

(INVITATION FOR EXPRESSION OF INTEREST)

NTPC Limited

(A Government of India Enterprise)



INVITATION FOR EXPRESSION OF INTEREST (EOI)

FOR

**IDENTIFICATION OF DOMESTIC VENDORS FOR INDIGENEOUS MANUFACTURING
OF ITEMS/EQUIPMENT FOR NTPC POWER PLANTS**

(INVITATION FOR EXPRESSION OF INTEREST)

(INVITATION FOR EXPRESSION OF INTEREST)

DETAILED NOTICE INVITING EXPRESSION OF INTEREST (EOI)

EOI No.: NTPC/CQA/EOI/2026/01

Date: 18.03.2026

NTPC is Inviting an Expression of Interest for “Identification of domestic vendors for Indigenous manufacturing of items/equipment for NTPC power plants”.

1.0 Objective:

- (i) To promote 'Atmanirbhar Bharat' and 'Make in India' policy of Government of India, it is intended to identify domestic vendors who do not have prior experience & not getting qualified themselves for manufacturing of certain identified items/equipment. **This EOI is to identify interested domestic vendors for Trial/Development order at NTPC for items/equipment (mentioned at Annexure-A along with minimum eligibility criteria) for NTPC power plants.**
- (ii) Based on EOI response, NTPC will prepare a database of such domestic vendors and may explore the possibility of trial/development order for the identified items/equipment at NTPC. The Purpose of development order is to qualify the Domestic Vendor(s) for identified items/equipment for the type and capacity for the upcoming NTPC tenders after successful completion of demonstration of Trial/Development order.
- (iii) Trial/ development order of identified items/equipment shall be considered successful based on minimum one-year successful operation of the items/equipment and meeting the rated parameters as well as guarantees, as applicable. Successful operation definition and the operation parameters required to establish the performance shall be finalized before order and shall be part of order.
- (iv) As per NTPC decision regarding these trial/development orders based on EOI response, detailed discussion may be done with such applicants and technical and commercial terms and condition for subsequent techno-commercial proposal for identified items/equipment shall be finalized by NTPC.

2.0 DOWNLOAD AND TIMELINES FOR SUBMISSION OF EOI

- a. Interested APPLICANTs may download the documents of EOI free of cost from www.ntpctender.com & <https://eprocurementpc.nic.in>
- b. **Last date for EOI submission:** one month from the date of publication.

(INVITATION FOR EXPRESSION OF INTEREST)

c. Response Validity: 24 months from Last Date of EOI Submission

3.0 NTPC encourages submission of EOI in soft copy. For consideration of EOI, APPLICANTS are required to e-mail softcopy, completed in all respect, from its official email ID to below mentioned email IDs. If APPLICANTS also wish to submit hard copy of the EOI, the same can be submitted either in person or by registered/ speed post till the last date of submission of EOI to the following address: -

To: Manan Sharma, DGM (CQA)
Email: manansharma@ntpc.co.in
CC to: dheerajjain@ntpc.co.in

NTPC Limited, SRHQ, NTPC Bhavan, Kavadiguda, Secunderabad-500080

4.0 NTPC reserves the right to reject or accept any or all applications, cancel/withdraw the EOI process without assigning any reason whatsoever and in such case, applicant shall not have any claim arising out of such action. NTPC bears no responsibility or liability of any kind in reference to the EOI.

(INVITATION FOR EXPRESSION OF INTEREST)

SECTION-I

INFORMATION TO APPLICANT

1. NTPC Limited, a Govt. of India Enterprises, NTPC group produces around 438 billion units of electricity annually through its cluster of gas, coal, hydro and RE based power stations of more than 85 GW capacity spanning across the country.

2. INTENT OF THE EXPRESSION OF INTEREST (EOI)

This EOI is to identify interested domestic vendors for Trial/Development order at NTPC for items/equipment (mentioned at Annexure-A along with minimum eligibility criteria) for NTPC power plants.

3. THE APPLICANTS SHOULD NOTE THAT:

- a. Language of the responses to EOI or any query/clarifications/correspondences shall be in English only.
- b. For expression of interest, Application Form and Annexures given in Section-II shall be duly filled and sent to NTPC by the APPLICANT in soft copy.
- c. Applicants should go through Section-I thoroughly before filling and submitting the application form and annexures in Section-II.
- d. Applicants shall mention the name and contact details of two persons, with complete address, phone number and official email id.
- e. NTPC Ltd may, at its sole discretion, ask for additional information/ documents and/ or seek clarifications from the Applicant(s) after the deadline for submission of response, inter alia, for the purpose of removal of inconsistencies or infirmities in their responses.
- f. Based on EOI response, NTPC will prepare a database of such domestic vendors and may explore the possibility of trial/development order for the identified items/equipment at NTPC.
- g. This EOI is indicative only and non-committal.

