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:	E1710010	16/02/22	PAGE 1/4
REV NO/DT:	0	16/02/22	

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

Enq Due on:	11-03-22 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
Est. Value:	Item wise
Bid Type:	TWO BID
Tot Item:	1
Delivery:	FOR Jhansi
E-Proc:	No

REQUIRED: TEST CERT/ GUARANTEE CERT

ITEM NO : 1
MATL CODE : TR572794A606
DESTINATION: JS

PSL QTY/UM: 6.00 NO
PO QTY /UM:

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	MAR-22	6.00

SPECIAL REMARKS:

1. 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 CONSTRUE THE PARTICIPATION BY THE BIDDER IN THE ENQUIRY AS ACCEPTANCE TO THE GENERAL TERMS & CONDITIONS OF ENQUIRY.
2. 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
3. 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 SUPPORING 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.
4. 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.
5. PLEASE SEND THE TECHNICAL BID (PART A) & PRICE BIDS (PART-B) AS PER ENCLOSED SCHEDULES OF TENDER DOCUMENTS ONLY.
6. PLEASE QUOTE WITH FIRM RATES OTHERWISE OFFER WILL BE BY-PASSED.
7. 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.
8. INSPECTION WILL BE DONE BY BHEL AT BHEL,JHANSI.
9. LOADING SHALL BE APPLICABLE FOR NON ACCEPTANCE OF NIT TERMS AND CONDITIONS.
10. NO TENDER FEES SHALL BE APPLICABLE.
11. THE TENDERS DULY FILLED IN AND COMPLETE IN ALL RESPECTS TO

BE DROPPED IN THE TENDER BOX LOCATED AT CISF GATE OF OUR ADMINISTRATIVE BUILDING TILL 13.15 HRS ON THE TENDER OPENING DATE AS NOTED IN THE COVERING LETTER.

12. TENDER/QUOTATION MAY BE SENT THROUGH EMAIL ON BHEL DESIGNATED EMAIL ID ONLY.THE DESIGNATED EMAIL ID IS tenderbox.jhs@bhel.in.
13. REVERSE AUCTION NOT APPLICABLE.
14. DRAWING AND OTHER DETAILED ANNEXURE ARE ATTACHED WITH ENQUIRY.

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.

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ENCLOSERS:

FOR AND ON BEHALF OF
BHARAT HEAVY ELECTRICALS LTD

RHL 16/02/22

RAHUL KUMAR
DY MANAGER (TRFR MM)
Email:-rahulkumar.r@bhel.in

* * * * * * * E N D O F P U R C H A S E E N Q U I R Y * * * * * *

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 CONSTRUE 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 SAPARATELY 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 .

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JSC140/M2053

PURCHASE ENQUIRY

ENQ NO/DT:	E1710010	16/02/22	PAGE 4/4
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LIST OF SUPPLIERS

1 **P80550**
M/s PRESS TENDER ENQUIRY-(OPEN TENDER)
DUMMY CODE GIVEN FOR PRESS TENDER
ENQURIES ONLY.
JHANSI
UTTAR PRADESH INDIA
TIN NO :
EMAIL :
MOBILE :
FAX :

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 Lightening 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

(सुनील कुमार)
(SUNIL KUMAR)
उप अभियन्ता (टी.आर.ई.)
Dy. Engineer (TRE)
बी०एच०ई०एल०, झाँसी
B.H.E.L., JHANSI

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.

(सुनील कुमार)
(SUNIL KUMAR)
उप अभियन्ता (टी.आर.ई.)
Dy. Engineer (TRE)
बी०एच०ई०एल०, झाँसी
B.H.E.L., JHANSI

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'

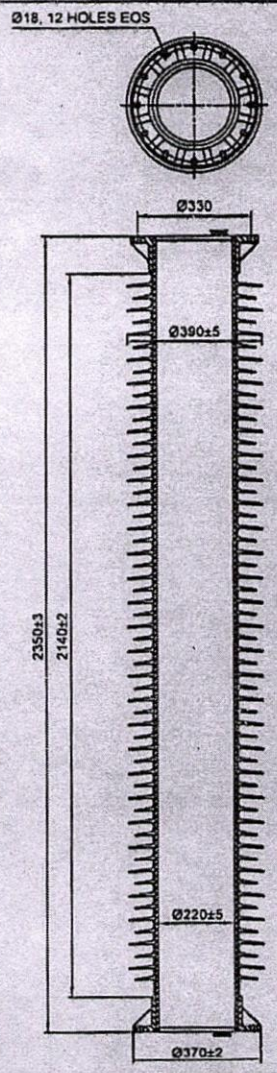
REV.	DATE	ALTERED / CHECKED	REV.	DATE	ALTERED / CHECKED

