

OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT, ISLAMABAD
FOREIGN SECTION A

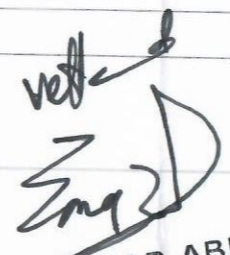
(To be completed, filled in, signed and stamped by the principal)

ANNEXURE 'A'

Material SPARES FOR MULTIMEDIA FILTER PACKAGES (MMF) & RO PLANT FOR UCH-II PLANT
Tender Enquiry No PROC-FA/CB/P&P/UCH-5102/2021
Due Date
Evaluation Criteria FULL

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
1	"Filter regulator Model : W3000-8-W Connection: < BSP Brand : CKD 930-102A-FR-01 " OR EQUIVALENT	Number	1					
2	"Flow Meter Model : LZS 65 Range : 12-60 m3/hr Size : 2 1/2 Make: M. PRO 930-102A-FM-02, 930-102A-FM-06 " OR EQUIVALENT	Number	1					
3	"Flow Meter Model : LZS-50 Range : 1.6- 16 m3/hr Size : 2 Make: M. PRO 930-102A-FM-03 " OR EQUIVALENT	Number	1					
4	"Flow Meter Model : LZS-65 Range : 8-40 m3/hr Size : 2 1/2 Make: M. PRO 930-102A-FM-05 " OR EQUIVALENT	Number	1					
5	"Pressure Indicating Transmitter Range: 0-150 psi Process connection: > BSP Model: GP-M010 Make: Keyence 930-102A-PIT-01 " OR EQUIVALENT	Number	1					
6	"Pressure Indicating Transmitter Range: 0-350 psi Process connection: > BSP Model: GP-M025 Make: Keyence 930-102A-PIT-02 " OR EQUIVALENT	Number	1					
7	"Pressure Switch Range: 0-10 bar Size: = NPT Make: M.PRO 930-102A-PS-01 "OR EQUIVALENT	Number	1					
8	"Recommended Spare Parts for Calcium Hardness analyzer Range: 25ppb to 500 ppm Power: 230VAC Size: 1/4 NPT Model: 2120XP Make: Orion 930-102A-CaT-01 "OR EQUIVALENT	Number	1					
9	"Recommended Spare Parts for Chloride Transmitter Range: 5ppb to 10 ppm Power: 230VAC Size: 1/4 NPT Model: 2117LLEN Make: Orion 930-102A-CIT-01 "OR EQUIVALENT	Number	1					
10	"Recommended Spare Parts for Conductivity Transmitter Range: 0-2000 5S/cm Power: 24VDC Size: = NPT Model: M.200 Make: Mettler Toledo 930-102A-CT-01 "OR EQUIVALENT	Number	1					
11	"Solenoid valve Model : 5281 Type: 2/2way Circuit function: Normally closed Size : 2 BSP Seal: NBR Pressure : 16 bar Make : Burkert 930-102A-SV-05 " OR EQUIVALENT	Number	1					
12	Alum coagulant Pump Model : VAMC07042PPE000M00 Flow Rate : 42 l/h@ 7 bar Power : 100-230V 50/60Hz Make: Prominent CP-01OR EQUIVALENT	Number	1					
13	Antiscalant Chemical Pumps Model :BT4B1601PPE2000UA01000 Flow Rate : 1.1 l/h@16 bar Power : 100-230V,50/60Hz Make: Prominent CP-01OR EQUIVALENT	Number	1					
14	Cable: Part No. OP-87273, I.-Shape, M12 4Pin, Length 5 Meter. Make: KEYENCE Japan 930-102A-PIT-01OR EQUIVALENT	Number	1					
15	Complete Actuator/Valve Assembly for Model Quarter Turn HRP-063-DA/14-F05/F07,Double Acting 0-90 Degree rotation,Butterfly Valve,Model HBRW,Class ISOPN16,Body A536,DiscCF8M,LinearEPDM,MopPN16,StemF6A,Size3,Make Heaton UK OR EQUIVALENT	Number	1					
16	Complete Actuator/Valve Assembly for Model Quarter Turn HRP-063-DA/14-F05/F07,Double Acting 0-90Degree rotation,Butterfly Valve,Model: HBRW,ClassISOPN16,Body A536,DiscCF8M,LinearEPDM,MopPN16,StemF6A,Size2.5,Make Heaton UK OR EQUIVALENT	Number	4					
17	Complete Actuator/Valve Assembly for Model Quarter Turn HRP-075-DA/ 14-F05/F07,Double Acting: 0-90 Degree rotation,Butterfly Valve,Model HBRW, Class ISOPN16,Body A536, Disc CF8M,Linear EPDM,Mop PN16,Stem F6A	Number	4					