4. ENQUIRIES AND CLARIFICATIONS

Any clarifications on the EOI may be sought to the following via email:

To: Manan Sharma, DGM (CQA)

Email: manansharma@ntpc.co.in

CC to: dheerajjain@ntpc.co.in

(INVITATION FOR EXPRESSION OF INTEREST)

5. CORRIGENDUM

At any time before the last date of submission of EOIs, NTPC may, for any reason, whether at its own initiative or in response to a clarification requested by an Applicant, modify the EOI document. The amendment will be posted on the website and will be binding on the Applicants and the Applicant will give due consideration to the same, while they submit their EOIs, and would invariably enclose documents/ information, as required, on account of the amendment, as a part of the EOI. NTPC may, at its discretion, extend the deadline for the submission of EOIs.

6. VALIDITY OF THE RESPONSES

The Applicant shall submit the responses which shall remain valid up to Twenty-Four (24) months after the response deadline ("Response Validity"). NTPC reserve the right to reject any response, which does not meet the afore mentioned validity requirement.

NTPC may solicit the applicant's consent for an extension of the period of validity of the application. The request and the response in this regard shall be in writing.

7. SUBMISSION OF THE RESPONSE TO EOI

The responses to the EOI are to be submitted in soft copy via below e-mail format

Email: manansharma@ntpc.co.in

CC to: dheerajjain@ntpc.co.in

Ref. EOI No. **NTPC/CQA/EOI/2026/01**

Dated: 18.03.2026

Submitted to:

*Manan Sharma,
DGM (CQA, BOP),
NTPC Limited, SRHQ, NTPC Bhavan,
Kavadi guda, Secunderabad-500080*

Submitted by:

Name, address & contact no. of the Applicant

All the pages of the response should be duly stamped and signed by the authorized signatory.

The responses to the EOI should be submitted within the Deadline as mentioned in this document.

(INVITATION FOR EXPRESSION OF INTEREST)

8. COSTS AND EXPENSES TOWARDS RESPONSE TO EOI

The applicants shall bear all the costs associated with the preparation of the response and participation in discussions and finalization & execution of the documents related with this EOI, regardless of the conduct or outcome of this process.

9. CONFIDENTIALITY

The applicants undertake to hold in confidence this EOI and any document related or pursuant to this EOI and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

- (a) To their professional advisors;
- (b) To their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities;
- (c) Disclosures required under applicable Law, without the prior written consent of the other parties of the concerned agreements.

Provided that the applicant(s) agrees and acknowledges that NTPC may at any time, disclose the terms and conditions of this EOI and any document related or pursuant to this EOI to any person, to the extent stipulated under the applicable Law.

xxxx

(INVITATION FOR EXPRESSION OF INTEREST)

SECTION-II
APPLICATION FORM & ANNEXURES

(INVITATION FOR EXPRESSION OF INTEREST)

Annexure-1

FORMAT FOR COVERING LETTER CUM UNDERTAKING

(The covering letter should be on the Letter Head of the Applicant)

Date: _____

Place: _____

To,

Manan Sharma, DGM (CQA, BOP),
NTPC Limited, SRHQ, NTPC Bhavan,
Kavadiguda, Secunderabad-500080

**Subject: IDENTIFICATION OF DOMESTIC VENDORS FOR INDIGENOUS
MANUFACTURING OF ITEMS/EQUIPMENT MENTIONED AT ANNEXURE-A.**

Ref.: EOI No. NTPC/CQA/EOI/2026/01,

Date: 18.03.2026

Dear Sir,

We, the undersigned [insert name of the "Applicant"] having read, examined and understood in detail the **(INVITATION FOR EXPRESSION OF INTEREST)**.

