

	<b>PRE-QUALIFICATION REQUIRMENTS OF LT SWITCHGEAR FOR 2X800MW SINGRAULI STPP STAGE-III</b>	PE-PQ-512-506-E001
		REVISION NO. 0 DATE 19.11.2025
		SHEET NO. 1 of 2

**SCOPE:** Supply: YES;      **Erection & Commissioning:** NO;

**Route 1**

- a) Bidder should have manufactured and supplied at least a total of four hundred & fifty (450) numbers of draw out type Air Circuit Breaker Panels and / or draw out type Motor Control Centre Panels with fault rating of at least 45kA for one (1) second and 105kA peak under a single order and these panels should have been in successful operation for at least two (2) years.

**And**

- b) Bidder should have manufactured and supplied at least one hundred & fifty (150) numbers of Air Circuit Breakers having fault rating of at least 45kA rms BREAKING, 105kA peak MAKING and 45kA withstand for one (1) second, and their associated draw out type Air circuit breaker panels having fault rating of at least 45kA for one (1) second and 105kA peak, which should have been in successful operation for at least two (2) years.

**Route 2**

- a) Bidder should have manufactured and supplied at least a total of two hundred & twenty-five (225) numbers of draw out type Air Circuit Breaker Panels and / or draw out type Motor Control Centre Panels with fault rating of at least 45kA for one (1) second and 105kA peak under a single order and these panels should have been in successful operation for at least two (2) years.

**And**


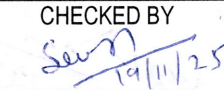
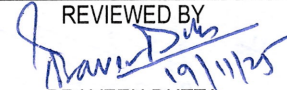

- b) Bidder should have manufactured and supplied at least seventy-five (75) numbers of draw out type Air Circuit Breaker panels having fault rating of at least 45kA for one (1) second and 105kA peak, which should have been in successful operation for at least two (2) years.


**And**

- c) Bidder shall be considered qualified provided its Associate or Collaborator or Technology Provider or Licensor meets the requirement stipulated in Route-1 for sourcing of Air Circuit Breakers. The Associate or Collaborator or Technology Provider or Licensor shall provide a letter of technical support for successful performance of the Air Circuit Breakers, as per the format, given in the bidding document. This letter of technical support should be submitted at the time of placement of order on the bidder.

**And**

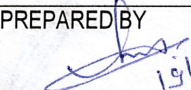
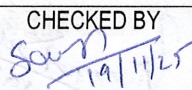
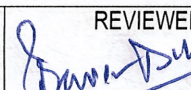

- d) Bidder should have established manufacturing facility for draw out type Air Circuit Breaker Panels and draw out type Motor Control Centre Panels in India. Further, all the panels for this project shall be manufactured and supplied from the Indian manufacturing facility.

PREPARED BY  HEMENDRA S LODHI MANAGER	CHECKED BY  SOURABH TIWARI Sr.MANAGER	REVIEWED BY  PRAVEEN DUTTA AGM	APPROVED BY  DEBASISA RATH GM (ELEC)
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		SHEET NO. 2 of 2

**NOTES:**

- Each Single Front Panel shall be counted as one (1) Panel, Double Front Panel as one (1) Panel and Air Circuit Breaker Panel as one (1) Panel.
- For the purpose of qualification of Bidders, experience shall be reckoned as on 05.03.2024.
- The above PQR points are as per customer specific requirements.
- Consideration of Bidder's offer is subject to BHEL/ BHEL Customer's approval.
- Bidder to submit all supporting documents in English. If documents submitted by Bidder are in language other than English, a self-attested English translated document should also be submitted.
- Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the Bidder/collaborators to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
- After satisfactory fulfillment of all the above criterion requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.
- Attached annexure (Annexure-I) to be filled by the bidder on quality & general terms. Requisite Documents (like factory registration certificate, R&D set-up details etc.) asked in Annexure-I, shall also be attached as Annexure F2.1 to F2.17 along with the filled response in the Annexure-I.

PREPARED BY  HEMENDRA S LODHI MANAGER	CHECKED BY  SOURABH TIWARI Sr MANAGER	REVIEWED BY  PRAVEEN DUTTA AGM	APPROVED BY  DEBASIS PRATH GM (ELEC)
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Annexure-I

<b>i.</b>	<b>Item/Scope of Sub-contracting</b>	
<b>ii.</b>	<b>Address of the registered office</b>	<b>Details of Contact Person</b> (Name, Designation, Mobile, Email)
<b>iii.</b>	<b>Name and Address of the proposed Sub-vendor's works where item is being manufactured</b>	<b>Details of Contact Person:</b> (Name, Designation, Mobile, Email)
<b>iv.</b>	<b>Annual Production Capacity for proposed item/scope of sub-contracting</b>	
<b>v.</b>	<b>Annual production for last 3 years for proposed item/scope of sub-contracting</b>	
<b>vi.</b>	<b>Details of proposed works</b>	
1.	<b>Year of establishment of present works</b>	
2.	<b>Year of commencement of manufacturing at above works</b>	
3.	<b>Details of change in Works address in past (if any)</b>	
4.	<b>Total Area</b>	
	<b>Covered Area</b>	
5.	<b>Factory Registration Certificate</b>	<b>Details attached at Annexure – F2.1</b>
6.	<b>Design/ Research &amp; development set-up</b> (No. of manpower, their qualification, machines & tools employed etc.)	<b>Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design</b> <b>Details attached at Annexure – F2.2</b> <b>(if applicable)</b>
7.	<b>Overall organization Chart with Manpower Details</b> (Design/Manufacturing/Quality etc.)	<b>Details attached at Annexure – F2.3</b>
8.	<b>After sales service set up in India, in case of foreign sub-vendor.</b> (Location, Contact Person, Contact details etc.)	<b>Applicable / Not applicable</b> <b>Details attached at Annexure – F2.4</b>
9.	<b>Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any</b>	<b>Details attached at Annexure – F2.5</b>
10.	<b>Sources of Raw Material/Major Bought Out Item</b>	<b>Details attached at Annexure – F2.6</b>
11.	<b>Quality Control exercised during receipt of raw material/BOI, in-process, Final Testing, packing</b>	<b>Details attached at Annexure – F2.7</b>

12.	<b>Manufacturing facilities</b> (List of machines, special process facilities, material handling etc.)			Details attached at Annexure – F2.8		
13.	<b>Testing facilities</b> (List of testing equipment)			Details attached at Annexure – F2.9		
14.	<b>If manufacturing process involves fabrication then-</b>			Applicable / Not applicable		
	List of qualified Welders			Details attached at Annexure – F2.10		
	List of qualified NDT personnel with area of specialization			(if applicable)		
15.	List of out-sourced manufacturing processes with Sub-Vendors' names & addresses			Applicable / Not applicable  Details attached at Annexure. –F2.11 (if applicable)		
16.	Supply reference list including recent supplies			Details attached at Annexure – F2.12 (as per format given below)		
<b>Project/ package</b>	<b>Customer Name</b>	<b>Supplied Item (Type/Rating/Model /Capacity/Size etc.)</b>		<b>PO ref no/date</b>	<b>Supplied Quantity</b>	<b>Date of Supply</b>
17.	Product satisfactory performance feedback letter/certificates/End User Feedback			Attached at annexure - F2.13		
18.	Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product (similar or higher rating) Note: - Reports need not to be submitted			Applicable / Not applicable  Details attached at Annexure – F2.14 (if applicable)		
19.	Statutory / mandatory certification for the proposed product			Applicable / Not applicable  Details attached at Annexure – F2.15 (if applicable)		
20.	Copy of ISO 9001 certificate (if available)			Attached at Annexure – F2.16		
21.	Product technical catalogues for proposed item (if available)			Details attached at Annexure – F2.17		
Name:						
Desig:						
Sign:						
Date:						

Company's Seal/Stamp: -

**Annexure-II ( On Company Letter Head)**

**LETTER OF TECHNICAL SUPPORT FOR SATISFACTORY PERFORMANCE OF AIR  
CIRCUIT BREAKERS**

TO

[EMPLOYER'S NAME & ADDRESS]

**Sub:** Letter of Support submitted from ..... (name of the Associate\*/Collaborator\*/Technology provider\*/Licensor\*) undertaking the responsibility for satisfactory performance of .... (name of the equipment).

Dear Sirs,

1. In accordance with the Award of the Contract by ..... (Name of the Contractor) to M/s. .... (Name of the sub-vendor), we, the aforesaid Associate\*/Collaborator\*/Technology provider\*/Licensor\*, (M/s ..... ) shall be fully responsible for the satisfactory performance of the ..... (equipment name).
2. Further, the manner of achieving the objective set forth in point 1 above shall be as follows  
For ..... (Equipment name):
  - (a) We shall provide manufacturing and assembly drawings of..... (Equipment name). ..... (Equipment name) shall be manufactured and supplied as per above drawings provided by us.
  - (b) We shall depute technical experts to Bidder's/sub-vendor's works for supervision during manufacturing, assembly, inspection, as and when required by Employer. We shall participate in site erection, commissioning and final testing (as and when necessary) of the..... (equipment name).
  - (c) We shall participate in Technical Co-ordination meetings (TCMs) from time to time, as and when required by Employer.
  - (d) We shall promptly carry out all the corrective measures and shall promptly provide corrected design and shall undertake replacements, rectifications or modifications to the equipment as and when required by Employer in case the equipment fails to demonstrate successful performance as per contract at site.
3. We, the Associate\*/Collaborator\*/Technology provider\*/Licensor\* do hereby undertake and confirm that this Letter of Support shall be valid till 90(ninety) days after the end of the defect liability period of the contract.

Signature of the Authorised Representative: ...

For M/s .....

(Associate\*/Collaborator\*/Technology provider\*/Licensor\*)

Name .....

Designation .....

Date: ...

Common Seal of the Company

\*: Strike off whichever is not applicable.