenser type with composite polymer insulator (housing).	YES / NO
3	RIP type bushing shall be provided with tap for capacitance and tan delta test. Test taps relying on pressure contacts against the outer earth layer of the bushing is not acceptable.	YES / NO
4	Bushings of identical rating shall be interchangeable to optimise the requirement of spares.	YES / NO
5	Drawings, Quality and test schedules etc shall be got approved by BHEL/ End customer before commencement of manufacturing.	YES / NO
6	Polymer/composite insulator shall be seamless sheath of a silicone rubber compound. The housing & weather sheds should have silicon content of minimum 30% by weight. It should protect the bushing against environmental influences, external pollution and humidity. It shall be extruded or directly moulded on the core. The interface between the housing and the core must be uniform and without voids. The strength of the bond shall be greater than the tearing strength of the polymer	YES / NO
7	The manufacturer shall follow non-destructive technique (N.D.T.) to check the quality of jointing of the housing interface with the core. The technique being followed with detailed procedure and sampling shall be finalized during finalization of MQP. The weather sheds of the insulators shall be of alternate shed profile as per IS 16683-3/IEC 60815-3. The weather sheds shall be vulcanized to the sheath (extrusion process) or moulded as part of the sheath (injection moulding process) and free from imperfections. The vulcanization for extrusion process shall be at high temperature and for injection moulding shall be at high temperature & high pressure. Any seams/ burrs protruding axially along the insulator, resulting from the injection moulding process shall be removed completely without causing any damage to the housing. The track resistance of housing and shed material shall be class 1A4.5 according to IS 9947. The strength of the weather shed to sheath interface shall be greater than the tearing strength of the polymer. The polymer insulator shall be capable of high pressure washing	YES / NO
8	End fittings shall be free from cracks, seams, shrinks, air holes and rough edges. End fittings should be effectively, sealed to prevent moisture ingress, effectiveness of sealing system must be supported by test documents. All surfaces of the metal parts shall be perfectly smooth with the projecting points or irregularities which may cause corona. All load bearing surfaces shall be smooth and uniform so as to distribute the loading stresses uniformly.	YES / NO
9	The hollow silicone composite insulators shall comply with the requirements of IEC-61462 and the relevant parts of IEC-62217. The	YES /

 BHARAT HEAVY ELECTRICALS LIMITED, JHANSI TRANSFORMER ENGINEERING DEPARTMENT ANNEXURE-A FOR RIP BUSHING (245KV AND BELOW)		Page 2 of 3
	design of the composite insulators shall be tested and verified according to IEC-61462 (Type & Routine test).	NO
10	All bushings shall be suitable for heavily polluted atmosphere and minimum creepage distance shall be taken as 31mm per KV.	YES / NO
11	Clamps and fittings shall be of hot dip galvanized/stainless steel.	YES / NO
12	No arcing horns shall be provided on the bushings.	YES / NO
13	Where current transformers are specified, bushing shall be removable without disturbing the current transformer.	YES / NO
14	Corona shield, wherever required, shall be provided at bushing terminal (air end) to minimize corona.	YES / NO
15	RIP Bushing shall be specially packed to avoid any damage during transit and suitable for long storage, with non-returnable packing wooden boxes with hinged type cover. Without any gap between wooden planks. Packing Box opening cover with nails/screws type packing arrangement shall not be acceptable. Bushing oil end portion shall be fitted with metal housing with positive dry air pressure and a suitable pressure monitoring device shall be fitted on the metal housing during storage to avoid direct contact with moisture with epoxy. Alternatively, oil filled metal housing with suitable arrangement for taking care oil expansion due to temperature variations shall also be acceptable. Manufacturer shall submit drawing/documents of packing for approval during detail engineering. Detail method for storage of bushing including accessories shall be brought out in the instruction manual.	YES / NO
16	Spare Bushing shall be specially packed suitable for long storage with non-returnable.	YES / NO
17	Tan delta measurement at variable frequency (in the range of 20 Hz to 350 Hz) shall be carried out on each condenser type RIP bushing at Bushing manufacturing works as routine test before despatch and the result shall be compared at site during commissioning to verify the healthiness of the bushing. Tan delta value of RIP condenser bushing shall be 0.005 (max.) in the temperature range of 20°C to 90°C. The measured Tan Delta value at site should not exceed by .001 w.r.t. factory results (measured at approx. similar temperature conditions) and in no case shall exceed 0.005 during warranty period. No temperature correction factor is applicable.	YES / NO
18	Bushing dimensions comply to TABLE-2 attached herewith	YES / NO
19	Technical parameter of bushing will comply to TABLE-1 attached herewith.	YES / NO
20	The performance requirements and tests on bushings, shall be in accordance with those specified in IS 2099 / IEC-60137 and the same shall be sent with supply.	YES / NO
21	The method of connection from wiring to bushing viz. palm type connection with details of joints is to be furnished in detailed drawing.	YES / /



BHARAT HEAVY ELECTRICALS LIMITED, JHANSI
TRANSFORMER ENGINEERING DEPARTMENT
ANNEXURE-A FOR RIP BUSHING (245KV AND BELOW))

Page 3 of 3

22	The material, dimensions and surface finish of oil end terminal of solid stem for kV bushings shall be in accordance bushing Standards. The requirements to oil end terminal of bushings in which corona shield is necessary the terminal arrangement with corona shield and minimum opening required in the shield for easy disconnection of the transformer lead from the palm type terminal shall be as per TABLE-2.	NO YES / NO
23	All dimensions in TABLE-2 are in millimetres. No positive tolerance shall apply where maximum dimension is specified and negative Tolerance where minimum dimension is specified.	YES / NO
24	TESTING TYPE TEST CERTIFICATE A Type Tests certificate (not older than 10 years) must be submitted in accordance with the latest amendment of IEC 60137 along with the offer. The Type Test report should remain valid for supply of each Bushing. In case the Type test report validity expires before supply of bushing, Supplier to conduct fresh Type test on bushing.	YES / NO
25	Equipment offered shall have type test certificates from accredited laboratory (accredited based on ISO/IEC guide 25 /17025 or EN 45001 by national accreditation body of the country where lab is located). The Type test conducted at third party lab or the same shall be witness by third party.	YES / NO
26	In case supplier does not have Type test report of Identical Bushing, the same is to be conducted on one number of bushing, of each type, without any price implication to BHEL Jhansi and affecting the delivery schedule.	YES. / NO
27	DOCUMENTATION: Following documents in English language should be submitted along with the bid for our evaluation	
27.1	OGA Drawing and Guaranteed Technical Particulars	YES / NO
27.2	Manufacturing Quality Plan	YES / NO
27.3	Type test reports	YES / NO
27.4	Catalogues, O&M Manuals	YES / NO
28	ROUTINE TEST INSPECTION:	
28.1	Routine tests may be witnessed by BHEL/ CUSTOMER representatives at supplier's works.	YES / NO
28.2	Air-fare, boarding & lodging for the BHEL / CUSTOMER representatives shall be borne by BHEL/ CUSTOMER.	YES / NO
28.3	Competent, English speaking experts shall be arranged by the vendor during inspection.	YES / NO

TABLE-1				
Sl No.	Electrical Parameter	Details		
1	Highest System Voltage	245 KV	145 KV	52 KV
2	Rated Current	2000 AMP	1250 AMP	3150 AMP
3	Type Of Lead	SS	SS	SS
4	Rated Frequency	50 Hz	50 Hz	50 Hz
5	1 Minute AC withstand Test (Dry)	505 KVrms	305 KVrms	105 KVrms
6	1 Minute AC withstand Test (Wet)	460 KVrms	275 KVrms	95 KVrms
7	Basic Insulation Level	1050 KVp	650 KVp	250 KVp
8	Switching Impulse Voltage	850 KVp	-	-
9	Rated Short Circuit Current	50 KA	50 KA	50 KA
10	Rated Short-Circuit Current Duration	3 Sec	3 Sec	3 Sec
11	Canilever Test Load	5000 N	3150 N	4000 N
12	Minimum Creepage Distance	7595 mm (Min.)	4495 mm (Min.)	4495 mm (Min.)
13	Tan-Delta in the range of 20°C to 90°C (Without any temperature correction)	0.005 (Max.)	0.005 (Max.)	0.005 (Max.)
14	DIMENSIONS	AS PER TABLE 2	AS PER TABLE 2	AS PER TABLE 2

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TABLE-2					
Sl No.	DIMENSIONS	Details			
1	Highest System Voltage	245 KV	145 KV		52 KV
2	Rated Current	2000 AMP	1250 AMP	2000 AMP	3150 AMP
3	Type Of Lead	SS	SS	SS	SS
4	L2 $\pm$ 5 OIL END	1230	800	1030 MAX	> 450
5	L6 (MINIMUM)	300	300	300	300
6	D2 (MAXIMUM) CT	270	165	165	165
7	D3 $\pm$ 2 FLANGE OD	450	335	335	335
8	D4 $\pm$ 1 (PCD)	400	290	290	290
9	D5 X N	20 X 12	15 X 12	15 X 12	15 X 12
10	D6 (MAXIMUM)	270	180	180	115
11	L11 HORIZONTAL	45	-	45	55
12	L12 VERTICAL	40	-	40	40
13	L13	-	40	-	-
14	D7 (DIAMETER)	-	14	-	-
15	D8 (DIAMETER)	14	-	14	14
16	LENGTH & DIAMETER OF AIR END TERMINAL	125 & 60 DIA	125 & 60 DIA	125 & 60 DIA	125 & 60 DIA

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BHARAT HEAVY ELECTRICALS LIMITED, JHANSI
TRANSFORMER ENGINEERING DEPARTMENT
ANNEXURE-B FOR RIP BUSHING (420 KV)

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S.NO	TECHNICAL DESCRIPTION / PARAMETER	CONFIRMATION YES / NO
1	Bushings shall be robust and designed for adequate cantilever strength to meet the requirement of seismic condition, substation layout and movement along with the spare Transformer with bushing erected and provided with proper support from one foundation to another foundation within the substation area. The electrical and mechanical characteristics of bushings shall be in accordance with latest IS 2099 & IEC: 60137/DIN 42530. All details of the bushing shall be submitted for approval and design review.	YES / NO
2	Bushing shall be RIP (Resin Impregnated paper) condenser type with composite polymer insulator (housing).	YES / NO
3	RIP type bushing shall be provided with tap for capacitance and tan delta test. Test taps relying on pressure contacts against the outer earth layer of the bushing is not acceptable.	YES / NO
4	Bushings of identical rating shall be interchangeable to optimise the requirement of spares.	YES / NO
5	Drawings, Quality and test schedules etc shall be got approved by BHEL/ End customer before commencement of manufacturing.	YES / NO
6	Polymer/composite insulator shall be seamless sheath of a silicone rubber compound. The housing & weather sheds should have silicon content of minimum 30% by weight. It should protect the bushing against environmental influences, external pollution and humidity. It shall be extruded or directly moulded on the core. The interface between the housing and the core must be uniform and without voids. The strength of the bond shall be greater than the tearing strength of the polymer.	YES / NO
7	The manufacturer shall follow non-destructive technique (N.D.T.) to check the quality of jointing of the housing interface with the core. The technique being followed with detailed procedure and sampling shall be finalized during finalization of MQP. The weather sheds of the insulators shall be of alternate shed profile as per IS 16683-3/IEC 60815-3. The weather sheds shall be vulcanized to the sheath (extrusion process) or moulded as part of the sheath (injection moulding process) and free from imperfections. The vulcanization for extrusion process shall be at high temperature and for injection moulding shall be at high temperature & high pressure. Any seams/ burrs protruding axially along the insulator, resulting from the injection moulding process shall be removed completely without causing any damage to the housing. The track resistance of housing and shed material shall be class 1A4.5 according to IEC-60587. The strength of the weather shed to sheath interface shall be greater than the tearing strength of the polymer. The polymer insulator shall be capable of high pressure washing.	YES / NO
8	End fittings shall be free from cracks, seams, shrinks, air holes and rough edges. End fittings should be effectively, sealed to prevent moisture ingress, effectiveness of sealing system must be supported by test documents. All surfaces of the metal parts shall be perfectly smooth with the projecting points or irregularities which may cause corona. All load bearing surfaces shall be smooth and uniform so as to distribute the loading stresses uniformly.	YES / NO
9	The hollow silicone composite insulators shall comply with the	YES

 BHARAT HEAVY ELECTRICALS LIMITED, JHANSI TRANSFORMER ENGINEERING DEPARTMENT ANNEXURE-B FOR RIP BUSHING (420 KV)		Page 2 of 3
	requirements of IEC-61462 and the relevant parts of IEC-62217. The design of the composite insulators shall be tested and verified according to IEC-61462 (Type & Routine test).	/ NO
10	All bushings shall be suitable for heavily polluted atmosphere and minimum creepage distance shall be taken as 31mm per KV.	YES / NO
11	Clamps and fittings shall be of hot dip galvanised/stainless steel.	YES / NO
12	No arcing horns shall be provided on the bushings.	YES / NO
13	Where current transformers are specified, bushing shall be removable without disturbing the current transformer.	YES / NO
14	Corona shield, wherever required, shall be provided at bushing terminal (air end) to minimize corona.	YES / NO
15	RIP Bushing shall be specially packed to avoid any damage during transit and suitable for long storage, with non-returnable packing wooden boxes with hinged type cover. Without any gap between wooden planks. Packing Box opening cover with nails/screws type packing arrangement shall not be acceptable. Bushing oil end portion shall be fitted with metal housing with positive dry air pressure and a suitable pressure monitoring device shall be fitted on the metal housing during storage to avoid direct contact with moisture with epoxy. Alternatively, oil filled metal housing with suitable arrangement for taking care oil expansion due to temperature variations shall also be acceptable. Manufacturer shall submit drawing/documents of packing for approval during detail engineering. Detail method for storage of bushing including accessories shall be brought out in the instruction manual.	YES / NO
16	Spare Bushing shall be specially packed suitable for long storage with non- returnable.	YES / NO
17	Tan delta measurement at variable frequency (in the range of 20 Hz to 350 Hz) shall be carried out on each condenser type RIP bushing at Bushing manufacturing works as routine test before despatch and the result shall be compared at site during commissioning to verify the healthiness of the bushing. Tan delta value of RIP condenser bushing shall be 0.004 (max.) in the temperature range of 20°C to 90°C. The measured Tan Delta value at site should not exceed by 001 w.r.t. factory results (measured at approx. similar temperature conditions) and in no case shall exceed 0.004 during warrantee period. No temperature correction factor is applicable.	YES / NO
18	Bushing dimensions comply to TABLE-4 attached herewith	YES / NO
19	Technical parameter of bushing will comply to TABLE-3 attached herewith.	YES / NO
20	The performance requirements and tests on bushings, shall be in accordance with those specified in IS 2099 / IEC-60137 and the same shall be sent with supply.	YES / NO
21	The draw rod is in the scope of supply of bidder with the Bushing. The method of connection from winding to bushing viz. Draw rod or palm type connection with details of joints is to be furnished in detailed drawing.	YES / NO



BHARAT HEAVY ELECTRICALS LIMITED, JHANSI
TRANSFORMER ENGINEERING DEPARTMENT
ANNEXURE-B FOR RIP BUSHING (420 KV)

