



KPD-TAY COMPRESSION PROJECT

Tender Enquiry No.: PROC/FC/PROJ/KPD-TAY/COMP/5313/2022

PRE-BID CLARIFICATION # 40



One of the bidder has asked following queries, OGDCL/ENAR's response is as follows:

Sr. No.	Tender Documents Reference	Bidder's Query	OGDCL/ENAR's Response
1	SPECIFICATION FOR SHELL AND TUBE HEAT EXCHANGER Section 6.1 and DATASHEET FOR K & T TRIM COOLERS (E-4101 & E-5101)	As per "Specification for Shell and Tube Heat Exchangers" section 6.1, it is specified that square pitch shall be used where the fouling factor exceed from 0.0002m ² °C/W. However in Tender datasheet for K&T Trim Coolers "0250-DS-1701-1 (DS for K and T Trim Coolers)", fouling factor is listed as 0.000352 m ² °C/W (0.002 ft ² -h-F/BTU) and triangular pitch design requirement is specified for both coolers. Bidder understands to follow datasheet requirement for triangular pitch and square pitch requirement specified should be ignored, please confirm.	confirmed.
2	SPECIFICATION FOR SHELL AND TUBE HEAT EXCHANGER Section 6.1 and DATASHEET FOR K & T TRIM COOLERS (E-4101 & E-5101)	As per "Specification for Shell and Tube Heat Exchangers" section 6.1, it is specified that "U" tube is recommended for clean service with fouling factor of 0.0002 m ² °C/W or less. However in Tender datasheet for K&T Trim Coolers "0250-DS-1701-1 (DS for K and T Trim Coolers)", fouling resistance is specified as 0.000352 m ² °C/W (0.002 ft ² -h-F/BTU) and "U" tube is selected for both coolers. Bidder understands that "U" tube is acceptable for clean service with fouling resistance upto 0.000352 m ² °C/W (0.002 ft ² -h-F/BTU) and specification for Shell and Tube Heat Exchangers should be updated accordingly.	Bidder's understanding is correct.
3	SPECIFICATION FOR SHELL AND TUBE HEAT EXCHANGER Section 6.1 and DATASHEET FOR K & T TRIM COOLERS (E-4101 & E-5101)	As per "Specification for Shell and Tube Heat Exchangers" section 6.1, it is specified that Design margin of 20% shall be taken into account for flow. However in Tender datasheet for K&T Trim Coolers "0250-DS-1701-1 (DS for K and T Trim Coolers)", design margin is specified as 10% on area for both coolers under Remarks-2. Bidder understands that design margin of 10% on area for both coolers is required and specification for Shell and Tube Heat Exchangers should be updated accordingly.	Bidder's understanding is correct.