

**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-4261-002**



Sr. No.	Bidder Query	OGDCL Response (14-03-2019)
AA	It is understood from Tender Document Annexure IX 'Bid Price Schedule' that Bidder is to offer Unit Price and Total Price of Supply Items "A" , "B", "C" & "D" on FOB Port of Shipment and CFR Karachi Basis. Tender Conditions of Contract Clause No. 10.0 states that Marine Insurance is OGDCL responsibility from Port of Loading to Karachi and onward to OGDCL Stores / Plant Site. Thus, from the above it is understood that:	Bidder Understanding is correct. However all taxes on the income or payments to the Bidder Company/ Manufacturer arising, accruing or resulting under the contract, whether present or future, assessed or payable inside or outside Pakistan shall be the exclusive responsibility of the Bidder . Taxes on services or goods which shall be applicable has been detailed in section-IV (condition of contract) at clause # 30 (Taxes).
i	To clear goods from Pakistan customs is the responsibility of OGDCL.	Bidder Understanding is correct. However, provision of in time clean original shipping documents shall be sole responsibility of the bidder. Any demurrage paid by OGDCL due to late receipt or discrepant shipping documents shall be recoverable from the bidder.
ii	Custom clearance and any Duties, Taxes, charges levied by Pakistan Customs on supplied goods is OGDCL responsibility.	Bidder Understanding is correct. However, provision of in time clean original shipping documents shall be sole responsibility of the bidder. Any demurrage paid by OGDCL due to late receipt or discrepant shipping documents shall be recoverable from the bidder. Further, any additional duty paid by OGDCL on short shipped items shall be recoverable from the bidder
iii	Bidder to include in its price any duties, taxes, levies applicable on goods in country of origin/exporting country.	Bidder Understanding is correct. However all taxes on the income or payments to the Bidder Company/ Manufacturer arising, accruing or resulting under the contract, whether present or future, assessed or payable inside or outside Pakistan shall be the exclusive responsibility of the Bidder . Taxes on services or goods which shall be applicable has been detailed in section-IV (condition of contract) at clause # 30 (Taxes).
iv	The transport of goods from Karachi Port to OGDCL Stores / Plant Site is OGDCL responsibility.	Bidder Understanding is correct.
v	The Unloading of goods at Plant site is OGDCL responsibility	Bidder Understanding is correct.
BB	Tender Document Annexure IX 'Bid Price Schedule' Serial No. 'F' and 'G' pertains to the services to be performed in Pakistan that Bidder will offer for. Serial No. 'F' pertains to Supervision of Installation, whereby the Erection and Installation of Equipment shall be carried out by OGDCL/Others, and Bidder will be responsible for Supervision Services. Please confirm	<b>Bidder Understanding is correct.</b>
CC	Tender Document Annexure IX 'Bid Price Schedule' Serial No. 'H' refers to 3rd Party Inspection Charges. Please refer to Instructions to Bidders Clause No. 3.0 'Preparation of Bid'; Sub Clause 3.2.2 and 3.2.2.1 and its Point No. IX, which states "The Third Party Inspection shall be performed before shipment of goods. Third Party Inspectors will be arranged by OGDCL, however, Supplier shall inform at least one month before when the goods are ready for inspection. The scope of the pre-shipment inspection by a third party Inspector shall generally covered the following....." <b>Accordingly it is understood that Bidder is not required to quote for 3rd Party Inspection Charges as clarified in Instruction to Bidders. Please confirm.</b>	<b>There is no item "H" in Annexure IX of issued tender.</b>  <b>Further, Bidder understanding is correct for 3rd party Inspection charges.</b>
DD i	Scope of Work Clause 2.0 'SUPPLIER'S SCOPE OF WORK'; Sub Clause 2.1 'General Requirements' and Point 2.1.2 Para No. 09 stating "To accommodate existing piping routes considering area constraints and shutdown and modifications strategy of the Turbo Compressor Trains, Supplier must consider the nozzles orientation of existing Centrifugal Compressors, inlet and intermediate stage Scrubbers and Intermediate and After stage Air Cooled Heat Exchangers. Same nozzles orientations are required for new supplied equipment i.e. Centrifugal Compressors, Scrubbers and Air Cooled Heat Exchangers. For Centrifugal Compressors Nozzles must strictly be on top of casings in vertical direction so that existing piping and support structure may be utilized during modifications works."  <b>Drawings of Air Cooler and Scrubbers required to have details of Nozzle orientations.</b>	<b>Drawings of Existing Air Coolers and scrubbers are not available. At this stage for understanding purposes piping layout of one existing train is attached. Whereas, Successful Bidder must submit the drawings of equipment for review and approval during detailed engineering phase.</b>

