



BHEL- ISG - BANGALORE
PRE- QUALIFICATION REQUIREMENT FOR BIDDERS (Rev.00)

Tender/ Enquiry ref: 77/21/6103/LSY dated 06-01-2022
Item/ Work Description: Ash Handling Plant (AHP) Package
Project: 5X800MW Yadadri TPS, Nalgonda Dist, Telangana State

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01.00.00 TECHNICAL CRITERIA:

The bid is open for participation to those bidders who satisfy the following Technical requirements:-

01.01.01 The bidder should have executed at least one (1) number Ash Handling Plant (AHP) preferably in India for a thermal power station of capacity not less than 500 MW using coal similar to Indian coal and should have executed at least one (1) similar ash handling plant using sea water /plain water , during last 10 years involving design, engineering, manufacture / procurement, supply, erection & commissioning (or supervision of erection & commissioning) comprising the following systems which should be in successful operation for at least (1) year as on date of submission of the bid.

- a. Bottom ash handling system comprising jet pump system in conjunction with water impounded bottom ash hopper designed for minimum **56 TPH** (on dry ash basis) capacity or more for pulverized coal fired boilers.

AND

- b. First stage fly ash handling system for conveying fly ash from ESP hoppers to Intermediate Surge Hopper (ISH) by vacuum conveying system designed for minimum **35 TPH** capacity (dry ash basis) per stream.

AND

- c. Second stage fly ash handling system for conveying fly ash from Intermediate Surge Hopper (ISH) to Fly ash silos by pressure conveying system designed for minimum **71 TPH** capacity (dry ash basis) per line for a distance not less than 500 mtrs.

AND

- d. High Concentration Ash Slurry Disposal (HCSD) System for minimum **106 TPH** capacity (dry ash basis) per line.

The above Clauses 01.01.01 (a), (b), (c) and (d) can be in one single plant or in a combination of plants.

01.01.02 Bidder who is a supplier of ash handling systems but does not meet the requirements under clause 1.01.01 (a), (b), (c) and (d) in full can also participate provided he has executed at least the following systems of ash handling plant involving design, engineering, manufacture, supply, erection & commissioning (or supervision of erection & commissioning):

- a. Bottom Ash Handling System comprising 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 with a combination of vacuum conveying and pressure conveying system with provision of both wet and dry handling.
c. Ash Slurry Handling System.

The systems mentioned at 01.01.02 (a), (b) and (c) above should be in successful operation in at least two (2) plants for at least two (2) years during the last 10 years as on date of submission of bid and should have been installed for pulverized coal fired boiler units in India generating not less than 180 TPH of Ash per boiler.

AND

Collaborate(s)/Associate(s) with party (ies) who meet(s) either the total requirement or the balance part under 01.01.01 (a), (b) and (c) above which the bidder himself is not able to meet.



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In such a case, the Bidder shall be required to furnish consortium agreement jointly executed by the Bidder and the collaborator(s) / Associate(s) and each executant, shall be jointly and severally liable to employer for successful performance of the relevant system, as per the format (Annexure- A) enclosed along with bid. The collaboration agreement should be submitted along with the bid. 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 follows:

- i. INR 2 Million (Rupees Two Million) for Collaborator/ Associate for Jet pumping system
- ii. INR 5 Million (Rupees Five Million) for Collaborator/ Associate for Vacuum conveying system
- iii. INR 5 Million (Rupees Five Millions) for Collaborator/ Associate for Pressure Transportation system

AND

Collaborate(s)/Associate(s) with party who meets the requirement under 01.01.01 (d) above which the bidder himself is not able to meet.

In such a case, the Bidder shall be required to furnish Agreement of Support jointly executed by the Bidder and the collaborator / Associate for successful performance of the HCSD system as per the format (Annexure-B) enclosed along with bid. The Agreement of Support should be submitted along with the bid.

In case bidder collaborates / associates for more than one system with a party, then the Collaborators / 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.

01.01.03 The activity of design and engineering under 01.01.01 (a), (b), (c) and (d) should have been carried out by the bidder and not through any external design agency/agencies.

For design and engineering activity referred under paras 01.01.02 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 01.01.01 (a), (b), (c) and (d) the activity of design and engineering for the reference systems should have been carried out by them.

