

PRE-BID CLARIFICATION NO. 8

**COMPANY'S RESPONSE TO BIDDERS' CLARIFICATIONS ON TENDER DOCUMENT FOR
HIRING THE SERVICES OF PCC CONTRACTOR FOR SUPPLY / INSTALLATION / CIVIL FOUNDATIONS FOR
MISCELLANEOUS EQUIPMENTS & PLANT BUILDING WORKS FOR MELA DEVELOPMENT PROJECT (PCC)
(TENDER ENQUIRY NO. PROC-FC/CB/PROJ/MELA-3368/2018)**

Sr. No.	BIDDERS' QUERY	REFERENCE	COMPANY REPLY / CLARIFICATION
GENERAL			
1.	As per provided RFQ Volume-I&II, MELA Upgradation is a pure PCC contract, so Engineering or design vetting is not in contractors scope, With reference to the Engineering section 4.0 provided in Overall Scope of Work & Services in Volume-II, BIDDER understands that engineering design is completed by M's ZEL and any sort of engineering and design verification work mentioned in section 4.0 etc is not in PCC contractors scope. Client to confirm.		<p>Contractor shall be responsible for the verification of design data for the equipment / material which are to be supplied by Contractor.</p> <p>Further, Contractor to verify the IFC drawings with the actual site conditions and the actual equipment available at site (its own supplied equipment as well as Owner Supplied equipment) prior to Construction.</p> <p>Further, Bidders are requested to go through SOW Document attached in the Tender Document (165-2-SPG-130, Rev.0) carefully. Scope written in the SOW document is part of Bidder's Scope.</p>
2.	BIDDER understands that all BOQs provided in VOLUME-I of ITB are as per finalized engineering IFC drawings and consists of all items required for completion of project, Scope of PCC contractor doesnot include any engineering, only procurement of items will be conducted based on provided technical data sheets, specifications and drawings.		<p>Please refer to "Preamble to Bill of Quantities" attached with the Tender Document.</p> <p>Further also refer to note on BOQs which is re-produced here for your reference.</p> <p><i>"The quantities mentioned in the BOQs are indicative and may change as detail design progresses. The bid evaluation will be carried out considering the quantities given in BOQs and unit rates quoted by the Bidders."</i></p>

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MECHANICAL			
1.	With reference to doc # 165-2-SPM-042, Scope of supply includes Drip pan, loading tray for loading pigs and davits for loading and off loading pigs, We understand that OGDCL will provide complete IFC drawings for Scrapper Launcher fullfilling all design requirements of above mentioned specifications to the successful bidder, since no engineering is in PCC contractor`s scope.		<p>Please carefully read doc # 165-2-SPM-042, Rev.1, it clearly states:</p> <p><i>“This specification defines the scope of supply and minimum requirements for the manufacture, inspection and testing of fixed scraper launcher complete with all instruments, piping and associated facilities, to be installed at OGDCL Mela site.”</i></p> <p>Supply of complete skid mounted scraper launcher as per schematic attached as Annexure-I (of the Specification) and other technical requirements is part of Bidder’s scope.</p> <p>Since it is a complete skid mounted scraper launcher alongwith all instruments and accessories, all necessary detail / fabrication drawings for scraper launcher is to be provided by Bidder.</p> <p>All drawings / documents required from Bidder are also clearly identified in the Specification.</p>
2.	With reference to the structural drawings provided in volume-II, Details of skid for scrapper/launcher have not been provided, Only foundation drawings have been received, BIDDER understands that the final IFC drawings will be provided to successful bidder.		Please refer to point above for clarification.
3.	With reference to doc # 165-2-SPM-042, 4.4.3 Valves, Valves shall have open/close limit switches for connection to control panel and/or future SCADA system, BIDDER understands that the requirement have been followed by M/s ZEL and procurement BOQ`s provided for valves fullfills all technical requirements.		<p>Bidder to provide valves as part of the complete skid mounted scraper launcher package.</p> <p>Please read the specification carefully.</p>
4.	BIDDER understands that the descriptions mentioned in supply and procurement BOQ`s of all Pipes, fittings, valves etc are in accordance with Technical Data sheets, project specifications, codes/standards and the quantities mentioned are sufficient to fullfil project requirements, Please confirm.		<p>Bidder’s understanding is correct.</p> <p>Please refer point no.2 (General) of this PBC for further clarification.</p>
5.	BIDDER understands that the company supplied packages will be comple in all respects other than the BOQ`s provided for supply, and additional missing item identified at later stage by contractor will be additional, please confirm.		Company supplied packages are to be considered complete by the bidders.

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ELECTRICAL			
1.	Kindly confirm service factor 1.15 is required for all motors.		Bidder's understanding is correct.
2.	Batteries are not provided in Electrical BOQ so client to confirm that UPS require back-up time. If yes, then kindly provide the battery back-up time required for UPS.		The battery backup time is mentioned in bullet 19 of 165-2-DSE-003 Data Sheet for UPS. Also refer 165-2-SCE-001 for UPS package boundary clarifications and shall be quoted against UPS BOQ line item.
3.	Kindly confirm Impressed current Cathodic protection is required for Tanks only and Sacrificial Cathodic Protection is required for underground pipeline only.		Please follow the BOQ line item 12.0 & 13.0 of 165-2-BQE-005 and Cathodic protection specs 165-2-SPE-026.
4.	Kindly confirm total load provided in Load list shall be considered as total electrical load. No other load shall be considered.		Load List will be updated as per IFC design package.
5.	As per bidders understanding, only MCC Main Distribution board/panel is in Contractor's scope while incomer feeder for MCC panel, any transformer etc. for MCC is in Client's scope. Kindly confirm.		As per Addendum#2, there is no such MDB required for MELA project. Please refer the 165-2-ELS-002 Rev 1 issued in Addendum#2 for proper scope clarifications. However there is no transformer envisaged for this project at any stage.
6.	Referring Doc# 165-2-SPE-025, (Power and control cable schedule) & Doc# 165-2-SPE-018, (Electrical Load List) please specify "Existing Plant Load". As per cable schedule cable for "Existing Plant Load" depicts that it is incoming from Client Existing MCC panel to New incomer Panel for MELA Compression Project but as per Electrical Load List " Existing Plant Load" is just 150kW. Client to confirm this deviation.		As per Cable Schedule 165-2-SPE-025 Rev.1 issued with Addendum#2 and 165-2-SPE-018 (Load List), the feeder to existing plant MCC will be provided from new MCC (PC Contractor Scope). There is no discrepancy/deviation.
7.	Referring Doc# 165-2-SPE-025, (Power and control cable schedule), Client to confirm that Cable tag # PC-101-MCC-01-A & PC-101-MCC-01-B (Incomer for MCC Bus A & Bus B) are the cable for New Incomer to Bus A & Bus B. And also client to confirm the length and total number of runs of these cables.		Refer to Addendum#2, 165-2-SPE-025 Rev.1, Such cable tags are not part of cable schedule. Please also consider addendum as part of the tender.
8.	Referring Doc# 165-2-SPE-018, (Electrical Load List) sub heading # Condensate Stabilization Package. Only Feeders/Starters for these Future Loads have been considered in MCC/Main Distribution Board. Cables, LCS etc. are not considered for future loads. Client to confirm.		Bidder's understanding is correct.
9.	Kindly confirm form-4 Type tested MCC panel as per IEC-60439 is required.		Bidder's understanding is correct.