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22	The material, dimensions and surface finish of oil end terminal of solid stem for kV bushings shall be in accordance bushing Standards. The requirements to oil end terminal of bushings in which corona shield is necessary the terminal arrangement with corona shield and minimum opening required in the shield for easy disconnection of the transformer lead from the palm type terminal shall be as per TABLE-4.	YES / NO
23	All dimensions in TABLE-4 are in millimetres. No positive tolerance shall apply where maximum dimension is specified and negative Tolerance where minimum dimension is specified.	YES / NO
24	TESTING TYPE TEST CERTIFICATE A Type Tests certificate (not older than 10 years) must be submitted in accordance with the latest amendment of IEC 60137 along with the offer. The Type Test report should remain valid at least until the date of the first bushing supply. Type tests reports should include the following test also :- 1. Seismic Test 2. Snap back test	YES / NO
25	Equipment offered shall have type test certificates from accredited laboratory (accredited based on ISO/IEC guide 25 /17025 or EN 45001 by national accreditation body of the country where lab is located). The Type test conducted at third party lab or the same shall be witness by third party.	YES / NO
26	In case supplier does not have Type test report of Identical Bushing, the same is to be conducted on one number of bushing, of each type, without any price implication to BHEL Jhansi and affecting the delivery schedule.	YES / NO
27	DOCUMENTATION: Following documents in English language should be submitted along with the bid for our evaluation	
27.1	OGA Drawing and Guaranteed Technical Particulars	YES / NO
27.2	Manufacturing Quality Plan	YES / NO
27.3	Type test reports	YES / NO
27.4	Catalogues, O&M Manuals	YES / NO
28	ROUTINE TEST INSPECTION.	
28.1	Routine tests may be witnessed by BHEL/CUSTOMER representatives at supplier's works.	YES / NO
28.2	Air-fare, boarding & lodging for the BHEL / CUSTOMER representatives shall be borne by BHEL/ CUSTOMER.	YES / NO
28.3	Competent, English speaking experts shall be arranged by the vendor during inspection.	YES / NO

Bharat Heavy Electricals Limited

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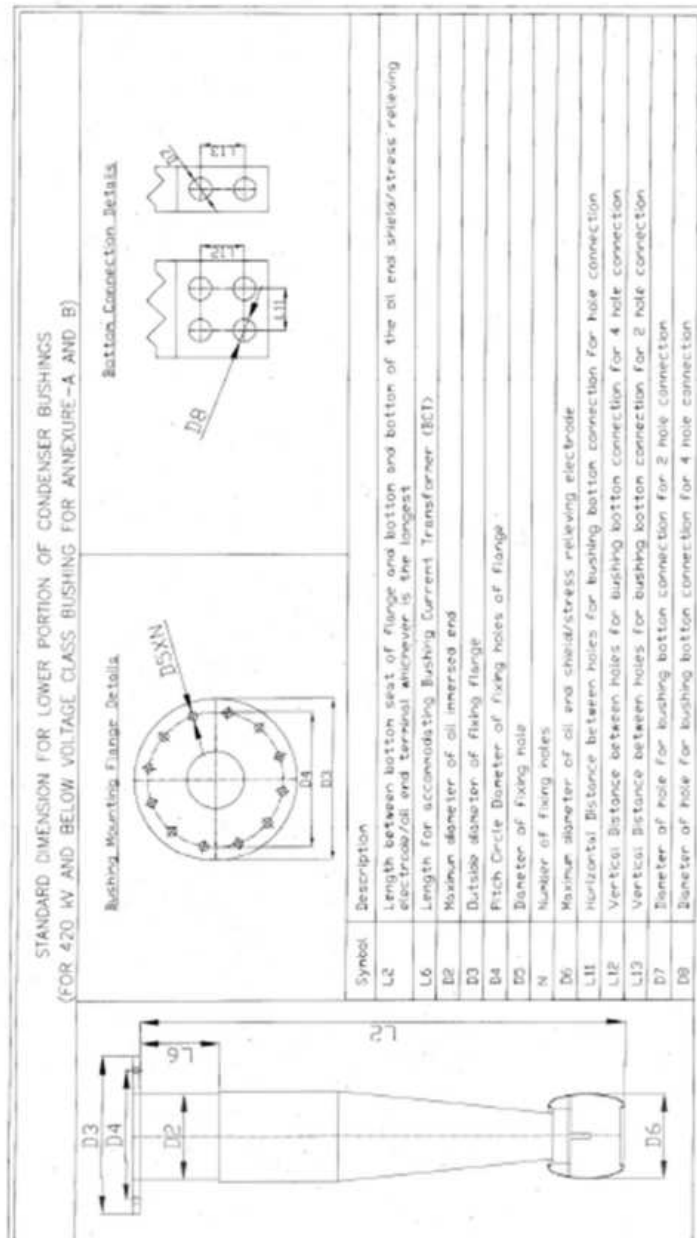
e-mail: raanu.verma@bhel.in; narendra.kumar@bhel.in

TABLE-3			
Sl No.	Electrical Parameter	Details	
1	Highest System Voltage	420 KV	
2	Rated Current	1250 AMP	2000 AMP
3	Type Of Lead	SS	SS
4	Rated Frequency	50 Hz	50 Hz
5	1 Minute AC withstand Test (Dry)	750 KVrms	750 KVrms
6	1 Minute AC withstand Test (Wet)	-	-
7	Basic Insulation Level	1550 KVp	1550 KVp
8	Switching Impulse Voltage	1175 KVp	1175 KVp
9	Rated Short Circuit Current	63 KA	63 KA
10	Rated Short -Circuit Current Duration	3 Sec	3 Sec
11	Cantilever Test Load	4000 N	5000 N
12	Minimum Creepage Distance	13020 mm (Min.)	13020 mm (Min.)
13	Max partial discharge level at Um	< 10 pC	< 10 pC
14	Test tap voltage level	2 kVrms	2 kVrms
15	Minimum Arcing Length	3500 mm	3500 mm
16	Tan-Delta in the range of 20°C to 90°C (Without any temperature correction)	0.004 (Max.)	0.004 (Max.)
17	DIMENSIONS	AS PER TABLE 2	AS PER TABLE 2

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TABLE-4			
SI No.	DIMENSIONS	Details	
1	Highest System Voltage	420 KV	
2	Rated Current	1250 AMP	2000 AMP
3	Type Of Lead	SS	SS
4	L2 $\pm$ 5 OIL END	1640	1640
5	L6 (MINIMUM)	600	600
6	D2 (MAXIMUM) CT	350	350
7	D3 $\pm$ 2 FLANGE OD	720	720
8	D4 $\pm$ 1 (PCD)	660	660
9	D5 X N	24 X 12	24 X 12
10	D6 (MAXIMUM)	350	350
11	L11 HORIZONTAL	-	45
12	L12 VERTICAL	-	50
13	L13	40	-
14	D7 (DIAMETER)	14	14
15	D8 (DIAMETER)	-	-
16	LENGTH & DIAMETER OF AIR END TERMINAL	125 & 60 DIA	125 & 60 DIA

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BHARAT HEAVY ELECTRICALS LIMITED, JHANSI
TRANSFORMER ENGINEERING DEPARTMENT
ANNEXURE-C FOR RIP BUSHING (145 & 245 OIL-SF6)

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S.NO.	TECHNICAL DESCRIPTION / PARAMETER	CONFIRMATION YES / NO
1	Bushings shall be robust and designed for adequate cantilever strength to meet the requirement of seismic condition, substation layout and movement along with the spare Transformer with bushing erected and provided with proper support from one foundation to another foundation within the substation area. The electrical and mechanical characteristics of bushings shall be in accordance with latest IEC: 60137/DIN 42530 and IEC 62271-211(2014; Cor 2015/Latest Rev). All details of the bushing shall be submitted for approval and design review.	YES / NO
2	Bushing shall be RIP (Resin Impregnated paper) condenser type for Oil-SF6 connection.	YES / NO
3	RIP type bushing shall be provided with tap for capacitance and tan delta test. Test taps relying on pressure contacts against the outer earth layer of the bushing is not acceptable. The bushings shall be fitted with self-grounded measuring tap for checking the power-factor and capacitance with the flange grounded.	YES / NO
4	Bushings of identical rating shall be interchangeable to optimise the requirement of spares.	YES / NO
5	Drawings, Quality and test schedules etc shall be got approved by BHEL/ End customer before commencement of manufacturing.	YES / NO
6	End fittings shall be free from cracks, seams, shrinks, air holes and rough edges. End fittings should be effectively, sealed to prevent moisture ingress, effectiveness of sealing system must be supported by test documents. All surfaces of the metal parts shall be perfectly smooth with the projecting points or irregularities which may cause corona. All load bearing surfaces shall be smooth and uniform so as to distribute the loading stresses uniformly. The oil side & SF6 side shall be suitably pressed together and shall have provision for oil expansion, with facilities for controlling the pressure in the bushing. The gas side of the bushing shall be sealed by suitable 'o-ring'. The measures to be provided to prevent flow of SF6 gas into the transformer oil and vice versa shall be listed in the offer.	YES / NO
7	Clamps and fittings shall be of hot dip galvanised/stainless steel.	YES / NO
8	No arcing horns shall be provided on the bushings.	YES / NO
9	Where current transformers are specified, bushing shall be removable without disturbing the current transformer.	YES / NO
10	Corona shield, wherever required, shall be provided at bushing terminal (air end) to minimize corona.	YES / NO
11	RIP Bushing shall be specially packed to avoid any damage during transit and suitable for long storage, with non-returnable packing wooden boxes with hinged type cover. Without any gap between wooden planks. Packing Box opening cover with nails/screws type packing arrangement shall not be acceptable. Bushing end portion (both end) shall be fitted with metal housing	YES

 BHARAT HEAVY ELECTRICALS LIMITED, JHANSI TRANSFORMER ENGINEERING DEPARTMENT ANNEXURE-C FOR RIP BUSHING (145 & 245 OIL-SF6)		Page 2 of 3
	with positive dry air pressure and a suitable pressure monitoring device shall be fitted on the metal housing during storage to avoid direct contact with moisture with epoxy. Alternatively, oil filled metal housing (on oil end portion of bushing) with suitable arrangement for taking care oil expansion due to temperature variations shall also be acceptable. Manufacturer shall submit drawing/documents of packing for approval during detail engineering. Detail method for storage of bushing including accessories shall be brought out in the instruction manual	/ NO
12	Spare Bushing shall be specially packed suitable for long storage with non-returnable.	YES / NO
13	Tan delta measurement at variable frequency (in the range of 20 Hz to 350 Hz) shall be carried out on each condenser type RIP bushing at Bushing manufacturing works as routine test before despatch and the result shall be compared at site during commissioning to verify the healthiness of the bushing. Tan delta value of RIP condenser bushing shall be 0.005 (max.) in the temperature range of 20°C to 90°C. The measured Tan Delta value at site should not exceed by .001 w.r.t. factory results (measured at approx. similar temperature conditions) and in no case shall exceed 0.005 during warrantee period. No temperature correction factor is applicable.	YES / NO
14	Bushing dimensions comply to TABLE-6 attached herewith	YES / NO
15	Technical parameter of bushing will comply to TABLE-5 attached herewith.	YES / NO
16	The performance requirements and tests on bushings, shall be in accordance with those specified in IEC-60137 / IEC-62271-211 and the same shall be sent with supply.	YES / NO
17	The method of connection from winding to bushing viz. palm type connection with details of joints is to be furnished in detailed drawing.	YES / NO
18	The material, dimensions and surface finish of oil end terminal and SF6 Terminal of solid stem for kV bushings shall be in accordance bushing Standards. The requirements to oil end terminal of bushings in which corona shield is necessary the terminal arrangement with corona shield and minimum opening required in the shield for easy disconnection of the transformer lead from the palm type terminal shall be as per TABLE-6.	YES / NO
19	All dimensions in TABLE-6 are in millimetres. No positive tolerance shall apply where maximum dimension is specified and negative Tolerance where minimum dimension is specified.	YES / NO
20	TESTING TYPE TEST CERTIFICATE A Type Tests certificate (not older than 10 years) must be submitted in accordance with the latest amendment of IEC 60137 along with the offer. The Type Test report should remain valid at least until the date of the first bushing supply.	YES / NO
21	Equipment offered shall have type test certificates from accredited laboratory (accredited based on ISO/IEC guide 25 / 17025 or EN 45001 by national accreditation body of the country where lab is located). The Type test conducted at third party lab or the same shall be witness by third party.	YES / NO



BHARAT HEAVY ELECTRICALS LIMITED, JHANSI
TRANSFORMER ENGINEERING DEPARTMENT
ANNEXURE-C FOR RIP BUSHING (145 & 245 OIL-SF6)

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22	In case supplier does not have Type test report of Identical Bushing, the same is to be conducted on one number of bushing, of each type, without any price implication to BHEL Jhansi and affecting the delivery schedule.	YES / NO
23	DOCUMENTATION: Following documents in English language should be submitted along with the bid for our evaluation	
23.1	OGA Drawing and Guaranteed Technical Particulars	YES / NO
23.2	The bidder shall submit installation, operation and maintenance manual of bushing. Any special instruction for transportation, handling and storage shall also be submitted by successful bidder.	YES / NO
23.3	Type test reports	YES / NO
23.4	Catalogues, O&M Manuals	YES / NO
24	ROUTINE TEST INSPECTION:	
24.1	Routine tests may be witnessed by BHEL/ CUSTOMER representatives at supplier's works as per IEC-60137.	YES / NO
24.2	Bushing shall be inspected and tested at manufacturer's works in presence of BHEL representative and/ or Customer representative. Minimum 21 days' notice shall be given to BHEL for witnessing the tests. 2 copies of test certificates shall be submitted.	
24.2	Air-fare, boarding & lodging for the BHEL / CUSTOMER representatives shall be borne by BHEL/ CUSTOMER.	YES / NO
24.3	Competent, English speaking experts shall be arranged by the vendor during inspection.	YES / NO

Bharat Heavy Electricals Limited

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TABLE-5			
Sl No.	Electrical Parameter	Details	
1	Highest System Voltage	245 KV	145 KV
2	Rated Current (Minimum)	1250 AMP	1250 AMP
3	BUSHING TYPE	OIL-SF6	OIL-SF6
4	Type Of Lead	SS	SS
5	Rated Frequency	50 Hz	50 Hz
6	1 Minute AC withstand Test (Dry)	505 KVrms	305 KVrms
7	1 Minute AC withstand Test (Wet)	460 KVrms	275 KVrms
8	Basic Insulation Level	1050 KVp	650 KVp
9	Switching Impulse Voltage	850 KVp	-
10	Rated Short Circuit Current	50 KA	50 KA
11	Rated Short -Circuit Current Duration	3 Sec	3 Sec
12	Cantilever Test Load	4000 N	3150 N
13	Tan-Delta in the range of 20°C to 90°C (Without any temperature correction)	0.005 (Max.)	0.005 (Max.)
14	DIMENSIONS	AS PER TABLE 6	AS PER TABLE 6

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TABLE-6			
SI No.	DIMENSIONS	DETAILS	
1	Highest System Voltage	245 kV	145 kV
2	Rated Current (Minimum)	1250 AMP	1250 AMP
3	BUSHING TYPE	OIL-SF6	OIL-SF6
4	Type Of Lead	SS	SS
5	L2 $\pm$ 5 OIL END	Bushing OEM	Bushing OEM
6	L6 (MINIMUM)	300	300
7	D2 (MAXIMUM) CT	270	165
8	D3 $\pm$ 2 FLANGE OD	450	335
9	D4 $\pm$ 1 (PCD)	400	290
10	D5 X N	20 X 12	15 X 12
11	D6 (MAXIMUM)	270	180
12	SF6 END DIMENSION	AS PER IEC- 62271	AS PER IEC- 62271
13	SF6 END CONNECTION	AS PER IEC- 62271	AS PER IEC- 62271

