

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

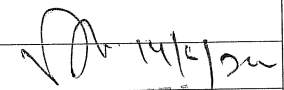
(To be completed, filled in, signed and stamped by the principal)

ANNEXURE 'A'

Material SPARES FOR WASTE HEAT RECOVERY UNIT OF GAS TURBINE (SGT-100) FOR DAKHNI PLANT
Tender Enquiry No PROC-FC/CB/P&P/DKN-5388
Due Date
Evaluation Criteria GROUP WISE

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY AIR	Total Price C & F BY AIR	Deviated From Tender Spec. If Any
Group A								
1	1746-P2 1746 SLC System, Power Supply – Rack Mount, 120/240 VAC, 5A,make Siemens or equivalent in fit,form & functionality.	Number	2					
2	1747-BA 1746 SLC System, Lithium Battery (For RAM Memory Retention),make Siemens or equivalent in fit,form & functionality.	Number	2					
3	1747-L552 1746 SLC System, SLC 5/05 Controller – 32K Memory,make Siemens or equivalent in fit,form & functionality.	Number	1					
4	1756-BA1 Lithium Battery (for use with Series A 1756-L6x Controllers),make Siemens or equivalent in fit,form & functionality.	Number	2					
5	CPU – 315-2DP, Part # 6ES7315-2AH14-0AB0 , Make: SIEMENS or equivalent in fit,form & functionality.	Number	1					
6	CPU – 412-3H, Part # 6ES7412-3HJ14-0AB0,Make: SIEMENS or equivalent in fit,form & functionality.	Number	2					
7	FAILSAFE CARDS 10 DO, Part # 6ES7326-2BF10-0AB0, Make: SIEMENS or equivalent in fit,form & functionality.	Number	1					
8	FAILSAFE CARDS 24 DI, Part # 6ES7326-1BK02-0AB0, Make: SIEMENS or equivalent in fit,form & functionality.	Number	1					
9	FAILSAFE CARDS 6 AI, Part # 6ES7336-4GE00-0AB0, Make: SIEMENS or equivalent in fit,form & functionality.	Number	1					
10	FLASH MEMORY CARD, Part # 6ES7953-8LG31-0AA0 , Make: SIEMENS or equivalent in fit,form & functionality.	Number	1					
11	INTERFACE CARD IM 153-2, Part # 6ES7153-2BA02-0XB0 , Make: SIEMENS or equivalent in fit,form & functionality.	Number	2					
12	KTP1200 Basic HMI, P/N: 6AV2 123-2MB03-0AX0, Make: Siemens or equivalent in fit,form & functionality.	Number	1					
13	PANEL OPERATOR HMI TP1900 Comfort, Part # 6AV2124-0UC02-0AX0 , Make: SIEMENS or equivalent in fit,form & functionality.	Number	1					
14	RAM MEMORY CARD IMB, Part # 6ES7952-1AK00-0AA0, Make: SIEMENS or equivalent in fit,form & functionality.	Number	1					
15	SIMATIC PS407 10A, P/N: 6ES7407-0KA02-0AA0, Make Siemens or equivalent in fit,form & functionality.	Number	1					
16	SIMATIC S7-1200 Power Module PM1207 Stabilized power supply input: 120/230 V AC, output: DC 24 V/2,5 A, P/N: 6EP1332-1SH71, Make: Siemens or equivalent in fit,form & functionality.	Number	1					
17	SIMATIC S7-1200, Analog input, SM 1231, P/N: 6ES7231-4HD32-0XB0, Make: Siemens or equivalent in fit,form & functionality.	Number	1					
18	SIMATIC S7-1200, Analog input, SM 1231, P/N: 6ES7231-4HF32-0XB0, Make: Siemens or equivalent in fit,form & functionality.	Number	1					
19	SIMATIC S7-1200, Analog output, SM 1232, P/N: 6ES7232-4HD32-0XB0, Make: Siemens or equivalent in fit,form & functionality.	Number	1					
20	SIMATIC S7-1200, CPU 1214C, compact CPU, P/N: 6ES7214-1BG40-0XB0, Make: Siemens or equivalent in fit,form & functionality.	Number	1					
21	SIMATIC S7-1200, CPU 1215C, compact CPU, P/N: 6ES7215-1BG40-0XB0, Make: Siemens or equivalent in fit,form & functionality.	Number	1					
22	SIMATIC S7-1200, Digital I/O SM 1223, 8 DI/8 DO, 8 DI 24 V DC, Sink/Source, 8 DO, relay 2 A, P/N: 6ES7223-1PH32-0XB0, Make: Siemens or equivalent in fit,form & functionality.	Number	1					