1. We give our unconditional acceptance to the EOI, issued by NTPC, as amended. In token of our acceptance to the EOI, the same have been signed & stamped by us and enclosed to the response. We hereby confirm that the provisions of the EOI shall be binding on us.
2. We have submitted our response strictly as per provisions and formats of the EOI, without any deviations, conditions and without mentioning any assumptions or notes.
3. We hereby unconditionally and irrevocably agree and accept that the decision made by NTPC in respect of any matter regarding or arising out of the EOI shall be binding on us. We hereby expressly waive any and all claims in respect of EOI process. We confirm that there are no litigations or disputes against us, which materially affect our ability to participate or function under the obligations with regard to EOI.

(INVITATION FOR EXPRESSION OF INTEREST)

4. Details of the contact person are furnished as below:
Name:
Designation:
Address:
Contact numbers:
email id:
5. We are enclosing herewith the entire response containing duly signed formats in electronic format sent via email to manansharma@ntpc.co.in as per the EOI for consideration.
6. It is confirmed that our response is consistent with all the requirements of submission as stated in the EOI and subsequent communications from NTPC, if any.
7. The information submitted in our response is complete, strictly as per the requirements stipulated in the EOI and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our response.
8. We confirm that all the terms and conditions of our response are valid for acceptance for a period of Twenty-Four (24) months from the response deadline.

Yours sincerely

(Name, Designation and Signature of Authorized Person)

(INVITATION FOR EXPRESSION OF INTEREST)

Annexure-2

GENERAL INFORMATION TO BE SUBMITTED BY APPLICANT FOR TRIAL/DEVELOPEMNT ORDERS FOR IDENTIFIED ITEMS/EQUIPEMNT

1. Name of Applicant Company:
2. Legal status of the Applicant Company:
3. Brief description of the Company including details of its business groups/subsidiaries/ affiliates:
4. Date of Incorporation:
5. Date of Commencement of Business:
6. Shareholding details:
7. Full address including Telephone nos. / Fax nos.:
 - a. Registered Office:
 - b. Head Office:
 - c. Address for communication:
 - d. Contact Details:
 - e. Office Address in India, if any:
8. Existing Manufacturing facilities – locations, capacity, Complete address
9. Documents to be enclosed:
Technical Credentials –
 - a) Supporting document for technology ownership for the equipment proposed for Indigenous manufacturing, if any.
 - b) Details of Intellectual Property Rights (IPR) held, patent filed/held, and MOU/agreement signed**Financial Credentials –**
 - a) Copies of Audited Financial statements (Annual Reports) for preceding 3 financial years as on the date of EOI submission.
 - i. Average Annual Turnover for preceding 3 financial years.
 - ii. Net worth for the preceding financial year.
 - iii. Paid up Share capital for the preceding financial year.
10. We confirm that we are interested in manufacturing of item(s)/equipment (indicated at Annexure-A) similar to proven items/equipment and these items/equipment will be designed to operate on same foundation as of proven items/equipment, same electrical rating, cooling system, lube oil system, etc.
11. We agree that if Trial/ development order of items/equipment considered by NTPC, the same shall be considered successful based on minimum one-year successful operation of equipment and meeting the rated parameters as well as guarantees, as applicable. We also agree that successful operation definition and the operation parameters required to establish the performance shall be as stipulated by NTPC for respective items/equipment(s).
12. We will share product development process, Quality checks and technical details with NTPC, if Trial/ development order of items/equipment(s) considered by NTPC.

(INVITATION FOR EXPRESSION OF INTEREST)

13. We confirm that if Trial/ development order of items/equipment considered by NTPC, we will follow Specification requirements and Codes and Standard as specified.
14. We confirm that if Trial/ development order of equipment considered by NTPC, Bill of Quantity and cost of the items/equipment with proper justification shall be shared with NTPC and Work/time Schedule for supply, erection and commissioning, other terms and conditions including payment terms shall be finalized before order.
15. We confirm that if Trial/ development order of items/equipment considered by NTPC, if at any stage after/during erection/operation, equipment is not performing and modification/repair taking longer time in the opinion of the owner, NTPC reserves the right to reject the items/equipment and we will replace the same with proven items/equipment, if applicable, without any cost implication to NTPC.
16. We understand that if trial operation fails, NTPC may recover the amount paid to us by encashing the applicable PBG (performance Bank Guarantee) submitted by us at the time of placement of trial order.
17. We confirm that, we will fulfill specified minimum guaranteed life as applicable after the trial period for the items/equipment(s) being considered.
18. We confirm that in case of any problem encountered during items/equipment performance, maximum two (2) nos. of chances shall be given for modification of items/equipment. Maximum time of One Year and Three Months shall be given after commissioning of items/equipment for proving successful operation of the items/equipment for a period of one year. Time due to non-operation of equipment due to Owner's part shall not be added in maximum time limit.
19. We confirm that we will replace the items/equipment(s) immediately with proven items/equipment(s), if applicable, in case the item(s)/equipment is(are) not found successful in Trial/Development order without any additional cost implication to NTPC.
20. Any other documents considered relevant.