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ANNEXURE-D

BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF 420 KV RIP BUSHINGS

NAME & ADDRESS OF THE SUPPLIER :		NAME & ADDRESS OF THE INDIAN AGENT :	
SCOPE: SUPPLY OF 420 KV, 1250 A, CTL-400 MM, RESIN IMPREGNATED PAPER (RIP)/ RESIN IMPREGNATED SYNTHETIC (RIS) CONDENSER BUSHINGS COMPLYING WITH THE SPECIFICATIONS AS BELOW :			
Spec No. : BCE/PS/420.61		Rev 00	
Date: 16.05.2026			
SERIAL NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED	REMARKS
1.0	WORKPIECE MATERIAL.		
1.1	Item : 420 KV, 1250A, CTL-400 MM Resin Impregnated Paper (RIP) / Resin Impregnated Synthetic (RIS) Condenser Bushing.	Vendor to note	
2.0	SPECIFICATION :		
2.1	Bushings shall be robust and designed for adequate cantilever strength to meet the requirement of seismic condition, substation layout and movement along with the square Transformer/ Reactor with bushing erected and provided with proper support from one foundation to another foundation within the substation area.	Vendor to Confirm	
2.2	The electrical and mechanical characteristics of bushings shall be in accordance with IEC 60137/2017/DIN 42530. All details of the bushing shall be submitted for approval and design review during contract stage.	Vendor to Confirm	
2.3	The bushing shall be provided with tap for capacitance and tan delta test. Test taps relying on pressure contacts against the outer earth layer of the bushing is not acceptable.	Vendor to Confirm	
2.4	Where current transformers are provided, the bushings shall be removable without disturbing the current transformers.	Vendor to Confirm	

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ANNEXURE-D

Spec No. : BCE/PS/420/61 Rev 00 Date: 16.05.2026			
SR.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED	REMARKS
2.5	Bushings of identical rating shall be interchangeable to optimise the requirement of spares. Mounting and oil end dimensions of bushing shall be as per drawing no BCL-4-1492 (Annexure II)	Vendor to confirm and submit the drawing alongwith the bid	
2.6	Drawings, Quality and test schedules etc shall be got approved by BHEL/ End customer before commencement of manufacturing.	Vendor to Confirm	
2.7	Polymer / Composite Insulator		
2.7.1	The hollow silicone composite insulators shall comply with the requirements of the IEC publications IEC 61462 and the relevant parts of IEC 62217.	Vendor to Confirm	
2.7.2	The design of the composite insulators shall be tested and verified according to IEC 61462 (Type & Routine test).	Vendor to Confirm	
2.7.3	Polymer / composite insulator shall be seamless sheath of a silicone rubber compound.	Vendor to Confirm	
2.7.4	The housing & weather sheds should have silicon content of minimum 30% by weight.	Vendor to Confirm	
2.7.5	It should protect the bushing against environmental influences, external pollution and humidity.	Vendor to Confirm	
2.7.6	It shall be extruded or directly moulded on the core.	Vendor to Confirm	
2.7.7	The interface between the housing and the core must be uniform and without voids.	Vendor to Confirm	
2.7.8	The strength of the bond shall be greater than the tearing strength of the polymer.	Vendor to Confirm	
2.7.9	The manufacturer shall follow non-destructive technique (N.D.T.) to check the quality of jointing of the housing interface with the core.	Vendor to Confirm	
2.7.10	The technique being followed with detailed procedure and sampling shall be finalized during finalization of MQP.	Vendor to Confirm	
2.7.11	The weather sheds of the insulators shall be of alternate shed profile as per IEC 60815-3. The weather sheds shall be vulcanized to the sheath (extrusion process) or moulded as part of the sheath (injection moulding process) and free from imperfections.	Vendor to Confirm	

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ANNEXURE-D

Spec No. : BCE/PS/420/61 Rev 00			Date: 16.05.2026
SR.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED	REMARKS
2.7.12	The vulkanization for extrusion process shall be at high temperature and for injection moulding shall be at high temperature & high pressure.	Vendor to Confirm	
2.7.13	Any seams / burrs protruding axially along the insulator, resulting from the injection moulding process shall be removed completely without causing any damage to the housing.	Vendor to Confirm	
2.7.14	The track resistance of housing and shed material shall be class 1A4.5 according to IEC 60587.	Vendor to Confirm	
2.7.15	The strength of the weather shed to sheath interface shall be greater than the tearing strength of the polymer.	Vendor to Confirm	
2.7.16	The composite insulator shall be capable of high pressure washing.	Vendor to Confirm	
2.8	End fittings shall be free from cracks, seams, shrink, air holes and rough edges.	Vendor to Confirm	
2.9	End fittings should be effectively sealed to prevent moisture ingress, effectiveness of sealing system must be supported by test documents.	Vendor to Confirm	
2.10	All surfaces of the metal parts shall be perfectly smooth with the projecting points or irregularities which may cause corona.	Vendor to Confirm	
2.11	All load bearing surfaces shall be smooth and uniform so as to distribute the loading stresses uniformly.	Vendor to Confirm	
2.12	Clamps and fittings shall be of hot dip galvanised/stainless steel.	Vendor to Confirm	
2.13	No arcing horns shall be provided on the bushings.	Vendor to Confirm	
2.14	Spare Bushing shall be specially packed suitable for long storage with non-returnable.	Vendor to Confirm	
2.15	Bushing shall be specially packed to avoid any damage during transit and suitable for long storage, with non-returnable packing wooden boxes with hinged type cover. Without any gap between wooden planks. Packing Box opening cover with nails/screws type packing arrangement shall not be acceptable.	Vendor to Confirm	

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ANNEXURE-D

Spec No. : BCE/PS/420/61 Rev 00			Date: 16.05.2026	
SR.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED	REMARKS	
2.16	In case of RIP bushing with polymer housing, Bushing oil end portion shall be fitted with metal housing with positive dry air pressure and a suitable pressure monitoring device shall be fitted (on the metal housing during storage to avoid direct contact with moisture with epoxy.	Vendor to Confirm		
2.17	Alternatively, oil filled metal housing / tank with suitable arrangement for taking care oil expansion due to temperature variations shall also be acceptable. Tank shall have necessary provision for oil filling, level gauge etc. Manufacturer shall submit drawing/ documents of packing for approval during detail engineering.	Vendor to Confirm		
2.18	Detail method for storage of bushing including accessories shall be brought out in the instruction manual.	Vendor to Confirm		
2.19	Tan delta measurement at variable frequency (in the range of 20 Hz to 350 Hz, at multiple of 17 Hz and applied voltage shall be 2 – 5kV) shall be carried out on each condenser type bushing at manufacturing works as routine test before despatch and the result shall be compared at site during commissioning to verify the healthiness of the bushing. No temperature correction factor shall be applicable for tan delta.	Vendor to Confirm		
2.20	Tan delta value of RIP condenser bushing at site shall be 0.005 (max) in temperature range of 20 deg C to 90 deg C. The measured Tan delta value at site of in-service bushing should not exceed by 0.001 w.r.t. factory results (measured at approx. similar temperature conditions) during warranty period.	Vendor to Confirm		
2.21	If the bushing Tan delta goes beyond 0.005 or increase is more than 0.001 within the warranty period w.r.t. pre-commissioning values, the supplier shall arrange to replace the defective bushing by new one free of cost.	Vendor to Confirm		
2.22	Valid type test report for all type tests as per IEC : 60137 (2017) for 420 KV of similar design conducted not earlier than 07 years from the bid opening date, shall be submitted alongwith the bid.	Vendor to Confirm		

ANNEXURE-D

Spec No. : BCE/PS/420/61 Rev 00				Date: 16.05.2026
SR.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED	REMARKS	
2.23	The type tests conducted should have either been conducted in accredited laboratory (accredited based on ISO/ IEC Guide 25/ 17025 or EN 45001 by the national accreditation body of the country where laboratory is located) or witnessed by client / third party.	Vendor to Confirm		
2.24	Type Tests reports should include the following tests also, (i) Seismic Test (ii) Snap back Test	Vendor to Confirm		
2.25	In absence of valid type test report as mentioned above under Cl.No. 2.22, 2.23 & 2.24, the offer is liable to be rejected.	Vendor to Confirm		
3	Technical Parameters			
3.1	Rated Voltage	420 kV	Vendor to Confirm	
3.2	Rated Current (Min.)	1750 A	Vendor to Confirm	
3.3	Lightning impulse withstand voltage	1425 kVp	Vendor to Confirm	
3.4	Switching impulse Withstand Voltage	1050 kVp	Vendor to Confirm	
3.5	One minute power frequency withstand voltage	695 kVrms	Vendor to Confirm	
3.6	Minimum total creepage distances	31 mm / kv (min)	Vendor to Confirm	
3.7	Tan delta of bushings	< 0.004	Vendor to Confirm	
3.8	Max partial discharge level at Um	< 10 pC	Vendor to Confirm	
3.9	Test tap voltage withstand level	2 kVrms	Vendor to Confirm	
3.10	CT space min.	400 mm	Vendor to Confirm	
3.11	Maximum Oil End Length (without shield)	1640mm	Vendor to Confirm	
3.12	Maximum Flange diameter	720mm	Vendor to Confirm	
3.13	Mounting Flange Hole PCD	660mm	Vendor to Confirm	
3.14	Mounting Flange PCD Hole dia & qty	24mm x 12 nos.	Vendor to Confirm	
3.15	Maximum oil end diameter	350mm	Vendor to Confirm	

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ANNEXURE-D

Spec No. : BCE/PS/420/61 Rev 00			Date: 16.05.2026	
SR.NO.	DESCRIPTION FOR BHEL REQUIREMENT		SPECIFIED / TO BE CONFIRMED	REMARKS
3.16	Maximum diameter of oil end shield	350mm	Vendor to Confirm	
3.17	Type of Lead	Bottom Palm type	Vendor to Confirm	
3.18	Min. Arcing Length	3500mm	Vendor to Confirm	
4.0	DOCUMENTATION : Following documents in English language should be submitted along with the bid for our evaluation		Vendor to Confirm	
4.1	OGA Drawing		Vendor to submit	
4.2	Guaranteed Technical Particulars		Vendor to submit	
4.3	Manufacturing Quality Plan		Vendor to submit	
4.4	Type test reports		Vendor to submit	
4.5	Catalogues, O&M Manuals		Vendor to submit	
5.0	GUARANTEE :			
5.1	12 months from the date of commissioning of the system and 18 months from the date of supply, whichever is later.		Vendor to Confirm	
6.0	ROUTINE TEST INSPECTION:			
6.1	Routine tests may be witnessed by BHEL/ CUSTOMER representatives at supplier's works.		Vendor to confirm	
6.2	Air-fare, boarding & lodging for the BHEL / CUSTOMER representatives shall be borne by BHEL/ CUSTOMER.		Vendor to note	
6.3	Competent, English speaking experts shall be arranged by the vendor during inspection.		Vendor to Confirm	

Checked By: Mahendra Kurre
AGM (BCE)

Prepared By: Singiren.E.Kandulna
Mgr (BCE)

ANNEXURE-I

FIRST ANGLE PROJECTION (ALL DIMENSION ARE IN mm)

OIL END DETAILS

MOUNTING FLANGE DETAILS

DESCRIPTION		420kV
BIL kVp		1425, 1550 (for GT)
Creepage Distance (mm)		13020
Current Rating (A)		1250
Type of lead		Solid Stem (SS)

DIMENSION DETAILS:-

SYMBOL	DESCRIPTION	420kV
L2±5	Length between bottom seat of flange & bottom of the oil end shield/stress relieving electrode/oil end terminal whichever is the longest.	1640
L6(min)	Length for accommodating bushing current transformer (BCT)	400
D2(max)	Maximum diameter of oil immersed end	350
D3±2	Outside diameter of fixing flange	720
D4±1(PCD)	Pitch circle diameter of fixing holes of flange	660
D5xN	Diameter of fixing hole & Number of fixing holes	24x12
D6(max)	Maximum diameter of oil and shield/stress relieving electrode	350
L11	Horizontal distance between holes for bushing bottom connection for 4 holes connection	-
L12	Vertical distance between holes for bushing bottom connection for 4 holes connection	-
L13	Vertical distance between holes for bushing bottom connection for 2 holes connection	40
D7	Diameter of hole for bushing bottom connection for 2 hole connection,	Ø14
D8	Diameter of hole for bushing bottom connection for 4 hole connection,	-
	Diameter of Air End Terminal	Ø60
	Length of Air End Terminal	125

NOTES:- 1. ALL DIMENSION ARE IN M.M.
2. NO POSITIVE TOL. WHERE MAX. DIMENSION SPECIFIED
AND NO NEG. TOL. WHERE MIN. DIMENSION IS SPECIFIED.

BHARAT HEAVY ELECTRICALS LTD.
BHOPAL

NAME	SIGN.	DATE	NO. OF
DRN. PRADEEP	Sd/-	10.08.22	VAR.
CKD. BRM/SEK	Sd/-	10.08.22	-
APPD. M.KURRE	Sd/-	10.08.22	-

INVENTORY NO.	SING. AND DATE	REF. DRG. NO.	DEPT.	CODE OF TOL. DIM.	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEMS
			BCE	C/M/F	NTS	-			

TITLE: STD. DIMN. FOR 245kV-1250/2000A & 420kV-1250A
RIP CONDENSER BUSHINGS (LOWER PORTION)

DRAWING NO. BCE-4-1492

SHEET NO. 01 NO. OF SHEETS 01

SIZE A4

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ANNEXURE-E

BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF 420 KV OIL TO SF6 RIP BUSHINGS

NOTE:-

1	The "Offered" Column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.	
2	The offer and all documents enclosed with offer should be in English language only.	
NAME & ADDRESS OF THE SUPPLIER : TELEPHONE NOS.: FAX NOS.: E-MAIL ADDRESS :		
NAME & ADDRESS OF THE INDIAN AGENT : TELEPHONE NOS.: FAX NOS.: E-MAIL ADDRESS :		
SCOPE: SUPPLY OF 420 KV, 1250A, BIL - 1550KV, P.FREQ VOLTAGE - 750KVrms, RESIN IMPREGNATED PAPER (RIP) OIL TO SF6 CONDENSER BUSHINGS COMPLYING WITH THE SPECIFICATIONS AS BELOW :		
SR.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED
1.0	WORKPIECE MATERIAL	
1.1	Item : 420 KV, 1250A, BIL - 1550KV, P.Freq. Voltage - 750KV rms, Resin Impregnated Paper (RIP) Oil to SF6 Condenser Bushing as per IEC 60137 (2017) and IEC 62271-211(2014, Cor 2015/latest Rev)	Vendor to note
2.0	SPECIFICATION :	
2.1	Bushing shall be homogeneous, non-porous and free from cavities. The oil side & SF6 side shall be suitably pressed together and shall have provision for oil expansion, with facilities for controlling the pressure in the bushing. The gas side of the bushing shall be sealed by suitable 'o-ring'. The measures to be provided to prevent flow of SF6 gas into the transformer oil and vice versa shall be listed in the offer.	Vendor to Confirm

ANNEXURE-E

Spec No. : BCE/PS/420/61 Rev 00		Date: 28.03.2026		REMARKS	
SR.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED			
2.2	The bushings shall be fitted with self-grounded measuring tap for checking the power-factor and capacitance with the flange grounded.	Vendor to Confirm			
2.3	Bushing shall be have provision for corona ring / stress shield, which should be supplied alongwith the bushing.	Vendor to Confirm			
2.4	Bushing shall be provided with 4 lifting eyes at the flange. Vibration compensator shall be provided to prevent transmission of vibrations from transformer to SF6.	Vendor to Confirm			
2.5	The oil pressure shall be monitored with provision of pressure indication & alarms for both excessive pressure rise and drop.	Vendor to Confirm			
3.0	TECHNICAL PARAMETERS:				
3.1	Type of Bushing	Oil – SF6 RIP Bushing	Vendor to Confirm		
3.2	Rated Voltage(Um)	420 kV	Vendor to Confirm		
3.3	Rated Current (min)	1250 A	Vendor to Confirm		
3.4	Rated Short time current	63 kA for 3 sec.	Vendor to Confirm		
3.5	Lightning impulse withstand voltage (Full wave)	1550 kVpeak	Vendor to Confirm		
3.6	Switching impulse withstand voltage	1050 kVpeak	Vendor to Confirm		
3.7	One min. Power frequency withstand voltage(Dry & wet)	750 kVrms	Vendor to Confirm		
3.8	Rated frequency	50 Hz	Vendor to Confirm		
3.9	Partial Discharge level at (Um)	10 pC (max.)	Vendor to Confirm		
3.10	Tan delta upto rated voltage	< 0.004	Vendor to Confirm		
3.11	Test tap voltage withstand	2 kV for one minute	Vendor to Confirm		
3.12	Bushing to comply with	IEC-60137 & 62271-211	Vendor to Confirm		
3.13	Space for CT on oil side	600 mm	Vendor to Confirm		
3.14	Max.Oil end diameter	320 mm (max)	Vendor to Confirm		
3.15	Oil end Length (including oil end shield)	1640 mm	Vendor to Confirm		
3.16	Oil end side stress shield max. diameter	335 mm (max)	Vendor to Confirm		

