

**RFQ No. 77/16/6295/RCD-AHP Main Package for 2X800 MW Telangana Super
Thermal Power Project-Karimnagar**

PRE-QUALIFICATION REQUIREMENT (PQR)-R1

A. Pre-Qualification Requirement: (Technical)

1	Ash Handling system (Technical) 1.1 The Bidder should be a supplier of ash handling systems and should have executed ash handling systems involving design, engineering, manufacture, supply, erection and commissioning for: (a) (i) Wet Bottom Ash handling system comprising a jet pump system in conjunction with water impounded Bottom Ash Hopper designed for the following conveying capacities for pulverized coal fired boilers: Jet Pump System: 50 tonnes/hour (dry ash basis) or more per jet pump. The reference Bottom Ash Handling systems should be a jet pump system as is being offered by the Bidder. (b) (i) Pneumatic fly ash handling system for conveying fly ash from ESPs of a single pulverized coal fired boiler unit by: Pressure conveying system designed for 30 TPH or more conveying capacity. The reference fly ash handling systems should be of the pressure system, as is being offered by the Bidder. (c) Pneumatic Fly Ash Transportation System for transporting fly ash from pulverised coal fired boiler unit having capacity of not less than 20 TPH for a conveying distance of not less than 500meter including fly ash storage silo. (d) Complete high concentration ash slurry disposal system for handling not less than 40 tons of ash per hour for pulverised coal fired power stations which includes, among others, positive displacement ash slurry pumps & piping system with associated controls. The systems mentioned at 1.1 (a), (b) & (c) above should have been in successful operation in at least one (1) plant for at least two (2) years prior to date of Techno-Commercial bid opening. The system mentioned at 1.1(d) above should have been in successful operation in at least one (1) plant for at least two (2) years prior to date of Techno-Commercial bid opening. For the purpose of qualification, the experience as at 1.1 (a), (b), (c) & (d) above in separate plants also is permissible. An individual boiler unit having its own independent bottom ash handling system of the jet pump system type can be considered as a plant for meeting the requirement of 1.1 (a) above.
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An individual boiler unit having its own independent fly ash handling system up to dry dust collection buffer hoppers which includes, among others, independent fly ash handling equipment below ESP hoppers, independent ash conveying piping up to dry dust collection buffer hoppers can be considered as a plant for meeting the requirement of 1.1 (b) above. Further, a transportation system provided for an individual boiler unit having dedicated transportation vessels below dry dust collection buffer hoppers and dedicated piping from dry dust collection buffer hoppers to storage silos, including storage silos can be considered as a plant for meeting the requirement of 1.1 (c) above.

For reference fly ash handling systems, the design capacity of conveying from ESPs to buffer hoppers and of transportation from buffer hoppers to storage silos will be the capacity which the client (of the reference plant against which the Bidder is seeking qualification) must have specified in its contract documents.

1.2 The Bidder who is a supplier of ash handling systems but does not meet the requirements under clause 1.1 in part or in full can also participate provided it has executed at least the following systems of ash handling plant involving design, engineering, manufacture, supply, erection and commissioning:

a) Bottom ash handling system comprising either a jet pump system in conjunction with water impounded Bottom Ash Hopper.

b) Fly Ash Handling System for conveying fly ash from ESPs in dry form (involving pneumatic conveying system of pressure type)

The systems mentioned at 1.2 (a) and 1.2 (b) above should have been in successful operation in at least one (1) plant for two (2) years prior to the date of Techno-Commercial bid opening and should have been installed for pulverized coal fired boiler units generating not less than 40 TPH of ash per boiler.

And

Collaborates/ associates with party(ies) who meet(s) either the total requirement or the balance part under 1.1 (a),(b),(c) above which the Bidder itself is not able to meet. For Cl. 1.1 (d), Bidder may engage an agency who has done Design & Engineering for high concentration ash slurry disposal system handling not less than 40 TPH of ash for pulverized coal fired power station and the system should have been in successful operation for at least two (2) years prior to date of Techno Commercial bid opening.

In such a case, the Bidder shall be required to furnish a Deed of Joint Undertaking (DJU) jointly executed by the Bidder, and the Collaborator(s)/ Associate(s) and each executant of DJU shall be jointly and severally liable to the Employer for successful performance of the relevant system, as per the format enclosed with the bidding document. The Deed of Joint Undertaking (DJU) should be submitted along with the bid. In such a case, each Collaborator/ Associate shall be required to furnish a non demand bank guarantee at the time of placement of order as follows:

- (i) INR 3.8 Million (Indian Rupees Two million nine hundred thousand only) for Collaborator/Associate for Bottom Ash Handling System
- (ii) INR 2.2 Million (Indian Rupees One million seven hundred thousand only) for Collaborator/Associate for Vacuum Conveying System
- (iii) INR 7.0 Million (Indian Rupees Five million three hundred thousand only) for

- Collaborator/Associate for Pressure Conveying System
(iv) INR 6.0 Million (Indian Rupees Four million five hundred thousand only) for Collaborator/ Associate for Pressure Transportation Conveying System.