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ii	<p>Scope of Work Clause 2.0 'SUPPLIER'S SCOPE OF WORK'; Sub Clause 2.1 'General Requirements' and Point 2.1.12 stating "Programming modifications of Unit Control system shall be designed for load sharing scheme (master and slave concept). Initially, the Compressors will run on flow control distribution set point, however, in case of any turbo compressor failure /access flow, set point to be shifted to distribute equally total flow between remaining operating compressors fully utilizing turbine available power at respective ambient conditions."</p> <p><b>This part is not related to Compressor, rather pertains to GT Control system and not in scope of Bidder, hence it should be removed from here.</b></p>	<p>Control system modification is under the scope of Compressors' supplier, and accordingly all such requirements must be implemented through involvement of SOLAR services representative, which arrangement and cost is under the scope of the Bidder. For these services contact details of SOLAR has already been clarified and uploaded on OGDCL web.</p>
iii	<p>Scope of Work Clause 3.1 'EQUIPMENT TO BE INSTALLED ON THE MAIN SKID OF EACH UNIT'; Sub Clause 3.1.1 'Compressor Unit'; Sub Para 3.1.5 'Access Platforms' stating "Access platforms shall provide easy access to all valves, gauges, and inspection parts and to the machinery."</p> <p><b>This include on-skid platform only and not off-skid platforms for instruments, valves etc., which will be supplied by Bidder. Please confirm</b></p>	<p>Access and maintenance platforms shall be required for Compressor skid, vessels, Air Cooled Heat exchangers, which are under the scope of supply of this tender for instrumentation, PSVs, etc.</p>
iv	<p>Tender Scope of Work Clause 9.3 'SHOPS TEST'; Sub Clause 9.3.1.8 "Performance tests- are to be carried out at site.."</p> <p><b>Please clarify does this clause pertains to the test requirements at Factory or at Site?</b></p>	<p>Requirements mentioned in Clause 9.3.1.8 are related to shop test.</p>
v	<p>Tender Scope of Work Clause 9.4 'FUNCTIONAL TESTS/ RELIABILITY RUN/ONSITE PERFORMANCE TEST'</p> <p><b>For the purpose of conducting the Site Performance Test, please confirm that Bidder will be required to demonstrate the Performance by using the reading from available installed instruments / gauges as supplied with the Package. Bidder will not be required to install additional instruments / gauges / devices for the purpose of conducting Site Performance Test? Please confirm</b></p>	<p>For site performance testing site installed instrumentation shall be utilized. However, in case of utilization of any special instrumentation by the Manufacturer, it is the responsibility of Supplier to provide such instrumentation and also indicate the location and fittings (if required) to install such equipment in field piping. For incorporation in field piping Supplier must provide the details during detailed engineering phase (well before the performance testing) to OGDCL for its implementation.</p>
vi	<p>Tender Scope of Work Clause No. 9.4.4 stating "Centrifugal Compressor Train shall be operated for a minimum of 72 hours coupled with existing Turbine and gear system during function tests, performance guarantee tests which is in addition to the 360 hours duration unit reliability run being witnessed by purchaser. During this test fuel consumption Guarantee Tests shall be carried-out on each Turbo compressor unit to demonstrate compliance with the Unit Performance Guarantee. Tests shall also be done to establish each compressor map, including location of each compressor surge line. Stable compressor pressure, temperature and flow shall be established before taking test measurements."</p> <p><b>Please exclude from Bidder's responsibility Fuel Consumption Guarantee Test as this is related to Gas Turbine which is out of scope of Tender.</b></p>	<p>Fuel consumption shall be checked during the site performance test as it is an indicator of power consumption. However, in case of excess fuel consumption it shall be justified by the Supplier that it is not attributable to Compressors unnecessary loading.</p>
vii	<p>Tender Scope of Work Clause No. 8.2 'TANDEM DRY SEAL GAS SYSTEM (if required after Adequacy Check)'</p> <p><b>It is to note that the existing compressors at OGDCL Qadirpur Site are installed with MHI's own DGS Panel. Similarly there are many Compressor OEM that design, manufacture and supply its own DGS System/Panel. Therefore under this clause, the Bidder should be allowed to supply its own DGS System / Panel if after adequacy check, replacement is required. Please confirm</b></p>	<p>Bidder to adhere with the tender requirement.</p>

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viii	<p>Tender Scope of Work Clause No. 11.0 'AFTER SALES SERVICE'</p> <p>The supplied equipment is Centrifugal Compressors which do not require maintenance/overhaul very frequently, therefore the requirement of having a local facility to carry out repair job in Pakistan may please be clarified/elaborated. As per general industry practice in Pakistan, the OEM nominates and mobilizes its technical experts to the Site of Customer to carry out the general maintenance/overhaul/replacement of spares on Centrifugal Compressor on lumpsum or manday basis agreed vide a separate contract. Your consideration in this regard is requested.</p>	<p>Under this clause the requirement of established facilities in Pakistan is preferred, and is not the mandatory requirement. However, Bidder to provide the detailed list of shops and country where such facilities are available and also confirm in time provision of Field Representatives upon request of OGDCL for such Repairs and maintenance requirements.</p>