ANNEXURE-E

Spec No. : BCE/PS/420/61 Rev 00					
Date: 28.03.2026					
REMARKS					
SPECIFIED / TO BE CONFIRMED					
DESCRIPTION FOR BHEL REQUIREMENT					
SR.NO.					
3.17	Gas end Length, diameter & Terminal details	62271-211		Vendor to Confirm	
3.18	Gas side fixing details	16 nos holes of 20mm dia. at PCD = 640mm Flange dia = 690mm Flange thickness = 30mm		Vendor to Confirm	
3.19	Oil side fixing details	12 nos holes of 23mm dia. at PCD = 450mm Flange dia = 500mm Flange thickness = 30mm		Vendor to Confirm	
3.20	Mounting Flange surface to surface height	200mm		Vendor to Confirm	
3.21	Oil side bottom terminal details	2 nos holes of 14mm dia. Vertical pitch = 40mm		Vendor to Confirm	
3.22	Bushing terminals to be silver / tin coated			Vendor to Confirm	
3.23	Please refer dimensional diag no - BCE/420/SF6 at Annexure-I. These dimensions to be ensured.			Vendor to Confirm	
4.0	INSPECTION, TESTING & DISPATCH :				
4.1	All routine tests as per IEC 60137 shall be conducted.				
4.2	Bushing shall conform to IEC 60137 & 62271-611. Valid type test report for all type tests as per IEC 60137 conducted not earlier than 10 years prior to the bid opening date, shall be submitted alongwith the bid. Valid type test report conducted at third party lab or witnessed by third party shall be submitted.				
4.3	In case valid type test report as mentioned under Sr. No. 4.2 above is not available, then vendor has to conduct type test in presence of BHEL / Customer representative before delivery of first lot, at no extra cost. All arrangements including airfare, lodging & boarding, local conveyance shall be arranged by the vendor.				

ANNEXURE-E

Spec No. : BCE/PS/420/61 Rev 00		Date: 28.03.2026	
SR.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED	REMARKS
4.4	Bushing shall be inspected and tested at manufacturer's works in presence of BHEL representative and/ or Customer representative. Minimum 21 days notice shall be given to BHEL for witnessing the tests. 2 copies of test certificates shall be submitted.	Vendor to Confirm	
4.5	Four sets of inspection, routine, acceptance test reports shall be submitted.	Vendor to Confirm	
4.6	The supplier shall furnish a list of all fittings in the dispatch details giving description and quantity of each item. All items shall be properly packed to avoid any damage in transit.	Vendor to Confirm	
4.7	The bidder shall also permit purchaser's representative to witness tests at their works at no extra price.	Vendor to Confirm	
4.8	Air-fare, boarding & lodging for the BHEL /customer's representatives shall be borne by BHEL/ Customer.	Vendor to Confirm	
4.9	Competent, English speaking experts shall be arranged by the vendor during inspection.	Vendor to Confirm	
4.10	Bushing shall be specially packed to avoid any damage during transit and suitable for long storage, with non-returnable packing wooden boxes with hinged type cover. Without any gap between wooden planks. Packing Box opening cover with nails/screws type packing arrangement shall not be acceptable.	Vendor to Confirm	
4.11	Bushing oil end and gas end portions shall be fitted with metal housing with positive dry air pressure and a suitable pressure monitoring device shall be fitted on the metal housing during storage to avoid direct contact with moisture with epoxy.	Vendor to Confirm	
4.12	Alternatively, oil filled metal housing with suitable arrangement for taking care oil expansion due to temperature variations shall also be acceptable. Tank shall have necessary provision for oil filling, level gauge etc. Manufacturer shall submit drawing/ documents of packing for approval during detail engineering.	Vendor to Confirm	
5.0	DRAWINGS & DOCUMENTATION:		
5.1	Duly sealed & signed compliance to technical specification shall be submitted along with technical offer.	Vendor to submit	
5.2	2 sets of outline drawing and technical data sheet of bushing shall be submitted along with their technical offer.	Vendor to submit	

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ANNEXURE-E

Spec No. : BCE/PS/420/61 Rev 00			Date: 28.03.2026	REMARKS
DESCRIPTION FOR BHEL REQUIREMENT		SPECIFIED / TO BE CONFIRMED		
5.3	Bidder shall submit 1 set of type test reports along with their technical offer.	Vendor to submit		
5.4	The successful bidder shall submit 1 set of installation, operation and maintenance manual of bushing. Any special instruction for transportation, handling and storage shall also be submitted by successful bidder.	Vendor to submit		
6.0	GUARANTEE :			
6.1	12 months from the date of commissioning of the system and 18 months from the date of supply, whichever is later.	Vendor to Confirm		

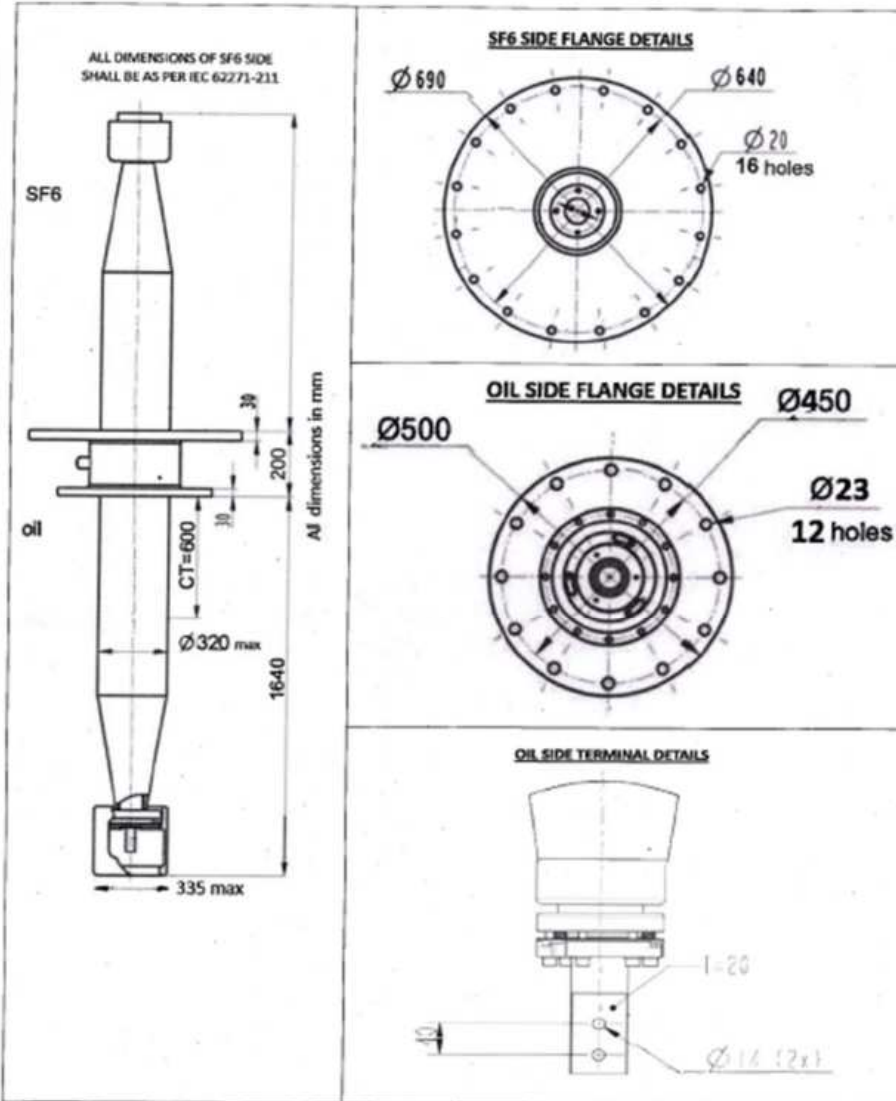
Signature

Prepared By:
 Singhira E. Kandolina
 Sr. Mgr (BCE)

Signature

Approved By:
 Mahendra Kurre
 AGM (CPM, BCM & BCE)

ANNEXURE-I (DRG. NO. BCE/420/SF6)



Notes:

- 1) All dimensions in mm
- 2) Gas end Length, diameter & Terminal details shall be as per IEC 62271-211

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ANNEXURE-F

BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL SPECIFICATION CUM COMPLIANCE CERTIFICATE OF 800 kV OIP CONDENSER BUSHING			
NAME & ADDRESS OF THE SUPPLIER: SCOPE: SUPPLY OF 800 kV, 2500A, CTL - 600mm OIP CONDENSER BUSHINGS COMPLYING WITH THE SPECIFICATIONS AS BELOW :			
		Spec No. : BCE/PS/800/37, Rev02 Date : 05-11-2024	
S.NO.	DESCRIPTION OF BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	REMARKS
1.0	WORKPIECE MATERIAL		
1.1	Item : Oil Impregnated Paper (OIP) Condenser Bushing with porcelain insulator / composite polymer housing as per IEC 60137 (2017), suitable for operating in Seismic Zone No I-III in India as per IS 1893 (Part-1).	Vendor to confirm	
2.0	SPECIFICATION :		
2.1.1	The electrical and mechanical characteristics of bushings shall be in accordance with IEC: 60137:2017 / DIN 42530	Vendor to confirm	
2.1.2	Bushings shall be robust and designed for adequate cantilever strength to meet the requirement of seismic condition, substation layout and movement along with the spare transformer with bushing erected and provided with proper support from one foundation to another foundation within the substation area.		
2.2	Valid type test reports as per IEC:60137 (2017) for similar 800 kV OIP bushings , conducted <u>within last 7(seven) years prior to the date of bid opening</u> shall be submitted alongwith the bid.	Vendor to confirm and submit the test reports alongwith the bid	


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ANNEXURE-F

Spec No. : BCE/PS/800/37, Rev02 Date : 05-11-2024		REMARKS	
S.NO.	DESCRIPTION OF BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	
2.2.1	The type tests conducted earlier should have either been conducted in an accredited laboratory (accredited based on ISO/ IEC Guide 25/ 17025 or EN 45001 by the national accreditation body of the country where laboratory is located) or witnessed by client / third party.	Vendor to confirm	
2.2.2	Type Tests reports should include Seismic Test.(in line with Sr. No. 1.1)	Vendor to confirm	
2.2.3	In case valid type test report as mentioned under Sr. Nos. 2.2.2.2.1 & 2.2.2 above is not available, then vendor has to conduct type test in presence of BHEL / Customer representative before delivery of first lot, at no extra cost to BHEL.	Vendor to confirm	
2.3	The porcelain bushings must be shipped in crates to prevent them from breaking. The bushings can be packed in a slanted position on their own support so that the bushing insulation is always covered with oil. Each bushing must be lying on a solid base and protected by adequate filling material to avoid free-movement during transportation. If the manufacturer deems it necessary, the bushings can be strapped with nylon belts to block them in place.	Vendor to confirm	
2.3.1	Hollow column insulator shall be manufactured and tested in accordance with IEC-62155 / IS:5621. The insulators shall also conform to IEC 60815 as applicable.	Vendor to confirm	
2.3.2	Bushings insulators shall be designed to have ample insulation, mechanical strength and rigidity for the conditions under which they will be used.	Vendor to confirm	

Signature

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ANNEXURE-F

Spec No. : BCE/PS/800/37, Rev02 Date : 05-11-2024		SPECIFIED / TO BE CONFIRMED BY		REMARKS
S.NO.	DESCRIPTION OF BHEL REQUIREMENT	Vendor to confirm		
2.3.3	All the porcelain shall have adequate physical properties and glazing of the porcelain shall be uniform brown in colour, free from blisters, burrs and similar other defects.	Vendor to confirm		
2.3.4	Insulators shall be manufactured from high quality porcelain. Porcelain used shall be homogeneous, free from laminations, cavities and other flaws or imperfections that might affect the mechanical or dielectric quality and shall be thoroughly vitrified tough and impervious to moisture.	Vendor to confirm		
2.3.5	Bushing porcelain shall be robust and capable of withstanding the internal pressures likely to occur in service.	Vendor to confirm		
2.3.6	The design and location of clamps and the shape and the strength of the porcelain flange securing the bushing to the tank shall be such that there is no risk of fracture.	Vendor to confirm		
2.3.7	All portions of the assembled porcelain enclosures and support insulators other than gaskets, which may in any way be exposed to the atmosphere shall be composed of completely non hygroscopic material such as metal or glazed porcelain.	Vendor to confirm		
2.3.8	All iron parts shall be hot dip galvanized and all joints shall be air tight. Surface of joints shall be trued up porcelain parts by grinding and metal parts by machining. All load bearing surfaces shall be smooth and uniform so as to distribute the loading stresses uniformly. Insulator/bushing design shall be such as to ensure a uniform compressive pressure on the joints.	Vendor to confirm		
2.3.9	Bottom stress shield with bolted fixing arrangement shall be supplied.	Vendor to confirm		

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Bharat Heavy Electricals Limited

(A Govt of India Undertaking)

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Tel: 5102412554, 9406903702

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ANNEXURE-F

S.NO.		DESCRIPTION OF BHEL REQUIREMENT	Spec No. : BCE/PS/800/37, Rev02 Date : 05-11-2024	SPECIFIED / TO BE CONFIRMED BY	REMARKS
2.3.10		Bottom stress shield insulated with 5mm pressboard shall be supplied. It shall be duly packed in moisture proof condition and supplied alongwith bushing.		Vendor to confirm	
2.4		The bidder may also offer composite silicon rubber insulator, conforming to IEC- 61462.		Vendor to confirm	
2.4.1		The hollow silicone composite insulators shall comply with the requirements of the IEC publications IEC 61462 and the relevant parts of IEC 62217.		Vendor to confirm	
2.4.2		The design of the composite insulators shall be tested and verified according to IEC 61462 (Type & Routine test).		Vendor to confirm	
2.4.3		Polymer / composite insulator shall be seamless sheath of a silicone rubber compound.		Vendor to confirm	
2.4.4		The housing & weather sheds should have silicon content of minimum 30% by weight.		Vendor to confirm	
2.4.5		It should protect the bushing against environmental influences, external pollution and humidity.		Vendor to confirm	
2.4.6		It shall be extruded or directly moulded on the core.		Vendor to confirm	
2.4.7		The interface between the housing and the core must be uniform and without voids.		Vendor to confirm	

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2.4.8		The strength of the bond shall be greater than the tearing strength of the polymer.		Vendor to confirm	
2.4.9		The manufacturer shall follow non-destructive technique (N.D.T.) to check the quality of jointing of the housing interface with the core.		Vendor to confirm	
2.4.10		The weather sheds of the insulators shall be of alternate shed profile as per IS/ IEC 60815-3. The weather sheds shall be vulcanized to the sheath (extrusion process) or moulded as part of the sheath (injection moulding process) and free from imperfections.		Vendor to confirm	
2.4.11		The vulcanization for extrusion process shall be at high temperature and for injection moulding shall be at high temperature & high pressure.		Vendor to confirm	
2.4.12		Any seams / burrs protruding axially along the insulator, resulting from the injection moulding process shall be removed completely without causing any damage to the housing.		Vendor to confirm	
2.4.13		The track resistance of housing and shed material shall be class 1A4.5 according to IEC 60587.		Vendor to confirm	
2.4.14		The strength of the weather shed to sheath interface shall be greater than the tearing strength of the polymer.		Vendor to confirm	
2.4.15		The composite insulator shall be capable of high pressure washing.		Vendor to confirm	

