 BHARAT HEAVY ELECTRICALS LTD. (A GOVT. OF INDIA UNDERTAKING) P.O BHEL Jhansi - 284129, INDIA Tel.:0510-277001/2412260 Fax: 2412120 Email : mmx@bheljhs.co.in JSC140/M2053	PURCHASE ENQUIRY	
	ENQ NO/DT: E1700011 22/01/21 REV NO/DT: 0 22/01/21	PAGE 1 4

	PLEASE SEND YOUR BEST QUOTATION AS PER TERMS & CONDITIONS AND REMARK MENTIONED UNDERNEATH.		
	Enq Due on: 05-02-21 FRIDAY		
	Close at: 13:15 Open at: 14:00		
	Matcat: 171006 COMPOSITE INSULATOR		
	Validity: 120 days from Technical bid opening date		
	IEM:		
	TOP: See Special Remarks		
	RA: RA not applicable		

REQUIRED:	Est. Value:	Bid Type: TWO BID	Delivery: FOR Jhansi
	Tot Item: 1	E-Proc: No	

ITEM NO : 1	PSL QTY/UM: 18.00 NO
MATL CODE : TR572680A601	PO QTY /UM:
DESTINATION: JS	

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
COMPOSITE HOLLOW INSULATOR FOR 220 KV OIL FILLED CURRENT TRANSFORMER AS PER ANNEXURE-A AND DRG. NO. 44773450012_REV.00	DEC-20	18.00

SPECIAL REMARKS:

- THE BIDDER IS INFORMED THAT THE GENERAL TERMS & CONDITIONS OF ENQUIRY WHICH ARE UPLOADED AT https://www.bheljhs.co.in/index_en.php. ARE TO BE READ BY THE BIDDER BEFORE SUBMITTING QUOTE IN THE ENQUIRY. BHEL SHALL CONSTRUCT THE PARTICIPATION BY THE BIDDER IN THE ENQUIRY AS ACCEPTANCE TO THE GENERAL TERMS & CONDITIONS OF ENQUIRY.
- ENQUIRY IS BEING FLOATED IN "TWO BID " SYSTEMS. PLEASE SUBMIT YOUR OFFER AS MENTIONED BELOW
 -PART-A -Sealed Envelope-Techno-Commercial bid
 -PART-B -Sealed Envelopes each consists of below
- IN ENVELOPE "A" SHOULD CONTAIN YOUR TECHNO - COMMERCIAL BID OFFER ALONGWITH BLANK PRICE BID (ENQUIRY ITEM WISE) I.E. PRICE BID WITH RATES BLANK. PQR, PQR SUPPORTING DOCUMENTS AS PER REQUIREMENT. ALL THE DOCUMENTS SHOULD BE CLEAR AND AUTHORIZED. 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.
- ENVELOPE "B" SHOULD CONSISTS OF SEALED ENVELOPES SPECIFIC TO ENQUIRY. ENQUIRY NUMBER, ENQUIRY ITEM NUMBER AND ENQUIRY DUE DATE SHALL BE MENTIONED CLEARLY ON THE ENVELOPE.
- PLEASE SEND THE TECHNICAL BID (PART A) & PRICE BIDS (PART-B) AS PER ENCLOSED SCHEDULES OF TENDER DOCUMENTS ONLY.
- PLEASE QUOTE WITH FIRM RATES OTHERWISE OFFER WILL BE BY-PASSED.
- ALL THE TERMS AND CONDITIONS OF THE CONTRACT WITH RESPECT TO TAXES AND DUTIES ARE SUBJECT TO THE NEW TAXATION LAWS (E.G. GST). THE TERMS AND CONDITIONS WILL BE MODIFIED IN ACCORDANCE WITH THE PROVISIONS OF NEW LAWS E.G. GST.
- INSPECTION WILL BE DONE BY BHEL AT BHEL, JHANSI.
- LOADING SHALL BE APPLICABLE FOR NON ACCEPTANCE OF NIT TERMS AND CONDITIONS.
- NO TENDER FEES SHALL BE APPLICABLE.
- THE TENDERS DULY FILLED IN AND COMPLETE IN ALL RESPECTS TO



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PAGE 3
4

FOR AND ON BEHALF OF
BHARAT HEAVY ELECTRICALS LTD

RHL
22.01.21
RAHUL KUMAR
SR ENGINEER (TRFR MM)
Email:-rahulkumar.r@bhel.in

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

NOTE :

