



OIL & GAS DEVELOPMENT COMPANY LIMITED
UCH GAS FIELD/PLANT, DERA BUGTI, BALOCHISTAN

Annexure-A

Schedule of Requirement

Tender Enquiry No: PROC-L (UCH-II)/ATA2022/PROS-001/2021,
“PROCUREMENT OF CARTRIDGE FILTERS FOR UCH-II PLANT”

Sr #	Description	Order Qty.	Order Unit															
1	<p>Feed Gas Coalescer Filter 1 Micron For 300/310 V102</p> <table border="1"> <tr> <td>Design Temp/Press</td> <td>°F/Psig</td> <td>-20/180 °F @ 1000 Psig</td> </tr> <tr> <td>Oper. Temp/Press</td> <td>°F/Psig</td> <td>71/113 °F @ 757/880 Psig</td> </tr> <tr> <td>Design Flow</td> <td>MMSCFD</td> <td>165</td> </tr> <tr> <td>Process Fluid</td> <td colspan="2">Raw Gas</td> </tr> </table> <p>Filter Specifications:</p> <p>Product Aqua Clear® (AE36B-1-136-EM-3-4-G110)</p> <p>Length 917 mm</p> <p>I.D 108mm</p> <p>O.D 136mm</p> <p>Rating 1 Micron</p> <p>End connections SOE (Single open end)metallic end caps</p> <p>Centre Hole 16.5 mm</p> <p>Inner core material Galvanized steel</p> <p>Filter media Polypropylene</p> <p>Outer Cover Cotton Sock</p> <p>Gasket NBR</p>	Design Temp/Press	°F/Psig	-20/180 °F @ 1000 Psig	Oper. Temp/Press	°F/Psig	71/113 °F @ 757/880 Psig	Design Flow	MMSCFD	165	Process Fluid	Raw Gas		150	Nos.			
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2	<p>Amine Cartridge Filter 50 Micron For Amine Sump 300/310 S-104</p> <table border="1"> <tr> <td>Design Temp/Press</td> <td>°F/psig</td> <td>30/180 °F @ 200 psig</td> </tr> <tr> <td>Oper. Temp/Press</td> <td>°F/Psig</td> <td>30/100 °F @ -/102 psig</td> </tr> <tr> <td>Flow</td> <td>GPM</td> <td>30-65</td> </tr> <tr> <td>Filter Efficiency</td> <td colspan="2">Removal of 50 Micron 99%</td> </tr> <tr> <td>Process Fluid</td> <td colspan="2">Rich Amine (MDEA)</td> </tr> </table> <p>Filter Specifications:</p> <p>Product Aqua Clear® A40-50AE222F</p> <p>Length 1004 mm</p> <p>Total length with end caps 1070 mm</p> <p>I.D 27.5 mm</p> <p>O.D 63.5mm</p> <p>Rating 50 Micron (Nominal)</p> <p>End connections 222 O-ring/Fin end cap</p> <p>O ring material NSF certified NBR (Buna-N)</p> <p>Inner core material 100% Poly Propylene</p> <p>Filter media 100 % Poly propylene</p>	Design Temp/Press	°F/psig	30/180 °F @ 200 psig	Oper. Temp/Press	°F/Psig	30/100 °F @ -/102 psig	Flow	GPM	30-65	Filter Efficiency	Removal of 50 Micron 99%		Process Fluid	Rich Amine (MDEA)		150	Nos.
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3	<p>Lean Amine Cartridge Filter 10 Micron For 300/310 S 103 A</p> <table border="1" data-bbox="289 254 1045 510"> <tr> <td>Design Temp/Press</td> <td>°F/psig</td> <td>30/180 °F @ 85 psig</td> </tr> <tr> <td>Oper. Temp/Press</td> <td>°F/Psig</td> <td>116/130 °F @ 15/ 50 psig</td> </tr> <tr> <td>Flow</td> <td>GPM</td> <td>400</td> </tr> <tr> <td>Efficiency</td> <td colspan="2">99 % at 10 Micron</td> </tr> <tr> <td>Process Fluid</td> <td colspan="2">Lean Amine</td> </tr> </table> <p>Filter Specifications:</p> <table data-bbox="289 583 1101 953"> <tr> <td>Product</td> <td>Aqua Clear® A59B-10AE222/F</td> </tr> <tr> <td>Length</td> <td>1502 mm</td> </tr> <tr> <td>Total length with end caps</td> <td>1568mm</td> </tr> <tr> <td>I.D</td> <td>27mm</td> </tr> <tr> <td>O.D</td> <td>63.5mm</td> </tr> <tr> <td>Rating</td> <td>10 Micron (Nominal)</td> </tr> <tr> <td>End connections</td> <td>222 O-ring/Fin end cap</td> </tr> <tr> <td>O ring material</td> <td>NSF certified NBR (Buna-N)</td> </tr> <tr> <td>Inner core material</td> <td>100% Poly Propylene</td> </tr> <tr> <td>Filter media</td> <td>100 % Poly propylene</td> </tr> </table>	Design Temp/Press	°F/psig	30/180 °F @ 85 psig	Oper. Temp/Press	°F/Psig	116/130 °F @ 15/ 50 psig	Flow	GPM	400	Efficiency	99 % at 10 Micron		Process Fluid	Lean Amine		Product	Aqua Clear® A59B-10AE222/F	Length	1502 mm	Total length with end caps	1568mm	I.D	27mm	O.D	63.5mm	Rating	10 Micron (Nominal)	End connections	222 O-ring/Fin end cap	O ring material	NSF certified NBR (Buna-N)	Inner core material	100% Poly Propylene	Filter media	100 % Poly propylene	200	Nos.