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ANNEXURE-F

S.NO.		DESCRIPTION OF BHEL REQUIREMENT	Spec No. : BCE/PS/800/37, Rev02 Date : 05-11-2024	SPECIFIED / TO BE CONFIRMED BY	REMARKS
2.5		When operating at normal rated voltage there shall be no electric discharge between the conductors and bushing which would cause corrosion or injury to conductors, insulators or supports by the formation of substances produced by chemical action.		Vendor to confirm	
2.6		No radio interference shall be caused by the bushings when operating at the normal rated voltage. All surfaces of the metal parts shall be perfectly smooth with the projecting points or irregularities which may cause corona.		Vendor to confirm	
2.7		End fittings shall be free from cracks, seams, shrinks, air holes and rough edges.		Vendor to confirm	
2.8		End fittings should be effectively, sealed to prevent moisture ingress, effectiveness of sealing system must be supported by test documents.		Vendor to confirm	
2.9		All load bearing surfaces shall be smooth and uniform so as to distribute the loading stresses uniformly.		Vendor to confirm	
2.10		Clamps and fittings shall be of hot dip galvanised/stainless steel.		Vendor to confirm	
2.11		Each bushing should be supplied with bushing handling and lifting tools.		Vendor to confirm. List to submitted with offer.	
2.12		Bushings of identical current and voltage ratings must be interchangeable.		Vendor to confirm	
2.13		Oil End dimensions to match as per dwg. no. <u>BCE-4-1491</u> attached at <u>ANNEXURE-I</u>		Vendor to confirm	

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ANNEXURE-F

S.NO.		DESCRIPTION OF BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	REMARKS
2.14		Supplier to submit their Quality Plan for review by BHEL.	Vendor to confirm	
2.15		Corona Shield shall be provided at 800KV Bushing terminal (Air End) to minimise corona.	Vendor to confirm	
2.16		Bushing shall be specially packed to avoid any damage during transit and suitable for long storage, with non-returnable packing wooden boxes with hinged type cover. Without any gap between wooden planks. Packing Box opening cover with nails/screws type packing arrangement shall not be acceptable.	Vendor to Confirm	
2.17		Detail method for storage of bushing including accessories shall be brought out in the instruction manual.	Vendor to Confirm	
2.18		Tan delta measurement at variable frequency (in the range of 20 Hz to 350 Hz in the multiple of 17Hz with applied voltage 2KV-5KV) shall be carried out on each bushing at bushing manufacturing works as routine test before dispatch and the result shall be compared at site during commissioning to verify the healthiness of the bushing. No temperature correction factor shall be applicable for tan delta.	Vendor to Confirm	
2.19		Tan delta value of OIP condenser bushing shall be 0.004 (max) measured at ambient temperature. The measured tan delta value at site of in service bushing should not exceed by 0.001 w.r.t factory results during warranty period.	Vendor to Confirm	

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ANNEXURE-F

S.NO.		DESCRIPTION OF BHEL REQUIREMENT	Spec No. : BCE/PS/800/37, Rev02 Date : 05-11-2024	SPECIFIED / TO BE CONFIRMED BY	REMARKS
2.20		If within the warranty period the bushing Tan delta goes beyond 0.004 or increase is more than 0.001 in case of in service bushing at site, the supplier shall arrange to replace the defective bushing by new one free of cost.		Vendor to Confirm	
3.0		Technical Parameters			
3.1		Rated Voltage	800 kV	Vendor to Confirm	
3.2		Rated Current (Mln.)	2500 A	Vendor to Confirm	
3.3		Lightning impulse withstand voltage	2100 kVp	Vendor to Confirm	
3.4		Switching impulse withstand voltage	1550 kVp	Vendor to Confirm	
3.5		One minute power frequency withstand voltage	970 kVrms	Vendor to Confirm	
3.6		Minimum total creepage distances	24800 mm (3! mm/kV)	Vendor to Confirm	
3.7		Tan delta of bushings	≤ 0.004	Vendor to Confirm	
3.8		Max partial discharge level at Um	$< 10 \text{ pC}$	Vendor to Confirm	
3.9		Test tap voltage withstand level	2 kVrms	Vendor to Confirm	
3.10		Corona Extinction Voltage	508 kV rms	Vendor to Confirm	
3.11		Oil end length excluding bottom terminal & shield (mm)	1955mm	Vendor to Confirm	
3.12		Air End Terminal dia. & Length (mm)	Dia = 60mm, Length = 125mm	Vendor to Confirm	
3.13		Bottom porcelain max. dia. (mm)	528 mm	Vendor to Confirm	
3.14		Flange, PCD	12 holes, dia. 32 mm equally spaced on PCD 711 mm Diameter 780mm	Vendor to Confirm	

[Signature]

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ANNEXURE-F

S.NO.		DESCRIPTION OF BHEL REQUIREMENT		Spec No. : BCE/PS/800/37, Rev02 Date : 05-11-2024	SPECIFIED / TO BE CONFIRMED BY	REMARKS
3.15	CT space min.		600 mm		Vendor to Confirm	
3.16	Type of Lead		Solid Stem.Bottom connected		Vendor to Confirm	
3.17	No of holes,depth of bolt & hole diameter for oil end terminal		6 nos, depth = 20mm, hole dia = 12mm		Vendor to Confirm	
3.18	Oil End Shield diameter(max)		420mm		Vendor to Confirm	
4.0	DOCUMENTATION : Following documents in English language should be submitted along with the bid for our evaluation.				Vendor to Confirm	
4.1	OGA Drawing				Vendor to submit	
4.2	Type test reports				Vendor to submit	
4.3	Instruction manual				Vendor to submit	
4.4	Quality Plan				Vendor to submit	
5.0	ROUTINE TEST INSPECTION:				Vendor to confirm	
5.1	Routine tests to be conducted on all bushings as per IEC 60137:2017. The routine tests may be witnessed by BHEL/customer/TPIA at supplier's works.				Vendor to confirm	

Prepared By:

Singhvi E.Kandulaa
Manager (BCE)

Checked By:

Kulamani Naik
SDGM (BCE)

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ANNEXURE-I

FIRST ANGLE PROJECTION (ALL DIMENSION ARE IN. mm)

OIL END DETAILS

MOUNTING FLANGE DETAILS

BOTTOM CONNECTION DETAILS

DESCRIPTION	420kV	800kV
BIL kVp	1425 1550 (for GT)	2100
Creepage Distance (mm) (min.)	13020	24800
Current Rating (A)	2500	2500
Type of lead	Solid Stem(SS)	Solid Stem(SS)

SYMBOL	DESCRIPTION	420kV	800kV
L2±5	Length between bottom seal of flange & bottom of the oil end shield/stress relieving electrode /oil end terminal whichever is the longest.	1335	1955
L6(min)	Length for accommodating bushing current transformer (BCT)	600	600
D2(max)	Maximum diameter of oil immersed end	350	528
D3±2	Outside diameter of fixing flange	480	780
D4±1(PCD)	Pitch circle diameter of fixing holes of flange	430	711
D5xN	Diameter of fixing hole & Number of fixing holes	20x8	32x12
D6(max)	Maximum diameter of oil end shield/stress relieving electrode	350	420
D8	Diameter of hole for oil end terminal	Ø12	Ø12
No. of holes and depth of bolt for Oil End Terminal	6, 20	6, 20	
Diameter of Air End Terminal	Ø60	Ø60	
Length of Air End Terminal	125	125	

NOTES:- 1. ALL DIMENSION ARE IN M.M.
2. NO POSITIVE TOL. WHERE MAX. DIMENSION SPECIFIED
AND NO NEG. TOL. WHERE MIN. DIMENSION IS SPECIFIED.

NAME	SING.	DATE	NO. OF VAR.
DRN: PRADEEP	Sd/-	10.08.22	-
CHKD: BRM/SEK	Sd/-	10.08.22	-
APPD: M.KURRE	Sd/-	10.08.22	-

DEPT.	CODE OF	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEMS
BCE	FOR DIV C/M/F	NTS	-	-	-	-

TITLE: STD. DIMN. FOR 420kV-2500A & 800kV-2500A
OIP CONDENSER BUSHINGS (LOWER PORTION)

DRAWING NO. BCE-4-1491

SHEET NO. 01 NO. OF SHEETS 01

REV. 00

 Rev JHS 2055A -04	GENERAL TERMS AND CONDITIONS FOR PROCUREMENT OF GOODS
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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. In case of any inconsistency, conflicts or contradiction among any of the contract documents, the interpretations will be based on the following order of precedence: - Amendments to Purchase Order/ Framework Agreement - Purchase Order/ Framework Agreement - Letter of intent (LOI)/ Letter of Award (LOA) - Minutes of meeting or Clarifications agreed between Buyer and Seller as regards to the tender or the bidding conditions - Corrigenda to NIT, with those of later date having precedence over those of earlier date - Original NIT and annexures except documents listed in point no (vii) to (ix) below - Technical specifications including their annexures - Special Terms and condition of Enquiry (STC) - General Terms & Conditions for Procurement of Goods
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	Through eProcurement - Interested bidders/suppliers shall submit their offer through e-procurement mode at https://eprocurebhel.co.in/nicgep/app - Offers in any other mode will not be accepted. - Procedure for submission of tender is available in the "Bidder Manual Kit" at e-tender portal https://eprocurebhel.co.in/ - In case of any difficulty encountered during registration on BHEL's e-Procurement portal developed by NIC, bidders may contact the Help Desk at the telephone number and email ID provided on the "Contact Us" page of the portal. - Before uploading scanned documents if any, the bidders shall sign on all the statements, documents, certificates etc uploaded by him, owning responsibility for their correctness / authenticity. - Disclaimer clause: Bidders shall be responsible for obtaining Digital Signature Certificate (DSC), registration on the portal and timely submission of bids. BHEL shall not be responsible for network delays, portal issues at bidder end or incomplete uploads. Neither the Organization (Bharat Heavy Electricals Ltd.) nor the service provider is responsible for any failure of submission of bids due to failure of internet or other connectivity problems or reasons thereof. Bidders are advised not to wait until the last moment for submission of their bids. Bids should be submitted well in advance of the closing date and time so as to avoid any last-minute technical glitches, connectivity issues or portal-related difficulties. BHEL shall not entertain any request for extension of bid submission deadline on account of such delays attributable to the bidder.
B	Through Conventional Mode (Tender Box) 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. Part – I bid In case of Two-part Bid, Part – I bid i.e. Technical bid containing (i) technical offer, (ii) Mandatory Sheet, (iii) unpriced copy of the Price Bid, (iv) EMD (if called in NIT) (v) Relevant documents of PQR (if called in NIT), and (vi) any other document(s) required as per NIT/Tender Conditions 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. Part –II Bid 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.

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	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. In case, the bids are not submitted in the manner stated above, the offer of the bidder(s) may be liable for rejection. 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. 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. Offer received after 13.15 hrs of the due date will be termed as "Late" and will not be considered.
	Instructions Applicable Both for eProcurement and Conventional Mode (Tender Box) NITs
C	BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com or https://www.bhel.com/guidelines-reverse-auction-2024). If tender specific conditions call for reverse auction, RA shall be conducted among the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed price bid along with applicable loading, if any, shall be considered for ranking. Bidders to give their acceptance with the offer for participation in RA.
D	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.
E	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.
F	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.
G	Whenever specified /called in special /additional /tender specific remarks of NIT the Bid Security/ Earnest Money Deposit (EMD)] is to be submitted by bidders along with their bids in full as per the amount indicated in the NIT (except Micro and Small Enterprises (MSEs) or Startups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT)). Modes of deposit a) The EMD may be accepted only in the following forms: - Electronic Fund Transfer credited in BHEL account (before tender opening). - Banker's cheque/ Pay order/ Demand draft, in favour of BHEL and payable at BHEL Jhansi(along with offer) - Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL marking lien in favour of BHEL) (along with offer). The Fixed Deposit in such cases shall be valid for a period of 45 (forty-five) days beyond the final bid validity period. - Bank Guarantee from any of the Scheduled Banks. In such cases shall be valid for a period of 45 (forty-five) days beyond the final bid validity period. - Insurance Surety Bonds. b) In case the EMD is more than Rupees Two lakh and in case of foreign bidders, it may be in the form of a bank guarantee (in equivalent Foreign Exchange amount, in case of foreign bidders) issued/ confirmed from any of the scheduled commercial bank in India in an acceptable form. The EMD shall remain valid for a period of 45 (forty-five) days beyond the final bid validity period.

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	Forfeiture of EMD (i) A bidder's EMD will be forfeited if the bidder withdraws or amends its/ his tender or impairs or derogates from the tender in any respect within the period of validity of the tender or if the successful bidder fails to furnish the required performance security within the specified period mentioned in the Tender. (ii) EMD by the tenderer shall be withheld in case any action on the bidder is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and forfeited/ released based on the action as determined under these guidelines. Other Instructions (i) EMD of the unsuccessful bidders should be returned to them at the earliest after expiry of the final bid validity period and latest by the 30th day after the award of the contract. However, in case of two packet or two stage bidding, EMD of unsuccessful bidders during first stage i.e. technical evaluation etc. will be returned within 30 days of declaration of result of first stage i.e. technical evaluation etc. (ii) EMD will be refunded to the successful bidder on conclusion of the order/ receipt of a performance security (as called in the tender). (iii) EMD shall not carry any interest.
H	- 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. - 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. - 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. .
I	The bidders will submit Integrity Pact, duly signed by its authorized signatory, if called for in the enquiry.
J	Wherever the enquiry is issued to unregistered vendor referred by customer of BHEL, the bidder shall submit the Supplier Registration Form (SRF) online at www.bhel.com or https://supplier.bhel.in/. 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.
K	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.
L	Goods shall be consigned to Manager , Stores (CRX), BHEL, Jhansi - 284120, India, unless otherwise specified in the PO.
M	The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the firms debarred across BHEL, shall be rejected. The list of firms debarred across BHEL is available on BHEL web site www.bhel.com or https://www.bhel.com/list-debarred-firms <u>1.0 Integrity commitment, performance of the contract and punitive action thereof:</u> 1.1. Commitment by BHEL: BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity. 1.2. Commitment by Bidder/ Supplier/ Contractor: 1.2.1. The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.