ADDITIONAL INFORMATION
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
बनाया DRN	अमित अग्रवाल		25.11.20
जाँचा CHD	सुनील कुमार		25.11.20
अनुमोदित APPD	सतेन्द्र कुमार		25.11.20

विभाग DEPT	अव.टाल.बाप की श्रेणी UNTOL. DIM. GR.		अनुपात SCALE N.T.S.	भार (किग्रा.) WEIGHT (KG) -	अस. ड्राइंग का संदर्भ REF. TO ASSY. DRG. 24771051674	मद.क ITEM NO	मद.संख्या NO. OF ITEM
कोड CODE							

शीर्षक/ TITLE
COMPOSITE INSULATOR FOR 220 kV.C.T.

आरेख क्र./ DRAWING NO. 4 477 34 50012

पुन/ REV. 00

पृष्ठ क्र. / SHT NO | पृष्ठों की सं. / NO OF SHT

SIZE A4

REF. DRG. NO.

SIGN AND DATE

INVENTORY NO.

Acceptance to salient Terms & Conditions of the Enquiry E1710010 i.e. Techno Commercial Bid

Important: This format is to be submitted in original, 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 of Enquiry	☐ 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-03 uploaded at https://jhs.bhel.com/apps/sip/enq_terms/enq_tems_current.pdf We confirm that we have read the GTC with applicable revision, and accepts the same.	☐ Accepted
3-	Conformance / Test Certificate/Guarantee Certificate (along with supply) as specified in enquiry will be provided.	☐ Yes
4-	(a) **Delivery** period on FOB/CIF, /FOR basis from date of PO issue/Drawing approval, whichever is later.	.....Days.
5-	**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)	☐ Accepted a).....% b).....%

	c). IGST (Mention N.A if not applicable)	c).....%
6-	**Taxes and Duties (For Foreign bidders only):-**All taxes and duties in their country will be borne by them only and in India same shall be to BHEL account. Refer GTC (JHS2055A-Rev-03) for more detail and same shall prevail.	☐ Accepted
7-	**Price Bid** submitted as per attached price bid format only (Copy of blank price Bid is submitted).	☐ Accepted
8-	**Acceptance for prices on firm basis and no PVC is applicable.**	☐ Accepted
9-	**a). Terms of delivery on F.O.R BHEL Jhansi basis (**for indigenous bidders). **b). Terms of delivery on F.O.B Load Port basis or CIF, basis.** (For Foreign bidders) (Pl mention name of Load Port)	☐ Accepted
10-	**Validity -** Quoted prices are valid for 120 days from date of tender opening.	☐ Accepted
11-	**<u>Payment Terms (For indigenous bidders)</u> -** 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.	☐ Accepted ☐ Accepted
12-	**Terms of payment (For Foreign Bidders): -** Our Standard Payment terms is: (i) 100% Payment through CAD or (ii) 100% payment will be considered by irrevocable and unconfirmed Usance LC with 120 days' interest free credit, to be reckoned from the date of Bill of Lading In case of request for confirmed LC, confirmation charges shall be borne by the vendor.	(i) ☐ Accepted (ii) ☐ Accepted

13-	No **Advance payment** terms will be accepted.	☐ Accepted
14-	**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 thereof, subject to a maximum of 10% of the order value unless agreed otherwise.	☐ Accepted
15-	**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.	☐ Accepted
16-	***Guarantee:*** In Case an order is placed, supplier shall be required to guarantee for smooth and satisfactory performance of the equipment for a period of 24 months from the date of dispatch or 18 months from the date of commissioning whichever is later and certificate must be issued to this effect. Necessary instruction booklets for operation and maintenance are to be sent with supply, where applicable.	☐ Accepted
17-	Please furnish shipping Dimension & Weight of consignment in your offer.(For Foreign Suppliers)	No. of package --------- Dimension of each package 1- Length ---------- 2- Width ---------- 3- Height ---------- 4- Weight ----------
18-	"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
19	a) For Foreign Bidders-No. of days to generate Bill of Lading after dispatch clearance. b) For Indigenous bidders- No of days to reach the material to BHEL, Jhansi after Dispatch clearance.	.....Days .....Days
20	Inspection Call a. Foreign suppliers have to give inspection call 30 days + no of days to generate bill of lading (Refer Clause 21a above). b. Indian suppliers have to give inspection call 21 days + No of days to reach the material to BHEL, Jhansi after dispatch clearance (Refer Clause 21b above).	☐ Accepted ☐ Accepted

21	Delivery period from LC Opening date. (For Foreign Suppliers) (In case payment through LC, should preferably be 60 days from LC opening date.)	……Days.

