

**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** PIPE FITTINGS  
**Tender Enquiry No** PROC-FB/CB/PROD-3216/2017  
**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 SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
<b>Group A</b>								
1	PIPE SS DUPLEX SEAMLESS 6", SCH 80, BE, A-790, GR. UNS S31803 22CR,NACE COMPLIANCE, DRL. PSL-2	Meter	180					
2	PIPE DUPLEX SS SEAMLESS 4", SCH 80S, BE, A-790, GR. UNS S31803, B36.19	Meter	180					
3	PIPE DUPLEX SS SEAMLESS 2", SCH 80S, BE, A-790, GR. UNS S31803, B36.19	Meter	24					
4	PIPE CS SEAMLESS 6", SCH 160, BE, A-106, GR. B	Meter	360					
5	PIPE CS SEAMLESS 2", SCH 160, BE, A-106, GR. B	Meter	48					
<b>Group B</b>								
6	FLANGE 3 1/8", 5K, RTJ, WN, Sch-80S, Duplex SS, ASTM A-182 Grade F51, Dimensions as per ANSI B 36.10	Number	20					
7	FLANGE 4 1/16", 5K, RTJ, WN, Sch-80S, Duplex SS, ASTM A-182 Grade F51, Dimensions as per ANSI B 36.10	Number	4					
8	Flange 2", 2500 #, RTJ, WN, Sch-80S, Duplex SS, ASTM A-182 Grade F51, Dimensions as per ANSI B 36.10	Number	14					
9	Conc. Reducer, 6" X 3", SCH-80S, Duplex, SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10, B.W.	Number	24					
10	Conc. Reducer, 6" X 4", Sch-80S, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10, B.W.	Number	20					
11	Equal Tee 6", Sch-80S, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10, B.W.	Number	12					
12	Tee 6" X 4", Sch-80S, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10, B.W.	Number	20					
13	Equal Tee 4", Sch-80S, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10, B.W.	Number	24					
14	Elbow 4", 90Deg, Sch-80S, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10, L.R, B.W.	Number	40					
15	Elbow 6", 90Deg, Sch-80S, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10, L.R, B.W.	Number	30					
16	Thredolet 1/2" (NPT) on 6", 6000 psig, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10	Number	30					
17	Thredolet 1" (NPT) on 6", 6000 psig, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10	Number	15					
18	Weldolet 2" on 6", Sch-80, Duplex SS ASTM A 815 UNS S31803, Dimensions as per ANSI B 36.10, 6000 #.	Number	12					
19	Pipe Nipple 1/2"x 6" Long, Sch-80S, NPT x NPT, Duplex SS ASTM A790 UNS S31803, Dimensions as per ANSI B 36.10	Number	30					
20	Pipe Nipple 1"x 6" Long, Sch-80, NPT x NPT, Duplex SS ASTM A790 UNS S31803, Dimensions as per ANSI B 36.10	Number	10					
21	Flange 6", 2500 #, RTJ, WN, Sch-160, ASTM A105, Dimensions as per ANSI B 36.10	Number	12					
22	Flange 6", 2500 #, RTJ, WN, Sch-80, ASTM A105, Dimensions as per ANSI B 36.10	Number	12					
23	Weldolet 2" on 6", Sch-160, 6000 #, ASTM A106, Gr-B, Dimensions as per ANSI B 36.10	Number	22					

