
	PROJECT: 4 x 210MW+3X500 MW KAHALGAON STPP		DOC NO.: PE-PQ-481-571-18000-A002	
	PRE-QUALIFICATION REQUIREMENT (PQR)		DATE	18.04.2022
	AGITATORS OF FGD SLURRY TANKS		REV NO.	00

1.0	The bidder shall submit its credentials having previously (either by itself or under collaboration / licensing agreement), manufactured / got 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 30.09.2020. The rating of the Agitator shall not be less than that supplied for 500 MW or higher size unit for similar application. Bidder shall supply only the type of the equipment(s) for which the bidder is qualified.
2.0	In case bidder is not meeting above clause, it shall fulfil the requirement placed at Annexure-1 pertaining to the Provenness criteria for Agitators for the Flue Gas Desulphurisation System.
3.0	<p>The supplier has to submit following supporting documents meeting above mentioned pre-qualifying requirement:</p> <ul style="list-style-type: none"> <li>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 above as applicable. These documents must contain details of both vertical as well as horizontal agitators.</li> <li>b) Copy of all documents to establish conditions as mentioned in Annexure-1 as applicable. <ul style="list-style-type: none"> <li>i) Copy of document of incorporation of JV/ Subsidiary company in India.</li> <li>ii) Copy of valid ongoing collaboration / licencing agreement / technology transfer agreement.</li> <li>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.</li> <li>ii) The details of collaborator or technology provider of the qualified equipment manufacturer who meets the requirement stipulated at Annexure-1 shall be filled by the bidder in the format placed at Annexure-2.</li> </ul> </li> </ul>
4.0	Bidder shall submit design documents to substantiate technical parameters specified in PQR, if the same is not mentioned in performance certificate/purchase order.
5.0	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.

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6.0	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.
7.0	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.
8.0	Group-wise (horizontal type/ Vertical type) agitator evaluation will be done ie. bidder can quote either both horizontal and vertical type agitators (Complete Scope) or either Horizontal/ Vertical type Agitators . Hence, part scope as defined above is acceptable.

Prepared By

Reviewed By

Approved By

Annexure-1 to Doc No. PE-PQ-481-571-18000-A002

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-481-571-18000-A002 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-481-571-18000-A002, but is a manufacturer of Agitators for similar process/duty application in petrochemical or metals and mining industry, the Bidder shall also be considered qualified for manufacturing Agitators, provided it has collaboration or valid licensing agreement for design, engineering, manufacturing, supply of such Agitators in India with such manufacturer who meets the requirements stipulated at clause no. 1.0 of document no. PE-PQ-481-571-18000-A002.
3. Before taking up the manufacturing of such equipment(s) as per clause 2 & 3 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/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.

Prepared By

Reviewed By

Approved By

## ANNEXURE-2

ATTACHMENT - 3K  
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THE FORMAT TO BE FILLED SEPARATELY FOR BOTH HORIZONTAL AND VERTICAL AGITATOR.

**F. Agitators:** 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 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

Signature of authorized signatory.....

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.**

**Signature of authorized signatory.....**

**\*2.00.00**      **Applicable for Bidder/his sub vendors seeking provenness criteria as per clause no. 4.01.02, Sub section-I, Part-A of Section-VI.**

**2.01.00**      We, hereby confirm that we/our sub-vendors are a regular manufacturer of Booster Fan for units of atleast \*195/\*250/\*500/\*660 MW rating and the details in this regard on provenness criteria as per clause **4.01.01**, sub-section-I, Part-A, Section-VI are hereby furnished below:

**\*Bidder to strike off whichever is not applicable.**

**(Data to be furnished in line with format given at 1.00.00 of this Attachment)**

2.02.00      ~~We further confirm that details in respect of collaboration / valid licencing agreement for the aforesaid equipment as per 2.01.00 above who meets the requirement stipulated at clause **4.01.01**, sub-section-I, Part-A, Section-VI are enclosed at **Annexure-.....** to this Attachment. The data in respect of provenness criteria for these equipment which are in successful operation in at least one (1) plant for a period not less than one reckoned as on the date of consideration for approval but not later than six months to award date of contract to the Main bidder are furnished below. We further confirm that we/ our sub vendor(s) have created manufacturing and testing facilities at our/ their works as per collaborator's/ Licensor's design, manufacturing & quality control system for these equipment(s)/ Auxiliary(ies).~~

**(Data to be furnished in line with format given at 1.00.00 of this Attachment)**

Signature of authorized signatory.....

**\*3.00.00**      **Applicable for JV Company/Subsidiary Company meeting provenness criteria as per clause no. 4.01.01, Sub section-IA, Part-A of Section-VI.**

**3.01.00**      We, hereby confirm that JV company/ Subsidiary company (Strike off whichever is not applicable) formed for manufacturing and supply of equipment(s) (~~\*Booster Fans, \*Slurry Recirculation Pumps, \*Oxidation Blowers, \*Wet Limestone Grinding Mills, \*Slurry Pumps, \*Agitators, \*Vacuum Belt Filters~~) has a valid ongoing collaboration and technology transfer agreement for design, engineering, manufacturing of such equipment(s) in India with a qualified equipment manufacturer who meets the requirements stipulated at clause 4.01.01 of sub-section-I, Part-A, Section VI of bidding documents (or the technology provider of the qualified equipment manufacturer). Further, in such a case, such qualified equipment manufacturers is having, 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. Before taking up the manufacturing of such equipment(s) (\*Booster Fans, \*Slurry Recirculation Pumps, \*Oxidation Blowers, \*Wet Limestone Grinding Mills, \*Slurry Pumps,\*Agitators, \*Vacuum Belt Filters), we/ our sub vendor(s) \*will create /\*have created manufacturing facilities at his works as per collaborator's/licenser's design, manufacturing and quality control system.

We further confirm that details in respect of collaboration / valid licencing agreement for the aforesaid equipment(s) (~~\*Booster Fans, \*Slurry Recirculation Pumps, \*Oxidation Blowers, \*Wet Limestone Grinding Mills, \*Slurry Pumps, \*Agitators, \*Vacuum Belt Filters~~) who meets the requirement stipulated at clause **4.01.01**, sub-section-I, Part-A, Section-VI for are enclosed at **Annexure-.....** to this Attachment.

Signature of authorized signatory.....

**\*7.00.00**      **Applicable for Bidder/his sub vendors seeking provenness criteria as per clause no. 4.01.06, Sub section-I, Part-A of Section-VI.**

**7.01.00**      We, hereby confirm that \*we/\*our sub-vendors is a manufacturer of a manufacturer of Agitators for similar process/duty application in petrochemical or metals and mining industry. (Details of references enclosed at Annexure .....)

**(Data to be furnished in line with format given at 1.00.00 of this Attachment))**

**7.02.00**      We further confirm that details in respect of collaboration / valid licencing agreement for the Agitator between \*us/\*our sub-vendors, as per 6.01.00 above, and with qualified Agitator manufacturer, who meets the requirement stipulated at clause **4.01.01**, sub-section-I, Part-A, Section-VI are enclosed at **Annexure-.....** to this Attachment. The data in respect of proveneness criteria for the qualified Agitator manufacturer, which is in successful operation in at least one (1) plant for a period not less than one reckoned as on the date of consideration for approval but not later than six months to award date of contract to the Main bidder are furnished below.

We further confirm that before taking up the manufacturing of such Agitator, \*we/ \*our sub vendor(s) \*will create /\*have created manufacturing facilities at his works as per collaborator's/licenser's design, manufacturing and quality control system.

**(Data to be furnished in line with format given at 1.00.00 of this Attachment)**

Signature of authorized signatory.....