

**BHEL PEM – MECHANICAL PIPING LAYOUT
PRE – QUALIFYING REQUIREMENTS FOR SUBMITTING TECHNICAL OFFER FOR
SUPPLY OF GRP PIPING FOR NORTH CHENNAI 600MW PROJECT AGAINST THE
GLOBAL ENQUIRY**

Package: GRP PIPING

1. The bidder should have facility to manufacture GRP Pipes & couplings of 2800NB by the "Filament Winding Continuously Advancing Mandrel Process" or "Continuous filament winding process with full automation".
2. The bidder should have designed, manufactured, tested, inspected & supplied minimum 1400NB diameter GRP Pipes & couplings and shall meet the general PQR requirement.
3. The bidder should have valid long term test reports of HDB and SCT duly vetted by any statutory authority.
4. The bidder should have in-house facilities for carrying out all tests as per BHEL QP requirement, which is enclosed with the technical specification. In case the bidder does not have the above testing facilities, he shall have a permanent tie up for the testing with any Govt. approved lab or Test House or third party inspection of TUV/Llyod.
5. The bidder shall have well established quality systems in the company and shall be able to demonstrate the implementation of same.
6. Product specific requirements are separately defined in Technical specification and bidder will have to meet these to be considered eligible technically.
7. The bidders (who are not registered vendors of BHEL-PEM for the package for 2800NB size) will be required to manufacture one pipe spool (of minimum 2M length) of 2800NB with OD & Thickness mentioned in DATA SHEET-A and hydro test the same at twice the pressure rating i.e. at 12Kg/cm2(g) before price bid opening within 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 his shop. For foreign bidders, this inspection shall be carried out by third party inspection of TUV/Llyod at bidder's cost.
8. The bidders (who are not registered vendors of BHEL-PEM for this package) shall furnish the following documents (in addition to those mentioned in general PQR) for assessing Bidder's qualification.
 - a. Manufacturing Machinery list and Testing facilities at Bidder's Works
 - b. The following documents with respect to 2Nos of projects being claimed to meet the general PQR requirement.
 - i. Satisfactory Performance feedback certificates (indicating salient features like year of commissioning of piping, size, design parameters, project name etc. and date of issue of certificate) from end customer
 - ii. Copies of Un-priced Purchase orders and approved drawings & technical data sheets