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	1.2.2. The bidder/ supplier/ contractor 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 and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL. 1.2.3. The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL. If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in malpractices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extant guidelines of the company available on www. bhel.com and/or under applicable legal provisions". Guidelines for suspension of business dealings is available in the webpage: http://www.bhel.com/vender_registration/vender.php
N	In case of open tenders(i.e. those published in website), all corrigenda, addenda, amendments, time extensions, clarifications and other communications related to the tender shall be hosted only on the respective enquiry of BHEL on e-procurement portal /or the websites www.bhel.com. Bidders responding to the open tender shall regularly visit the above website(s)/portal and keep themselves updated. BHEL shall not be responsible for any oversight or failure on the part of bidders to note such updates.
O	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.
P	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). In case where the Purchase Order is proposed to be split amongst 'n' bidders and two or more bidders share the same ranking status (other than L-1), the inter-se ranking of such bidders shall be decided by draw of lots amongst the bidders sharing the same ranking status. The concerned bidders shall be informed in advance regarding the conduct of the draw of lots. BHEL's decision in such situations shall be final and binding.
Q	Due to large quantity requirement, BHEL 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. 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. While the manner of distribution is mentioned in the enquiry, the absolute values of the unit of measurement shall be rounded off . For e.g., 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 ≤ 23.4 units, the quantity allocated shall be 23 units. 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

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	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). 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 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, (d) Pendency of orders on the supplier and (e) 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 redistributed amongst other performing and willing vendors of the FA.
R	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>
S	BHEL reserves the right to negotiate with L1 vendor or re-float the tender for items. BHEL reserves the right to decrease the tender quantity in case where negotiation is being held.
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	- 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. - If delivery is linked to approval of documents, time for submission of such documents to be indicated and delivery period to be indicated from approval of documents. - BHEL reserves the right to cancel the order if material is not delivered within PO scheduled delivery. - Suitable action against defaulting vendor will be taken as per Guidelines for suspension of Business Dealings with Suppliers/Contractors available on www.bhel.com or https://bhel.com/guidelines-suspension-business-dealings-supplierscontractors
B	In case of foreign supplies, the date of Bill of Lading (B/L) or AWB shall be taken as actual date of delivery where freight until discharge port in India is in Seller's scope like CFR/CIF/CIP delivery terms. For Ex-works/FCA/FOB or any other delivery term where freight is in buyer's scope, the date Invoice / Packing List / Test Certificate, whichever date is later, shall be reckoned as actual date of delivery (mutually agreed).
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.
E	Transit Insurance
	Except where delivery terms are agreed on CIF/CIP 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.

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5	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) may be liable for rejection.		
B	Foreign Purchase – Imports		
	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. Goods shall be despatched by Sea, unless stated otherwise in the enquiry or purchase order. Terms of Delivery for Sea shipment shall be on CFR / CIF basis with 14 days' detention free period preferably at Nhava Sheva (JNPT-INNSA1) for FCL (Full Container Load) Cargo of GP & HC Containers. Wherever the detention free period offered is less than 14 days, the bids shall be loaded for the period short of 14 days period For other cases - Other than GP & HC Containers, LCL Cargo shall be delivered at Nhava Sheva (JNPT-INNSA1) & Break-bulk Cargo at Mumbai (MPT - INBOM1). For Air consignments, the terms of delivery shall be FCA at BHEL nominated Airport. In case of CIP, delivery shall be at Mumbai ACC (INBOM4). The number of detention free days and destination charges payable to shipping line should be mentioned on the Bill of Lading. Offer received on FOB basis may be considered on an exceptional basis. BHEL will load freight, marine insurance & shipping line port handling charges etc. to work out landed cost at Sea Port. In case of CIP/CFR/CIF, the shipping line should be ready to move the containers to consignee's nominated CFS (Container Freight Station) yard and Indian agent of shipping line should issue Cargo Arrival Notice (CAN) 7 days in advance. In case of CIF/CFR contract, bidder to supply the material through a Certified Sea worthy vessel. The invoices issued by shipping lines must be in the name of BHEL. Otherwise, BHEL will recover loss of Input Credit on GST from the vendor. If cargo is stuffed in container, then the same should be allowed to be moved to CFS of importer's choice without any additional charges. Load port charges shall be settled by the supplier and not be passed on to BHEL in any form of destination charges. For reasons of delay in receipt of documents from suppliers or due to the same being found to be incomplete, and or faulty, the suppliers shall be responsible to reimburse all penalties, detention and demurrages / wharfages, if any paid by BHEL (for stated reasons).		
C	</		



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	a) beyond control of either of the parties to contract, b) either of the parties could not reasonably have provided against the event before entering into the contract, c) having arisen, either of the parties could not reasonably have avoided or overcome, and d) is not substantially attributable to either of the parties And Prevents the performance of the contract, Such circumstances include but shall not be limited to: i) War, hostilities , invasion, act of foreign enemies. ii) Rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war. iii) Riot, commotion or disorder by persons other than the contractor's personnel and other employees of the contractor and sub-contractors. iv) Strike or lockout not solely involving the contractor's personnel and other employees of the contractor and sub-contractors. v) Encountering munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the contractor's use of such munitions, explosives, radiation or radio- activity. vi) Natural catastrophes such as earthquake, tsunami, volcanic activity, hurricane or typhoon, flood, fire, cyclones etc. vii) Epidemic, pandemic etc.																					
B.	The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party: a) any strike, work-to-rule action, go-slow or similar labour difficulty; (b) late delivery of equipment or material (unless caused by Force Majeure event); and (c) economic hardship.																					
C.	If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within 15 (fifteen) days after the occurrence of such event.																					
D.	The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The Time for Completion shall be extended by a period of time equal to period of delay caused due to such Force Majeure event.																					
E.	Delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall not i) Constitute a default or breach of the Contract. ii) Give rise to any claim for damages or additional cost expense occasioned thereby, if and to the extent that such delay or non-performance is caused by the occurrence of an event of Force Majeure.																					
F.	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.																					
7	LD / Penalty for delayed performance.																					
A	i) Penalty for late delivery shall be 0.5% per week of delay or part thereof of the contract value (excluding taxes) of the goods/service received beyond scheduled delivery date, subject to a maximum of 10% of the contract value of the goods/service (excluding taxes) received beyond scheduled delivery date owing to delayed delivery. Illustrative Example for Calculation of LD: Purchase Order No. "XXXXXXX" is placed by BHEL Jhansi on Supplier "A" for a total quantity of 30 Nos. at a unit price of Rs. 100/- each, with lot-wise scheduled delivery as indicated in the table below. Considering the actual delivery against each lot, the consequent LD computation will be as follows:																					
	<table><tr><th>Lot</th><th>PO Qty. (Lot-wise)</th><th>PO Delivery (Scheduled)</th><th>Actual Delivery</th><th>Delay (Days / Weeks)</th><th>Penalty Rate (% / week)</th><th>LD Calculated (Rs.)</th></tr><tr><td>Lot 1</td><td>10 Nos. @ Rs. 100/- Total Item Value: Rs. 1,000/-</td><td>01-04-2026</td><td>On or before 01-04-2026</td><td>NIL</td><td>—</td><td>Rs. 0/-</td></tr><tr><td>Lot 2A</td><td>5 Nos. @ Rs. 100/- Total Item Value: Rs. 500/-</td><td>01-05-2026</td><td>On or before 01-05-2026</td><td>NIL</td><td>—</td><td>Rs. 0/-</td></tr></table>	Lot	PO Qty. (Lot-wise)	PO Delivery (Scheduled)	Actual Delivery	Delay (Days / Weeks)	Penalty Rate (% / week)	LD Calculated (Rs.)	Lot 1	10 Nos. @ Rs. 100/- Total Item Value: Rs. 1,000/-	01-04-2026	On or before 01-04-2026	NIL	—	Rs. 0/-	Lot 2A	5 Nos. @ Rs. 100/- Total Item Value: Rs. 500/-	01-05-2026	On or before 01-05-2026	NIL	—	Rs. 0/-
	Lot	PO Qty. (Lot-wise)	PO Delivery (Scheduled)	Actual Delivery	Delay (Days / Weeks)	Penalty Rate (% / week)	LD Calculated (Rs.)															
Lot 1	10 Nos. @ Rs. 100/- Total Item Value: Rs. 1,000/-	01-04-2026	On or before 01-04-2026	NIL	—	Rs. 0/-																
Lot 2A	5 Nos. @ Rs. 100/- Total Item Value: Rs. 500/-	01-05-2026	On or before 01-05-2026	NIL	—	Rs. 0/-																



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Lot 2B	5 Nos. @ Rs. 100/- Total Item Value: Rs. 500/-	01-05-2026	22-05-2026	21 days = 3 weeks	0.5%	$3 \times 0.5\% \times \text{Rs. } 500/- =$ $1.5\% \times \text{Rs. } 500/- =$ Rs. 7.50/-
Lot 3	10 Nos. @ Rs. 100/- Total Item Value: Rs. 1,000/-	01-07-2026	24-07-2026	23 days = 3 weeks + 2 days = 4 weeks (part thereof)	0.5%	$4 \times 0.5\% \times \text{Rs. } 1,000/- =$ $2\% \times \text{Rs. } 1,000/- =$ Rs. 20/-
Total PO Value: Rs. 3,000/- Value of Delayed Goods: Rs. 1,500/- Total LD Levied: Rs. 27.50/-						
<i>Note: LD is levied exclusively on the value of goods received beyond the scheduled delivery date, and never on the total PO value. In this example, although the total PO value is Rs. 3,000/-, Penalty for Late Delivery is levied only on Rs. 1,500/-, being the aggregate value of delayed lots (Lot 2B: Rs. 500/- and Lot 3: Rs. 1,000/-). For Lot 2B, LD is computed for 3 weeks (21 days exact); for Lot 3, since the delay of 23 days includes a part week beyond 3 complete weeks, it is treated as 4 weeks under the "part thereof" provision, resulting in LD of Rs. 20/-. No penalty for late delivery is levied on timely delivered Lots 1, 2A. The total LD levied is Rs. 27.50/- (Rs. 7.50/- + Rs. 20/-).</i> ii) MTS (Material to Site) cases: In case of BOP/BOI items (such as Oil, NIFPS, DGA, Radiator, Bushings, etc. which are required to be supplied directly to the Project Site from the Vendor's works) as per site requirement, penalty for delay shall be applicable: (a) For delay in manufacturing / successful completion of inspection of goods as per QP/ PO /spec, etc beyond the contractual period/BHEL requirement whichever is later from the date of Manufacturing Clearance issued by BHEL, LD shall be levied as per clause (i) above (b) For delay in delivery beyond the contractual delivery period from the date of Dispatch Clearance to receipt of material at the respective site, penalty for delay shall be applicable as per Clause (i) above. iii) Wherever Erection & Commissioning (E& C) is called for, the vendor is provided a stipulated period from date of site readiness. LD shall be applicable (as per clause (i) above) for any delay beyond the stipulated period mentioned in the PO from the date of call of commissioning. iv) However, in case of Capital items item where services of installation /erecting & commissioning /supervision are desired with supply (Milestone delivery terms), the LD clause as per Capital General Terms & Conditions or as specified in particular tender /Special terms and condition (STC) /Additional terms and conditions (ATC) will be applicable for the same. v) In case of any amendment / revision, the LD shall be linked to the amended / revised PO value. vi) Any loading on LD clause shall be to the extent to which it is not agreed to by the bidder (at offered value). However, no deviation shall be acceptable for 0.5% per week or part thereof as mentioned in clause (i) above Example – If any bidder agrees for maximum LD 4% instead of 10 %, loading of 6% on quoted price will be considered for evaluation purpose. In case a supply is rejected after receipt of the material at BHEL Jhansi and the same is replaced at a later date, the date of replacement of accepted supply shall be reckoned for calculation of LD. However, where a supply has initially been accepted at BHEL Jhansi and is rejected at a later stage, LD shall be levied as per Clause (i) above if the replacement supply is received beyond the scheduled delivery date as per the original Purchase Order, with the date of rejection intimation to the Supplier reckoned as the start date and the date of receipt of replacement supply at BHEL Jhansi reckoned as the end date for calculation of such LD.						
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	In case of Ex works Delivery terms for Indigenous supplies, the date of LR shall be reckoned for LD deduction. In case of FOR Delivery terms, the date of entry in BHEL Jhansi shall be reckoned for LD deduction. In case of material to be delivered directly to site instead of BHEL Jhansi the date of receipt of material (<i>site certification for receipt of materials</i>) at site shall be reckoned for LD deduction.					

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	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. In case of FOB / CIF / CFR / CIP Delivery terms, the date of Bill of Lading/HAWB , shall be reckoned for LD deduction.
8	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 CFR/CIF price quoted will be deemed to be inclusive of Indian Agency commission. Agency commission as disclosed by the bidder in his quoted CFR/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
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.
9	Documentation:
A	Indigenous Purchase
	The Supplier shall upload all required details and copies of documents on the BHEL portal (https://suvidha.bhel.in/suvidha/) immediately after dispatch of the goods. In case the requisite details/documents are not uploaded on the portal, the material shall not be permitted entry into the BHEL factory premises. It is advisable to upload digitally signed GST compliant invoice for seamless processing of payment. The following documents shall be mandatorily submitted at the BHEL entry gate at the time of material receipt: • GST-compliant Invoice (Original + 2 duplicates) • Original LR + 3 photocopies • Challan / Dispatch Advice Note / Packing List, etc. + 1 photocopy • Test Certificate and Guarantee/Warranty Certificate (as per PO) – 1 set • PVC calculation sheet, if applicable, along with supporting documents – 1 set • E-way bill (wherever required) In addition to the above documents, the following documents related to vehicle/driver shall also be submitted at the material gate: • Copy of RC • Original Driving Licence to be produced at the gate + 1 photocopy for submission • Vehicle Fitness Certificate • Insurance copy <i>In case any other documents are required, the distribution of such documents will be specified in the Purchase order.</i>
B	Foreign Purchase – Imports
	Seller shall send 1 set of following documents, in English, within 7 days of B/L date / 1 day of AWB date by courier to the Purchaser: 1. Original “Clean on board” Bill of Lading / AWB. 2. One set of Commercial Invoice, Packing List indicating container-wise Gross Weight, Net Weight, CBM Volume, No. of packages with dimensions of each package. 3. Original Certificate of Country of Origin (COO) issued by Chamber of Commerce. COO shall be as per requisite format where duty concession is available under Preferential Trade / Comprehensive Economic Partnership / Free



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	Trade Agreement. Customs Tariff Heading (CTH) / Harmonized System of Nomenclature (HSN) code of material should be mentioned on invoice and COO in all such cases. - One set of Original Test Certificates and O&M Manual where called for. - Fumigation / Phyto-Sanitary Certificate wherever cargo is packed in wooden packing or packing of plant origin material is used. - In addition to supplier should additionally forward scanned copy of documents mentioned at point nos. 1 to 5 to the e-mail to the Purchaser given in the PO with one copy to be mailed mssea@bhel.in (for Sea shipment) or msair@bhel.in (for Air shipment). 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. In case any discrepancy is raised by the Bankers / BHEL with respect to the documents submitted, vendor to facilitate clearance of goods through Delivery Order. Additionally, following requirements to be taken care of by the bidder during PO execution stage: - IEC (0588138690), GSTIN (09AAACB4146P2ZC) and email ID of BHEL dealing executive shall be clearly mentioned on B/L or AWB. - In case of CAD payment terms, Supplier shall send documents to BHEL's bank within 5 days of shipment. One set of original may be sent to any one of ROD and MM, copy may be marked to the others. - For Air shipments through non-CONSOL (i.e., not through BHEL ROD's contract), Delivery Order (DO) should be given to BHEL without insisting for Bank Release Order (BRO). AWB to be drawn with BHEL Jhansi as consignee. - It must be ensured that original shipping / commercial documents, if not provided to BHEL outside banking channel, should reach BHEL's bank at least 10 days prior to cargo arrival at port. - Part shipment and trans-shipment to be avoided to the extent possible especially where it is not possible to split shipping & commercial documents. Part shipment shall be strictly avoided for Air shipments
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
10	General: - For Hazardous chemicals, the materials safety data sheet (MSDS) is to be submitted. - All certificates as called must be sent. BHEL may test any goods supplied and their decision is final irrespective of Supplier's certificates. If test certificate and guarantee certificate are not received along with the document and stipulated in these specifications, BHEL reserves the right to get the material tested and recover the expenses from the supplier without awaiting supplier's confirmation - Goods shall be properly packed to avoid transit damage. Suitable markings shall be provided to identify the goods with that of the PO No. and the consignee details. - Goods shall be consigned to Manager (CRX), BHEL, Jhansi - 284120, India, unless otherwise specified in the PO.
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.
12	Price Validity : 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. 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.