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10.	As per Doc# 165-2-SPE-018,(Electrical Load List) Total Power For Foam Dosing Pump A and Foam Dosing Pump B are 1.1kW. But in Singe Line diagram of MCC Doc # 165-2-ELS-002 total power for these pumps are 11kW. Client to confirm the accurate power.		As per Doc # 165-2-ELS-002, Singe Line diagram of MCC (101-MCC-01), Electrical power for foam dosing pumps shall be considered as 1.1kW.
11.	Referring Singe Line diagram of MCC Doc # 165-2-ELS-002. Local Control Panel(LCP) for motors are not provided in Electrical BOQ. Client to confirm the requirment.		LCPs are considered as the part of Equipment package/Controller and are not considered separately in BOQ.
12.	No earthing calculation is in Contractor's scope. As per bidder's understanding total equipment provided for Earthing and Lightning System in Electrical BOQ are sufficient for obtaining 1 ohm and 10ohm resistance respectively. Client to confirm.		Earthing Calculation is not in Contractor's Scope.
13.	As per Bidder's understanding total load required for each compressor package is 40kW. So, all the loads of skid mounted equipment are included in 40kW i.e. Lube oil pump, Lube oil heater, Oil &water heater etc. Client to confirm.		Bidder's understanding is correct.
14.	As per Bidder's understanding all items related to compressor packages shall be provided as free issue to the contractor inlcuding equipment, cable, lighting etc. contractor's scope is to install all these equipment. Client to confirm.		Please consider Vendor docs attached with tender for free issued materials. Vendor will try to assemble the complete package as single skid item but due to packaging and shipment reservations, some items will be loose shipped and installation of same will be in contractor's scope as a complete one job.
15.	Referring Doc# 165-2-SPE-025, (Power and control cable schedule) cable for on-skid equipement are available but same are provided in Electrical BOQ. Client to confirm this deviation.		Query is not clear. Please elaborate.
16.	client to confirm that supply of all the cabling between all compressor related equipement shall be provided as a free issue. Only supply Main Power cable for each Compressor package is in contractor's scope. Please confirm.		Please follow Cable Schedule and Cable BOQ for scope clarification.
17.	With reference to doc # 165-2-SPM-042, Scope of supply includes Scrapper indicators(MEchanical flag and electrical switch), however this switch is not the part of supply BOQ and SLD. Please re-confirm the requirement.		Please refer point no.1 & 3 (Mechanical) of this PBC for further clarification.
18.	As per Bidder's understanding total quantities provided in Electrical BOQ are final.		Please refer point no.2 (General) of this PBC for further clarification.

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INSTRUMENTATION & CONTROL			
1.	For the scope of supply of (Process field) instruments, Bidder has considered only (Process field) Instruments mentioned in the Instrument BOQ 152-2-BQI-001, REV.0 (which has been extracted from the instrument list 152-2-SPI-014, REV.0 with respect to the P&IDs numbers (165-2-PID-107, REV.0 165-2-PID-108, REV.0 165-2-PID-109, REV.0 sheet 1 of 4, 2 of 4 and 4 of 4) mentioned in it. Any (Process field) instrument other than these present or not present in the P&IDs such as 165-2-PID-107, REV.0 165-2-PID-108, REV.0 165-2-PID-109, REV.0 sheet 1 of 4, 2 of 4 and 4 of 4 or other P&IDs of the ITB shall not be part of supply of scope. Please confirm		Bidder understanding is correct. Bidder to supply instrument as mentioned in Instrument BOQ 165-2-BQI-001, Rev. 0.
2.	P&ID # 165-2-PID-109, REV.0 sheet 4 of 4 is not present in the ITB. Please provide		Refer Page # 1220/1625 (Volume-II – Technical) to find subject P&ID
3.	As per the Instrument List 152-2-SPI-014, REV.0 Flow indicator (FI-3503) is mentioned as local instrument where as in the BOQ 152-2-BQI-001, the flow indicator with flow totalizer (turbine type) is written. Is the instrument flow indicator or flow indicator with flow totalizer (turbine type) and if it is flow indicator with totalizer (turbine type) then shall its signal be terminated on PLC. Please confirm		Bidder to refer instrument data sheet, it clearly mention that totalizer have it own batter to display flow rate and having option 4-20mA if display required in future on PLC. Currently its local instrument and signal shall not be terminated on PLC.
4.	Control system (PLC - SIL2) shall only consider field IOs (hardwire signals) as mentioned in IO List 152-2-SPI-014, REV.0 and cable schedule 152-2-SPI-014, REV.0 and Please confirm		Bidder to consider total IO count with future IO count as mention in IO list (165-2-SPI-018)
5.	Control system (PLC - SIL2) shall only consider serial/data communication with three fuel gas compressors and one instrument air compressor respectively. Please confirm		Bidder to note that for Gas compressors Bidder to consider a Hard wired signals for ESD-01 and ESD-02 as well as mentioned in 165-2-SPI-020.
CIVIL			
6.	Compressor foundation drawings have not been provided in Volume-II, BIDDER understands that the BOQs provided in Volume-I includes civil quantities for foundation of these three reciprocating compressors. Please confirm.		For drawing of reciprocating compressor foundations, please refer Page 1500 of 1625 of Volume-II and for its BOQ refer Section 1.4, Page 1169 of 1625 of Volume-II.