AHMED ZIA
 Dy. Chief Engr. (ELECT)
 P&P-N, Ext. 416

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Group A

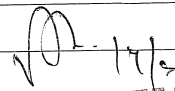
23	SIMATIC S7-1200, Digital output SM 1222, 8 DO, relay 2 A, P/N: 6ES7222-1HF32-0XB0, Make: Siemens or equivalent in fit,form & functionality.	Number	1
24	SIMATIC Y-COUPLER, P/N: 6ES7197-1LB00-0XA0, Make: Siemens or equivalent in fit,form & functionality.	Number	1
25	SIMATIC NET ADVANCED CARDS CP443-1, Part # 6GK7443-1GX20-0XE0, Make: SIEMENS or equivalent in fit,form & functionality.	Number	1
26	STANDARD CARDS 32 DO, Part # 6ES7322-1BL00-0AA0, Make: SIEMENS v.	Number	1
27	STANDARD CARDS 8 AI, Part # 6ES7331-7KF02-0AB0, Make: SIEMENS or equivalent in fit,form & functionality.	Number	1
28	STANDARD CARDS 8 AO, Part # 6ES7332-5HF00-0AB0, Make: SIEMENS or equivalent in fit,form & functionality.	Number	1
29	SYNCHRO MODULE, Part # 6ES7960-1AA04-0XA0, Make: SIEMENS or equivalent in fit,form & functionality.	Number	1
30	TP1200 Comfort HMI, P/N: 6AV2 124-0MC01-0AX0, Make: Siemens or equivalent in fit,form & functionality.	Number	1

Group B

31	1766-L32BXB MicroLogix 1400, 12 digital fast 24V dc inputs, 8 digital 24V dc inputs, 6 relay outputs, 3 fast 24V dc outputs, 3 normal 24V dc outputs, 24V dc power, make Allen Bradley or equivalent in fit,form & functionality	Number	2
32	1770-XYC 1771 PLC-5 System, Lithium Battery For PLC-5 Processors, make Allen Bradley or equivalent in fit,form & functionality	Number	1
33	2711PC-T6M20D8 PanelView Plus 6 Compact Terminal, Touch Input Type, 5.7 in Display Size, Grayscale Display Type, Ethernet and RS232 communication, DC Power Input, make Allen Bradley or equivalent in fit,form & functionality.	Number	1
34	Touch panel membrane for PanelView 550, Cat No. 2711-T5A2L1 Ser: B, Rev: E, FRN: 4.46, make: Allen Bradley or equivalent in fit,form & functionality.	Number	1
35	Touch panel only for PanelView Plus 1000, Cat No. 2711PC-T10C4D8, Ser A, make: Alen bradley or equivalent in fit,form & functionality.	Number	2
36	Touch panel only for PanelView Plus Compact 600, Cat No. 2711PCT6M20D, Ser D, make: Allen bradley or equivalent in fit,form & functionality.	Number	1
37	Touch panel only for PanelView Plus Compact 600, Cat No. 2711PCT6M20D8, Ser A, make Allen Bradley or equivalent in fit,form & functionality.	Number	2

Group C

38	2200 Series ExplosionProof/Falmeproof Rotary Position Monitor, Model No. 2249ABYN00022AAA -AR1, Make: Westlock Controls or equivalent in fit,form & functionality	Number	1
39	2200 Series ExplosionProof/Flameproof Rotary Position Monitor, Model No. 2249ABYNORS44QAG-AR1, Make: Westlock Controls or equivalent in fit,form & functionality.	Number	1
40	Magnum XT-90 hermetically sealed proximity switch P/N: 300-0152 (switches only) Make: Westlock Controls or equivalent in fit,form & functionality.	Number	1
41	Magnum XT-90 hermetically sealed proximity switch P/N: 300-0185 (switches only) Make: Westlock Controls or equivalent in fit,form & functionality.	Number	1
42	Magnum XT-90 hermetically sealed proximity switch P/N: 300-0186 (switches only) Make: Westlock Controls or equivalent in fit,form & functionality.	Number	1
43	Magnum XT-90 hermetically sealed proximity switch P/N: 300-0187 (switches only) Make: Westlock Controls or equivalent in fit,form & functionality.	Number	1


AHMED ZIA
 D. Control Dept. (ELECT)
 P&P-N, EXT:

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44	Magnum XT-90 hermetically sealed proximity switch for above monitor, Make: Westlock Controls or equivalent in fit,form & functionality.	Number	1
45	Magnum XT-90 hermetically sealed proximity switch for above monitor, Make: Westlock Controls or equivalent in fit,form & functionality.	Number	1

Group D

46	Pressure Transmitter Model: 2051CD1A02A1AH2B1E1L4M5D4, Make: Rosemount or equivalent in fit,form & functionality.	Number	1
47	Pressure Transmitter Model: 2051CD2A22A1AB4E1L4M5D4DF, Make: Rosemount or equivalent in fit,form & functionality.	Number	1
48	Pressure Transmitter Model: 2051CG1A02A1AH2B1E1L4D4, Make: Rosemount or equivalent in fit,form & functionality.	Number	1
49	Pressure Transmitter Model: 2051CG3A02A1AH2B1E1M5, Make: Rosemount or equivalent in fit,form & functionality.	Number	1
50	Pressure Transmitter Model: 2051CG4A02A1AH2B1E1M5, Make: Rosemount or equivalent in fit,form & functionality.	Number	1
51	Temperature Transmitter Model: 644HAE1J6, Make: Rosemount or equivalent in fit,form & functionality.	Number	1
52	Temperature Transmitter Model: 644HAE1J6M5, Make: Rosemount or equivalent in fit,form & functionality.	Number	1

Group E

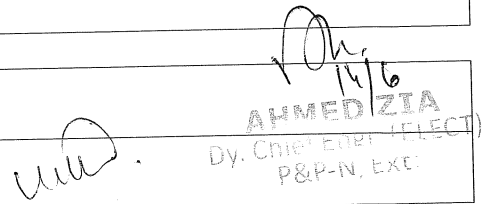
53	KIT DISPLAY 72/73/92F (HART), Part # 50103472, Make: ENDRESS + HAUSER. for VORTEX FLOW METER or equivalent in fit,form & functionality.	Number	1
54	KIT I/O BOARD PW 72/73 HART/PULSE, Part # 50106384, Make: ENDRESS + HAUSER for VORTEX FLOW METER or equivalent in fit,form & functionality.	Number	1
55	KIT MEASUREMENT AMPLIFIER PW 72, Part # 50103475, Make: ENDRESS + HAUSER for VORTEX FLOW METER or equivalent in fit,form & functionality.	Number	1

Group F

56	MI Cable Pt100 Insert, Ordering Code: RTD-70603-Pt100-420, Make: Thermo Electric, Netherlands or equivalent in fit,form & functionality.	Number	1
57	MI Cable Pt100 Insert, Ordering Code: RTD-70603-Pt100-500, Make: Thermo Electric, Netherlands or equivalent in fit,form & functionality.	Number	1
58	MI Cable Thermocouple Insert, Ordering code: TEE-70602-K-1083, Make: Thermo Electric, Netherlands or equivalent in fit,form & functionality.	Number	1
59	MI Cable Thermocouple Insert, Ordering code: TEE-70602-K-1283, Make: Thermo Electric, Netherlands or equivalent in fit,form & functionality.	Number	1
60	MI Cable Thermocouple Insert, Ordering code: TEE-70602-K-883, Make: Thermo Electric, Netherlands or equivalent in fit,form & functionality.	Number	2

Group G

61	5/2 Internal Pilot Operated Solenoid Valve, Model: 51400-6-2R-B5-S2, 24VDC, Cable Entry: 1/2 NPT, Make: Rotex Automation or equivalent in fit,form & functionality.	Number	1
62	AUXILLARY RELAY 24 VDC 1 SPDT for BURNER MANAGEMENT PANEL, Part # RB121A-24VDC, Make: ABB.or equivalent in fit,form & functionality	Number	2


