

**DESIGN, MANUFACTURING, SUPPLY, INSTALLATION SUPERVISION, COMMISSIONING, STARTUP & PERFORMANCE TESTING OF NEW CENTRIFUGAL COMPRESSORS AND MODIFICATIONS OF EXISTING TURBO COMPRESSORS TRAINS**



**Tender No. PROC-FC/CB/PROJ/QADIRPUR-4261/2019**

**PRE-BID CLARIFICATION No. OGDCL-QP-4261-009**

Sr. No.	Reference	Bidder Query	OGDCL Response (04-04-2019)
AA	Clause 3.1.3. of Scope of Work.	It is bidder's understanding that in order to ensure proper operation of the package that the lube oil pumps and cooler are properly sized to accommodate for quantity / heat load change following compressor replacement / change in compressor operating parameters. Therefore, all bidders must include oil system checks and necessary supplies and modifications in their base scope. Please confirm that all oil system modifications shall be supplied and executed by Turbine OEM as it is an integral part of the OEM turbine driver sub-systems.	Please note that all existing lube oil system details i.e. Flow Scheme including pressure and flow at Battery Limit of existing Compressors have been provided with the tender. Compressor Manufacturer shall design the Compressors considering these requirements as maximum available lube oil conditions. In addition Bidder must perform adequacy check in case of any parameter vary from existing design and supply the required hardware to overcome the inadequacy as per Scope of Work of the tender.
BB	-	It is bidder's understanding that to ensure safe and reliable operation of the unit, that the compressor performance maps and anti-surge lines on the HMI are updated to reflect the conditions of the new compressors. Please confirm that this will be communicated to all bidders to include in their base scope.	As per tender requirement for incorporation of changed parameter of Compressors, it is mandatory that Bidder must consider the services of Turbine OEM (M/s SOLAR). SOLAR Contact person details have already been shared in earlier clarifications to obtain quotation and Solar Confirmation to perform the job for the Bidder.
CC	-	To ensure smooth operation and facilitate troubleshooting of the equipment, the bidders should furnish an updated & tested Software during project execution. Software test must be done by turbine OEM at OEM facilities prior to installation of the equipment at site to ensure system integrity.	Since all Compressor inputs must be incorporated in Turbine UCP, accordingly software modification for compressors change parameters shall be performed through Turbine OEM (M/s SOLAR). This requirement already mentioned in tender. Any simulated based shop software testing is not envisaged as only Compressors inputs will be inserted in the programming by Field Representative of SOLAR whom services will be acquired by the Bidder. However, if Bidder understand that such testing is necessary to smooth performance of the Commissioning activates he must inquire Turbine OEM for the same services.