In case bidder collaborates/associates for more than one system with a party, then the Collaborator/Associate shall be required to furnish an on demand bank guarantee for an amount arrived at by adding up the amounts for the relevant systems as above.

1.3 The activity of design and engineering under 1.1 (a), (b) & (c) should have been carried out by the Bidder and not through any external design agency/agencies. The activity of design and engineering under 1.1 (d) should have been carried out by either the Bidder or through design agency/design agencies having experience for high concentration ash slurry disposal system.

For design and engineering activity referred under paras 1.2 the activity should have been carried out by either the Bidder or through design agency/agencies having experience for reference systems. In case of Collaborator(s)/associate(s) (meeting the balance part of total requirement under clause 1.1, the activity of design and engineering for the reference systems should have been carried out by them.

1.4 a) Positive Displacement Pumps for High Concentration Slurry Disposal System

The positive displacement pumps for high concentration slurry disposal System to be supplied shall be from such manufacturers/suppliers who have in the past supplied and installed positive displacement pumps for high concentration slurry disposal System for similar duty applications and have at least two(2) nos. pumps of same models that are being offered having capacity not less than 150 m³/hr which should have been in successful operation for at least two (2) years prior to the date of Techno-Commercial bid opening.

b) Design and Engineering Agency for High Concentration Slurry Disposal System

Design agency/agencies for high concentration slurry disposal system should be either a high concentration slurry disposal system supplier meeting the qualification of clause 1.1 (d), for the offered system or consultancy organization who has designed and engineered similar system(s) for handling not less than 40 tonnes of ash per hour, for pulverized coal fired power station(s) and the system(s) should have been in successful operation in at least one (1) plant for at least two (2) years prior to the date of Techno-Commercial bid opening.

NOTES:

1. Bidder shall submit requisite Documentary evidence such as attested copy of award letter/contract and also completion certificates/performance certificates of previous works executed with aforesaid criteria, properly indexed along with offer.
2. Bidder shall submit details of experience i.e., jobs executed, jobs in progress in the following format indicated along with the offer.
3. In case the bidder proposes to submit offer along with associate/collaborator, the signed DJU format-Annexure A shall be submitted along with bid. Failure to submit the filled in format attachments will call for rejection of offer. In such a case, each

Collaborator/Associate shall be required to furnish an on demand bank guarantee at the time of placement of order as per PQ requirement FORMAT:						
SL. NO.	Name of the Project	Brief Scope of the work	Order Ref. No. & Date	Date of Completion as per P.O.	Performance Certificate Enclosed (Y/N)	Remarks

B. Pre-Qualification Requirement: (Financial)

1	Vendors should have a minimum average annual turnover of Rs. 160 crores during last 3 financial years (FY 2013-14 & 2014-15, 2015-16) ending 31st March 2016, and should submit Annual reports (Audited balance sheets, Profit & Loss Accounts), Banker's Solvency certificate of these three years.
2	Other income shall not be considered for arriving at Turn over/Sales
3	Financial pre-qualification of the foreign bidder (other than Indian bidders) may also be evaluated on the basis of the report from a reputed third party business rating agency like Dun & Bradstreet, Credit reform etc. The foreign bidder is to submit the report from reputed third party. The evaluation of foreign bidder, exchange rate (TT selling rate of SBI) as on scheduled date of the tender opening (Part-1 bid in case of two part bid) shall be considered. All Foreign language documents shall be translated to English language either by a certified agency or translated verification by a VALID authorized agency. Credit rating certificate also shall be furnished for financial credibility of the organization.

IMPORTANT NOTES TO THE BIDDER:

1. Bidder to note that the acceptance of the offer is subjected to the “Bidder approval from our customer, NTPC” and BHEL reserves the right to reject offer of any bidder based on their poor/non-performance in past/present projects/orders.
2. Bidder has to submit credentials/details to comply with aforesaid criteria properly indexed along with offer required by the customer (NTPC) for seeking approval of customer. In case NTPC does not approve credentials of the bidder, the bidder will be technically rejected.
3. Bidder shall have adequate field service organization to provide necessary supervision of field erection and management services required to successfully erect, test and commission the equipment/system as required by the bidding documents.
4. Bidder shall submit the point wise confirmation to the PQR clauses, properly indexed along with the offer.
5. BHEL reserves the right to:
 - a) Accept or reject any bid received at its discretion without assigning any reasons whatsoever.
 - b) Postpone the scheduled date without any reason whatsoever.
 - c) May ask for further qualification during techno commercial scrutiny of bids received and bidder will comply.
6. Canvassing i.e. soliciting favour, seeking advantage etc. in any form is strictly prohibited and any bidder found to have engaged in canvassing shall be liable to have his bid rejected summarily.
7. If the bidder deliberately gives any wrong information in his tender to create circumstances for the acceptance to his bid, BHEL reserves the right to reject such application.
8. If any bidder is black listed or put on hold by any of the BHEL units, such bidder will not be eligible for this tender and their bids shall not be accepted.