MAZHAR ABBAS
 Dy. Chief Engineer (Inst.)-C/A
 Process & Plants Dept. O.G.D.C.L
 Ext: 2367

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Item No.	Description	Unit	Quantity
	.Size4,MakeHeatonUKOR EQUIVALENT		
18	Complete Actuator/Valve Assembly for Model Quarter Turn-HRP-125-DA/22-F07/F10,Double Acting,0-90 Degree rotation, Butterfly Valve, Model HBRW,Class ISOPN16, Body A536, Disc CF8M,Linear:EPDM, Mop:OR EQUIVALENT	Number	2
19	Complete Actuator/Valve Assembly for:Model Quarter Turn HRP-075-DA/ 14-F05/F07,Double Acting:0-90Degree rotation,Butterfly Valve,Model HBRW,ClassISOPN16, Body A536,Disc CF8M,Linear EPDM,Mop PN16,Stem:F6A ,Size 4,Make Heaton UKOR EQUIVALENT	Number	2
20	Differential Pressure Transmitter, Model: DPT24RS2AA0FP39WVH, Material: 316 SS / Ceramics / Viton Seal, Range: 0-60PSI, Serial no: 1008803, Make: HAWK 930-102A-DPT-01 OR EQUIVALENT	Number	1
21	Differential Pressure Transmitter, Model: DPT24RS2AADFP41VH, Material: 316 SS / Ceramics / Viton Seal, Range: 0-100PSI, Make: HAWK 930-101-DPT-01/02/03/04 OR EQUIVALENT	Number	2
22	Electromagnetic Flow Meter / Flow Transmitter, Model: ETG-DC-200LFW-A150CLA-MBL-CPN, Flow range, 45-900 m3/h, Serial no: 13121298, Make: Kaffon Measuring & Controlling Instruments Co. Ltd. 930-101-FT-01 OR EQUIVALENT	Number	1
23	Electromagnetic Flow Meter / Flow Transmitter, Tag No. 930-102A-FT-04, Model: ETG-0080LFS-A150CLA-MBL-C-NN, Flow range, 7-140 m3/h, Serial no: 11030161, Make: Kaffon Measuring & Controlling Instruments Co. Ltd. 930-102A-FT-04 OR EQUIVALENT	Number	1
24	Filter regulator Model : W3000 Connection: < BSP Brand CKD 930-101-FR-01 ,OR EQUIVALENT	Number	1
25	Flange Plate for Indirect Solenoid Actuated Spool Valve, P/N: 0612790, Make: Norgren 930-101-AV-01B/C, 930-101-AV-02B/C, 930-101-AV-03B/C, 930-101-AV-04B/C ,OR EQUIVALENT	Number	2
26	Flange Plate for Indirect Solenoid Actuated Spool Valve, P/N: 0612790, Make: Norgren 930-102A-AV-01A/B/C/D/E OR EQUIVALENT	Number	2
27	Flow Meter Model : LZS 100 Range : 14-90 m3/hr Size : 4 Make: M. PRO 930-101-FM-01/02/03/04 OR EQUIVALENT	Number	2
28	Indirect Solenoid Actuated Spool Valve, P/N: 2623079-3036, Make: Norgren 930-101-AV-01A/D/E, 930-101-AV-02A/D/E, 930-101-AV-03A/D/E, 930-101-AV-04A/D/E OR EQUIVALENT	Number	6
29	Indirect Solenoid Actuated Spool Valve, P/N: 2623079-3036, Make: Norgren 930-102A-AV-01A/B/C/D/E OR EQUIVALENT	Number	4
30	Indirect Solenoid Actuated Spool Valve, P/N: 2623079-3036, Make: Norgren 930-102A-AV-02OR EQUIVALENT	Number	1
31	Limit Switch for Positioner Type/Model: LXW-16-1-3 16A 1/2HP 125 250 VAC 0.6A 125 VDC 0.3A 250VDC 16 (4)A250VAC T125 Make: Hushun 930-102A-AV-01A/B/C/D/E OR EQUIVALENT	Number	3
32	Limit Switch for Positioner Type/Model: LXW-16-1-3 16A 1/2HP 125 250 VAC 0.6A 125 VDC 0.3A 250VDC 16 (4)A250VACT125 Make: Hushun 930-102A-AV-03,930-102A-AV-04 OR EQUIVALENT	Number	1
33	Limit Switch for Positioner Type/Model: LXW-16-1-316A 1/2HP 125 250 VAC 0.6A 125 VDC 0.3A 250VDC 16 (4)A250VAC T125 Make: Hushun 930-102A-AV-02 OR EQUIVALENT	Number	1
34	Liner for for Butterfly Valve, Model: HBRW, Class :- ISOPN16, Body:- A536, Disc:- CF8M, Linear:- EPDM, Mop: PN16, Stem: F6A ,Size : 2.5 , Make:	Number	2

