



KPD-TAY COMPRESSION PROJECT

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

PRE-BID CLARIFICATION # 46



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	Pre-Bid No. 18 Sr. No.10, Fire Water Network	Pre bid 18, Sr. no. 10 indicate fully underground network of fire water required on Thora deep-3, However, Pre bid. No. 13, Sr. No.1 indicate that fire water network and main ring not required at Thora deep-3. Please clarify ambiguity.	<p>Sr. No. 1 of Pre bid Clarification. No. 13 is valid and shall be followed for Thora Deep-03 GGS..</p> <p>Furthermore, development of fully new underground network of closed drain and Oily water for Thora Deep-03 GGS is in the scope of EPCC Contractor.</p>
2	Pre-Bid No. 18 Sr. No.12 & 13, Material selection study	With reference to Pre-Bid No. 18 Sr. No.12 & 13, bidder will again reiterate to share existing system Material selection study to help us use same Term of reference for our study. Bidder anticipate that existing system study is already available to one of the bidder who has executed this project previously and participating in this bid also. Therefore, OGDCL is requested to share this study to allow all bidder has same level of information for their working at bidding stage.	<p>Material selection study report of existing Plant is not available/produced as part of project deliverables. Though, the materials of existing equipment, lines etc are mentioned on the relevant drawings & documents and those drawings have already been provided in the Tender Documents.</p> <p>Furthermore, Compositions are already provided in the Tender Documents. Material selection study for the entire KPD-TAY Compression project is in Bidder/EPCC Contractor scope of work.</p>
3	Pre-Bid No.5 Sr. No.39, Flare System Detail	With reference to Pre-Bid No.5 Sr. No.39, bidder will again reiterate to share existing system Flare System relief and blowdown report along with radiation and dispersion study. Bidder anticipate that existing system study is already available to one of the bidder who has executed this project previously and participating in this bid also. Therefore OGDCL is requested to share the requested information to allow all bidder has same level of information for their working.	<p>As "Bidder anticipate that existing system study is already available to one of the bidder who has executed this project previously and participating in this bid also", we are further clarifying that the previous bidder (previous EPC Contractor who is participating in the KPD-TAY Compression Project Tender) executed the flare system design, However, it was directed to the previous bidder (previous EPC Contractor) that the Flare system design of the Plant had to be designed considering six units of the plant (which was in his scope of work) and assuming the loads of other remaining units of the Plant (whose flare loads were not available and design of these remaining units were not in scope of previously bidder/EPC Contractor).</p> <p>As explained above, different units of the existing Plant were designed by different Contractors. For ready reference, the Flare System available load calculations are attached in Attachment-III.</p> <p>Furthermore, the details of existing Flare system design is already provided in Sr. No. 8 of Pre-Bid Clarification No. 30 and in Tender Documents for the detailed design and study of flare, relief & blowdown system for the KPD-TAY Compression project.</p>
4	Fire Water Pumps AVL	Pre-bid No. 24 Sr. No.6, refer to section 2.06, the referred section is for fire water items, please note that these vendors do not provide fire water pumps. Company to advise AVL for fire water pump or allow bidder to use their own vendors.	Refer Attachment-II.
5	0258-PB-2111 REV-0 Sheet 2 of 2	Plot Plan "0258-PB-2111 REV-0 Sheet 2 of 2 (Plot Plan for Fire Water Ring System TAY-3 GGS)" show generator shed to be relocated whereas other plot plan shows CCR room at same location and no relocation of generator marked. Please clarify generator relocation required or not?	Bidder to follow DWG No. 0258-PC-2205, Rev-2 (PLOT PLAN TAY-03 GGS)
6	Clause # 8 of SOW, 0258-PB-2111-0 P&ID Fire Water System at TAY – 3,	As per feed, proposed firefighting system has capacity of 1250 US GPM, Bidder understand that complete system is designed on the basis of largest fire scenario without any provision of hose reel demand (i.e. 500 gpm) and same philosophy shall be followed by bidder. Please confirm.	Refer Clause 2.4.4 of Section-III (Scope of Work) of Tender Documents.
7	0258-DS-1000-0 (DS of Nodal Compressor at Thora Deep-3 GGS), 0258-DS-1001-0 (DS of Nodal Compressor at TAY-3 GGS), 0258-DS-1002-0 (DS of Nodal Compressor at TAY GPP) and 0258-DS-1003-0 (DS of K-FEC at GPP)	In all compressor package datasheets, inlet fluid composition is provided at package inlet, however chloride content in inlet stream composition are missing. Please specify chloride content for all compressor packages.	Chloride contents are already provided in Annexue-I of Document No. 0258-A-1007-1. Furthermore, it is to note that bidder shall develop simulation and H&MB of all area under study covering all critical and important relevant properties as already mentioned in SOW.