- * THE BIDDER IS INFORMED THAT THE GENERAL TERMS & CONDITIONS OF ENQUIRY (JHS 2055A Rev 03) WHICH ARE UPLOADED AT <https://www.bheljhs.co.in/apps/sip/index.php> AT (TERMS & CONDITION -> FOR ENQUIRY) LINK, ARE TO BE READ BY THE BIDDER BEFORE SUBMITTING QUOTE IN THE ENQUIRY. BHEL SHALL CONSTRUCT THE PARTICIPATION BY THE BIDDER IN ENQUIRY AS ACCEPTANCE TO THE GENERAL TERMS AND CONDITIONS OF ENQUIRY.
- * SUPPLIERS ARE REQUESTED TO INFORM US WITH VALID CERTIFICATE, IF THEY ARE REGISTERED UNDER MSMED ACT'2006. (APPLICABLE FOR INDIAN SUPPLIERS ONLY).
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE THE LOCAL AREA OF BHEL JHANSI, ENTRY TAX WILL BE APPLICABLE. SUPPLIERS SHOULD NECESSARILY INDICATE RATE OF ENTRY TAX SEPARATELY WHEREVER APPLICABLE. THEY SHOULD ALSO MENTION THE ENTRY TAX CHARGED SEPARATELY IN THE INVOICE.
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE UP, IN CASE THE OFFER IS SILENT ON ENTRY TAX, IT SHALL BE LOADED SUITABLY WITH THE APPLICABLE RATES
- * IN CASE IF THERE IS ANY DIFFERENCE BETWEEN THE 'SPECIAL REMARKS/ANNEXURES' OF THE ENQUIRY AND THE PREPRINTED TERMS & CONDITIONS (REF JSC140/M2053), THE REQUIREMENT GIVEN IN REMARKS WILL PREVAIL.
- * Reference Sl. No. 2(B) of General Terms and Conditions regarding option for offer submission through Email addressed to tenderbox.jhs@bhel.in, please note that the maximum mail size including attachments should not exceed 20 MB, otherwise the offer shall not be delivered due to size limitation and bidder sending mail attachments more than 20 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.

ANNEXURE-A

Composite Insulator for 245kV Oil Filled Current Transformer**A. Electrical requirements:-**

1. Composite insulator suitable for voltage : Nominal Voltage 220kV/Highest system voltage 245kV
2. Dry Power Frequency withstand voltage : 460kVrms
3. Wet Power Frequency withstand voltage : 460kVrms
4. 1.2/50 micro second Lightning Impulse withstand voltage : 1050kVp
5. Minimum creepage length of insulator : 8500mm

B. Mechanical & Dimensional requirements:-

1. Total height of insulator including flanges : 2350±3mm
2. ID of Hollow Insulator : 220±5 mm
3. OD Of Insulator : 390±5mm
4. Bending strength of insulator : ≥4kN
5. Vertical load on insulator : ≥4kN
6. Suitable to withstand vacuum of (without any leakage) : <0.05 Torr.
6. Cantilever & bending test : As per IEC 61462 & IEC 61869.
7. Insulator suitable for Internal pressure : As per IEC-614/drawing
8. Other technical requirements : As per Drawing

C. General requirements:-

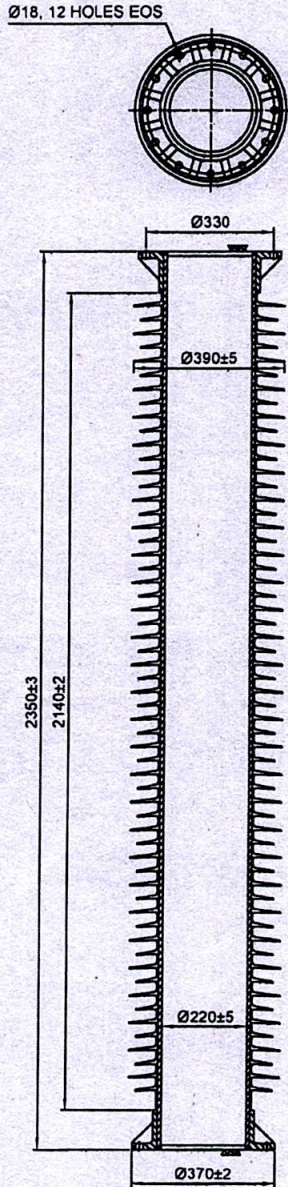
1. All mechanical type test report as per IS-2705 /IS 16227/IEC 61869/IEC-61462 is required.
2. The Top & bottom flange to be cast/machined galvanized steel or aluminum and there should be no any porosity leading to leakage of oil during pressure test or normal service.
3. The thickness of fiberglass cylinder should be enough to facilitate resting on NBC gasket at to & bottom ensuring no leakages of vacuum (during processing) & oil during pressure test and normal service.
4. Sheds to be anti-fog with alternate big and small sheds.
5. Insulator should be compatible with mineral oil, which will be filled up in the current transformer.
6. The insulator will be subjected to processing includes heating at 110°C and vacuum of <0.05 Torr along with transformer components in assembled condition for 84 Hrs. There should be no effect of processing on insulator or effect/reaction of hot oil on the insulator.

The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company

First Angle Projection

All dimensions in 'mm'

REV.	DATE	ALTERED	REV.	DATE	ALTERED	ADDITIONAL INFORMATION				
		CHECKED			CHECKED	W.O. NO. 72680A19000				
						STATUS OF DRAWING				
						DISTRIBUTION OF PRINTS				
						TRE-1	TRP-1	CQX-1	BAY8-2	BAY



TECHNICAL REQUIREMENTS :

1. MIN. CREEPAGE DISTANCE : 8500mm
2. ARCING DISTANCE : 2140mm
3. APPLICABLE STANDARD : IEC 61462
4. WORKING TEMP. RANGE : -40°C TO +80°C
5. SHED PROFILE ACCORDING TO : IEC60815
6. MAX. SERVICE PRESSURE : 4 BAR
7. SPECIFIED INTERNAL PRESSURE : 16 BAR
8. BENDING WITHSTAND MAXIMUM MECHANICAL LOAD (MML) : 4kN.
SPECIFIED MECHANICAL LOAD (SML) : 10kN. }
9. COLOUR OF INSULATOR SHED : GREY

उत्पाद का प्रकार या
ग्राहक/परियोजना का नाम
TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT

M/S : PGCIL

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
झाँसी
BHARAT HEAVY ELECTRICALS LTD.
JHANSI

नाम / NAME	हस्ता / SIGN	दि / DATE	वेरि. की संख्या NO. OF VAR
अमित अग्रवाल		25.11.20	
सुनील कुमार		25.11.20	
सतेन्द्र कुमार		25.11.20	

विभाग DEPT	अव. टोल. नाप की श्रेणी UNTOI. DIM. GR.	अनुपात SCALE N.T.S.	भार (किग्रा.) WEIGHT [KG]	असे. ड्राइंग का संदर्भ REF. TO ASSY. DRG.	मद.क. ITEM NO	मद. संख्या NO. OF ITEM
कोड CODE			-	24771051674		

शीर्षक/ TITLE
**COMPOSITE INSULATOR
FOR 220 KV.C.T.**

आरेख कं./ DRAWING NO.
4 477 34 50012
पृष्ठ कं. / SHT NO
पृष्ठों की सं. / NO OF SHT

SIZE A4

**BHARAT HEAVY ELECTRICALS LIMITED JHANSI - 284120**

(A Gov't of India undertaking)

Material Management

(Part-A)

TECHNO COMMERCIAL BID FOR ENQUIRY NO. E1700011Mandatory sheet regarding instruction to bidders for compliance for **Indigenous bidders**

QUOTATION No.....DATE.....

SUPPLIER'S NAME:

Sl. no.	Particulars	Supplier's Confirmation
1-	Complete acceptance for supply of items as per Purchase / Tech. specification mentioned in the enquiry.	<input type="checkbox"/> Accepted
1A)	In case of acceptance to 1 above and wherever needed, successful bidder has to submit duly seal & signed copy of Drgs, Purchase / Tech. specification etc. as token of acceptance before placing order.	<input type="checkbox"/> Accepted
2-	Acceptance to all special remarks / General Terms & Condition JHS 2055A rev 03 of enquiry. (https://jhs.bhel.com/apps/sip/enq_tems_current.pdf)	<input type="checkbox"/> Yes
3-	Guarantee / Warrantee / Conformance / Test Certificate (along with supply) as specified in enquiry will be provided.	<input type="checkbox"/> Yes
4-	(a) Delivery period from date of PO issue.Days.
	(b) Supply rate per month exclusively for this tenderNos./month
5-	Taxes & Duties -	<input type="checkbox"/> Accepted
	GST%
6-	Price Bid submitted as per attached price bid format only (Copy of blank price bid is submitted).	<input type="checkbox"/> Yes
7-	Terms of Delivery- BHEL prefer delivery on F.O.R BHEL Jhansi (including freight & Insurance) basis. Hence quote rate on F.O.R BHEL Jhansi basis.	
	(a) Terms of Delivery on F.O.R BHEL Jhansi basis.	<input type="checkbox"/> Accepted
	(b) In case of non-acceptance to 7(a) above, please mention place of dispatch : Ex-works.....	
	In case of non-acceptance to F.O.R BHEL Jhansi , Please refer Note sl. No.5 for loading on this a/c.	
8-	Basic rate quoted is inclusive of Packing & forwarding	<input type="checkbox"/> Yes
9-	If answer to sl. No. 8 is 'No', state Packing & forwarding charges as % of basic rate or actual	Rs..... or.....%
10-	Acceptance for Prices on firm basis and no PVC is applicable	<input type="checkbox"/> Yes
11-	Acceptance for 120 days Validity of offer from date of tender opening.	<input type="checkbox"/> Yes
12-	Inspection – Material may be source inspected by BHEL / Customer / Third party. However, Final inspection for acceptance of quality and quantity shall be done at BHEL's works after receipt of material and results shall be binding on the suppliers	<input type="checkbox"/> Accepted
13-	Liquidated Damage / Penalty - Failure to supply by the time specified in the order will make the supplier liable to pay unconditional penalty of 1/2% of the price of the goods in arrear (delayed and not supplied) per week or part there of, subject to a maximum of 10% of the order value unless agreed otherwise.	<input type="checkbox"/> Accepted

**BHARAT HEAVY ELECTRICALS LIMITED JHANSI - 284120**

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Material Management

14-	Risk Purchase - If the material is not supplied within stipulated delivery indicated in PO, BHEL shall have the option to purchase the material from other sources at the supplier's risk & cost.	<input type="checkbox"/> Accepted
15A)	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 @ SBI base rate (as on date of Part I bid opening) + 6%, for the purpose of bid evaluation .	<input type="checkbox"/> Accepted
15B)	Guarantee/warranty – Shall be applicable as per latest revision of tender general terms and conditions of BHEL Jhansi JHS 2055A (available at BHEL Jhansi site)	<input type="checkbox"/> Accepted
16-	"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."	<input type="checkbox"/> Accepted

- Notes: -**
- 1) If answer to 1, 1A, 3, 6, 10, 12, 15A, 15B and 16 are not acceptable offer may not be considered.
 - 2) Rates are to be mentioned only in sealed price bid of BHEL Format as enclosed. Rate quoted in any other format shall not be considered.
 - 3) If rates are disclosed in blank price bid / in covering letter or through any other format along with techno-commercial bid (Part-I), offer may not be considered.
 - 4) Evaluation of bid will be done on landed cost to BHEL, Jhansi basis. Offers will be loaded for the deviation(s), if any, suitably. Hence, please quote accordingly.
 - 5) In case of non-acceptance of Terms of delivery on F.O.R BHEL, Jhansi basis, then your offer will be loaded for freight charges @ 0.005% per KM of basic quoted rate (with minimum loading for 100KM) and for Insurance offer will be loaded @ 0.07% on (basic + GST + Frt.) to arrive relative status i.e. L1, L2...etc.
 - 6) Entry tax, wherever applicable for vendors outside U.P. will paid by BHEL and same will be loaded while evaluation.
 - 7) In case of non-acceptance of BHEL L.D. clause, the suitable loading up to 10% maximum shall be done on supplier's quoted rate to derive the L-1 Status.
 - 8) In case of non-acceptance of Guarantee term. There will be 1% per month loading in offer price per month, i.e. if a vendor accepts 18 months of warranty in place of NIT conditions of 24 months' warranty, then loading in offer price will be = (24 months-18 months) x 1% = 6%.
 - 9) In case of non-acceptance of Risk Purchase (i.e. Clause 14), loading of 10% shall be done on supplier's quoted rate to derive the L-1 Status. (5% is additional cost incurred for risk purchase & 5% as administrative cost).



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Material Management

In case of any discrepancy/deviation in terms & conditions accepted in mandatory sheet and condition given in the offer, acceptance given on mandatory sheet shall be considered.

Signature of supplier & seal :
Date :
Name of contact person :
Cell No. :
E-mail :

**BHARAT HEAVY ELECTRICALS LIMITED JHANSI - 284120**

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Material Management

PART-B

PRICE BID, FOR ENQUIRY NO. E1700011

Supplier Name & Address :
.....

Enquiry item no.	Quoted rate inclusive of P & F charges in figure (per unit of supply basis)	Quoted rate inclusive of P & F charges in words (per unit of supply basis).
Enq. # 1		

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

Signature of Authorized Signatory:

Name :

Contact No. :

Email Address :