

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

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

ANNEXURE 'A'

**Material** VALVES  
**Tender Enquiry No** PROC-FB/CB/P&P-4747/2020  
**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	Ball Valve, 6"x5", 600#, RF (D2RRC) (DETAILS ATTACHED)	Number	2					
2	Ball Valve, 8", 150#, RF, (A2RFC) (DETAILS ATTACHED)	Number	19					
3	GATE VALVE 8" X 150 A 105 STEM F6AVA4RRC (DETAILS ATTACHED)	Number	2					
4	BALL VALVE 4", 300#, RF (DETAILS ATTACHED)	Number	2					
5	VALVE, BALL, 2", API 6D, CLASS 1500#, FLANGED END RTJ, FULL BORE, TRUNNION MOUNTED, SPLIT BODY, LEVER OPERATED, BODY MAT. FORGED CARBON STEEL A105N, TRIM MAT. BALL, STEM, SEAT RING ASTM A182 F316, SEAT INSERT: PEEK, (DETAILS ATTACHED)	Number	2					
6	VALVE, BALL, 4", API 6D, CLASS 300#, FLANGED END RF, FULL BORE, TRUNNION MOUNTED, SPLIT BODY, GEAR OPERATED, BODY MAT. FORGED CARBON STEEL A105N, TRIM MAT. BALL, STEM, SEAT RING ASTM A182 F316, SEAT INSERT: RPTFE, (DETAILS ATTACHED)	Number	3					
7	VALVE, BALL, 6", API 6D, CLASS 300#, FLANGED END RF, FULL BORE, TRUNNION MOUNTED, SPLIT BODY, GEAR OPERATED, BODY MAT. FORGED CARBON STEEL A105N, TRIM MAT. BALL, STEM, SEAT RING ASTM A182 F316, SEAT INSERT: RPTFE, (DETAILS ATTACHED)	Number	1					
8	VALVE, BALL, 8", API 6D, CLASS 300#, FLANGED END RF, FULL BORE, TRUNNION MOUNTED, SPLIT BODY, GEAR OPERATED, BODY MAT. FORGED CARBON STEEL A105N, TRIM MAT. BALL, STEM, SEAT RING ASTM A182 F316, SEAT INSERT: RPTFE, (DETAILS ATTACHED)	Number	2					
9	VALVE, GLOBE, 2", 900#, RTJ, BODY A-216 GR. WCB/F.C.S A-105N, TRIM 13% CR, BOLTED BONNET OS&Y, RISING STEM, STRAIGHT PATTERN, RENEWABLE PLUG TYPE DISC H/WHEEL OPERATED. 2" IP# IASSY VALVE, GLOBE. (DETAILS ATTACHED)	Number	3					
10	VALVE, BALL, MANUAL "ORBIT", 8"X6", ANSI 600 RF, FIG NO. 1433 MARF, SERIAL NO. 1145968 TO 1146975. IP# IASY BALL VALVES MANUAL (DETAILS ATTACHED)	Number	2					
11	VALVE, BALL, 3", API 6D, CLASS 300#, FLANGED END RF, FULL BORE, TRUNNION MOUNTED, SPLIT BODY, LEVER OPERATED, BODY MAT. FORGED CARBON STEEL A105N, TRIM MAT. BALL, STEM, SEAT RING ASTM A182 F316, SEAT INSERT: RPTFE, (DETAILS ATTACHED)	Number	2					
12	VALVE, BALL 6" - 600 #RF FLG END A 105 (DETAILS ATTACHED)	Number	3					
13	VALVE, BALL, 8", 150 RF IP# IASY VALVES, BALL (DETAILS ATTACHED)	Number	2					
14	VALVE, GATE, 4", 150#, RF, CS, IASSY GATE VALVE (DETAILS ATTACHED) <i>NACE</i>	Number	2					
15	VALVE, GLOBE, 2", 300#, RF, CS, WCB, A-216, ANCE, IASSY GLOBE VALVE (DETAILS ATTACHED)	Number	2					
16	VALVE, GLOBE, 3", 600#, RF, CS, WCB, A-216, (DETAILS ATTACHED)	Number	2					
17	GLOBE VALVE 2", 1500#, RTJ (F4JRC) (DETAILS ATTACHED)	Number	2					
18	BALL VALVE, 8", FULL BORE, RF, 600 #, SA-351 GR. WCB (DETAILS ATTACHED)	Number	6					
19	VALVE, BALL 2" X 1-1/2", 600 RJIP#, IASY VALVES, BALL	Number	2					