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13	Taxes & Duties - Indigenous Purchase
A	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. Bidders to ensure applicability of IGST / CGST/SGST based on the Inter / Intrastate movement of goods. GST Registration Number (GSTIN) should be clearly mentioned on the vendor's quotation. Please quote our GST 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. In the event of any disallowance of input credit or applicability of interest or any other financial liability arises on BHELJhansi due to any default of supplier under GST such implication shall be to supplier's account. In case of directly dispatchable items to Customer's Site, Supplier to bill to BHEL Jhansi at its GST Account number 09AAACB4146P2ZC and ship to the respective Customer 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. 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. 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
B	<i>Wherever GST is not applicable, the tax and duty structure , as applicable, is to be complied by the seller.</i>
C	RCM (Reverse Charge Mechanism): In respect of cases where the liability to discharge GST is on BHEL under reverse charge mechanism, bidders have to ensure timely submission of invoices and delivery of material / services to BHEL, so that there is no mismatch on both activities. In case there is any additional financial liability on BHEL on account of default on the part of the bidder on submission or delivery of material / services the same shall be passed on to them.
D	With reference to section 51 of CGST act 2017 read with notification no 50/2018 – Central tax dated 13.09.2018; BHEL will be liable to deduct TDS under GST with effect from 01.10.2018. Deduction shall be made @ 2% (1% CGST + 1% SGST) or 2% IGST (as applicable) of the payment made or the amount credited. Bidder to generate & submit invoices as per above. The amount of TDS shall be deposited to the Government account and BHEL shall issue TDS certificate to deductees, TDS deposited in the Government account will be reflected in the electronic cash ledger of the deductee who will be able to use the same for payment of tax or any other amount. Deduction of TCS along with additional TDS will be as per prevailing Government guidelines.
E	The Supplier/Vendor shall pay all (save the specific exclusions as enumerated in this clause) taxes, fees, license, charges, deposits, duties, tools, royalty, commissions, other charges, etc. which may be levied on the input goods & services consumed and output goods & services delivered in course of his operations in executing the contract. In case BHEL is forced to pay any of such taxes/duties, BHEL shall have the right to recover the same from his bills or otherwise as deemed fit along with the applicable overheads @5% and interest on the total value (i. e. amount paid by BHEL + overhead) However, provisions regarding GST on output supply (goods/service) and TDS/TCS as per Income Tax Act shall be as per following clauses.
F	GST as applicable on output supply (goods/services) are excluded from Supplier/Vendor's scope; therefore, contractor's price/rates shall be exclusive of GST. Reimbursement of GST is subject to compliance of following terms and conditions.

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	BHEL shall have the right to deny payment of GST and to recover any loss to BHEL on account of tax, interest, penalty etc. for non-compliance of any of the following condition
G	The admissibility of GST, taxes and duties referred in this chapter or elsewhere in the contract shall be limited to direct transactions between BHEL & its Supplier/Vendor. BHEL shall not consider GST on any transaction other than the direct transaction between BHEL & its Supplier/Vendor.
H	Supplier/Vendor has to submit GST registration certificate of the concerned state. Supplier/Vendor also needs to ensure that the submitted GST registration certificate should be in active status during the entire contract period.
I	Supplier/Vendor has to submit GST compliant invoice within the due date of invoice as per GST Law. In case of delay, BHEL reserves the right of denial of GST payment if there occurs any hardship to BHEL in claiming the input thereof. In case of goods, Supplier/Vendor has to provide scan copy of invoice & GR/LR/RR to BHEL before movement of goods starts to enable BHEL to meet its GST related compliances. Special care should be taken in case of month end transactions.
J	Supplier/Vendor has to ensure that invoice in respect of such services which have been provided/completed on or before end of the month should not bear the date later than last working day of the month in which services are performed.
K	Subject to other provisions of the contract, GST amount claimed in the invoice shall be released on fulfilment of all the following conditions by the Supplier/Vendor: - a) Supply of goods and/or services have been received by BHEL. b) Original Tax Invoice has been submitted to BHEL. c) Supplier/Vendor has submitted all the documents required for processing of bill as per contract/ purchase order/ work order. d) In cases where e-invoicing provision is applicable, Supplier/Vendor is required to submit invoice in compliance with e-invoicing provisions of GST Act and Rules made thereunder. e) Supplier/Vendor has filed all the relevant GST return (e.g. GSTR-1, GSTR-3B, etc.) pertaining to the invoice submitted and submit the proof of such return along with immediate subsequent invoice. In case of final invoice/ bill, contractor has to submit proof of such return within fifteen days from the due date of relevant return. f) Respective invoice has appeared in BHEL's GSTR - 2A for the month corresponding to the month of invoice and in GSTR-2B of the month in which such invoices has been reported by the contractor along with status of ITC availability as "YES" in GSTR-2B. Alternatively, BG of appropriate value may be furnished which shall be valid at least one month beyond the due date of confirmation of relevant payment of GST on GSTN portal or sufficient security is available to adjust the financial impact in case of any default by the Supplier/Vendor. g) Supplier/Vendor has to submit an undertaking confirming the payment of all due GST in respect of invoices pertaining to BHEL.
L	TDS as applicable under GST law shall be deducted from Supplier/Vendor's bill.
M	Supplier/Vendor shall comply with the provisions of e-way bill wherever applicable. Further wherever provisions of GST Act permits, all the e-way bills , road permits etc. required for transportation of goods needs to be arranged by the contractor.
N	Supplier/Vendor shall be solely responsible for discharging his GST liability according to the provisions of GST Law and BHEL will not entertain any claim of GST/interest/penalty or any other liability on account of failure of Supplier/Vendor in complying the provisions of GST Law or discharging the GST liability in a manner laid down thereunder.
O	In case declaration of any invoice is delayed by the vendor in his GST return or any invoice is subsequently amended/alterd/deleted on GSTN portal which results in any adverse financial implication on BHEL, the financial impact thereof including interest/penalty shall be recovered from the Supplier/Vendor's due payment.
P	Any denial of input credit to BHEL or arising of any tax liability on BHEL due to non-compliance of GST Law by the Supplier/Vendor in any manner, will be recovered along with liability on account of interest and penalty (if any) from the payments due to the Supplier/Vendor
Q	In the event of any ambiguity in GST law with respect to availability of input credit of GST charged on the invoice raised by the contractor or with respect to any other matter having impact on BHEL, BHEL's decision shall be final and binding on the Supplier/Vendor.



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R	Variation in Taxes & Duties: Where Input Tax Credit (ITC) on the GST charged by the Supplier / Vendor is available and admissible to BHEL under the applicable GST law, the entire GST amount charged shall be reimbursed by BHEL at actual. Where ITC is not available to BHEL, the following provisions on variation in taxes and duties shall apply: Any upward variation in GST shall be considered for reimbursement provided supply of goods and services are made within schedule date stipulated in the contract or approved extended schedule for the reason solely attributable to BHEL. However downward variation shall be subject to adjustment as per actual GST applicability. In case the Government imposes any new levy/tax on the output service/goods after price bid opening, the same shall be reimbursed by BHEL at actual. The reimbursement under this clause is restricted to the direct transaction between BHEL and its Supplier/Vendor only and within the contractual delivery period only. In case any new tax/levy/duty etc. becomes applicable after the date of Bidder's offer but before opening of the price Bid, the Bidder/ Supplier/Vendor must convey its impact on his price duly substantiated by documentary evidence in support of the same before opening of price bid. Claim for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.
S	Income Tax: TDS/TCS as applicable under Income Tax Act, 1961 or rules made thereunder shall be deducted/collected from Supplier/Vendor's bill.
14	Taxes & Duties - Foreign Purchase – Imports
A	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.
15	Payment Terms-
A	Indigenous: 100 % payment (including taxes) 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.. Payments to vendors claiming benefits under the MSME Act shall be considered only upon submission of a valid UDYAM Registration Certificate. MSE benefits shall be extended only to MSE manufacturers for items manufactured by them and offered against the NIT. For the purpose of payment, the MSME status of the vendor as on the date of issuance of the PO shall be applicable for supplies made during the contractual period, subject to any change in status in accordance with prevailing statutory guidelines and the MSE Act. It is hence in the interest of the vendor that they validate the status of Udyam Registration Certificate regularly with BHEL. 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 @ Repo rate (as on date of Part I bid opening) + 4%, for the purpose of bid evaluation.
	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)/House Air Way Bill(HAWB) 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 Repo rate (as on date of Part I bid opening) plus 4%, 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.

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	Payment terms of CAD payable on 120th day of BL / HAWB date shall be preferred. Documents to be submitted as per UCP600 and should reach BHEL/ BHEL's bank at least 7 days prior to vessel arrival.
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	Staggered Payment terms in case of Capital items /Balance of plant (BOP) item where services of installation /erecting & commissioning /supervision is desired with supply of items /goods will be separately mentioned in particular tender remarks /Special terms & condition /Additional terms and condition
E	BHEL Jhansi is registered with (TReDS) platform. MSME bidders are requested to get registered with (TReDS) platform to avail the facility as per the GOI guidelines.
F	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 or BHEL appointed TPIA (Third Party Inspection Agency) 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. Wherever required, BHEL reserves the right to carry out testing of the supplied material at BHEL's testing laboratory or any other approved laboratory. In case the material is found not conforming to the contractual specifications during such testing, the Supplier shall, at its own cost, arrange for replacement and/or rectification of the rejected material within the stipulated time. In the event BHEL undertakes any rectification, rework or any corrective action on such rejected or non-conforming material, the cost incurred towards the same shall be recovered from the Supplier's bills or any other dues payable to the Supplier. Where non-conforming material is used by BHEL, a suitable amount shall be recovered from the Supplier's bills or any other dues payable to the Supplier
C	All costs related to inspections and re-inspections shall be borne by the Bidder. In case of inspection by BHEL and / or BHEL's customer, the cost of to & fro passage and Boarding & Lodging shall be borne by the BHEL / BHEL's customer, unless otherwise specifically agreed. In case of foreign bidders, the cost of third-party inspection, where called for, shall be deemed to be included in the quoted price. Bidder 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	The Supplier shall ensure, prior to dispatch of material, that the supplies fully conform to the applicable BHEL drawings, specifications and Purchase Order requirements. The Supplier shall also ensure that all inspection and testing activities, including those specified in the Quality Plan (wherever applicable), have been duly completed and that test results meet the specified parameters.
E	REJECTION: If any goods are rejected, BHEL shall be at liberty to take action as per following: a) Allow the supplier, wherever mutually agreed, to rectify the rejected goods at BHEL's works within reasonable time as fixed by BHEL. Or b) Allow the supplier to make free replacement within a specified period. Rejected goods shall be lifted by the supplier thereafter. Or



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	c) In case payment has been done, allow supplier to refund equivalent value of rejected material by NEFT / RTGS or furnish Bank Guarantee for same amount before lifting the rejected goods. Fresh replacement shall be regulated as per terms and condition of the original Purchase Order. In case payment has not been done, at instructions from BHEL, supplier has to rectify the rejected goods at supplier's works within reasonable time as fixed by BHEL. Or d) Terminate the contract either in part or in whole at the discretion of BHEL and invoke Breach of Contract clause, if any, from the supplier. Or e) Any goods rejected by BHEL must be removed by the supplier after making payment through NEFT / RTGS within 30 days after receipt of the intimation of rejection. If bidder fails to lift or allow despatch of rejected material at his cost within 90 days from the intimation of rejection, his claim on rejected material shall cease.
F	Material despatched one month prior to the date of despatch shall not be permitted inside BHEL, unless there are instructions otherwise from BHEL. Material entry will only be allowed in cases beyond 8 weeks from the lot contractual date of delivery where vendor has taken approval from BHEL before despatch.
17	Warranty , Corresponding Repairs / Replacement of Goods, and Deductions
A	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 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. 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/GST/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 concessional duty benefits in India, the cost incurred owing to consequent delays, detention and demurrage thereof, will be to the Seller's account.

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	NOTE: Deviations (Commercial as well as Technical) from the tender specifications and conditions are generally not acceptable. However, deviation if any, shall be brought out clearly with proper justification in the offer. The deviation, if considered by BHEL shall be loaded for comparison, while evaluating the offer. If a bidder unconditionally withdraws any deviation before price bid opening, the same shall not be loaded. 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 criterion shall be communicated to all qualified bidders before price bid opening.
19	Recovery / deductions of amount from supplier - Any amount on account of recovery from consignor / supplier under any condition shall be liable to be adjusted against any amount payable to the consignor/supplier against bills. - For any deficiency in supplies where deduction is involved, an amount as decided by BHEL, shall be deducted from supplier's bills.
20	Safety clause for purchase orders 20.1 The Supplier shall ensure that all safety precautions as specified under the Factories Act, 1948 (Chapter IV, Sections 21 to 41) are complied with in respect of equipment and test setups offered for inspection and tests. 20.2 The Supplier shall maintain and ensure all necessary safety measures required for inspection and tests, including but not limited to HV Test, Pneumatic Test, Hydraulic Test, Spring Test, Bend Test and similar tests. If any test equipment is found not complying with the requisite safety requirements, the Inspection Agency may withhold inspection until the desired safety requirements are fully met by the Supplier. 20.3 The Supplier shall comply with the following statutory requirements applicable to the nature of goods supplied / services rendered under this contract: (a) The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and the Amendment Rules, 2000 issued thereunder, as notified by the Central Government. (b) The Motor Vehicles Act and applicable Motor Vehicle Rules, 1989, for transportation of Hazardous Chemicals, Oils and Industrial Gases. (c) The Gas Cylinders Rules, 1981 (as amended from time to time), wherever applicable to the goods being supplied. 20.4 For all chemicals supplied, the Supplier shall mandatorily furnish a Material Safety Data Sheet (MSDS) indicating all safety precautions to be observed during handling, storage and use of such chemicals. The MSDS shall accompany the dispatch documents and a copy shall be kept inside the packing.
21	Non-Disclosure Agreement 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 and tools 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>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.</u>
22	RIGHT OF REJECTION /NON- PLACEMENT 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.
23	Performance Security Wherever Performance Security Deposit (covering contract performance) is called for in the Tender /NIT , the Performance Bank Guarantee (PBG) or Security Deposit (SD), hereafter referred as performance security is to be submitted by the successful bidder awarded the contract should deposit of the amount as called in the NIT, as performance security towards fulfilment of all contractual obligations, including warranty obligations. Modes of deposit: a) Performance security may be furnished in the following forms:



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	i) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL and payable at BHEL Jhansi. ii) Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should be in the prescribed format of BHEL. iii) Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL). iv) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL). v) Insurance Surety Bond. (Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith) b) In case of Global Tender Enquiry, the performance security should be in the same currency as the contract and must conform to Uniform Rules for Demand Guarantees (URDG 758) - an international convention regulating international securities. c) Performance Security is to be furnished by a specified date (generally 14(fourteen) days after notification of the award) and it should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations. Forfeiture of Performance Security: The performance security will be forfeited and credited to BHEL's account in the event of a breach of contract by the Supplier as provided herein or elsewhere in the Contract/PO. Performance security shall be refunded to the contractor without interest, after he duly performs and completes the contract in all respects but not later than 60 (sixty) days of completion of all such obligations including the warranty under the contract. The Performance Security shall not carry any interest. There is no exemption of Performance Security deposit submission for MSE Vendors.
	Wherever the contract is for supply of Goods processed on labor basis/mixed basis from BHEL supplied materials, the materials shall be issued against a suitable Bank guarantee as specified in the particular Enquiry/STC/ATC/Annexures.
	Wherever PBG (covering equipment / system / work performance guarantee) is called for in the Notice Inviting Tender (NIT) deviation shall not be accepted
	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 also be in Foreign currency, so specified by the Purchaser
	Wherever Security Deposit (covering contract performance) is called for in the NIT, deviation shall not be accepted.
24	Benefits earmarked for Purchase from Micro & Small Enterprises (MSEs) – Indigenous Purchase
A	Statutory Compliance: Benefits to Micro and Small Enterprises (MSEs) shall be governed by the provisions of the MSMED Act, 2006, the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012, relevant Government of India Office Memoranda, and amendments issued from time to time. The guidelines prevailing as on the date of Technical Bid Opening (Part-I in case of two-part bid) shall be applicable to the subject enquiry. The applicability of MSE benefits shall be subject to the condition that the bidder meets all techno-commercial requirements of the tender.
B	Eligibility and Documentary Requirements:



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	Bidders seeking benefits under MSE category shall submit, along with their offer, a self-attested copy of valid Udyam Registration Certificate and other documents as per extant provisions. In case of e-procurement, the required documents shall be mandatorily uploaded on the e-procurement portal within the stipulated time. The deemed validity of MSE status for evaluation of the tender shall be reckoned as on the Technical Bid Opening Date (Part-I in case of two-part bid). Non-submission or deficiency of required documents prior to opening of the Price Bid shall result in: (a) Consideration of the bid at par with non-MSE bidders; and (b) Non-applicability of any MSE benefits for the subject enquiry.
C	Exclusion of Traders / Agents MSE benefits shall be extended only to MSE manufacturers for items manufactured by them and offered against the NIT. No benefits under MSE category like EMD exemption, tender fee exemption, price preference or payment preference etc. shall be extended to traders, dealers, stockists, authorized agents or representatives offering items not manufactured by themselves. This provision shall be governed by the provisions of the MSMED Act, 2006, the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012, relevant Government of India Office Memoranda, and amendments issued from time to time.
D	Tender Fee and Earnest Money Deposit (EMD) Eligible MSEs shall be issued tender documents free of cost. Eligible MSEs shall be exempted from payment of Earnest Money Deposit (EMD), wherever applicable.
E	Price Preference and Procurement Target In cases where L1 bidder is other than an MSE, MSE bidders quoting within a price band of L1 + 15% shall be permitted to match the L1 price. Upon matching L1 price, such eligible MSE(s) may collectively be allowed to supply up to twenty-five percent (25%) of the total tendered value. In case of more than one eligible MSE matching the L1 price, the quantity may be distributed proportionately. In case of tender item cannot be split or divided, etc. the MSE quoting a price within the band L1+15% may be awarded for full/ complete supply of total tendered value to MSE, considering the spirit of the Policy for enhancing Govt. Procurement from MSEs. Sub-Targets within MSE Procurement 1. Out of the 25% procurement earmarked for MSEs: (a) A sub-target of 6.25% shall be reserved for MSEs owned by SC/ST entrepreneurs, subject to submission of valid documentary evidence. In the event of non-participation, non-qualification, or inability to match L1 price by such SC/ST MSEs, the shortfall shall be met from other eligible MSEs.



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	(b) A minimum of 3% shall be reserved for MSEs owned by women entrepreneurs, subject to submission of valid documentary evidence. In case of non-participation, non-qualification, or inability to match L1 price by women-owned MSEs, the shortfall shall be met from other eligible MSEs. 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. MSME CATEGORY DECLARATION <table><tr><th>Type under MSE</th><th>SC/ST Owned</th><th>Women Owned</th><th>Others (excluding SC/ST & Women Owned)</th><th>Supplier's Confirmation</th></tr><tr><td>Micro</td><td></td><td></td><td></td><td>☐ Enclosed</td></tr><tr><td>Small</td><td></td><td></td><td></td><td>☐ Enclosed</td></tr></table> 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. (Signature of the Supplier with Name)	Type under MSE	SC/ST Owned	Women Owned	Others (excluding SC/ST & Women Owned)	Supplier's Confirmation	Micro				☐ Enclosed	Small				☐ Enclosed
Type under MSE	SC/ST Owned	Women Owned	Others (excluding SC/ST & Women Owned)	Supplier's Confirmation												
Micro				☐ Enclosed												
Small				☐ Enclosed												
F	If an enterprise registered as MSE under the MSMED Act graduates to a higher category or ceases to fall within the purview of the Act, it shall continue to avail non-tax benefits of its original category for a period of three (3) years from the date of such graduation, as per Government of India guidelines. An enterprise reverse-graduated (e.g., Medium → Small) continues in its current (higher) category till closure of that financial year and gets the benefit of the changed (lower) category only from 1st April of the following financial year.															
G	MSE bidders as defined by the MSMED Act as amended from time to time can avail the intended benefits only if they submit, self-attested copies of Udyam Registration certificate, along with the offer. No benefits shall be applicable for the enquiry if any deficiency in the above required documents are not submitted before price bid opening.															
H	Change in MSE Status It shall be the responsibility of the bidder to promptly intimate any change in its MSE status during the tendering process. In the event it is subsequently found that the bidder has failed to disclose such change and has obtained the order under the premise of MSE status, BHEL reserves the right to: (a) Reject the bid; or (b) Cancel the order; and/or (c) Initiate action including suspension of business dealings in accordance with prevailing BHEL guidelines available on www.bhel.com or https://bhel.com/guidelines-suspension-business-dealings-supplierscontractors															
I	Reserved Items under Public Procurement Policy In case all items covered under the enquiry fall under the reserved category as defined in the Public Procurement Policy for MSEs, 2012 (and amendments issued from time to time): (a) If one or more MSE bidders are found techno-commercially qualified, Price Bids of only such MSE bidders shall be opened. (b) If no MSE bidder is techno-commercially qualified, Price Bids of all techno-commercially qualified bidders shall be opened.															
J	Any subsequent amendment, clarification, or policy revision issued by the Government of India, Ministry of MSME or any other competent authority shall apply this GTC, and the same shall supersede the relevant provisions of the GTC without requiring any formal amendment.															
25	Benefits earmarked to suppliers for Purchase under ‘ MAKE IN INDIA’ For this procurement, Public Procurement (Preference to Make in India), Order 2017 Dtd 15.06.2017 and subsequent orders issued by both DPIIT and the respective nodal ministries shall be applicable.															



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For this procurement, the local content to categorise a supplier as a Class I local supplier/ Class II local Supplier / Non-Local supplier is as defined in Public Procurement (Preference to Make in India), Order 2017 and subsequent orders issued by both DPIIT and the respective nodal ministries shall be applicable. 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.

The local supplier, at the time of tender submission, shall be required to provide 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. The certification is to be provided in the format as below:

DECLARATION OF LOCAL CONTENT AS PER PREFERENCE TO MII ORDER-2017*

To,

Bharat Heavy Electricals Limited

Khailar, Jhansi, U.P.-284120

Subject: - Certification regarding Local Content

Reference: Tender enquiry NO.

Name of items:

Dear Sir,

We hereby certify that the quoted items offered by us against above Enquiry is having local content of

Further, to certify that the local content % certified above is in line with definition of

Local content given in point no. 2 Of Public Procurement (Preference to Make in India), Order 2017 (and subsequent orders issued by both DPIIT and the respective nodal ministries if any) and we qualify as (Class-I/Class- II/Non-Local supplier — fill in one which is applicable) local supplier.

We further confirm that details of location at which the local value addition is made will be at.....

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief and I undertake to inform you of any changes therein, immediately. In case any of the above information is found to be false, untrue, misleading, or misrepresenting, I am aware that I may be held liable for it.

(Signature of the Supplier with Name)

**This is a guiding format. In case the bidder submits the certificate in a format different from the above, the same may be considered provided it meets the intent and purpose, as may be ascertained by BHEL.*

In cases of procurement for a value in excess of Rs. 10 crores, the 'Class-I local supplier' 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the 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.

26 RESTRICTION UNDER RULE 144 (xi) OF THE GENERAL FINANCIAL RULES 2017: As per latest government guidelines

- A.** Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the competent authority. The Competent Authority for the purpose of this Clause shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).
- B.** "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or

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	companies) every artificial juridical person not falling in any of the description of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in procurement process.
C.	Bidder from a country which shares a land border with India" for the purpose of this Clause means: - - An entity incorporated, established or registered in such a country; or - A subsidiary of an entity incorporated, established or registered in such a country; or - An entity substantially controlled through entities incorporated, established or registered in such a country; or - An entity whose beneficial owner is situated in such a country; or - An Indian (or other) agent of such an entity; or - A natural person who is a citizen of such a country; or - A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.
D.	The beneficial owner for the purpose of (iii) above will be as under: - In case of company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means. Explanation – "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements. - In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership; - In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals; - Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official; - In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
E.	An Agent is a person employed to do any act for another, or to represent another in dealings with third person.
F.	Model certificate for Tenders <i>"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country / has been registered with the Competent Authority (attach valid registration by the Competent Authority, i.e., the Registration Committee constituted by the Dept. for Promotion of Industry and Internal Trade (DPIIT). I hereby certify that we fulfil all requirements in this regard and is eligible to be considered."</i> <i>(Signature, Date & Seal of Authorized Signatory of the Bidder)</i> <i>Note: Bidders to note that in case above certification given by a bidder, whose bid is accepted, is found to be false, then this would be a ground for immediate termination and for taking further action in accordance with law and as per BHEL guidelines.</i>
G.	Registration of the bidder with Competent Authority should be valid at the time of submission of bids and at the time of acceptance of the bids.
27	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
28	Breach of contract, Remedies and Termination
	28.1 BREACH OF CONTRACT: The following shall amount to breach of contract: - Non-supply of material/ non-completion of work by the Supplier/Vendor within scheduled delivery/ completion period as per contract or as extended from time to time. - The Supplier/Vendor fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery/ completion period to justify that supplies shall be inordinately delayed beyond contractual delivery/ completion period. - The Supplier/Vendor delivers equipment/ material not of the contracted quality. - The Supplier/Vendor fails to replace the defective equipment/ material/ component as per guarantee clause. - Withdrawal from or abandonment of the work by the Supplier/Vendor before completion as per contract.



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- vi. Assignment, transfer, subletting of Contract by the Supplier/Vendor without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- vii. Non-compliance to any contractual condition or any other default attributable to Supplier/Vendor.
- viii. Any other reason(s) attributable to Vendor towards failure of performance of contract. In case of breach of contract, BHEL shall have the right to terminate the Purchase Order/ Contract either in whole or in part thereof without any compensation to the Supplier/Vendor.
- ix. Any of the declarations furnished by the contractor 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.
- x. 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.

Note- Once BHEL considers that a breach of contract has occurred on the part of Supplier/Vendor, BHEL shall notify the Supplier/Vendor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

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.

28.2 REMEDIES IN CASE OF BREACH OF CONTRACT.

- i. Wherein the period as stipulated in the notice issued under clause 28.1 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/Vendor. 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/Vendor, retention amount, from the money due to the Supplier/Vendor 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 (iii) 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/Vendor.
- v. If Supplier/Vendor 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/Vendor 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/Vendor 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.
 - c. In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier/Vendor.
- vi. 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.
- vii. 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.



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	Note: 1) The defaulting Supplier/Vendor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include: (a) In case defaulted Supplier/Vendor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor. (b) In case defaulted Supplier/Vendor 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.
29	Settlement of Dispute If any dispute or difference of any kind whatsoever shall arise between BHEL and the Supplier/Vendor, arising out of the contract for the performance of the work whether during the progress of contract termination, abandonment or breach of the contract, it shall in the first place referred to Designated Engineer for amicable resolution by the parties. Designated Engineer (to be nominated by BHEL for settlement of disputes arising out of the contract) who within 60 days after being requested shall give written notice of his decision to the contractor. Save as hereinafter provided, such decision in respect of every matter so referred shall forthwith be given effect to by the Supplier/Vendor who shall proceed with the work with all due diligence, whether he or BHEL desires to resolve the dispute as hereinafter provided or not. If after the Designated Engineer has given written notice of this decision to the party and no intention to pursue the dispute has been communicated to him by the affected party within 30 days from the receipt of such notice, the said decision shall become final and binding on the parties. In the event the Supplier/Vendor being dissatisfied with any such decision or if amicable settlement cannot be reached then all such disputed issues shall be resolved through conciliation in terms of the BHEL Conciliation Scheme 2018 as per Clause 30
30	CONCILIATION Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure as per BHEL Conciliation Scheme 2018. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in - "Procedure for conduct of conciliation proceedings" (as available in www.bhel.com)). Note: Ministry of Finance has issued OM reference No. 1/2/24 dated 03.06.2024 regarding "Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement. In the said OM it has been recommended that Government departments/ Entities/agencies are to encourage mediation under the Mediation Act. 2023. The said Act has not yet been notified by the Government. Therefore, the clause "Settlement of Disputes" shall be modified accordingly as and when the Mediation Act 2023 gets notified.
31	ARBITRATION 31.1 Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided in Clause 30 herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution "IIAC" (India International Arbitration Centre), Delhi for Jhansi Unit and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution. 31.2 A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the Head of the Unit, BHEL, Jhansi executing the Contract and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any. 31.3 After expiry of 30 days from the date of receipt of aforesaid notice, the party invoking the Arbitration shall submit that dispute to the Arbitral Institutions IIAC, Delhi (to be identified by the contract issuing agency) and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and

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	binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged. 31.4 The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules. 31.5 The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be IAC New Delhi. 31.6 Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at New Delhi. 31.7 Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor. 31.8 It is agreed that Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores. 31.9 In case the disputed amount Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause. 31.10 In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall be taken in account while arriving at the total claim in dispute for the subject contract for the purpose of clause 31.9. Disputes having cumulative value of less than 10 crores shall be resolved through arbitration and any additional dispute shall be adjudicated by the court of competent jurisdiction. 31.11 In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable: In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD (Administrative Mechanism for Resolution of CPSEs Disputes) as mentioned in DPE OM No. 05/0003/2019-FTS-10937 dated 14-12-2022 as amended from time to time.
32	NO INTEREST PAYABLE TO CONTRACTOR
	Notwithstanding anything to the contrary contained in any other document comprising in the Contract, no interest shall be payable by BHEL to Contractor on any moneys or balances including but not limited to the Security Deposit, EMD, Retention Money, RA Bills or the Final Bill, or any amount withheld and/or appropriated by BHEL. etc., which becomes or as the case may be, is adjudged to be due from BHEL to Contractor whether under the Contract or otherwise.
33	OVER RUN CHARGES
	No overrun charges are applicable.
34	Applicable Laws and Jurisdiction of Courts
	This contract shall be governed by the Law for the time being in force in the Republic of India. The Civil Court having original Civil Jurisdiction at Jhansi, shall alone have exclusive jurisdiction in regard to all matters in respect of the Contract except Arbitration matter.
35	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;



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	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.
36	Preventive checks to eliminate suspected cartel formation between suppliers
	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 The following Declaration has to be submitted by the Bidders We declare that the following family firms or sister concern affiliates/ subsidiary firms are participating in the tender No _____ 1.0 _____ 2.0 _____ 3.0 _____ I _____ hereby declare on behalf of M/s _____ and family firms or sister concern affiliates/ subsidiary firms listed above that we are not indulging in cartel formation for Enquiry No _____. (_____) For M/s _____ Seal and Sign
37	Grievance Redressal Mechanism
	To promote transparency and ensure fair treatment of all bidders, a structured Grievance Redressal Mechanism is in place to address any concerns or issues arising during the tendering process or in subsequent business dealings with the company. Suppliers/Contractors are requested to follow the below escalation process for grievance resolution: First Level: Any grievance should initially be addressed to the designated Dealing Officer, whose contact details are provided in the Notice Inviting Tender (NIT)/Contract. Second Level: If the issue remains unresolved, it may be escalated by lodging a formal grievance through the SUVIDHA Portal: https://suvidha.bhel.in/suvidha/. Responses will be provided in accordance with the defined escalation matrix.

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38	Note
	• In case of placement of order these conditions will become part of Purchase Order (P.O) unless the deviations are specifically agreed by BHEL • You shall have to observe all work quality, safety regulations, general technical guide lines as stipulated in relevant clauses tender specification. • All other terms & conditions not covered here shall be as per those specified in the tender document (NIT) along with Technical Specification, Specific Conditions of Contract & General Conditions of Contract • In the event of any change as notified by Govt. of India same will supersede the relevant GTC clause.