(Sign & Company Seal)
Authorized signatory

(INVITATION FOR EXPRESSION OF INTEREST)

Annexure-3

ESSENTIAL INFORMATION TO BE SUBMITTED BY APPLICANT FOR EACH ITEM/EQUIPMENT MENTIONED AT ANNEXURE-A

Essential Information:

| | | |
|----|--|---------------|
| 1 | Item/equipment description and type | |
| 2 | Detail of technical basis for giving confidence for manufacturing item/equipment without any collaboration, any experience of similar equipment etc. | |
| 3 | Manufacturing set up details, Annual capacity, Complete Manufacturing and bought item plan for item/equipment | |
| 4 | Quality checks adopted | |
| 5 | Item/equipment Rating | |
| | i) Details of all ratings for which applicant is interested in setting up manufacturing facilities/already have manufacturing facilities to be furnished ii) Rating up to which the equipment being manufactured iii) Reason for not going for higher rating manufacturing | |
| 4 | Design capabilities | |
| 5 | Engineering capabilities | |
| 7 | Local content | |
| 8 | Lead time for manufacturing facilities set-up | |
| 9 | i) Past experience/references where this equipment is supplied ii) Performance feedback | |
| 11 | Type testing facilities available or not | |
| 12 | Performance testing facilities available or not | |
| 13 | Spare support (Please fill period till it will be provided) | |
| 14 | If applicant is already NTPC approved vendor | |
| 15 | If applicant is approved by EPC/SG/STG/BoP vendors (Please mention name) | |
| 16 | Enclose the details of Domestic supply orders executed, if any | |
| 17 | Enclose the details of Export Supply Orders, if any, | |
| 18 | Details of National/International certification/accreditation, if any. | |
| 19 | Applicant is willing to execute trial order (in case applicant is considered for the trial order) at their own expenses. Note: Priority will be given to applicants who are willing to install the trial order item(s)/equipment(s) without any payment from NTPC till completion of successful operation fulfilling all requirements of EOI. | <u>Yes/No</u> |
| 20 | Any other relevant information | |
| 21 | Details of Product Development Stage for the items(s)/equipment(s) for which applicant is interested in trial/development order | |

(INVITATION FOR EXPRESSION OF INTEREST)

| | | |
|----|--|--|
| a. | Item/equipment Size | |
| b. | Item/equipment Type | |
| c. | Item/equipment Rating | |
| d. | Cost and Schedule | |
| e. | Production Capacity | |
| f. | Design Development | |
| g. | Development of manufacturing Process | |
| h. | Development of Manufacturing Drawing | |
| i. | Review of Design and Manufacturing Process | |
| j. | Development of QP/MQP/FQP | |
| k. | Tests to be carried out for sourcing of Raw material | |
| l. | Development of shop test facilities | |
| m. | Lead time for manufacturing facilities set-up | |
| n. | Development of Stage Inspection | |
| o. | Final inspection and model/shop test of Prototype | |
| p. | Work/time Schedule for supply, erection and commissioning | |
| q. | Guarantees for performance, specific period of running hours and warranty of the product | |

(INVITATION FOR EXPRESSION OF INTEREST)

