

	PROJECT: 3x660 MW NABINAGAR STPP		DOC NO.: PE-PQ-457-571-18000-A001
	PRE-QUALIFICATION REQUIREMENT (PQR)		DATE 25.09.20
	AGITATORS		REV NO. 00

1.0	The bidder shall submit its credentials having previously designed and manufactured agitators (vertical and horizontal) in a Wet Limestone based FGD application in Coal fired power plant, which is in successful operation for a period of not less than one (1) year as on 13.12.2019. The rating of the Agitator shall not be less than that supplied for 500 MW or higher size unit for similar application.
2.0	In case the Bidder is not manufacturer of Agitators as per clause no.1.0 above, but is a manufacturer of Agitators for application in petrochemical, metals and mining industry, sugar, paper, fertilizer industry etc., and has previously designed and manufactured Agitators (vertical and horizontal) having a minimum rating of 30 KW & 22 KW (each for vertical and Horizontal respectively) which is in successful operation for a period of not less than one (1) year as on 13.12.2019.
3.0	In case the Bidder is not manufacturer of proven Agitators as per clause no. 1.0 & 2.0 above, it shall fulfil the requirement placed at Annexure-1 for clause no. 1 & Annexure-2 for clause no. 2 respectively pertaining to the Proven-ness criteria for Agitators for 3x660 MW NABINAGAR STPP.
4.0	The supplier has to submit following supporting documents meeting above mentioned pre-qualifying requirement: a) 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 clause at S.No.1.0 / S.No. 2 above as applicable. These documents must contain details of both vertical as well as horizontal agitators. b) Copy of all documents to establish conditions as mentioned in Annexure-1 / Annexure-2 as applicable. i) Copy of document of incorporation of JV/ Subsidiary company in India. ii) Copy of valid ongoing collaboration / licencing agreement / technology transfer agreement. iii) 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. iv) The details of collaborator or technology provider of the qualified equipment manufacturer who meets the requirement stipulated at clause 1.0 / 2.0 /3.0 shall be filled by the bidder in the format placed at Annexure-3.
5.0	Bidder shall submit design documents to substantiate technical parameters specified in PQR, if the same is not mentioned in performance certificate/purchase order.
6.0	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.

	PROJECT: 3x660 MW NABINAGAR STPP		DOC NO.: PE-PQ-457-571-18000-A001
	PRE-QUALIFICATION REQUIREMENT (PQR)		DATE 25.09.20
	AGITATORS		REV NO. 00

7.0	Notwithstanding anything stated above, BHEL/ NTPC 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 /NTPC.
8.0	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.

Notes:

- a) Please note, PQR indicated at Clause no 1 is requirement of BHEL's end customer (M/s NTPC) with respect to capacity and FGD application in coal fired power plant and to be considered by M/s NTPC while approving the bidder.
- b) BHEL will take up with M/s NTPC for relaxation with respect to rating and alternate process application which are indicated at clause no. 2.
- c) 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 requirements of clause no. 1, but can meet the requirement of clause no. 2, then they are advised to submit the bids along with the 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 in line with the clause no. 2 and shall be subject to approval of bidder(s) by M/s NTPC.
- d) A Bidder can offer their bid only against either Clause No. 1 or Clause No. 2 to be read conjunction with Clause No. 3.
- e) In case BHEL's end customer (M/s NTPC) does not consider any relaxation with respect to Clause no. 2 above, the bids and the bidder's approval shall be governed with respect to clause no.1 of PQR and bidder will not have any claim for qualification with respect to clause no.2.

Prepared (SR/RK)

Reviewed(MM/SKB)

Approved By(AK)

Annexure-1 to Doc No. PE-PQ-457-571-18000-A001

1. A JV / Subsidiary Company formed for manufacturing and supply of equipment(s) as listed at clause no. 1.0 of document no. PE-PQ-457-571-18000-A001, R-00 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).

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 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.

2. In case the Bidder is not manufacturer of proven Agitators as per clause no. 1.0 of document no. PE-PQ-457-571-18000-A001, R-00 but is a manufacturer of Agitators for similar process/duty application in petrochemical, metals and mining industry, the Bidder can also manufacture Agitators, provided it has collaboration or valid licensing agreement for design, engineering, manufacturing, supply of such Agitators in India with such manufacturer who meet the requirements stipulated at the said clause.
3. Before taking up the manufacturing of such equipment(s) as per clause 1 & 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 equipment(s) 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 equipment(s).
4. BHEL/NTPC reserves the right to fully satisfy himself regarding capability and capacity of the proposed arrangement and may prescribe additional requirement before allowing manufacture of the equipment listed above for this contract.

Annexure-2 to Doc No. PE-PQ-457-571-18000-A001

1. A JV / Subsidiary Company formed for manufacturing and supply of equipment(s) as listed at clause no. 2.0 of document no. PE-PQ-434-571-18000-A001, R-00 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).

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 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.

2. In case the Bidder is not manufacturer of Agitators as per clause no. 2.0 of document no. PE-PQ-457-571-18000-A001, R-00 the bidder can also manufacture Agitators, provided it has collaboration or valid licensing agreement for design, engineering, manufacturing, supply of such Agitators in India with such manufacturer who meet the requirements stipulated at the said clause.
3. Before taking up the manufacturing of such equipment(s) as per clause 1 & 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 equipment(s) 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 equipment(s).
4. BHEL/NTPC reserves the right to fully satisfy himself regarding capability and capacity of the proposed arrangement and may prescribe additional requirement before allowing manufacture of the equipment listed above for this contract.

- F. Agitators:** We declare that, we/ ; have designed (either by itself or under collaboration / licensing agreement),*manufactured/*got manufactured and supplied at least one (1) number of Agitators with rating not less than that supplied for 500 MW or higher size unit for similar application, Vertical/Horizontal 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::

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 equipments:	
8.	Model no. of the equipment:	
9.	Brief Technical particulars of the equipments:	
10.	Agitators supplied for	MW unit size

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/ *Drwaing 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.

NOTE: 1) THE FORMAT IS APPLICABLE FOR BIDDERS WHO OFFER THEIR BID AGAINST CLAUSE NO.1 & 3 OF PE-PQ-463-571-18000-A001.
2) INCASE BIDDER OFFER THEIR BID AGAINST CLAUSE NO.2 & 3 OF PE-PQ-463-571-18000-A001, DETAILS TO BE FURNISHED BY THE BIDDER IN THE ABOVE FORMAT SUITABLY.
3)THE FORMAT TO BE FILLED SEPARATELY FOR BOTH HORIZONTAL AND VERTICAL AGITATOR.