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**Group B**

24	Weldolet 2" on 6", Sch-80, 6000 #, ASTM A106 Gr-B, Dimensions as per ANSI B 36.10	Number	48
25	Threadolet 1/2" on 6", Sch-160, 6000 #, ASTM A106 Gr-B, Dimensions as per ANSI B 36.10	Number	48
26	Threadolet 1" on 6", Sch-160, ASTM A106 Gr-B, Dimensions as per ANSI B 36.10	Number	40
27	FLANGE 6", WN, RTJ, 2500 #, SCH 80S, DUPLEX SS, A-182, F-51	Number	66
28	FLANGE 4", WN, RTJ, 2500 #, SCH 80S, DUPLEX SS, A-182, F51.	Number	70
29	FLANGE CS ORIFICE 6", RTJ, 900 #, SCH 160, A-105.	Number	22
30	FLANGE 6", CS, WN, RTJ, 900 #, SCH 160, A-105, B16.5	Number	50
31	FLANGE 4", CS, WN, RTJ, 900 #, SCH 80, A-105, B16.5.	Number	50
32	TEE REDUCING 6" X 4", CS, SCH 160, A-234, GR. WPB, BW	Number	14
33	TEE EQUAL 6", CS, SCH 80, A-234, GR. WPB, BW	Number	20
34	FLANGE 6", WN, RTJ, 900 #, SCH 80, A-105	Number	50
35	ELBOW 4", 90°, SCH. 80, LR, BW, CS ASTM A-234 GR WPB,	Number	50
36	ELBOW 2", 90°, SCH. 160, LR, BW, CS ASTM A-234 GR WPB	Number	30

**Group C**

37	Monolithic Insulation Joint 4", 900#, Sch-80, API- 5L X52, PSL-2, Dimensions as per ANSI B 36.10, As per Data Sheet Attached.	Number	50
38	JOINT INSULATING MONOLITHIC 6". CL-900, SCH-80, API 5LX52, DESIGN CODE: ANSI B31.8, AS PER ATTACHED DATA SHEET.	Number	40

**Group D**

39	STUD BOLT WITH NUTS M39 X 265 MM. A-193, GR.B7, A-194 GR-2H. CADMIUM PLATED	Number	560
40	STUD BOLT WITH 2 NUTS M30 X 195 MM, ASTM A193 GR. B7, ASTM A194 GR. 2H, CADMIUM PLATED	Number	1800
41	STUD BOLT WITH 2 NUTS M30 X 175 MM, ASTM A193 GR.B7, ASTM A194 GR.2H, CADMIUM PLATED.	Number	350
42	STUD BOLT WITH NUTS M52 X 355 MM, ASTM A193 GR B7M ASTN A-194 GR 2H, CADMIUM PLATED.	Number	624
43	STUD BOLT WITH NUTS M27 X 180 MM, ASTM A193 GR B7M ASTN A-194 GR 2H, CADMIUM PLATED.	Number	112
44	STUD BOLTS WITH 2 HEX NUTS, M24 X 145MM LONG (CADMIUM PLATED), ASTM A 193-B7/A-194-2H.	Number	320

**Note:** PURSUANT TO TENDER CLAUSE#2.2, 11.4, 13 & 35.3.2, BID BOND AMOUNTING TO USD 1,800/- FOR GROUP-A, USD 2,800/- FOR GROUP-B, USD 2,800/- for GROUP-C & USD 600/- for GROUP-D OR EQUIVALENT TO PAK RUPEES MUST BE SUBMITTED WITH THE TECHNICAL BID AND VALID FOR 150 DAYS FROM THE DATE OF OPENNING OF THE BID



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	<b>Data Sheet for Insulating Joint</b>		<b>Client:</b> OGDCL	<b>Job No</b> 10856
			<b>Item</b> Insulating Joint	<b>Doc No</b>

1	Operating Process Data			Compliance
2	<b>Fluid</b>	HC Gas		
3	<b>Pressure (psig)</b>	1600		
4	<b>Temperature (°F)</b>	Min 100	Normal 160	Max 200
5	<b>Design Data</b>		<b>Construction</b>	
6	<b>Pressure Design (psig)</b>	2250	<b>Type</b>	Monolithic
7	<b>Temperature (°F)</b>	- 20 to 180	<b>Seal Gasket</b>	To NACE MR-0175
8	<b>Design Code</b>	ASME B 31.8		
9	<b>Design Life</b>	25 years		
10	<b>Location</b>	Above Ground at Wellhead Area and Plant area		
11	<b>Quantity</b>	10 Nos.		
12	<b>Size</b>	4" and 6" sch-80		
13	<b>ASME Rating</b>	CL 900		
14	<b>End Connections</b>	BW/BW to ANSI B 16.25		
15	<b>Corr'n Allowance (mm)</b>	3		
16	<b>Material</b>	API 5L X 52 ( PSL 1), NACE- MR-0175		
17	<b>Accessories</b>	Studs/Bolts to be provided on both sides along with surge arrestor		
18	<b>Inspection and Testing</b>			
19	<b>Material Tests</b>	Required : HIC, Tensile, Charpy, Drop wear & Hardness Test		
20	<b>Hydrostatic Tests</b>	Required @ 1.5 x design pressure for a hold time of 24 hours		
21	<b>Electrical Tests</b>	Required : Dielectric Strength and Electrical Resistance		
22	<b>Surface Treatment</b>	Bidders to provide detail		
23	<b>External</b>	2 Part Epoxy 350 microns		
24	<b>Internal</b>	2 Part Epoxy 350 microns		
25	<b>Remarks</b>	Quality Certificates shall be attached with the bid of the manufacturer.		
26	<b>Delivery Time</b>	As per SOR.		
27	<b>Drawing</b>	Bidder to submit the drawing for technical evaluation		
28	<b>Supply Record</b>	Bidder to submit detail 05 yrs. In his technical proposal for evaluation. Supply record of the same type of material comprising of name of customer, cost of contract, material specification		
29	<b>NACE Certificates</b>	Bidder has to confirm provision of NACE MR0175 certificates of the insulating joints at the time of delivery in its technical proposals.		
30	<b>Third Party Inspection</b>	As per perms and conditions.		

*Vetted*  
  
 M. H. SARFRAZ  
 DCE (Mech.) PE & FD  
 Ext: 2877

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**TERMS AND CONDITIONS:**

Sr. #	OGDCL REQUIREMENTS	Bidders compliance
1.	Pre-shipment Third Party Inspection (TPI) be carried out prior to delivery at the cost of OGDCL by OGDCL appointed TPI firm as per attached "Scope of Work".	
2	TPI reports shall be submitted 02-03 weeks prior to shipment of the material.	
3	Provision of MTC's of all the quoted material at the time of delivery and Heat Nos. should be marked clearly on each item w.r.t. the MTC's for verification at the time of inspection.	
4	All the dimensions of all the items shall be in accordance to ASME code.	
5	All the material shall be free from dents, scaling and pitting etc.	
6	Manufacturer name and origin of manufacturer with addresses of the quoted material. Also, provide website address of the manufacturer.	
7	Manufacturer must have the last 05 years supply experience of the same type of material which is being quoted.	
8	Provision the technical literature and drawings of all the materials of the corresponding manufacturer w.r.t. the quoted material have to be provided along with technical proposal for technical evaluation and confirmation of technical specs.	
11	Required Delivery Period is <u>120</u> days C&F Karachi. Failure to comply will lead rejection of bid.	

*Noted*  
  
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**Scope of Work for**  
**Pre-shipment Third Party Inspection**

The Third party scope shall consist of following tasks as minimum.

1. Confirmation of material specifications as per corresponding API/ASTM/ANSI standards of the related material from MTC's.
2. Confirmation of Heat Nos. marking and identification no marking on the related material as per provided MTC's. TPI ensures that that these nos should be clearly readable on each item.
3. In Visual inspection, material should be free from scaling, dents, pitting etc. especial at the beveled ends of each item.
4. All the specifications should be clearly marked on each item and shall be readable.
5. Confirmation of dimensions according to corresponding API/ASME/ANSI code/standard.
6. Confirmation of product compliance to NACE and NACE MR 0175 stamp/tagging on the product. NACE MR 0175 certificate for each item as per SOR to be verified accordingly.

*Verified*

  
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