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(Handwritten Signature)

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	Heaton UK 930-102A-AV-02 OR EQUIVALENT		
35	Liner for for Butterfly Valve, Model: HBRW, Class : ISOPN16, Body:- A536, Disc:- CF8M, Linear:- EPDM, Mop: PN16, Stem: F6A, Size : 4, Make: Heaton UK 930-101-AV-01A/D/E, 930-101-AV-02A/D/E, 930-101-AV-03A/D/E, 930-101-AV-04A/D/E OR EQUIVALENT	Number	6
36	Liner for for Butterfly Valve, Model: HBRW, Class :- ISOPN16, Body:- A536, Disc:- CF8M, Linear:- EPDM, Mop: PN16, Stem: F6A, Size : 4, Make: Heaton UK 930-102A-AV-01A/B/C/D/E OR EQUIVALENT	Number	6
37	Liner for for Butterfly Valve, Model: HBRW, Class :- ISOPN16, Body:- A536, Disc:- CF8M, Linear:- EPDM, Mop: PN16, Stem: F6A, Size : 8, Make: Heaton UK 930-101-AV-01B/C, 930-101-AV-02B/C, 930-101-AV-03B/C, 930-101-AV-04B/C OR EQUIVALENT	Number	6
38	Liner for for Butterfly Valve, Model: HBRW, Class ISOPN16, Body:- A536, Disc CF8M, Linear EPDM, Mop: PN16, Stem: F6A, Size : 3, Make: Heaton UK 930-102A-AV-03, 930-102A-AV-04 OR EQUIVALENT	Number	2
39	Power Supply, Model: SDR-240-24, Input: 100-240VAC/2.6A, Output: 24VDC/10A, Make: Mean Well Taiwan OR EQUIVALENT	Number	2
40	Pressure Switch, P.No/ Model: J120-173/XY450, Range: 4-100 Psi or 0.3-6.9 Bar, Over Range 500Psi /34.5 Bar, Set Pressure: 45 Psi Rising, E/R11A 250VAC, 5A 30VDC, Wet Material: 316L st/st, Make United Electric Controls Co. OR EQUIVALENT	Number	1
41	Pressure Switch Range: 0-10 bar Size: = NPT Make: M.PRO 930-101-PS-01 OR EQUIVALENT	Number	2
42	Relay, Model: RMIA45, Rating: 230V, 50/60 Hz, Make: Feme Carlogavazzi OR EQUIVALENT	Number	2
43	Relay, Model: RMIA45 24VDC, Contact Rating: 5A, 250V, 1/6 HP, 240VAC, 5A, 30VDC, 13.32, Make: Feme Carlogavazzi OR EQUIVALENT	Number	2
44	Repair Kit For Indirect Solenoid Actuated Spool Valve, P/N: 2623079-3036, Make: Norgren OR EQUIVALENT	Number	6
45	Repair Kit for Actuator, Model: Quarter Turn HRP-063-DA/ 14-F05/F07, Double Acting: 0-90 Degree rotation, Make: Heaton UK 930-102A-AV-02 OR EQUIVALENT	Number	2
46	Repair Kit for Actuator, Model: Quarter Turn HRP-063-DA/ 14-F05/F07, Double Acting: 0-90 Degree rotation, Make: Heaton UK 930-102A-AV-03, 930-102A-AV-04 OR EQUIVALENT	Number	2
47	Repair Kit for Actuator, Model: Quarter Turn HRP-075-DA/ 14-F05/F07, Double Acting: 0-90 Degree rotation, Make: Heaton UK 930-102A-AV-01A/B/C/D/E OR EQUIVALENT	Number	6
48	Repair Kit for Actuator, Model: Quarter Turn HRP-075-DA/ 14-F05/F07, Double Acting: 0-90 Degree rotation, Make: Heaton UK 930-101-AV-01A/D/E, 930-101-AV-02A/D/E, 930-101-AV-03A/D/E, 930-101-AV-04A/D/E OR EQUIVALENT	Number	6
49	Repair Kit for Actuator, Model: Quarter Turn HRP-125-DA/ 22-F07/F10, Double Acting: 0-90 Degree rotation, Make: Heaton UK 930-101-AV-01B/C, 930-101-AV-02B/C, 930-101-AV-03B/C, 930-101-AV-04B/C OR EQUIVALENT	Number	6
50	Repair Kit for Indirect Solenoid Actuated Spool Valve, P/N: 2623079-3036, Make: Norgren 930-101-AV-01B/C, 930-101-AV-02B/C, 930-101-AV-03B/C, 930-101-AV-04B/C OR EQUIVALENT	Number	12
51	Safety Valve, Type: 4331, 4053, Size: DN50, S.No: 10771893, Flow Area: 660.5	Number	