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5	<p>Glycol Cartridge Filter 10 Micron For 400/410 F 101 A/B</p> <table border="1" data-bbox="289 254 1076 468"> <tr> <td>Design Temp/Press</td> <td>°F/psig</td> <td>30/215 °F @ 130 psig</td> </tr> <tr> <td>Oper. Temp/Press</td> <td>°F/Psig</td> <td>135/185 °F @ 50 psig</td> </tr> <tr> <td>Flow</td> <td>GPM</td> <td>35</td> </tr> <tr> <td>Efficiency</td> <td colspan="2">99 % at 10 Micron</td> </tr> <tr> <td>Process Fluid</td> <td colspan="2">Rich TEG</td> </tr> </table> <p>Filter Specifications:</p> <table data-bbox="289 541 1036 835"> <tr> <td>Product</td> <td>Aqua Clear® A40A-10A</td> </tr> <tr> <td>Length</td> <td>1016 mm</td> </tr> <tr> <td>I.D</td> <td>27.5 mm</td> </tr> <tr> <td>O.D</td> <td>63.5mm</td> </tr> <tr> <td>Rating</td> <td>10 Micron (Nominal)</td> </tr> <tr> <td>End connections</td> <td>DOE(Double End Open)</td> </tr> <tr> <td>Inner core material</td> <td>100% Poly Propylene</td> </tr> <tr> <td>Filter media</td> <td>100 % Poly propylene</td> </tr> </table>	Design Temp/Press	°F/psig	30/215 °F @ 130 psig	Oper. Temp/Press	°F/Psig	135/185 °F @ 50 psig	Flow	GPM	35	Efficiency	99 % at 10 Micron		Process Fluid	Rich TEG		Product	Aqua Clear® A40A-10A	Length	1016 mm	I.D	27.5 mm	O.D	63.5mm	Rating	10 Micron (Nominal)	End connections	DOE(Double End Open)	Inner core material	100% Poly Propylene	Filter media	100 % Poly propylene	150	Nos.
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6	<p>RO Plant Main Cartridge Filter 5 Micron for 930-102A-V3</p> <table border="1" data-bbox="289 947 1076 1161"> <tr> <td>Design Temp/Press</td> <td>°F/psig</td> <td>30/170 °F @ 110 psig</td> </tr> <tr> <td>Oper. Temp/Press</td> <td>°F/Psig</td> <td>70/100 °F @ 65 psig</td> </tr> <tr> <td>Flow</td> <td>GPM</td> <td>105-212</td> </tr> <tr> <td>Efficiency</td> <td colspan="2">99 % at 10 Micron</td> </tr> <tr> <td>Process Fluid</td> <td colspan="2">Raw water</td> </tr> </table> <p>Filter Specifications:</p> <table data-bbox="289 1234 1052 1528"> <tr> <td>Product</td> <td>Aqua Clear® ARO40A-5A</td> </tr> <tr> <td>length</td> <td>1016 mm</td> </tr> <tr> <td>I.D</td> <td>27.5 mm</td> </tr> <tr> <td>O.D</td> <td>63.5mm</td> </tr> <tr> <td>Rating</td> <td>5 Micron (Nominal)</td> </tr> <tr> <td>End connections</td> <td>DOE(Double End Open)</td> </tr> <tr> <td>Inner core material</td> <td>100% Poly Propylene</td> </tr> <tr> <td>Filter media</td> <td>100 % Poly propylene</td> </tr> </table>	Design Temp/Press	°F/psig	30/170 °F @ 110 psig	Oper. Temp/Press	°F/Psig	70/100 °F @ 65 psig	Flow	GPM	105-212	Efficiency	99 % at 10 Micron		Process Fluid	Raw water		Product	Aqua Clear® ARO40A-5A	length	1016 mm	I.D	27.5 mm	O.D	63.5mm	Rating	5 Micron (Nominal)	End connections	DOE(Double End Open)	Inner core material	100% Poly Propylene	Filter media	100 % Poly propylene	120	Nos.
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Process Fluid	Raw water																																	

