



OIL AND GAS DEVELOPMENT COMPANY LIMITED

NASHPA OIL & GAS FIELD

SCHEDULE OF REQUIREMENT

TENDER ENQUIRY # TE/NOF/M/08/2021

Procurement of Valves, Fittings & Piping Material at Nashpa Plant

Sr. No.	Description	Unit	Qty
GROUP A: Pipe Fittings			
1	Concentric Reducer 10"x8" Sch 80 ASME B16.9, Beveled Ends, ASTM A234 Gr. WPB	nos.	2
2	Elbow 2-1/2" Sch 80 ASME B16.9, Beveled Ends, ASTM A234 Gr. WP	nos.	6
3	Elbow 3" Sch 80 ASME B16.9, Beveled Ends, ASTM A234 Gr. WPB	nos.	25
4	Equal Tee 2-1/2" Sch 80 ASME B16.9, Beveled Ends, ASTM A234 Gr. WPB	nos.	1
5	Equal Tee 3" Sch 80ASME B16.9, Beveled Ends, ASTM A234 Gr. WPB	nos.	1
6	Pipe Nipple 3/4" Sch 160 CARBON STEEL, ASTM A106 Gr. B, SMLS ASME B36.10M	nos.	2
7	Reducing Tee 6"x2" Sch 80 ASME B16.9, Beveled Ends, ASTM A234 Gr. WPB	nos.	1
8	Sockolet 3/4" ASME B16.11 S.W Class 6000, ASTM A 105	nos.	1
9	End Blind 2" ASME B16.5 Class 600 Raised Face, ASTM A 105	nos.	5
10	End Blind 2x1/2" ASME B16.5 Class 300 Raised Face, ASTM A 105	nos.	2
11	End Blind 4" ASME B16.5 Class 600 Raised Face, ASTM A 105	nos.	1
12	End Blind 4" ASME B16.5 Class 1500 RTJ, ASTM A 105	nos.	1
13	End Blind 6" ASME B16.5 Class 600 Raised Face, ASTM A 105	nos.	1
14	End Blind 6" ASME B16.5 Class 600 RTJ, ASTM A 105	nos.	2
15	End Blind 8" ASME B16.5 Class 600 RTJ, ASTM A 105	nos.	1
16	Flange 3/4" Socket Weld ASME B16.5 Class 600 Raised Face, ASTM A 105	nos.	2
17	Flange 1" Weld Neck ASME B16.5 Class 600 Raised Face, ASTM A 105	nos.	2
18	Flange 2" Weld Neck ASME B16.5 Class 600 Raised Face, ASTM A 105	nos.	4
19	Flange 3" Weld Neck Sch 80 ASME B16.5 Class 150 Raised Face, ASTM A 105	nos.	4
20	Flange 4" Weld Neck Sch 80 ASME B16.5 Class 600 Raised Face, ASTM A 105	nos.	2
21	Y-Type Strainer 1" 600# Mesh Size: 16	nos.	1
22	Y-Type Strainer 4" 600# Mesh Size: 40	nos.	1
GROUP B: Gaskets and Fasteners			
23	Gasket SW 3/4" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	2
24	Gasket SW 1" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	4

