

<b>KUNNAR PRODUCED WATER DISPOSAL SYSTEM</b>		
<b>TECHNICAL CLARIFICATIONS</b>		
<b>CPI SEPERATOR FOR PRODUCED WATER DISPOSAL SYSTEM AT KUNNAR</b>		
<b>TENDER # PROC-FE/CB/PROD-4439/2019</b>		

<b>Sl. No.</b>	<b>Technical clarification</b>	<b>OGDCL response</b>
1-	Please confirm that filtration system ( PIPING & INSTRUMENTATION DIAGRAM FOR BUFFER TANKS & TREATMENT SKID ) as shown in P&Id No.0404177-PID-003 is in Client scope	Filtration System as shown in P&ID No. # 0404177-PID-003 (Piping & Instrumentation Diagram For Buffer Tanks & Treatment Skid) is in OGDCL's scope of supply.
2-	Bidder scope of supply include CPI separator ,instrumentation and pumps as shown in P&Id No.0404177-PID-002 ( PIPING & INSTRUMENTATION DIAGRAM FOR O1L/ WATER SEPARATION SYSTEM )	Yes, CPI separator, Instrumentation and pumps as shown in P&ID No. # 0404177-PID-002 (Piping & Instrumentation Diagram For Oil/ Water Separation System) is in Bidder scope of supply.
3	Bidder will provide total three Separate bays for the plate packs, client can shut off a bay to allow cleaning, while the other two bays continue to operate. Settling chamber is a common, the treated water and waste oil chamber are a combined. Please confirm	CPI separator shall be equipped with minimum of three bays for plate packs, and one spare plate pack shall be provided as per the Datasheet for CPI Separator (0404177-PRO-DT-002). Settling chamber shall be common. However, the treated water & Waste oil chamber shall be separate.
4	Please confirm if vibration monitoring system is required with pumps	Vibration monitoring system shall be required.
5	Please confirm that API-610 is not applicable for PRODUCE WATER TRANSFER PUMPS & RECOVERED OIL TRANSFER PUMP. Bidder will provide pumps as per pump manufactured standard .please confirm	API-610 Centrifugal Pumps for Petroleum, Petrochemical & Natural Gas Industries is applicable to Produce Water/Recovered Oil Transfer pumps as they are one of the types of Centrifugal Pumps.
6	Please confirm oxygen content at the inlet stream (polluted water) of CPI separator	Data not available
7	Please confirm client required CPI Separator based on steel tanks located in a concrete pit	CPI separator shall be constructed in concrete frame, and not on bare steel tanks.

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8	Please confirm that motor will be operating at 415V & 440 V   50 Hz.	0.4kV 50Hz
9	Power cables for all motors will be in client scope. please confirm	Power Cables for Pumps as mentioned in BOQ and Cable schedule will be in contractor's scope of work.
10	Instrument cables from instruments to field mounted JB will be in Bidder scope. From field mounted JB to PLC system will be in client scope. Please confirm	All Instrument Cables will be in Contractor's Scope of Work.
11	All panels and systems including PLC / MCC will be in client scope	PLC/MCC will be in contractor's scope of work.
12	Earthing pits till bosses will be in client scope.	Earthing Pits Complete in all aspects as mentioned in Design package will be in Contractor's scope of work.
13	Lighting / Lightning are in client scope. Please confirm	Lighting will be in contractor's scope of work.
14	All Piping and Mechanical valves are in OGDCL scope. Please confirm	Please refer to skid-marked P&ID for CPI Separator (No. # 0404177-PID-002). Vendor's scope of supply includes all piping, valves and instruments marked under CPI skid. Tie-ins for Inlet/outlet connections for CPI separator to be provided by vendor.
15	Please confirm commissioning at site and any civil works is in Client scope	Commissioning and any civil work is in Bidder scope.

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