

**CLARIFICATION NO.1**  
**Tender No.PROC/LF/PT/P&P-18628/21**  
**Description: REPLACEMENT OF TUBE BUNDLES**

**Question.** Our understanding is that only new tubes are required for replacement. Remaining all material i.e tube sheets, baffles, tie rods, spacers etc. will be re-used (existing). Please confirm?

OGDCL Reply: All internals i.e Baffle plates, Tie Rods, Impingement plate, spacers etc. will be replaced with new material.

**Question.** Our understanding is that dismantling of existing heat exchangers from foundations and erection/installation of heat exchangers after re-tubing is in OGDCL scope. Please confirm?

OGDCL Reply: Correct.

**Question.** Registration from NBR is required after re-tubing or not?

OGDCL Reply: Not Required.

**Question.** Our understanding is that Stud bolts and Gaskets for hydro testing will be provided by OGDCL. Please confirm?

OGDCL Reply: Stud bolts are available with Exchangers; any missing will be provided by contractor however gaskets for Hydro testing will be arranged by contractor.

**Question.** Our understanding is that only surface preparation and painting are required on external sides of heat exchangers. Stenciling etc. are not required. Please confirm?

OGDCL Reply: Correct.

**Question.** Our understanding is that only hydro testing is required for leak testing. Helium leak testing is not required. Please confirm?

OGDCL Reply: Both Hydro testing and Helium Leak testing will be required.

**Question.** Our understanding is that tube to tube joint is rolled and expanded only. Welding is not required. Please confirm?

OGDCL Reply: Tube to tube sheet joint will be roll/expanded.

**Question.** For Optional price of 04 Nos of tube sheets. Order will be firm for all 04 tube sheets or OGDCL can split the quantity of tube sheets?

OGDCL Reply: Depends upon the condition of tube sheet. Contractor should provide unit rate for tube sheet.