



PRE - QUALIFYING REQUIREMENTS

DOCUMENT NO: PE-TS-999-000-M051

REVISION NO: 00 DATE: 28.08.2017

SHEET: 1 of 3

Design, Supply, Installation & Hydro-testing of GLASS FIBRE REINFORCED PLASTIC (GRP) Piping systems

1. The term bidder to be read as bidder or bidder's partner (as defined in Point No. 5 below). The Bidder should have facility to manufacture GRP Pipes & couplings of minimum 1800 NB by the Filament winding process (Continuous Filament Winding process using advancing mandrel method or Helical Filament Winding process) with full automation".
2. The Bidder should have designed, manufactured, engineered, installed and commissioned at least two below ground (buried) GRP piping system (one with piping of minimum 1200NB and other with piping of minimum 600NB) in last 10years (from date of enquiry) with minimum 1Km stretch at each location.

The piping supplied and installed at both locations, as stated above, must have been in satisfactory operation for minimum two years after commissioning of the system. The bidder shall submit customer (End user) certificates for these installations in respect of satisfactory operation of the product from minimum 2(two) years after commissioning. Bidder shall provide related Purchase orders (POs) and completion certificates from respective purchasers.

In case the bidder does not have customer (End user) certificates for piping system with minimum 1200NB size, execution of one repeat contract i.e. two purchase orders for same End-user with a gap of minimum two years between execution of 1st PO and placement of 2nd PO shall be acceptable. Bidder shall provide related Purchase orders and documents in support of execution of purchase orders from respective purchasers.

In case of joint bidding, customer (End user) certificates/repeat contract documents of respective scope of work to be provided to ensure that the requirement of above paragraph is comprehensively met.

3. For Business Continuity, bidder shall submit minimum two purchase order copies for similar scope of work (covering supply and E&C, individually or together) with GRP pipe of 600NB or above for minimum 500 meters, in the last three years from the date of enquiry.
4. In addition to the above, bidder should have manufactured & supplied GRP pipe of minimum 1800NB size. Bidder shall submit supporting document i.e. copy of Purchase order, approved GA drawing, supply proof such as MRC/MDCC/LR copy etc. Bidder should have in-house testing facilities for carrying out tests as per relevant standards & Quality plan. In case, the

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SHEET: 2 of 3

in-house testing facilities are not available, then bidder shall furnish undertaking that test(s) will be carried out from govt. approved lab or test house recognized by reputed customers.

Incase Bidder has not manufactured piping of 1800NB or above size, Bidder will be required to manufacture one pipe spool (of minimum 2M length) of 1800NB for minimum PN9, SN5000 and hydro-test the same at twice the pressure rating before price bid opening and in no case beyond four weeks from the date of enquiry at his own cost. Bidders to note that the above activities will be witnessed by BHEL or BHEL authorized representative at vendor's works. For foreign bidders, this inspection shall be carried out by third party inspection of TUV/ Lloyd at bidder's cost.

5. Offers of single bidder/the JV companies/ Joint Bidders/ bidders having collaboration/ licensing agreement/ MOU/ Indian subsidiaries, hereafter referred as bidder, shall be evaluated as follows:

- a. If bidder happens to be the single bidder, then only his credentials shall be considered for meeting PQR.
- b. If bidder happens to be Indian subsidiaries of foreign OEM, then the credentials of the foreign OEM can also be considered for meeting PQR.
- c. If bidder happens to be the Joint Venture Company, then the credentials of any of JV partners can be also considered for meeting PQR.
- d. If bidder happens to bid jointly with their partner, then credentials of both the bidder & partner will be considered for meeting PQR as per distribution of the work. In all such cases, the bidder shall be responsible for overall execution of the contract and all guarantee/ warranty.
- e. If bidder happens to be the having valid collaboration agreement/ MOU/ licensing agreement with some other company, then the credentials of collaborator/ MOU partner/ licensing company can also be considered for meeting PQR.

Note: If bidder(s) qualifies on the basis of credentials of his principal/ JV partner/ Collaborator/ joint bidder etc., then the principal/ JV partner/ Collaborator/ MOU partner/ joint bidder shall be responsible for overall design vetting and warranty/ guarantee of the package. The scope matrix clearly defining their respective roles including design vetting, manufacturing of critical component, Installation & Hydro-testing and warranty/ guarantee shall be submitted along with the offer.

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SHEET: 3 of 3

Bidder to provide authorization letter from bid partner along with scope matrix in case of joint bidding.

6. Bidder to note that the arrangement of execution (single bidder / the JV companies/ Joint Bidders / bidders having collaboration/ licensing agreement/ MOU/ Indian subsidiaries) once offered to BHEL as a part of bidding documents cannot be changed till the completion of the contract.
7. Consideration of offer shall be subject to customer's approval of bidders, if applicable.
8. Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.
9. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder/collaborators to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
10. After satisfactory fulfillment 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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