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	mm2, DE: 29.0, Set Pressure: 3.50 Psi, Back Pressure: 0.00 Psi, Make: Lesser OR EQUIVALENT		
52	Safety Valve, Type: 4331,4063, Size: DN65, S.No: 10756374, Flow Area: 1075.2 mm2, DE: 29.0, Set Pressure: 3.50 Psi, Material: ASME-Cap, Make: Lesser OR EQUIVALENT	Number	1
53	Sodium Hydroxide Chemical Pumps Model :BT4B1000PVT2000UA0100 Flow Rate : 0.74 l/h@10 bar Power : 100-230V,50/60Hz Make: Prominent CP-02OR EQUIVALENT	Number	1
54	Temperature Controller Sensor Type: PT-100 Temperature Analyzer: E5AZ-C3MT Power: 24 VDC Make: Omron 930-102A-TT-01OR EQUIVALENT	Number	1
55	Temperature Controller Temperature Analyzer: E5AZ-C3MT Power: 24 VDC Make: Omron 930-102A-TT-02OR EQUIVALENT	Number	1
56	Turbidity analyzer Model: MicroToL 3 , S.No: 201311257, catalogue No: 20055, Rating: 100-240VAC, 47-63Hz,80 VA, Make: Scientific. Inc 930-101-TURBT-01,930-101-TURBT-02 OR EQUIVALENT	Number	1

Note:

1. Bidder to confirm that all items are brand new with standard warranty/ guarantee
2. Bidder to supply items in standard packing
3. Equivalent will only be acceptable if compatible with the existing system like base/shape/design/configuration. Bidder to confirm the compatibility.
4. Bid Bond Amount: US \$ 800 (US\$ EIGHT HUNDRED ONLY) or equivalent Pak Rupees valid up to 210 Days from the date of technical bid opening
5. Mode of Bidding: Single stage two Envelope basis.
6. Evaluation Criteria: - Full Consignment wise C&F By Sea
7. Delivery Period: 28 Weeks from establishment of LC
8. Bid Validity: 180 Days
9. Bidders are advised to carefully read all the terms and conditions of the MASTER SET OF FOREIGN TENDER DOCUMENT (PRESS-SINGLE STAGE TWO ENVELOP) available on OGDCL website which is an integral part of this Schedule of Requirement