

	<b>TECHNICAL PRE-QUALIFICATION REQUIREMENT (PQR)</b> <b>GYPSUM DEWATERING EQUIPMENT</b> <b>LARA SUPER THERMAL POWER PROJECT</b> <b>STAGE-II (2 X 800 MW)</b>	PE-PQ-508-571-A101
		Issue No. 01
		Rev. No. 00
		Date : 05.04.2024

### PRE QUALIFICATION REQUIREMENT (TECHNICAL)

SN.	Particulars
1	The bidder shall be manufacturer who has previously designed (either by itself or under collaboration / licensing agreement), manufactured / got manufactured, Vacuum Belt Filter (Belt Type) for dewatering process in a Wet Limestone based FGD application in Coal fired power plant or in any other process application, of minimum capacity 35 Tons per hour (wet cake) such that the equipment/ system should have been in successful operation in at least one (1) plant for a period not less than one (1) year as on 03.03.2023.
2	In case the bidder does not have above credential (sl. no 1above), the Bidder shall be required to furnish a letter of support (Annexure-A) from Technology provider who meets the requirements stipulated at sl. no. 1 along with the agreed scope matrix for successful performance of the equipment valid up to the end of defect liability period of the contract.
3	In case bidder is bidding under collaboration/ licensing agreement, then bidder has to submit additional supporting documents mentioned at Annexure- I & II.
4	The bidder has to submit following supporting documents meeting above mentioned pre-qualifying requirement:  Copy of minimum one (1) performance certificate (in English) from end user along with copy of related Purchase Order (PO) or Letter of intent (LOI) or Letter of Award (LOA) or Work Order (WO) in support of PQR above.
5	Bidder shall submit design documents to substantiate technical parameters specified in PQR, if the same is not mentioned in performance certificate/purchase order.
6	Bidder shall offer and supply only the type of the above equipment(s) for which it, itself or the manufacturer / Collaborator(s) / Licenser(s) proposed by the Bidder for the above equipment(s) is qualified.
7	Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a translation of its pertinent passages in English language in which case, for purposes of interpretation of the bid, the translation shall govern. The English Translation of the documents shall be carried out by professional translators and the translator shall certify that he is proficient in both languages in order to translate the document and that the translation is complete and accurate. Further, translation shall be authenticated by the Indian Consulate located in the Country where the documents have been issued or the Embassy of that Country in India.
8	Notwithstanding anything stated above, BHEL/ CUSTOMER reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL/ CUSTOMER.
9	After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.

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<b>Notes (A)</b>	Bidders are advised to furnish the PQR documents in line with Clause no 1 which is specific requirement of BHEL's end customer. However, in case the bidder feels that they are not meeting the requirement of clause no 1, but can meet the requirement of clause no 2, then they are advised to submit the bids along with PQR documents meeting the clause no 2. The bids meeting the requirement of clause no 2 shall be technically recommended by BHEL and shall be forwarded to end customer for acceptance of any relaxation with respect to clause no 2 and shall be subject to approval of bidder(s) by end customer.
<b>(B)</b>	In case BHEL's end customer does not consider any relaxation with respect to clause no 2, the bids and bidder's approval shall be governed with respect to clause no 1 of PQR and bidder will not have any claim with respect to clause no 2.

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	(PQR)	Issue No. 01
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	LARA SUPER THERMAL POWER PROJECT STAGE-II (2 X 800 MW)	Date : 05.04.2024

<b>Annexure-I to PQR (TECHNICAL)</b>	
<b>SN.</b>	<b>Particulars</b>
1	A JV / Subsidiary Company formed for manufacturing and supply of equipment(s) as listed at clause no. 1.0 of the document no. PE-PQ-508-571-A101, in India can also manufacture such equipment(s), provided that it has a valid collaboration or licensing agreement for design, engineering, manufacturing of such equipment(s) in India with a qualified equipment manufacturer who meets the requirements stipulated at the said clause (or the technology provider of the qualified equipment manufacturer) for the respective equipment(s).
2	Further, in such a case, such qualified equipment manufacturers should have, directly or indirectly through its holding company/ subsidiary company, at least 26% equity participation in the Indian Joint Venture (JV) Company/ Subsidiary Company, which shall be maintained for a lock-in period of seven (7) years from the date of incorporation of such Joint Venture/ Subsidiary or up to the end of defect liability period of the contract, whichever is later.
3	In such case(s), the bidder shall furnish the following details of JV/ Subsidiary company:  a. Copy of document of incorporation of JV/Subsidiary company in India  b. Copy of valid ongoing collaboration and technology transfer agreement for design, engineering, manufacturing, supply of such equipment in India with the collaborator who meets the requirement stipulated at clause 1.0 of document no. PE-PQ-508-571-A101.  c. Copy of document of at least 26% equity participation of qualified equipment manufacturer in the Indian JV company/subsidiary company directly or indirectly through its holding/Subsidiary company, which shall be maintained for a lock-in period of seven (7) years from the date of incorporation of such JV/ Subsidiary or up to the end of defect liability period, of the contract whichever is later.  d. Further, the details of collaborator or technology provider of the qualified equipment manufacturer who meets the requirement stipulated at clause 1.0 of document no. PE-PQ-508-571-A101 shall be filled by the bidder in the format placed at Annexure-II.
4	Before taking up the manufacturing of such equipment(s) as per clause 2 above, the Bidder must create (or should have created) manufacturing and testing facilities at its works as per Collaborator / licensor's design, manufacturing and quality control system for such equipments duly certified by the Collaborator / licensor. Further, the Collaborator / Licensor shall provide (or should have provided) all design, design calculation, manufacturing drawings and must provide (or should have provided) technical and quality surveillance assistance and supervision during manufacturing, erection, testing, commissioning of equipments.
5	BHEL/ CUSTOMER reserves the right to fully satisfy himself regarding capability and capacity of Bidder and the proposed arrangement and may prescribe additional requirement before allowing manufacture of the equipment listed above for this contract.
6	Whenever the term 'coal fired' is appearing, 'Coal' shall be deemed to also include Bituminous coal/ Brown coal/ Anthracite coal/ Lignite.

