<u>CLARIFICATION AGAINST TENDER NO.PROC/LF/PT/P&P/17606/19 – TUBE BUNDLE FOR HEAT EXCHANGER.</u>

Question No.1 Height where the heat exchanger is installed at site to calculate the requirements of

scaffolding.

OGDCL Reply: Height from FGL to bottom of Shell is 15.5 ft.

Question No.2 Test ring / channel head shall be provided to contractor at his premises for hydro testing of

tube bundle at shop. Please confirm our understanding.

OGDCL Reply: Test ring / channel head will not be provided, it will be tested at KPD-TAY site.

Question No.3 Hydro testing of complete heat exchanger at site is to be done by contractor, or only tube

bundle has to be hydro tested at site?

OGDCL Reply: It is already elaborated in the TOR (Contractor responsibilities), furthermore it is also

mentioned that "Hydro testing shall be carried out as per standard procedure at shell pressure" which demonstrate that Testing of Complete Heat Exchanger is to be done by

contractor.

Question No.4 Is it mandatory to extract the tube bundle by using a bundle extractor or it may be removed

by mechanical means i.e. using chain blocks, cranes lifters etc.?

OGDCL Reply: Both Options are possible. Contractor would be responsible to extract the old bundle and

insert the new one using his own resources except the resources which are mentioned in

the TOR will be provided by OGDCL.