

PQR- Non Ferrous (NF) Copper Crimped Finned Tubes for Oil Coolers

PI-241191826

Pre-Qualification Criteria

For the Supply of Non Ferrous (SB-111 C-44300) Crimped Finned Tubes for Oil Coolers

The bidder shall produce documentary evidence for meeting the following Pre-Qualification Criteria along with their offer.

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S. No.	Criteria	Documents required to be submitted/ confirmation in support of claim	Documents submitted
1.	Indigenous Crimped Finned Tube Manufacturers are only allowed to participate in the tender.	Company catalogue in support of their claim of being an Original Crimped Finned tube manufacturer.	Yes/No
2.	Vendor should have In-house & established facility to manufacture finished Non Ferrous Crimped Finned Tubes up-to 5 mtr length with weekly capacity of 600 nos.	a. Confirmation required having the manufacturing facilities for a length of 5 mtr (min). with weekly capacity of 600 nos. of tubes (min.) b. Online Heating apparatus to be applied for proper adhesion of Solder wire with base tube. Heating by any sort of manual operation (flaming method) is not allowed. This is to ensure uniform heating and to avoid damage / discoloration of fins due to excessive heating. Confirmation required for the same. c. Finning procedure requires to be submitted along with the bid document. d. Documentary evidence of having calibrated measuring instruments and hydro testing facilities (at a pressure of 20 kg/sq.cm min. for 20 sec for each tube).	a. Yes/No b. Yes/No c. Yes/No d. Yes/No
3.	Only those vendors who have successfully supplied similar Non Ferrous (NF) Crimped Finned tubes with same MOC (i.e. Material of Construction) for at-least 02 different projects during last 10 years.	a. List of un-priced PO (showing date of PO, date of supply, material of construction, name of customer, name of inspection agency, size etc. as available). b. Co-related material test certificate & final inspection report (duily endorsed by the inspection agency) is also required to be submitted.	a. Yes/No b. Yes/No

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S. No.	Criteria (For Indian Vendor Only)	Documents required to be submitted in support of claim	Documents submitted
4.	Proven HTC (Heat Transfer Curve) and Pressure Drop curve of similar /Cu-Ni Non Ferrous Crimped Finned Tubes (same tube OD, fin geometry, tube pitch, type) supplied till date on prototype cooler (with in-house manufactured tubes) testing done at reputed institute (e.g. IIT / NIT / Government Approved Lab).	a) Submission of co-related Outside HTC and Pressure Drop curve (duly signed and stamped by the testing agency) showing size of tube with MOC, other dimensional details of tubes (e.g. Base Tube Size – OD x TK, Fin OD, Fin TK, Fins per Meter, tube pitch). b) Pitch details of proto type test cooler (Tube Pitch = 54mm, Row Pitch = 47mm). c) Name of institute of / Lab where this test had been carried out.	a. Yes/No b. Yes / No c. _____

Important Instructions for the Bidders:

1. After satisfactory fulfillment of all the above criteria / requirement, offer shall be considered for further evaluation as per NIT and all other terms of the tender.
2. BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect the offer shall be rejected.
3. Instruments for chemical and mechanical testing, HT Furnace of casting Vendor, Portable Chemical tester, etc. are required to be with valid calibration record (calibration done by NABL approved agency only). Spectrometer duly calibrated using master calibration block in presence of BHEL-1A is also acceptable for chemical testing.
4. NDT (if any) to be performed by ISNT / ASNT Level-II person only.
5. Inspection agency of BHEL / Customer shall be given access at any stage during manufacturing & testing of above subject items.
6. All documentary evidence shall require to be duly signed and stamped by authorized signatory.

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