Bidders qualifying under Sl No. 01.01.02 and collaborating/associating with party(s) meeting total/balance part of 01.01.01 (a), (b), (c) and (d) shall follow the following for supply and manufacturing of equipment. Bidder shall manufacture from their manufacturing setup based on collaborator(s)/associate(s) drawing for the clause which bidder himself is not meeting the requirement but the collaborator(s)/associate(s) is meeting the requirement, then the collaborator(s)/associate(s) shall approve bidder's manufacturing facilities and manufacturing quality standards. Also after the manufacture of the items, the product shall be inspected by the respective collaborator(s)/associate(s) and furnish certificate of conformance (COC) for the product.

Also, BHEL/Customer shall approve manufacturing facilities of the equipment of the vendor's self-manufacturing items incase the items are being manufactured by bidder as per collaborator(s)/associate(s) design and manufacturing drawing.

Bidder shall submit the following documents along with bid for pre-qualification requirement. Non-submission of below mentioned documents along with bid is liable for rejection. Hence all bidder(s) shall adhere to submission of following documents for meeting Pre-qualification requirement.

- a. List of experience for the system described above.
- b. Manufacturing facilities, equipment, manpower details duly signed by bidder shall be furnished.
- c. Bidder shall provide documentary evidence in support of his claim for having experience in design, manufacture, testing and supply, E&C, performance of AHP meeting the requirements mentioned in sl. Nos. 01.01.01 or 01.01.02 for Ash Handling Plants which are in operation as on date of submission of the bid. Following documentary evidence (as given below) for supply of items as mentioned in clause no. 01.01.01 or 01.01.02 shall be submitted along with bid:



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- d. Letter of Award (Purchase order copies).
- e. End customer's address and contact details (ph.no, emails) to be furnished.
- f. Performance Certificate from Customer.
- g. If the bidder is a foreign party, he shall make a collaboration/ consortium agreement with an Indian agency for erection and commissioning at site. Such bidders shall submit collaboration/ consortium agreement as per enclosed Annexure-A enclosed.

FORMAT to be filled by Bidder(s):

Sl. No	Name of the Project	Brief Scope of the work	Order Ref. No & Date	Date of Completion As per P.O.	Remarks

B. Pre-Qualification Requirement: (Financial)

1. Average annual financial turnover during the three consecutive Financial Years (FYs) from immediate four previous FYs (Example: FY to be considered shall be 2017-18, 2018-19 & 2019-20 OR 2018-19 & 2019-20 & 2020-21) should not be less than Rs. 100 crores (Rupees One Hundred Crores Only).
2. Bidder shall have a positive NET WORTH as per the latest audited financial year.
3. Bidder should submit financial accounts (audited, if applicable comprising of Audit report, Balance Sheet, Profit & Loss A/c Statement for FY 2017-18, 2018-19 & 2019-20 OR 2018-2019, 2019-2020 & 2020-2021. If financial statements are not required to be audited statutorily, then instead of audited financial statements, financial statements are required to be certified by registered Chartered Accountant/Statutory Auditor for Companies.
4. Other Income shall not be considered for arriving at Annual Turnover/Sales.
5. 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. All Foreign language documents shall be translated to English language either by a certified agency or translated verification by an authorized agency. Credit rating certificate also shall be furnished for financial credibility of the organization.
6. For PQ 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.

A. Important Notes:

1. The word "executed" means bidder should have achieved the criteria specified in the above QR even if the total contract is not completed/closed.
2. BHEL will provide format for Bank guarantee to the successful bidder.
3. Bidder has to submit all credentials/ details, required by the customer for seeking approval of customer. In case customer does not approve the credentials of the bidder, the bidder's offer will be rejected.
4. **Bidder shall submit the point wise confirmation to the PQR clauses, properly indexed along with the offer.**
5. For foreign bidder(s), there shall be an authorized representative in India on behalf of the System supplier for single point communication with BHEL for submission of bid/attending bid queries/ bid clarifications, follow up, submission of engineering information in time, dispatches for smooth execution of contract.



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6. BHEL 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 the Employer.
7. Canvassing i.e. soliciting favor, 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.
8. BHEL reserves the right to:
 - 8.1 Accept or reject any bid received at its discretion without assigning any reasons whatsoever.
 - 8.2 May ask for further qualification during techno commercial scrutiny of bids received and bidder will comply.
 - 8.3 Evaluation of bidder at their works.
9. After technical evaluation of the bidder's offer, the bidder shall be subjected to approval by Customer / Customer's consultant. The bidder who is not approved by customer/ customer's consultant will not be considered and their sealed bid price shall not be opened.
10. In respect to PQR qualification, Bidder is required to note and consider latest notifications/Orders issued by Govt. of India on or before due date of bid submission subjected to approval by BHEL.