| Annexure-A | | |
|-------------------|--|---|
| Sl. No | Items/Equipment Description | Minimum Eligibility Criteria |
| 1 | Gear Boxes for Air Cooled Condenser Fan drive for 660 MW unit and above | <p>The applicant should have designed, manufactured & supplied Gear Box as per AGMA and design thermal rating of the gear box shall be minimum 125 kW for thermal power plants, steel, oil & gas, petrochemical, fertilizer and / or any other process industry and should have been in successful operation at least One (1) year prior to the closing date of EOI.</p> <p>Trading companies or system integrators without in-house manufacturing facilities shall not be considered.</p> |
| 2 | HP Heater Tube side safety Relief valves for 660 MW Unit and above | <p>The applicant should have manufactured & supplied safety valves for similar applications in coal fired thermal power plant of 500MW unit or above, having minimum pressure, temperature & relieving capacity of 330 ksc, 240 deg C & 24 TPH respectively and should have been in successful operation at least One (1) year prior to the closing date of EOI.</p> <p>Trading companies or system integrators without in-house manufacturing facilities shall not be considered.</p> |
| 3 | Condenser Vacuum Pumps for 660 MW Unit and above | <p>The applicant should have designed, manufactured & supplied Liquid ring type Condenser Air Evacuation Pump for thermal power plants, steel, oil & gas, petrochemical, fertilizer and / or any other process industry with Free dry air capacity 20 SCFM at 1" of Hg (abs) at 21.1 deg C and should have been in successful operation at least One (1) year prior to the closing date of EOI.</p> <p>Trading companies or system integrators without in-house manufacturing facilities shall not be considered.</p> |
| 4 | Reheater Electromatic Relief Valve | <ol style="list-style-type: none"> 1. RH ERV Pr. (Ksc): 64-69 2. RH Temp. (deg C):603 3. Relieving Capacity (TPH):165-225 4. Base material for RH SV: 9Cr-1Mo (i.e. Grade 91/92) 5. Technical specifications are also governed by IBR/ASME relevant regulations/sections. |
| 5 | Coal Mill Motor Gear Box coupling | <ol style="list-style-type: none"> 1. Type of Coupling-Resilient Coupling/ Disc and Pin & Bush type coupling 2. Motor coupling shall be designed to transmit a continuous torque-10290 Nm 3. Gear Box Ratio-30 4. Required Service Factor-4.0 (Min) 5. Duty-Flexible Disc and pin & bush / resilient coupling suitable for heavy shock/ Impact and high inertia loads. |

(INVITATION FOR EXPRESSION OF INTEREST)

| | | |
|---|--|---|
| | | <ol style="list-style-type: none"> 6. Misalignment capacity-To accommodate specified parallel, angular and axial misalignment. 7. Torsional characteristic-Capable of damping torsional shocks and electrical transients typical of large induction motors on mills. 8. Environment-Erosive dust, heat, vibration 9. The coupling shall be rated to transmit the torque and speed requirements of a 6-pole induction motor. 10. Maximum Torque for mill motors shall be 300-320% of Rated Load torque. |
| 6 | RO Membrane | <ol style="list-style-type: none"> 1. RO membrane Manufacturer-The applicant should be a manufacturer of industrial RO membrane of minimum capacity 500LPH permeate for each membrane. 2. Membrane Details: MOC- Polyamide, Spiral wound type, non-telescopic, non-flexing, leak free. 3. Average Flux-Less than 20 L/m²h 4. Salt rejection rate[#] of RO stream at designed flow and effluent quality-Not less than 95%. 5. Guaranteed recovery-Not less than 85% up to the end of 3 years of operation. 6. Guaranteed membrane Life: Not less than 3 years 7. Testing: As per applicable relevant standards. # Salt rejection rate = (1- Permeate TDS/ Feed TDS) *100. |
| 7 | Slew Ring for stacker Reclaimer | <ol style="list-style-type: none"> 1. Equipment-Stacker Reclaimer 2. Application-Superstructure slewing mechanism 3. Duty-Continuous heavy-duty service 4. Environment-Outdoor, dusty, coal handling in stockyard 5. Ambient Temperature-0 °C to 55 °C 6. Slew Bearing Type-Ring type roller bearing/Ball-Roller combination type 7. Slew Material-42CrMo4/EN-19 or superior 8. Operating Speed-0.05 -0.12rpm 9. Slewing Angle-Minimum 210 deg (+105 deg on either side) 10. No of drives-Min 2 nos. 11. Life Required-Minimum 50000 working hrs 12. SR Boom Length-Minimum 41m 13. Forging: <ul style="list-style-type: none"> • Slew Ring forging shall be subjected to Ultrasonic test. • DPT/MPI shall be done on Machined Surface. 14. Size: 4 Mtr and above. 15. The roller bearing slewing ring shall be sealed against penetration of water and dust. 16. Static and Dynamic load- As per Stacker Reclaimer Supplier (OEM) |