Filter Specifications:			
Product	Aqua Clear® ARO30A-5A		
length	762 mm		
I.D	27.5 mm		
O.D	63.5mm		
Rating	5 Micron (Nominal)		
End connections	DOE(Double End Open)		
Inner core material	100% Poly Propylene		
Filter media	100 % Poly propylene		

Reference Documents:

1. Datasheets of all filter elements are attached

Terms & Conditions.

1. Bidder must have minimum 05 years of experience in manufacturing/supply/OEM authorized distribution of similar filter elements and must provide the evidence that offered filters are being used in the different organizations. In order to assure the capacity, quality & efficiency of the equivalent filter elements, Bidder shall provide evidence these filters are being used in similar applications.
2. Bidder to confirm that filter material will be European/USA/Middle east Origin and that 3rd party MTCs/ MSDS of Filter Media by corresponding OEM will be provided prior to delivery.
3. Bidder to confirm that 3rd party verified Filter Test Certificates by renowned independent 3rd Party lab, specialized and certified for captioned testing must be provided before delivery. Complete Test procedure including 3rd party calibration certifications of testing rig, measuring instruments and test media must also be provided along with test report.
4. To avoid any dimensional discrepancy, bidder to confirm that after placement of confirm PO a complete filter cartridge will be supplied as a sample at Uch Gas Field, OGDCL to check fitment with filter housing.
5. If required the filter element sample can be provided to the successful bidder to avoid any ambiguity at later stage.
6. If bidder finds any ambiguity in specification, dimension or any technical detail / data, it should be clarified prior to bid submission. If needed, filter samples can also be witnessed at UCH Gas Field.
7. Bidder to confirm that Each filter will be packed in secured and seaworthy robust packing (preferably of hard cardboard), stacked on pellets for easy transportation and handling, tied and wrapped with polythene or equivalent sheet capable of securing from humidity / rain water ingress. Handling instructions along with symbols also to be pasted on each pallet packing.
8. Filter elements must be new & free from any defect.

9. Filters will be delivered at Uch Gas Field-OGDCL in original OEM packing and elements must have standard OEM warranty/guarantee.
10. Bidder to confirm that proposed filter elements would be 100% replacement of specified filters with same efficiency, fits & tolerances. Bidder has to provide the literature and relevant documents regarding equivalent Filter elements. Bidder must provide the detailed drawing(s), technical specification(s) and documentary evidence / proof that supplied Filter elements are exact replacement of Filter elements specified in this documents and other referred.