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

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

**ANNEXURE 'A'**

**Material** VALVES  
**Tender Enquiry No** PROC-FB/CB/P&P-4747/2020  
**Due Date**  
**Evaluation Criteria** FULL

20	Valve Ball, 2" Class -600 RF Flange API. IP# , IASY Valve, Gate.	Number	6
21	VALVE, BALL, 4", CLASS 600, RTJ, WITH MANUAL GEAR BOX SIDE ENTRY, FLANGE END FULL BORE API 6D TRIM MATERIAL, NACE MR-0175, WITH COMPANION FLANGES SCH-80, A-105 TRUNION MOUNTED MATCH GASKET STUD & NUTS. (DETAILS ATTACHED)	Number	3

**Note:** (1) BID BOND AMOUNT: USD 1,800/- OR EQUIVALENT PAK RUPEES (2) EVALUATION CRITERIA: FULL CONSIGNMENT WISE ON CFR BY SEA KARACHI PAKISTAN BASIS (3) DELIVERY PERIOD IS 60 DAYS FROM DATE OF ESTABLISHMENT OF LETTER OF CREDIT (4) TENDER DOCUMENTS AVAILABLE ON OGDCL'S WEBSITE UNDER TAB "MASTER SET OF FOREIGN TENDER DOCUMENTS (PRESS-SINGLE STAGE TWO ENVELOP) - UPDATED".

  
**Muhammad Ashraf**  
Sr. Tech Officer (Elect)  
Process & Plants Dept OGDCL  
Ext. 2411

(2)

SR No	Sr.No. in Indent SGF-5168	Specification	Description
1	12	D2RFC	Ball Valve, 6", 600#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted or Solid Full Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Hand Wheel, Material (Body): Carbon Steel Forged - ASTM A-105, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
2	17	F4JRC	Globe Valve, 2", 1500#, RTJ, Flanged (ASME-B 16.5), Standard: B.S. 1873, Body: Straight Pattern, Bolted Bonnet and Gland, OS & Y, Trim: Renewable Plug Type Disc, Renewable Seat Ring, Operator: Hand Wheel, Material (Body): Carbon Steel Cast - ASTM A-216, Gr. WCB, Material (Trim): 13 % CR (A-182 GR F6 or AISI 410, 416) HF Seats, Gland Packing: Reinforced Graphite Asbestos, Bonnet Gasket: Soft Iron RTJ, Temp Limitations: (-29 Deg C to 350 Deg C)
3	16	D4RRL	Globe Valve, 3", 600#, RF, Flanged (ASME-B 16.5), Standard: B.S. 1873, Body: Straight Pattern, Bolted Bonnet and Gland, OS & Y, Trim: Renewable Plug Type Disc, Renewable Seat Ring, Operator: Hand Wheel, Material (Body): Carbon Steel Low Temp Cast ASTM A-352 Gr. LCB, Material (Trim): Stainless Steel Type 316. Hard Faced Seats, Gland Packing: Reinforced Graphite Asbestos, Bonnet Gasket: Spiral Wound S. Stl / Soft Iron RTJ, Temp Limitations: (-46 Deg C to 200 Deg C)
4	5	F2JFS	Ball Valve, 2", 1500#, RTJ, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Full Bore, Trim: Floating Ball or Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Level, Material (Body): Stainless Steel ASTM A-351 CFBM, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-100 Deg C to 150 Deg C)
5	18	D2RFC	Ball Valve, 8", 600#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted or Solid Full Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Hand Wheel, Material (Body): Carbon Steel Forged - ASTM A-105, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
6	1	D2RRC	Ball Valve, 6"x5", 600#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Hand Wheel, Material (Body): Carbon Steel Forged - ASTM A-105 or Cast - ASTM A-216, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, Trunion & Stem: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
7	13	A2RRL	Ball Valve, 8" Long Pattern (ASME B-16.10), 150#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to BS 6755 / API.607/ API 6FA, Operator: Lever, Material (Body): Carbon Steel Low Temp Forged - ASTM A-350, Gr. LF2 or Cast ASTM A-352 Gr. LCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 ASTM A-350, Gr. LF2 .003" ENP or Cast ASTM A-352 Gr. LCB, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-46 Deg C to 150 Deg C)
8	20	D2RRC	Ball Valve, 2", 600#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Hand Wheel, Material (Body): Carbon Steel Forged - ASTM A-105 or Cast - ASTM A-216, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, Trunion & Stem: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
9	19	D2RRC	Ball Valve, 2" x 1.5", 600#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Hand Wheel, Material (Body): Carbon Steel Forged - ASTM A-105 or Cast - ASTM A-216, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, Trunion & Stem: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
10	7	B2RFC	Ball Valve, 6", 300#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Full Bore, Trim: Floating Ball or Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Lever, Material (Body): Carbon Steel Forged - ASTM A-105, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
11	4	B2RRC	Ball Valve, 4", 300#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Floating Ball or Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Lever, Material (Body): Carbon Steel Forged - ASTM A-105, Gr. WCB or Cast - ASTM A-216, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
12	15	B4RRC	Globe Valve, 2", 300#, RF, Flanged (ASME-B 16.5), Standard: B.S. 1873, Body: Straight Pattern, Bolted Bonnet and Gland, OS & Y, Trim: Renewable Plug Type Disc, Renewable Seat Ring, Operator: Hand Wheel, Material (Body): Carbon Steel Cast - ASTM A-216, Gr. WCB, Material (Trim): 13 % CR (A-182 GR F6 or AISI 410, 416) HF Seats, Gland Packing: Reinforced Graphite Asbestos, Bonnet Gasket: Spiral Wound S. Stl, Temp Limitations: (-29 Deg C to 350 Deg C)