(INVITATION FOR EXPRESSION OF INTEREST)

| | | |
|----|--|---|
| 8 | <p>Mineral insulated Copper Conductor (MICC) Cable</p> <p>(Widely used in various applications due to their exceptional property of Fire Resistance, High-Temp. Tolerance & Durability)</p> | <ol style="list-style-type: none"> 1. Mfg. Specification - BS EN 60702-1 & BS EN 60702-2 2. Voltage Rating As per BS EN 60702-1 3. Max conductor resistance, at 20 deg Cel: 7.41Ω/km (for 2.5 sq.mm) and 12.1Ω/km (for 1.5 sq.mm). 4. Max sheath resistance, at 20 Deg Cel: 2.53Ω/km (for 2.5 sq.mm) and 3.35Ω/km (for 1.5 sq.mm). 5. Minimum bending radius: 25 mm 6. Approval: UL / FM / LPCB (Loss Prevention Certification Board) 7. The vendor must be manufacturing Instrumentation, control/power cables for thermal power plant or any other process industries. |
| 9 | <p>Linear Heat Sensing (LHS) Cable</p> <p>(Used for Alarm & Fire Detection in cable galleries)</p> | <ol style="list-style-type: none"> 1. Voltage Rating: 110 V DC Maximum (For testing purpose only) 2. Maximum Ambient Temperature: 45 deg Cel (for cable gallery) / 70 deg Cel (for conveyors) 3. Minimum Alarm Temperature: 60 deg Cel (for cable gallery) / 80 deg Cel (for conveyors) 4. Maximum Alarm Temperature: 70 deg Cel (for cable gallery) / 90 deg Cel (for conveyors) 5. Conductor: Tinned Copper Coated Steel 6. Insulation Heat sensitive polymer 7. Conductor Diameter - 0.9 mm 8. Approval: FM / UL / LPCB 9. Approximate Detection Time for Small flame: Approximately 5 seconds 10. Digital type LHS cable 11. The vendor must be manufacturing Instrumentation / control / power cables for thermal power plant or any other process industries. |
| 10 | <p>Resin Impregnated paper (RIP) bushings (400 KV)</p> | <p>The electrical and mechanical characteristics of bushings shall be in accordance with IS: 2099, IS:3347, IS:12676 & IEC:60137.</p> <p>Bushings from 52 kV up to 420 kV class (including 52 kV and 420 kV class), shall be RIP (Resin Impregnated Paper) Type with composite insulator. It shall be provided with Tap for Capacitance and Tan delta test. All composite resin impregnated bushings (RIP) shall be provided with provision for long term storage to protect from moisture and rodents. The oil side shall be provided with tank which can be filled with oil. Tank shall have necessary provision for oil filling, level gauge etc. Suitable covering to be provided on air side to protect from any damage. The arrangement shall be suitable for storage in horizontal/vertical direction in outdoor location.</p> <p>The oil end dimension of RIP bushing shall be same for all bushings of similar voltage ratings.</p> <p>All condenser bushings shall be non-communicating type. Condenser type bushings shall be provided with:</p> |

(INVITATION FOR EXPRESSION OF INTEREST)

| | | |
|----|---------------------------|---|
| | | <ul style="list-style-type: none"> I. Oil level gauge II. Oil filling plug III. Tap for capacitance and Tan delta test <p>Clamps & fittings shall be of hot dip galvanized steel. Bushing & fittings shall be provided with vent pipes that shall be connected to route any gas collection through the Buchholz relay. No arcing horns shall be provided on the bushings. LV Bushing palm shall be Silver/Tin plated.</p> <p>Oil end portion of 420 KV Class RIP bushings and technical parameters shall be as per CEA standard specification and technical parameters for Transformers and Reactors (66kV and above voltage class).</p> <p>Rated Voltage: 420 KV Rated Current (min.): up to 2000 A</p> <p>Lightning impulse withstand voltage: 1550 kVp Switching impulse voltage: 1175 kVp One min power frequency withstand voltage: 750: kV Minimum total creepage distances: 13020 mm</p> |
| 11 | CRGO Silicon steel | <ul style="list-style-type: none"> 1. Power Transformer (66 KV and above): Core shall be high grade, non-ageing, cold-rolled, super grain-oriented silicon steel laminations known as Hi B grade steels or equivalent as per IS 3024. 2. Transformer (Shunt Reactor & Neutral grounding Reactor): The core shall be constructed from high grade, non-ageing grain-oriented silicon steel laminations-As per IS 3024. 3. Auxiliary Transformers: Core shall be high grade non-ageing cold rolled super grain-oriented silicon steel laminations of M4 grade or better quality- As per IS 3024. |