UCH COMPRESSION PROJECT

Design Engineering, Procurement (Supply), Construction, Installation/Erection, Pre-Commissioning, Commissioning & Start-up (including performance testing and Reliability Guarantee Test) of Compression System at UCH Compression Project

Tender Enquiry No. PROC-FC/CB/PROJ/UCH(COM)-4462/2019

PRE-BID CLARIFICATION-14

Sr.No.	Reference of ITB Document No.	Query	Response	Further Query	Further Response
1	0221-DS-1705-0	In 0221-DS-1705-0（Coolling Water System） page 3 : Fills Material is HDGS (S235JR). However Contractor proposed PVC for fills material. Please confirm whether the fills material could be PVC.	Not acceptable. Bidder to adhere with the requirements as stipulated in tender document.	In 0221-DS-1705-0（Coolling Water System） page 3: Fills Material is HDGS (S235JR),Bidder think PVC is better than HDGS. below several reasons for your consideration: 1, PVC material is lighter and has better heat resistance and chemical corrosion resistance; 2, PVC material is easier to install; 3, PVC material has small ventilation resistance,better flow distribution,better cooling effect; 4, Actually, Bidder have not found the available vendor in the required AVL to provide HDGS fill material for cooling water system. Bidder kindly call for client that PVC could be used as the fill material.If possible, AVL extending is advised to meet client's requirement.	Not acceptable. Bidder to adhere with the requirements as stipulated in tender document.
2	0221-DS-1701	Additional run at 250 PSIG is specified, what is the gas composition and target discharge pressure for this run?	Composition of Case-03 is to be considered for additional case, however, the discharge pressure would be the same i.e. 865 Psig.	Please advise flowrate at this working condition, please note that too low flowrate may exceed compressor anti-surge line and too high flowrate may unreasonablly oversize gas turbine. Please advise when will this such low inlet pressure condition occur.	It is to note that for additional case i.e, 250 Psig suction pressure, EPCC to suggest the flowrate for additional case considering selected machine.

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3	0221-GS-9510-3 (Spec for Centrifugal Compressors)	Performance tests will be carried out at **SHOP** as per API 617 and ASME PTC 10 Type II. Tests carried out at **SITE** will follow requirements of *0221-GS-9510-3 (Spec for Centrifugal Compressors)_9.4 FUNCTIONAL TESTS/ RELIABILITY RUN/ONSITE PERFORMANCE TEST* and *SEC - III _Scope of Work_12.4.4 Commissioning and Performance Testing,* please confirm.	Bidder to adhere all the requirements as stipulated in referred documents and any other documents of tender (as applicable).	We would like to further specify compressor performance test: Performance tests as required by clause 9.3.2.9 will be conducted at SHOP using air as per API 617 and ASME PTC 10 Type II. Performance tests as requried by clause 9.4 will be conducted at SITE using process gas for a number of operating points. Please kindly confirm.	Shop tests for centrifugal compressors shall be carried out as per Sec.9.3.2 and Site tests shall be carried out as per Sec.9.4. Furthermore, bidder to adhere all the requirements of FAT/SAT mentioned elsewherer in the tender document.
4	0221-GS-9510-3 (Spec for Centrifugal Compressors)	Please kindly confirm if package assembly(compressor and gas turbine) shop test is requried, or can compressor and gas turbine only be tested separately in their respective factory.			Compressor and gas turbine shall be tested separately in their respective factory in the light of mentioned requirements in tender document.

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5	SEC-III_scope of work section 5.14	Instrument and I/O related to Methanol Injection shall be interfaced with dedicated wellhead control/SCADA system. 1,The total numbers of Methanol Injection skids required are eight(8),please provide the respective wellhead control system brand and model. 2, Please confirm that the wellhead control system have enough space and spare I/O channel for new I/O points.			Bidder should collect the relevent information during Pre-bid Site Visit and further clarify during Pre-bid meeting.
6	0221-DS-1705-1	In 0221-DS-1705-0（Coolling Water System） Page 4: Cooling Water Circuit Specification,the value of TSS is Max.1500mg/L. Page 6: Inlet water quality of self cleaning filter,the value of TSS is 500ppm. Please let bidder know which parameter is the base for calculation?			Bidder to consider 1500 mg/L for base calculation.
7	SEC - III Scope of Work SEC - II (INSTRUCTIONS TO BIDDERS)	As a bidder, In the technical proposal which we are going to submit ,if we could present multiple OEMs for one kind equipment ? However, we will give only one single quotation no matter how many OEMs will be presented.			Bidder has to select the vendor from approved vendor list (AVL) as already given and accordingly submit technical documents/quote from one of the selected vendor from AVL. Moreover, please refer **SEC-II, Instructions To Bidders, Clause 1.5 (j)**