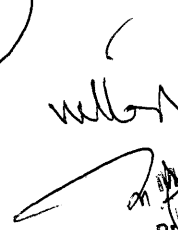
3

well  
 Muhammad Ashraf  
 Sr. Tech Officer (Elect)  
 Process & Plants  
 Ext. ....

Zah

13	11	B2RRC	Ball Valve, 3", 300#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Floating Ball or Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Lever, Material (Body): Carbon Steel Forged - ASTM A-105, Gr. WCB or Cast - ASTM A-216, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
14	6	B2RRC	Ball Valve, 4", 300#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Floating Ball or Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Lever, Material (Body): Carbon Steel Forged - ASTM A-105, Gr. WCB or Cast - ASTM A-216, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
15	3	A1RRC	Gate Valve, 8", 150#, RF, Flanged (ASME-B 16.5), Standard: B.S. 1414 / API 600, Body: Bolted Bonnet and Gland, OS & Y, Trim: Flexible Wedge and Renewable Seats, Operator: Hand Wheel, Material (Body): Carbon Steel Cast - ASTM A-216, Gr. WCB, Material (Trim): 13 % CR (A-182 GR F6 or AISI 410, 416) HF Seats, Gland Packing: Reinforced Graphite Asbestos, Bonnet Gasket: Spiral Wound S. Stl, Temp Limitations: (-29 Deg C to 350 Deg C)
16	14	A1RRC	Gate Valve, 4", 150#, RF, Flanged (ASME-B 16.5), Standard: B.S. 1414 / API 600, Body: Bolted Bonnet and Gland, OS & Y, Trim: Flexible Wedge and Renewable Seats, Operator: Hand Wheel, Material (Body): Carbon Steel Cast - ASTM A-216, Gr. WCB, Material (Trim): 13 % CR (A-182 GR F6 or AISI 410, 416) HF Seats, Gland Packing: Reinforced Graphite Asbestos, Bonnet Gasket: Spiral Wound S. Stl, Temp Limitations: (-29 Deg C to 350 Deg C)
17	21	D2RRC	Ball Valve, 4", 600#, RTJ, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Hand Wheel, Material (Body): Carbon Steel Forged - ASTM A-105 or Cast - ASTM A-216, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, Trunion & Stem: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
18	10	D2RRC	Ball Valve, 8" X 6", 600#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Reduced Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Hand Wheel, Material (Body): Carbon Steel Forged - ASTM A-105 or Cast - ASTM A-216, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, Trunion & Stem: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
19	9	E4JRC	Globe Valve, 2", 900#, RTJ, Flanged (ASME-B 16.5), Standard: B.S. 1873, Body: Straight Pattern, Bolted Bonnet and Gland, OS & Y, Trim: Renewable Plug Type Disc, Renewable Seat Ring, Operator: Hand Wheel, Material (Body): Carbon Steel Cast - ASTM A-216, Gr. WCB, Material (Trim): 13 % CR (A-182 GR F6 or AISI 410, 416) HF Seats, Gland Packing: Reinforced Graphite Asbestos, Bonnet Gasket: Spiral Wound S. Stl, Temp Limitations: (-29 Deg C to 350 Deg C)