**PROJECT: LARA SUPER THERMAL POWER PROJECT STAGE -II (2 X 800 MW)  
 PACKAGE: GYPSUM DEWATERING EQUIPMENT**

**Annexure-II to PQR (TECHNICAL)**

**Vacuum Belt filters:** We declare that, we/our Sub-Vendor, have designed (either by itself or under collaboration / licensing agreement), \*manufactured/\*got manufactured and supplied at least one (1) number of Vacuum Belt filter of required capacity , Belt type, working in Wet Limestone based FGD application in Coal fired power plant#and which has been in successful operation for minimum one(1) year reckoned as on the date of consideration for approval but not later than six months to award date of contract to the Main bidder, as per the details furnished below:  
 # Or in any other process application

Sl. No.	Description	Reference Work
1.	Name of the reference plant & location:	
2.	Client name and his address:	
3.	No. of units and capacity in MW of unit:	
4.	Whether power plant is coal fired	-*Yes/*No
5.	Whether operating in a Wet Limestone based FGD application in coal fired power plant	-*Yes/*No
6.	Name of equipment manufacturer & address:	
7.	Date of commission of the equipment:	
8.	Model no. of the equipment:	
9.	Brief Technical particulars of the equipment:	
10.	Capacity-	.....TPH

Signature of authorized signatory.....

Refer Technical PQR for minimum capacity and date of consideration by which one year of successful operation is to be established by the bidder

PROJECT:- LARA SUPER THERMAL POWER PROJECT STAGE - II (2X800 MW)  
 PACKAGE:- GYPSUM DEWATERING EQUIPMENT

Annexure-II to PQR (TECHNICAL)

Sl. No.	Description	Reference Work
11.	Whether the equipment(s) are in successful operation in atleast one(01) plant for a period not less than one(01) year reckoned as on the date of consideration for approval but not later than six months to award date of contract to the Main bidder	- *Yes/*No
12.	Flue gas Desulphurization system details:	*Technical extract/ *paper letter/ *email/ *Drawing from user or *contract document or *scheme or *any document in public domain enclosed at annexure.....to Attachment-3K
13.	Scope of Work:	*Letter of Award or *Contract or *P.O. enclosed at Annexure.....to Attachment-3K
14.	Performance details:	*Certificate/*Letter/*E-mail from End user enclosed at Annexure.....to Attachment-3K

**\* Strike off whichever is not applicable.**

Signature of authorized signatory.....

Refer Technical PQR for minimum capacity and date of consideration by which one year of successful operation is to be established by the bidder

**Typical Annexure-A (to be suitably modified as per end customer requirement)**

**LETTER OF SUPPORT FOR SATISFACTORY PERFORMANCE OF  
VACUUM BELT FILTER (VBF)**

To:  
NTPC Limited

**Sub:** Letter of Support submitted from.....(name of the Collaborator) undertaking the responsibility for satisfactory performance of Vacuum Belt Filter

Dear Sirs,

1. In accordance with the Award of the Contract by..... (*name of the bidder*), we the aforesaid ..... (*design/engineering activities/structural design*) Provider, (M/s.....) shall be fully responsible for the satisfactory performance of the Vacuum Belt Filter (VBF)
2. Further, the manner of achieving the objective set forth in point 1 above shall be as follows, for Vacuum Belt Filter (VBF)
  - a) We shall be fully responsible for design, engineering & commissioning and extending all necessary support for putting into satisfactory operation and carrying out the Guarantee Tests for Vacuum Belt Filter (VBF) to the satisfaction of the employer.
  - 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 Vacuum Belt Filter
  - 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 measure and shall promptly provide corrected design and shall undertake replacements, rectifications or modifications to Vacuum Belt Filter (VBF) as and when required by employer in case the Vacuum Belt Filter (VBF) fails to demonstrate successful performance as per contract at site.
3. We, .....(*design/engineering activities/structural design*) provider do hereby undertake and confirm that this Letter of Support shall be valid up to the end of the defect liability period of contract.

Signature of the Authorised Representative:

For M/s .....  
(Collaborator)

Name .....

Designation .....

Date.....

Common Seal of the Company