Signature of Supplier & seal : ……

Date :……

Name of contact person : ……

Cell No. : ……

Landline with STD code & E-mail : ……

PRICE BID, PART - B FOR ENQUIRY NO. E1710010

Supplier Name & Address: .....

.....

Currency of Quotation (Applicable for Foreign bidders only): .....

Enquiry item no.	Quoted rate in figure (per number basis in INR / Foreign Currency)	Quoted rate in words (per number basis in INR / Foreign Currency)
Enq. # 1		

Note:-

1. By default, indigenous bidders' quotation will be in Indian Rupees (INR) and foreign bidders' will be in the 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 way REJECTED even if, offer has been found technically & commercial acceptable before opening of price bid.

Signature of Supplier :

Name :

Designation :

Seal :

Rahul Kumar MM

Pre-Qualifying Requirement for Procurement of '220 KV Composite Hollow insulator' – PI:140610649/

Sl. No.	REQUIREMENT	Bidder's Response
1	Bidders should be the MANUFACTURER OR AUTHORIZED DISTRIBUTER of '220 KV or higher kV class Composite Hollow insulator' In case of Authorised Distributor, bidder shall provide the Authorization Certificate / Agreement copy from OEM Bidders to provide Self Undertaking on their Letter Head that: A: Bidder is capable of executing the job under captioned enquiry.	☐ YES ☐ Submitted
2	**SUPPLY EXPERIENCE:-** Bidders should have experience of having supplied "220 KV or higher kV class Composite Hollow insulator" (henceforth called "Goods") to Generation / Transmission (of electric power) Companies or Transformer Manufacturers. **To qualify, the bidder should have executed minimum two Orders of 'Goods' in the last three years till the date of Part I (Techno-commecial) Bid opening to any of customer as listed below.** Bidder to submit copies of supply orders, Tax Invoices / Completion Certificate of same order as a documentary proof for minimum quantum as mentioned in clause 3 The Customer should be any of the following in the last three years. 1. PSU- State/ Central Govt. 2. Government - State/ Central 3. BHEL /ABB / Siemens / Mitsubishi Electric / Toshiba / TBEA / Alstom / Crompton Greaves / Bharat Bijlee / TELK / EMCO /T & R / Voltamp Trfr / Imp Power / Vijay Electrical / Technical Associates / Schneider Electric / Andrew Yule / Skipper Ltd./ High Volt. 4. ABB Limited (Switzerland)/ ASTOR TRANSFORMER A.S (Turkey)/ Bemag Transformer, Inc. (Canada)/ Bowers Electricals Ltd. (UK)/ Changzhou XD Transformer Co., Ltd. (China)/ DAIHEN Corporation (Japan)/ EFACEC Group (Portugal)/ GE Grid Solutions (USA)/ Hammond Power Solutions, Inc. (Canada)/ Howard Industries, Inc. (USA)/ Hyosung Heavy Industries (South Korea)/ Hyundai Electric & Energy Systems Co., Ltd. (South Korea)/ Imefy Group (Spain)/ JSHP Transformer (China)/ KONCAR Group (Croatia)/ Mitsubishi Electric Corporation (Japan)/ Olsun Electrics Corporation (USA)/ Schneider Electric SA (France)/ SGB-SMIT Group (Germany)/ SGB-SMIT Power Matla (South Africa)/ Shihlin Electric & Engineering Corporation (Taiwan)/ Siemens AG (Germany)/ SPX Transformer Solutions, Inc. (USA)/ TBEA Co., Ltd. (China)/ Toshiba Energy Systems & Solutions Corporation (Japan)/ Wilson Power Solutions (UK)/ Wilson Transformer Company (Australia)/ Winder Power Ltd. (UK) "or" 5. Transformer manufacturer.	☐ YES **PI tickV as applicable** ☐ ☐ ☐ ☐ ☐
3	**Minimum Quantum-** Should have supplied **(a) for non-MSEs** (1) Minimum 1 Nos (Or) (2) Goods of worth Rs 0.3 Lakhs **(b) for MSEs** (1) Minimum 1 Nos (Or) (2) Goods of worth Rs 0.21 Lakhs Vendor to submit details of executed PO.	
4	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.	☐ Document Submitted

Customer Name	Order No. & Date	Qty. supplied in UoM	Tax Invoice / Compeletion Certificate & Date	Remark, if any

- 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. 5 is desirable. Other are mandatory.
- Supporting documents for the details filled above have been submitted.

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

7/2/22
Prepared by (Indentor)

7/2/22
TRP
(A.K. Verma)

12.02.2022
MM
(Alok Bhawkankar)

TRE

QC 12/2/22

7/2/22 TRE
(S.K. Gupta)