20	2	A2RFC	Ball Valve, 8", 150#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted, Full Bore, Trim: Floating Ball or Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Lever, Material (Body): Carbon Steel Forged - ASTM A-105, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)
21	8	B2RFC	Ball Valve, 8", 300#, RF, Flanged (ASME-B 16.5), Standard: B.S. 5351 / API 6D, Body: Bolted or Solid Full Bore, Trim: Trunion Mounted, Anti static Blowout Proof Stem Fire safe to B.S. 6755 / API.607/ API 6FA, Operator: Hand Wheel, Material (Body): Carbon Steel Forged - ASTM A-105, Gr. WCB, Material (Trim): Ball, Stem, Seat Holder, and Trunion: SS 316 or CS with .003" ENP, Seats: Nylon or Reinforced PTFE, Gland Packing: Manufacturer Standard, Bonnet Gasket: Manufacturer Standard, Temp Limitations: (-29 Deg C to 150 Deg C)

(4)

  
 Muhammad Ashrat  
 Sr. Tech Specialist (Elect)  
 Process Engineer Dept OGDCL  
 Ext. 427

*Handwritten signature*

**TERMS OF REFERENCE (TOR)****SUPPLY OF VALVES FOR SINJHORO PLANT**

1. The bidder must be authorized agent of OEM of valves.
2. The OEM must have 20 years of experience in manufacturing of valves. Bidder to confirm the manufacturer company profile, experience (Verifiable list (supported by documentation such as purchase orders) must be provided for the supply of quoted group besides unpriced copy of contract, purchase order with name and full contact details to be provided in technical bid.
3. Bidder should strictly adhere to the specifications mentioned in the SOR of valves.
4. Valves data sheets should be provided with the technical bid otherwise bid will not be further evaluated. Also Confirm the valve material must comply the requirement.
5. All valves supplied must be newly manufactured. Separate letter must be provided with the statement "All the supplied items are Brand New and Free from Defect, if any material found refurbished will be replaced within 10 days of inspection".
6. The Valve manufacturer should have a valid API certification for the design, manufacturing/inspection standards. Validation of certification in progress is not acceptable.
7. Valve Manufacturer must provide copy of the valid API certificate.
8. OGDCL may arrange 3rd party pre shipment inspection of purchase order on OGDCL cost. Bidder will provide access & make all arrangement to facilitate the third party inspector to complete the inspection.
9. Delivery Period: 60 days from establishment of L/C.
10. Bidder must confirm the complete compliance of above clauses of TOR and OGDCL Tender documents otherwise bid will not be evaluated.
11. All the technical and other terms & conditions mentioned here should be clearly confirmed in the technical bid.

5

MAHMOOD ALI  
Dy. Chief Engr. (Mech.)  
Process & Plant Dept. O.G.  
Ext: 2739

Muhammad Asbrat  
Sr. Tech Officer (Elect)  
Process & Plant  
Ext: 2739