Sr. No.	Description	Unit	Qty
25	Gasket SW 2" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	36
26	Gasket SW 2-1/2" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	2
27	Gasket SW 3" 150# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	3
28	Gasket SW 3" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	8
29	Gasket SW 4" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	4
30	Gasket SW 6" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	5
31	Gasket SW 8" 300# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	4
32	Gasket SW 8" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	8
33	Gasket SW 10" 600# 4.45mm THK.SPIRALWOUND SS304 RING SS304 WINDING, FLEXIBLE GRAPHITE ASME B16.20	nos.	6
34	OVAL RING No. 31, SOFT IRON, MAX BHN 90 ASME B16.20	nos.	2
35	OVAL RING No. 39, SOFT IRON, MAX BHN 90 ASME B16.20	nos.	1
36	OVAL RING No. 45, SOFT IRON, MAX BHN 90 ASME B16.20	nos.	2
37	OVAL RING No. 49, SOFT IRON, MAX BHN 90 ASME B16.20	nos.	1
38	OVAL RING No. 53, SOFT IRON, MAX BHN 90 ASME B16.20	nos.	4
39	3/4" x 130 mm STUDS : ASTM A193 Gr. B7, Hot Dip Galvanized plated NUTS : ASTM A194 Gr. 2H, Heavy Hex, Hot Dip Galvanized plated	nos.	48
40	5/8" x 100 mm STUDS : ASTM A193 Gr. B7, Hot Dip Galvanized plated NUTS : ASTM A194 Gr. 2H, Heavy Hex, Hot Dip Galvanized plated	nos.	36
41	5/8" x 110 mm STUDS : ASTM A193 Gr. B7, Hot Dip Galvanized plated NUTS : ASTM A194 Gr. 2H, Heavy Hex, Hot Dip Galvanized plated	nos.	24
42	7/8" x 150 mm STUDS : ASTM A193 Gr. B7, Hot Dip Galvanized plated NUTS : ASTM A194 Gr. 2H, Heavy Hex, Hot Dip Galvanized plated	nos.	16
43	1-1/4" x 260 mm STUDS : ASTM A193 Gr. B7, Hot Dip Galvanized plated NUTS : ASTM A194 Gr. 2H, Heavy Hex, Hot Dip Galvanized plated	nos.	96
44	1-1/8" x 250 mm STUDS : ASTM A193 Gr. B7, Hot Dip Galvanized plated NUTS : ASTM A194 Gr. 2H, Heavy Hex, Hot Dip Galvanized plated	nos.	36
GROUP C: Valves			
45	Ball Valve 3/4" Rating: Class 600 (1480 psig @ 100Deg. F –1295 psig @ 350 Deg. F) Ends: Raised face flange Style: Bolted body, replaceable seats, regular port, floating ball. Materials: A105 / A216 WCB Body: ASTM A105N Bolting: Hot Dip Galvanized plated Stem: Type SS316 Seal: Filled Teflon. Seats: Filled Teflon Ball: Type SS316 Dimensions: Mfr. Std. Design and Test: API 6D	nos.	1
46	Ball Valve 1" Rating: Class 600(1440 psig @ -150Deg. F – 1035 psig @ 350 Deg. F) Ends: Raised face flange Style: Bolted body, replaceable seats, regular port, floating ball. Materials: Body: Type SS316 Ball: Type SS316 Stem: Type SS316 Seal: Mfr. Std. Seats: Mfr. Std. Dimensions: Mfr. Std. Design and Test: API 6D	nos.	1

Sr. No.	Description	Unit	Qty
47	Ball Valve 2" Rating: Class 600 (1480 psig @ 100Deg. F – 1295 psig @ 350 Deg. F) Ends: Raised face flange. Style: Bolted body, replaceable seats, regular port, trunnion mounted ball over 4 inch. Operator: 50mm to 80mm Level, 100mm to 600mm Bevel gear Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Stem: Type SS316 Seal: PTFE Seats: PTFE Ball: Type SS 316 Design and Test: API 6D	nos.	2
48	Ball Valve 3" Rating: Class 150 (285 psig @ 100Deg. F – 215 psig @ 350 Deg. F) Ends: Raised face flange. Style: Bolted body, replaceable seats, regular port, trunnion mounted ball over 4 inch. Operator: 50mm to 100mm Level, 150mm to 600mm Bevel gear Materials: Body: ASTM A 216 Gr. WCB Bolting: Hot Dip Galvanized plated Stem: Type SS316 Seal: PTFE Seats: PTFE Ball: Type SS316 Design and Test: API 6D	nos.	1
49	Ball Valve 3" Rating: Class 600 (1480 psig @ 100Deg. F – 1295 psig @ 350 Deg. F) Ends: Raised face flange. Style: Bolted body, replaceable seats, regular port, trunnion mounted ball over 4 inch. Operator: 50mm to 80mm Level, 100mm to 600mm Bevel gear Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Stem: Type SS316 Seal: PTFE Seats: PTFE Ball: Type SS316 Design and Test: API 6D	nos.	1
50	Ball Valve 6" Rating: Class 600 (1480 psig @ 100Deg. F – 1295 psig @ 350 Deg. F) Ends: Raised face flange. Style: Bolted body, replaceable seats, regular port, trunnion mounted ball over 4 inch. Operator: 50mm to 80mm Level, 100mm to 600mm Bevel gear Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Stem: 13% Cr. S.S. Seal: PTFE Seats: PTFE Ball: A105N Chrome Plated Steel Design and Test: API 6D	nos.	1
51	Gate valve 2" with stem protector. Rating: Class 600 Ends: Raised face flange. Style: OS&Y, bolted bonnet, bolted gland, 50mm Solid Wedge, 80mm to 600mm Flexible Wedge), replaceable seats. Operator: 50mm to 150mm Handwheel, 200mm to 600mm Bevel gear Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Stem: Type SS316 Packing: Mfr. Std. Seats: Hard Faced Type 13% Cr Design and Test: API Std. 600	nos.	10
52	Gate valve 3" with stem protector. Rating: Class 600 Ends: Raised face flange. Style: OS&Y, bolted bonnet, bolted gland, 50mm Solid Wedge, 80mm to 600mm Flexible Wedge), replaceable seats. Operator: 50mm to 150mm Handwheel, 200mm to 600mm Bevel gear Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Stem: Type SS316 Packing: Mfr. Std. Seats: Hard Faced Type 13% Cr Design and Test: API Std. 600	nos.	3
53	Gate valve 8" with stem protector. Qty: 01 Rating: Class 300 Ends: Raised face flange. Style: OS&Y, bolted bonnet, bolted gland, 50mm Solid Wedge, 80mm to 600mm Flexible Wedge, replaceable seats. Operator: 50mm to 250mm Handwheel, 300mm to 600mm Bevel gear Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Stem: 13% Cr. S.S. Packing: Mfr. Std. Seats: Hard Faced 13% Cr. S.S. Design and Test: API Std. 600	nos.	1
54	Globe valve 2" with stem protector. Rating: Class 600 Ends: Raised face flange. Style: OS&Y, bolted bonnet, Rising Stem, Straight Pattern, replaceable seats. Operator: 50mm to 150mm Handwheel, 200mm to 600mm Bevel gear Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Stem: Type SS316 Packing: Mfr. Std. Seats: Hard Faced Type 13% Cr Design and Test: ASME B16.34	nos.	2

Sr. No.	Description	Unit	Qty
55	Check Valve 3" Rating: Class 900 Ends: RTJ Style: Bolted bonnet, piston type, replaceable seats Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Seats: Hard Faced Type SS316 Seal: Mfr. Std. Piston: Type SS316 13% Cr Design and Test: ASME B16.34	nos.	1
56	NRV 3" Rating: Class 300 Ends: Raised face flange Style: Bolted bonnet, , piston type, replaceable seats Materials: Body: ASTM A216 Gr. WCB Bolting: Hot Dip Galvanized plated Seats: Hard Faced Type SS316 Seal: Mfr. Std. Piston: Type SS316 Design and Test: ASME B16.34	nos.	1

FORMAT OF FINANCIAL BID:

Following is the format for quoting rates of the required items:

S#	Description	Reference #	Rate	Total rate (inclusive of all Taxes)	Deviation
(GROUP NAME)					
1	(According to the items mentioned in the above table)				

TERMS AND CONDITIONS:

1. Bid submission: Single Envelope basis
2. Evaluation Criteria: Group Wise (a bidder has to quote all items in a group otherwise the bid will not be considered for that particular group in which all items are not quoted).
3. The material will be delivered at Nashpa Oil Field. The delivery charges to Nashpa Oil Field to be borne by the supplier/ bidder.
4. MTC of the material along with valid heat number must be provided.
5. Any required technical clarification/detail regarding material to be supplied must be cleared before submission of bid. No change in submitted bid will be entertained after bid submission date.
6. Gaskets of Flexitallic or equivalent brand must be quoted
7. Technical & Financial evaluation will be made on the complete scope of supply.
8. The material must be supplied within 04 weeks from the date of PO placement.
9. Certificate of Origin to be provided by vendor at the time of delivery.
10. Material will be accepted after final inspection at site, and payment will be made through Cross cheque thereof.
11. The firm should have valid NTN and GST number and have active status on FBR website.
12. The Firm should have active Professional tax certificate of concerned Excise office where operating business and same to be submitted along with the bid.

13. Tax submission Certificate (Annex-C, submitted status) should be provided along with Invoice.
14. The manufacturer quoted by the bidder should have 10 years of manufacturing experience for Groups A and 20 years of experience for Group B & C.