GENERAL TERMS AND CONDITIONS:

- A. BIDS MUST BE SUBMITTED UNDER **TWO ENVELOPES BIDDING SYSTEM** i.e. TECHNICAL & FINANCIAL BID SEPARATELY ON DUE DATE.
- B. FINANCIAL BIDS OF ONLY TECHNICALLY RESPONSIVE BIDDERS WILL BE OPENED PUBLICLY.
- C. AFTER TENDER OPENING "TECHNICAL BIDS" WILL BE REVIEWED. THE BIDS WILL BE BROUGHT TECHNICALLY AT PAR BY SEEKING CLARIFICATIONS. THE BIDDERS WILL **NOT** BE ASKED FOR ANY PRICE CHANGE IN THEIR FINANCIAL BIDS DUE TO CERTAIN CLARIFICATIONS AND SUBSEQUENT CHANGE IN THEIR TECHNICAL PROPOSALS. THE BIDDERS WILL **NOT** BE ALLOWED TO SUBMIT SUPPLEMENTARY PRICE PROPOSALS IN A SEPARATE SEALED ENVELOPE TO MAKE IT A PART OF THE ALREADY SUBMITTED UNOPENED FINANCIAL BIDS AND TO ADJUST THEIR QUOTED PRICE SUBSEQUENTLY AFFECTED DUE TO CHANGE IN TECHNICAL PROPOSALS.
- D. SEALED FINANCIAL BIDS OF TECHNICALLY NON-RESPONSIVE BIDDERS WILL BE RETURNED UN-OPENED.
- E. OGDCL RESERVES THE RIGHT TO REJECT ANY OR ALL THE BIDS WITHOUT ASSIGNING ANY REASON.
- F. PRICES MUST BE QUOTED IN PKR INCLUSIVE OF ALL TAXES AND DUTIES, INDICATING UNIT PRICE AND TOTAL BID PRICES. GST MUST BE QUOTED SEPARATELY ALONG WITH COPY OF GST CERTIFICATE.
- G. QUOTED PRICES SHALL BE VALID FOR **90 DAYS** FROM THE OPENING DATE OF THE TECHNICAL BID.
- H. OGDCL RESERVES THE RIGHT TO EVALUATE THE BID(S) EITHER ITEM-WISE OR FULL PASKAGE BASIS WITHOUT ASSIGNING ANY REASON. TO QUOTE COMPETITIVE PRICES FOR ALL OR ANY ITEMS ENABLE COMPANY TO DECIDE PURCHASE.
- I. THE MAXIMUM DELIVERY TIME FOR SUPPLY ITEMS IS **60 DAYS** FROM THE DATE OF RECEIPT OF FIRM PURCHASE ORDER.
- J. BIDDERS TO SUBMIT THEIR COMPANY PROFILES, EXPERIENCE OF SIMILAR SUPPLIES IN PAKISTAN ALONG WITH TECHNICAL BIDS.
- K. THE MASTER SET OF TENDER DOCUMENTS (LOCAL) AVAILABLE ON OGDCL WEBSITE (WWW.OGDCL.COM) IS THE INTEGRAL PART OF THIS TENDER.



OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD
SCHEDULE OF REQUIREMENT

Mandatory Checklist

Please confirm the compliance of the following mandatory information along with the bid(s) failing which bid(s) will not be accepted.

Documents	To be attached with the Technical / Financial Bids	Compliance	
		Yes <input type="checkbox"/>	No <input type="checkbox"/>
Original Bid Bond	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of NTN Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of GST Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Confirmation that the Firm is appearing FBR's Active Taxpayer List	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly Signed and Stamped Annexure-A(Un-priced)	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-B	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-D	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-L on Company's Letter Head	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-M on Company's Letter Head	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-N on Non-Judicial Stamp paper duly attested by Notary Public	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly Filled, signed and stamped Annexure-A (Priced)	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly Filled, signed and stamped Annexure-C	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly Filled, signed and stamped Annexure-E	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>

The above Annexures are available in MASTER SET OF TENDER DOCUMENTS (LOCAL) and can be downloaded from OGDCL website (www.ogdcl.com).