 10/14/16
AHMED ZIA
 Dy. Chief Engineer (ELECT)
 P&P-N, EXC

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Group G

63	Digital Positioner Model: SVI2 AP-21123111, Make: Masoneilan or equivalent in fit,form & functionality.	Number	3
64	Durag UV scanner with 3 mtr. cable, Part # D-LX100 UL-97Ex, Make: DURAG or equivalent in fit,form & functionality.	Number	1
65	Explosion Proof Digital Valve Positioner, Model: D3EMU-D23PVA-ZSTM, Make: Flowsolve or equivalent in fit,form & functionality.	Number	1
66	LIMIT SWITCH BOX, Part # SXC4200-3-0440, Make: SOLDO Controls or equivalent in fit,form & functionality.	Number	1
67	PRESSURE SWITCH, Part # MAXXUS, Range: 0-160 psi, Make: ETTORE CELLA or equivalent in fit,form & functionality.	Number	1
68	Photo Electric Sensor, P/N: 121161, Make: PEPPERL + FUCHS or equivalent in fit,form & functionality.	Number	1
69	Pilot valve Model: SJE06-P1-32-NU-00-K14, Make: Bifold or equivalent in fit,form & functionality.	Number	2
70	Power supply unit QUINT-PS/1AC/24DC/10, Order No. 2866763, Make: Phoenix Contact or equivalent in fit,form & functionality.	Number	2
71	Power supply unit QUINT-PS/1AC/24DC/20, Order No. 2866776, Make: Phoenix Contact or equivalent in fit,form & functionality.	Number	1
72	Pressure Switch, Model: HS240GEA02F, Pressure: 1.6-10 bar Make: Delta Controls or equivalent in fit,form & functionality.	Number	1
73	Pressure switch, cooling air, Part # W3-P304L-S2N-S1-N1-X1, Make: Beta BV, Netherlands or equivalent in fit,form & functionality.	Number	1
74	RELAY SIL 3 24 Vdc, Part # 1303760000, Make: WEIDMULLER or equivalent in fit,form & functionality.	Number	2
75	Repair kit for solenoid valve model 51400-6-2R-B5-S2, code: 99, Make: Rotex Automation or equivalent in fit,form & functionality.	Number	1
76	SOLENOID VALVE ,Part # Y013AA1H1BS-90, Make: MAXSEAL ICO3S or equivalent in fit,form & functionality.	Number	3
77	Solenoid Valve, Model: SJ06 E1 32 NC 00 77A 24D 30-01, Primary Operator, 1/4" Pneumatic service 10 bar max WP, internal pilot auto reset, 3 way 2 position, Normally closed, Spring return, Make: Bifold or equivalent.	Number	3
78	Solenoid kit for solenoid valve model 51400-6-2R-B5-S2, code: 34, Make: Rotex Automation or equivalent in fit,form & functionality.	Number	1

Note: BIDDING PROCEDURE: SINGLE STAGE TWO ENVELOPE, BID BOND AMOUNT: GROUP-A: USD 872/- GROUP-B: USD 306/- GROUP-C: USD 133/- GROUP-D: USD 197/- GROUP-E: USD 70/- GROUP-F: USD 50/- GROUP-G USD 833/-. BID BONDS CAN BE SUBMITTED IN EQUIVALENT PAK RUPPEES. Master Set of Tender document is available on OGDCL website.


AHMED ZIA
 Dy. Chief Engr (ELECT)
 P&P-N, Ext.

TERMS OF REFERENCE (TOR) FOR INDENT# 10537 (PROC-

)

(SPARE PARTS FOR WASTE HEAT RECOVERY UNIT OF SIEMENS GAS TURBINE (SGT-100) FOR DAKHNI PLANT)

1. Parts must be in original OEM Packing.
2. Parts must be new & free from any defect.
3. If bidder found any change/update/superseded part nos., it should be incorporated in bid with confirmation that offered material is same in fit, form and functionality.
4. Parts must have standard OEM warranty/guarantee.
5. Delivery period shall be 210 days after establishment of LC.
6. In case a different part number is quoted then supporting documentation from OEM must be provided.
7. Bidders quoting Equivalent parts must provide a certificate from at least three E&P companies of foreign jurisdiction other than bidders/manufacturers own country, stating that equivalent (quoted parts) are used by them and performance of such parts is found satisfactory. Copies of Purchase Orders (unpriced) must also be provided. The certificate(s) / sale record is mandatory and due to non-submission thereof, the bid will be rejected.
8. Bidder shall provide authorization letter from OEM/OEM's authorized dealer/package of equipment for all indented items pertaining to a specific group in which bidder is participating except group-G (authorization letter is mandatory for all groups except group-G of miscellaneous items).
9. Bidder should submit the complete compliance of above clauses duly signed and stamped.
10. All other terms and conditions as per master bidding documents are applicable.
11. Evaluation Criteria is group-wise.
12. Bidder may bid for one or more groups.
13. Manufacturer must have more than 15 years of manufacturing experience of same type of items.


AHMED ZIA
DY. Chief Engr. (ELECT)
P&P-N, EXT: