

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
(भारत सरकार का उपक्रम)



Bharat Heavy Electricals Limited

(A Govt. of India Undertaking)
Power Sector - Southern Region
New No.690 (Old No.474), Anna Salai,
Nandanam, Chennai-600 035.
Phone : 2433 0015 (10 Lines)
Grams : BHELPOWER

BHEL PSSR SCT 1389

07.05.2010

CLARIFICATION TO SCT 1389

SUB: SCT 1389 Tender for Erection, Testing and Commissioning of Steam Turbine, Generator and auxiliaries, Part of CW piping, CW pumps and other BOI Including Supply and Application of Final Painting for Unit 1&2 – 2x600 MW set at North Chennai TPS, Athipattu, Chennai, TamilNadu

Some of the bidders raised clarifications in the above tender and our clarifications are furnished below for your reference

Q1: On going through the document, we understand that Condenser tubes will be supplied as bought out items, and same has to be inserted, expanded, flaring and bell mouth to be done. Kindly specify the tube material and thickness. Also is welding of tubes envisaged? If so, is an /orbital welding machine required for the same? Approximately how many tubes will be there?

Reply: PI refer page no. 71 of tender specn. sl. no. 3 HEAT EXCHANGERS, in which the Condenser tube material and Qty are mentioned.

To be specific, the requested details are given below.

a) Tube material: Condenser zone, Air cooling zone & Top 2 Rows - Titanium (SB-338, Gr.-II)

b) No. of Cooling Tubes: Total = 2x17455 nos.

: Condenser zone = 2x16235 nos.

: Air cooling zone = 2x1220 nos.

c) Size of cooling tubes: Dia. 31.75 x 0.7112 mm and for top 2 rows alone Dia. 31.75 x 0.889 mm

d) Tube with Tube plate is to be expanded and no welding is involved.

Q2: With reference to the section VII-Appendix VI in page 111 item 5.3.1., Remarks column says that specific instructions to be given in the drawing for sea water application. We request you to clarify us supply and application of FRP for condenser water boxes (inside) is applicable or not for the subject work .Please confirm

Reply: The condenser is to be painted at site as follows:

External surface to be painted with 2 coats of polyurethane finish paints. Total DFT (final)-180microns and the interior surfaces of water box, water chamber with 3mm thick glass fibre reinforced epoxy lining.

Kindly note that all other terms & Conditions of the Tender and the due date of submission of tender 13.05.2010 remain same.

Additional General Manager/Contracts