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8	0258-DS-1067-0 (IA Generation Package) TAY-3 and 0258-DS-1068-0 (IA Generation Package) THORA DEEP-3 GGS	In section 2.1 of both these datasheets, design dry bulb temperature is mentioned as 128°F instead of 118°F as mentioned in document # 0258-A-1007-1 (Basis of Design) and all other tender documents. Bidder understands to correct it as 118°F in both these datasheets.	Bidder understanding is correct.
9	0258-DS-1067-0 (IA Generation Package) TAY-3 and 0258-DS-1068-0 (IA Generation Package) THORA DEEP-3 GGS	Note-19 states that Dryers Set must be sized at combined discharge flow of both Instrument Air Compressors. Pre & After Filters shall also be sized at combined discharge flow of both Instrument Air Compressors. Bidder from economics point of view require clarification that Dryers Set including Pre & After filters must be sized based upon 1x100% discharge flow of single Instrument Air Compressor and not 2x100% air compressors running. Please confirm.	Bidder to adhere Tender requirements.
10	0258-DS-1006-0 (New LP K-Finger Slug catcher (SC-4601))	Bidder will reiterate that please note that based upon process conditions and required slug volume storage specified for this equipment, it can be considered as Vessel Type Separator instead of Pipe Finger type slug catcher. This will also be beneficial for reduction in plot area and construction works whilst meeting all the performance requirements. Please confirm acceptance to proceed with Vessel type slug catcher.	Bidder to adhere Tender requirements.
11	0258-DS-1058-0 (Fire Water Storage Tank) and 0258-A-1013-0 (Fire Water Calculation Report)	In reference datasheet, New fire water tank T-5604 size is mentioned is as 12 m x 14.5 m, however in fire water calculation report, new fire water tank has the dimensions of 10.5 m x 14.4 m (Dia x Height). Bidder understands to proceed with size of 12 m x 14.5 m as per datasheet.	Noted the datasheet shall govern. However, minimum sizes are mentioned in the Tender Documents, EPCC Contractor shall perform detailed calculations, hydraulics to design fire fighting system to comply local and international codes to protect assets from potential fire.
12	0258-PC-2201-1 (PLOT PLAN THORA DEEP-03)	Refer to site visit, Thora Deep-03 wellhead RTU location is not marked on plot plan. Client to confirm the location of Thora Deep-03 wellhead RTU.	Supply & Installation of Wellhead RTU at Thora Deep-03 is not part of this project, and shall be carried out by the client (OGDCL) under wellhead development. Regarding Proposed location of RTU panel, please find attachment-I marked with location for the installation of RTU, Solar Structure and Communication Tower of SCADA System at Thora Deep-3.
13	Site visit	Refer to site visit at GPP Nodal Compressor area (K-5701A/B/C), lighting of this area, the main power supply will take from main nearest filed MLDBs for Compressor's area Lighting DBs (LDBs). Please confirm.	New lighting Distribution board for GPP Nodal Compressor area (K-5701A/B/C) area will be energized/ powered from existing Power Distribution board (located in old early facility area). In this regard, additional feeder / breaker as required shall be added in existing Power Distribution board. Complete modification work shall be carried out in a satisfactory manner.
14	Site visit	Refer to site visit, Existing MCC/CCR room. New marshaling cabinet along with hardwire of ESD-3 will be installed in marshaling cabinet room for I/Os of Nodel Compressors, Slug Catcher, LP Condensate Pumps and trim cooler. For DCS I/Os the Process controller is available (make ABB) in DCS-2 cabinet. I/Os modules and related hardware up to field terminal TBs will be newly installed in same DCS-2 cabinet. Space of DC-2 cabinet is satisfactory. Please confirm	Bidder's understanding is correct.
15	Site visit	Refer to site visit, UPS power supply of new Nodel Compressor's UCPs (K5701A/B/C) will be connected from new wall mounted DB for six number breaker. Main power will be from existing UPS panel to new added wall mount DB as discussed and mutually agreed with OGDCL/Consultant representatives during site visit. Because there are no spare breakers available in Existing UPS distribution panel. Please confirm.	Confirmed. However, main breaker for connection of new DB shall be added in existing UPS Panel in this regard.
16	Site visit	Refer to site visit, we understand there is no MCC panel in existing MCC room for Nodel Compressors area (K-5701A/B/C) except LP condensate pumps as per tender and as discussed with OGDCL/Consultant representatives. Load of LP condensate pumps will be taken from Existing spare feeder of MCC. Please confirm.	Please refer pre-bid meeting MOM point no.5 & 6.



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17	Site visit	<p>Refer to site visit, for GPP Front End Compression plot area (05 Nos Compressors) New MCC A, MCC B will be installed in supervisor room. For MCC A, in coming power tie-in will be connected with spare 400A breaker (already installed) cubical from nearest Switchgear SWG-002A .</p> <p>For MCC B, in coming power tie-in will be connected with available spare pace of 400A breaker cubical from nearest Switchgear SWG-002B . New 400A tie-in barker cubical will be procured for MCC B. Please confirm</p>	<p>Power supply for the new Switchgear (BUS-A / MCC-A) shall be supplied from existing switchgear MCC (103-MCC-05, Bus-A, Panel#1, Space cubical) thru power cables and Power supply for the new switchgear (Bus-B / MCC-B) shall be supplied from existing switchgear MCC (103-MCC-05, Bus-B, Panel#11, Feeder no.61) thru power cables.</p> <p>Modification, supply, tie-in, installation of new 4P, 400A, withdrawable MCCB Module, along with metering & protections devices, increasing/addition of bus droppers etc. in existing switchgear MCC (103-MCC-05, Bus-A, Panel#1) as illustrated on to project single drawing and documents shall be provided.</p>
18	0258-IMF-6313-1 (Control System Architecture KPD)	<p>Refer to Notes 4, Each compressor package's PLC shall be hardwired interfaced with plant new ESD system. Bidder understand the hardwired signals are used only for Equipment (Compressor's UCP) shutdown "FROM" "TO" to plant new ESD system. Please confirm.</p>	<p>Refer Doc # 0258-IMA-6010-1 (Instrument List – Plant) for required I/O details.</p>