

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 3-1/8 INCH X-MASS TREE ASSEMBLY, TUBING HEAD SPOOL & ASSEMBLIES
Tender Enquiry No PROC-FB/CB/PROD-3269/2018
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	TUBING HEAD SPOOL ASSY. BOTTOM FLANGE SIZE 11" 5000 PSI WP AND TOP FLANGE 11" 5000 PSI WP. ALL MATERIAL TO BE AS PER API 6A LATEST EDITION. PSL-3, PR-2. TEMP CLASS 'X' MATERIAL CLASS EE-NL. FOR DETAILS SEE ATTACHED SPECIFICATIONS SHEETS.	Sets	23					
2	CHRISTMAS TREE ASSY, 3-1/8". 5000 PSI WP. ALL MATERIAL TO BE AS PER API 6A LATEST EDITION PSL-3, PR-2 TEMPERATURE CLASS 'X', MATERIAL CLASS 'EE-NL'. FOR DETAILS SEE ATTACHED SPECIFICATIONS SHEETS.	Sets	20					

Note:

- 1) PURSUANT TO TENDER CLAUSE # 2.2, 11.4, 13 & 35.3.2, BID BOND AMOUNTING TO USD 30,000/- OR EQUIVALENT TO PAK RUPEES MUST BE SUBMITTED WITH THE TECHNICAL BID AND VALID FOR 150 DAYS FROM THE DATE OF OPENING OF THE BID.
- 2) EVALUATION CRITERIA: FULL CONSIGNMENT WISE ON CFR BY SEA KARACHI BASIS.
- 3) TERMS AND CONDITIONS: BIDDERS ARE ADVISED TO CAREFULLY READ ALL THE TERMS AND CONDITIONS OF THE TENDER DOCUMENT AVAILABLE AT OGDCL WEBSITE IN THE MASTER TENDER DOCUMENT.
- 4) SHIPMENT FROM ACU MEMBER COUNTRIES: IN CASE OF SHIPMENT FROM ACU MEMBER COUNTRIES, THE LC BENEFICIARY SHOULD BE OF THAT PARTICULAR COUNTRY FROM WHERE THE CONSIGNMENT IS BEING SHIPPED. BIDDER TO CONFIRM/ENSURE THAT THERE ARE NO TRADE BAN/RESTRICATIONS ON LC BENEFICIARY/MANUFACTURER'S COUNTRY BY PAKISTAN / INTERNATIONAL ORGANIZATION.
- 5) SUMMARY REJECTION CRITERIA: THE SUMMARY REJECTION CRITERIA AT CLAUSE 35 OF THE TENDER DOCUMENT MAY ALSO BE EXAMINED CAREFULLY. ANY BID NOT MEETING THE CRITERIA SPELLED IN THE CLAUSE # 35 SHALL BE SUMMARILY REJECTED WITHOUT ANY RIGHT OF APPEAL.
- 6) DELIVERY PERIOD: THE LEAD TIME OF THE QUOTED PRODUCT SHOULD NOT BE MORE THAN SIX (06) MONTHS ON CFR BY SEA KARACHI BASIS FOR FOREIGN BIDDERS AND ON F.O.R. I-9 STORE ISLAMABAD OR KORANGI BASE STORE KARACHI BASIS FOR LOCAL MANUFACTURER/BIDDER AFTER OPENING OF LETTER OF CREDIT (LC).

Noted



**OIL & GAS DEVELOPMENT COMPANY LIMITED
ISLAMABAD**

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FOREIGN PROCUREMENT PAYMENT TERMS (COMPETITIVE BIDDING, PREQUALIFICATION AND PROPRIETARY MODE OF PROCUREMENT).

Clause No: 4 of Section-III (Part-B) i.e. Conditions of Contract "Special" of Tender Document has been amended as follows:

Following payments methods have been approved for Competitive Bidding/Press Tender, Prequalification and Proprietary mode of procurement effective from February 27, 2018.

i. Tender value less than or equal to US\$ 200,000:

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 70 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 30% Payment will be released after receipt, inspection and acceptance of material.

ii. Tender value more than US\$ 200,000:

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 80 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 20% Payment will be released after receipt, inspection (in addition of pre-shipment inspection) and acceptance of material.

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DETAILED SPECIFICATIONS SHEETS OF 3-1/8 INCH 5K X-MASS TREES INDENT

TUBING HEAD SPOOLS SIZE 11" 5K x 11" 5K WP AND X-MASS TREE ASSEMBLIES SIZE 3-1/8" 5K PSI WP. ALL MATERIAL TO BE AS PER API 6A LATEST EDITION, PSL-3, PR-2, TEMPERATURE CLASS 'X' MATERIAL CLASS 'EE-NL' IN COMPLIANCE WITH NACE MR-0175/ISO 15156

Sr. No	DESCRIPTION	QTY	UOM	Cost in US \$	REMARKS
1	Tubing Head Spool Assembly, each assembly should supplied in assembled form having following components (Sr. No. 1.1 to 1.6) As per attached figure-1	23	Sets	Lump sum cost of Tubing head spool item 1.1 to 1.6	
1.1	One Tubing Head spool (forged material) with bottom flange size 11" API 5000 PSI WP & top flange size 11" API 5000 PSI WP. The top of the spool to have tie down screws and bottom having necessary seals for 9-5/8" Casing and two 2-1/16" API 5000 PSI WP Studded Outlets having 1-1/2" VR Thread. All required accessories e.g. Allen Wrench etc. should be supplied with each tubing spool and placed in the box along with the following fitted items as per attached figure-1			xxxxx	
1.2	Two (2) 2-1/16" 5000 psi WP Double Flanged gate valves (forged material), Including Hand wheel, (02 Nos. / THS Assy).				
1.3	Two (2) 2-1/16" 5000 PSI W.P. Double Studded Instrument flanges (forged material), with 3/4" & 1/2" NPT taps (plugged), on each instrument flange, (02 Nos/THS Assy).				
1.4	Two (2) 2-1/16" 5000 psi WP Blind flanges (forged material) with 1/2" Tap (plugged), (02 Nos/THS Assy).				
1.5	Two (2) 1/2" NPT, 5000 psi WP Needle valves (Male x Female), Super Trim, 316 ST/STL. These valves are to be shipped loose inside the box containing every tubing spool assembly, (02 Nos/THS Assy).				
1.6	One complete set of studs, nuts and ring gaskets required to assemble the above components, (01 Set / THS Assy).				
Accessories for the THS assemblies to be supplied loose, one each in the same Box with every THS assembly					
2	Sets of studs and nuts each set comprises of 12 Nos studs (each with 02 Nos Nuts), size 1-7/8" Dia x 14/2 length ", Zn/Cad/PTFE coated, Material A193 GR B7 (01 set/THS assembly)	23	Sets	xxxx	
3	Gasket, Self Sealing Ring ST/STL R-54	23	Nos	xxxx	
4	11" Nom. Bore Wear Bushing for Tubing Head Spool at Serial # 1.1.	20	Nos	xxxx	

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5	Tool for Installation & Removal of Wear Bushing at Serial # 4 with 3-1/2" IF Threads Box (Bottom & Top). The Tool may also be used for testing the BOP including the provision to test the Blind rams also.	20	Nos	xxxx	
6	Tubing Hanger 11", 5000 psi W.P. with an extended seal neck having two 1/4" continuous Control Lines Prep. with all necessary fittings for control line installation ; 3-1/2" 10.3 lbs/ft CS Hydril premium threads (Box) top & bottom, (100% Interchangeable) or equivalent threads. 3-1/32" Cameron type 'H' BPV Compatible to quoted tubing Hanger. Hanger must be compatible with the quoted THS and Setting must not require any alignment. (Inconel 718 Material)	20	Nos	xxxx	
7	Christmas Tree/Gate Valve Assembly (Figure Attached). Each assembly should be supplied in assembled form having following components. (S. No. 7.1 to 7.10 as per attached Figure-2)	20	Sets	Lump sum cost of X-Mass Tree item 7.1 to 7.10	
7.1	One (1) 11" API 5000 psi WP bottom x 3-1/8" API 5000 psi WP double studded pack-off flange (forged material), with two 1/4" control lines preparation, pack-off flange must have two exit blocks for the 1/4" control line as per figure-3 . Exit block must have 1/2" NPT connection for control panel, along with all necessary SS fittings for continuous control line installation and connection to control panel (the pack-off flange must be compatible with tubing head spool (item # 1) and the tubing hanger (item # 6). (As per attached figure-3)				
7.2	Six (6) 3-1/8" 5000 psi WP Double Flanged gate valves (forged material), including Hand wheels. One each as LMV & swab valve and two on each wing, (06 No. /X-Mass Tree Assy). (Stems material Inconel 718)				
7.3	One (1) 3-1/8" 5000 PSI W.P. hydraulically actuated gate valve (forged material) as U.M.V. Each with hydraulic override (hand wheel to be provided) and fusible hold open device, (01 Nos. /X-Mass Tree Assy) (Stem material Inconel 718)				
7.4	One (1) 3-1/8" x 3-1/8" x 3-1/8" x 3-1/8" API 5000 PSI WP studded cross (forged material), (01 No / X-Mass Tree Assy).				

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7.5	One 3-1/8" 5000 PSI WP X-Mass top flange with OTIS type code 'G' quick union (5-3/4" - 4 ACME, 4" seal diameter, 3" nominal ID, 10,000 psi W.P. STD/H2S service) with a 1/2" NPT tap on the top for pressure gauge installation (plugged). Inside of top flange should have 3-1/2" CS Hydril, 10.3 lb/ft Female Pickup/Lifting Threads (01 No. /X-Mass Tree Assy). The ID should allow running of the 3-1/32" type 'H' BPV				
7.6	Two (2) 3-1/8" 5000 PSI W.P. Double Studded Instrument flanges (forged material), with 3/4" & 1/2" NPT taps (plugged), on each instrument flange,(02 No. /X-Mass Tree Assy).				
7.7	One (1) adjustable choke assembly (forged material), angle type, 3-1/8" 5000 PSI WP (R-35) Inlet and Outlet Flanged connections, 1" maximum orifice. Hand wheel operated and complete with Choke Spanner,(01 No/X-Mass Tree Assy). (Stem material Inconel 718)				
7.8	One (1) positive choke assembly (forged material), 3" Nom with 3-1/8" 5000 PSI WP (R-35) Inlet and Outlet Flanged connections,(01 No/X-Mass Tree Assy). (Stem material Inconel 718)				
7.9	Two (2) 3-1/8" 5000 PSI WP companion flanges (forged material) with 3" Sch 120 Weld Necks,(02 Nos/X-Mass Tree Assy).				
7.10	One (1) complete set of studs, nuts and ring gaskets required to assemble the above components,(01 Set/X-Mass Tree Assy).				

Accessories for the Christmas Trees assemblies one each (S.No.8 to 28) to be supplied loose in the same box.

8	1/2" NPT, 5000 psi WP Needle valves (Male x Female), Super Trim, 316 ST/STL.	20	Nos	xxxx	
9	Thermo well (Compatible with 3-1/8", 5K, Double Studded Instrument Flange at Sr # 7.6), 316 ST/STL. Outer threads of Thermowells should be 3/4" whereas the inner threads should be 1/2" NPT Threads.	20	Nos	xxxx	
10	Temperature Gauge, 4" Dial , Range 0° F to 350° F, (Compatible with thermo well at Sr # 9), 316 ST/STL.	20	Nos	xxxx	
11	Pressure Gauges 0- 5,000 Psi DIAL SIZE 3-1/2" -4" with 1/2" NPT Thread	20	Nos	xxxx	
12	Set of Beans, Flow Nom 3" Positive Choke 3-1/8" 5K with Hex HD and Tung Carbide Insert 16/64", 20/64", 24/64", 28/64", 32/64", 36/64", 40/64", 44/64", 48/64" Orifice	20	Nos	xxxx	
13	Set of Beans, Flow Nom 3" Positive Choke 3-1/8" 5K with Hex HD and Tung Carbide Insert 52/64", 56/64", 60/64" & 64/64" Orifice	10			
14	Bean Wrench, 3" Nom Positive Choke.	20	Nos	xxxx	

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15	Valve, Back Pressure, 3" Nom. Type 'H', 3-1/32" OD, 4 T.P.I. L.H. Thread 3-1/2" OD Tubing, (For Tubing Hanger at Serial-6).	20	Nos	xxxx	
16	Back Pressure Valve Insertion Tool for BPV/Check Valve at Serial # 15.	20	Nos	xxxx	
17	Back Pressure Valve Removal Tool for Serial # 15.	20	Nos	xxxx	
18	Hydraulic Pump Hand Operated for testing the tree with connecting pressure manifold, API 10000 PSI W.P.	20	Nos	xxxx	
19	Flange, 2-1/16" 5000 psi W. P w/ Fig 1502 Connection Hammer Union	20	Nos	xxxx	
20	Flange, 3-1/8" 5000 psi W. P w/ Fig 1502 Connection Hammer Union	20	Nos	xxxx	
Accessories for the THS & Christmas tree assemblies to be supplied loose separately					
21	Reducer bushing assembly, 9-5/8" x 7" casing with necessary two seals, in case the spool is to be used on 7" casing (as per attached at Figure-4).	5	Nos	xxxx	
22	Tubing Hanger 11", 5000 psi W.P. with an extended seal neck having two 1/4" continuous Control Lines Prep. with all necessary fittings for control line installation ; 3-1/2" 10.3 lbs/ft CS Hydril premium threads (Box) top & bottom, (100% Interchangeable) or equivalent threads. 3-1/32" Cameron type 'H' BPV Compatible to quoted tubing Hanger. Hanger must be compatible with the quoted THS and Setting must not require any alignment.	5	Nos	xxxx	
23	One (1) 11" API 5000 psi WP bottom x 3-1/8" API 5000 psi WP double studded pack-off flange (forged material), with two 1/4" control lines preparation, pack-off flange must have two exit blocks for the 1/4" control line as per figure-3. Exit block must have 1/2" NPT connection for control panel, along with all necessary SS fittings for continuous control line installation and connection to control panel (the pack-off flange must be compatible with tubing head spool (item # 1) and the tubing hanger (item # 6). (As per attached figure -3)	3			
24	Lubricator Assembly (forged material) with 16 foot Polished Rod along with C & Friction Wrenches, the lubricator bottom should have a OTIS type code 'G' quick union (5-3/4" - 4 ACME, 4" seal diameter, 3" nominal ID, 10,000 psi W.P. STD/H2S service) compatible the tree top flange.	8	Nos	xxxx	
25	Adjustable choke assembly (forged material), angle type, 3-1/8" 5000 PSI WP (R-35) Inlet and Outlet Flanged connections, 1" maximum orifice. Hand wheel operated and complete with Choke Spanner.	5	Nos	xxxx	
26	Positive choke assembly (forged material), 3" Nom with 3-1/8" 5000 PSI WP (R-35) Inlet and Outlet Flanged connections	5	Nos	xxxx	

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27	Set of Beans, Flow Nom 3" Positive Choke 3-1/8" 5K with Hex HD and Tung Carbide Insert, 24/64", 28/64", 32/64", 36/64", 40/64", 44/64", 48/64", Orifice	5	Nos	xxxx	
28	Adjustable choke assembly (forged material), angle type, 3-1/16" 10000 PSI WP (BX-154) Inlet and Outlet Flanged connections, 1" maximum orifice. Hand wheel operated and complete with Choke Spanner.	2	Nos	xxxx	
29	Positive choke assembly (forged material), 3" Nom with 3-1/16" 10000 PSI WP (BX-154) Inlet and Outlet Flanged connections	4	Nos	xxxx	
30	Set of Beans, Flow Nom 3" Positive Choke 3-1/16" 10K with Hex HD and Tung Carbide Insert, 24/64", 28/64", 32/64", 36/64", 40/64", 44/64", 48/64", 52/64", 56/64", 60/64, & 64/64" Orifice	4	Nos	xxxx	
31	Adjustable choke assembly (forged material), angle type, 4-1/16" 5000 PSI WP (R-39) Inlet and Outlet Flanged connections, 1" maximum orifice. Hand wheel operated and complete with Choke Spanner.	5	Nos	xxxx	
32	Positive choke assembly (forged material), 4" Nom with 4-1/16" 5000 PSI WP (R-39) Inlet and Outlet Flanged connections	5	Nos	xxxx	
33	Set of Beans, Flow Nom 4" Positive Choke 4-1/16" 5K with Hex HD and Tung Carbide Insert, 24/64", 28/64", 32/64", 36/64", 40/64", 44/64", 48/64", 52/64", 56/64", 60/64" & 64/64" Orifice	5	Nos	xxxx	
34	Adjustable choke assembly (forged material), angle type, 4-1/16" 10000 PSI WP (BX-155) Inlet and Outlet Flanged connections, 1" maximum orifice. Hand wheel operated and complete with Choke Spanner.	2	Nos	xxxx	
35	Positive choke assembly (forged material), 4" Nom with 4-1/16" 10000 PSI WP (BX-155) Inlet and Outlet Flanged connections	4	Nos	xxxx	
36	Set of Beans, Flow Nom 4" Positive Choke 4-1/16" 10K with Hex HD and Tung Carbide Insert, 24/64", 28/64", 32/64", 36/64", 40/64", 44/64", 48/64", 52/64", 56/64", 60/64" & 64/64" Orifice	4	Nos	xxxx	
37	Substitute/Xover 3-1/2" X 10.3 PPF CS Hydril or RTS-8 or BTS-8 or TS-HP or equivalent premium threads PIN X PIN, L-80 (type 1).	20	Nos	xxxx	
38	Two Way Check valve for Tubing Hanger at serial # 6 and 22.	5	Nos	xxxx	
Repair Kits (Complete description/part number of all the items in each repair kit must be provided in the technical bid).					
39	Repair Kits for Tubing Head Spool, e.g. 9-5/8" seals, Retainer Wires/rings, O-rings, seals etc & any other part essentially required to service the spool	5	Sets.	xxxx	
40	Repair Kits for Reducer bushing assembly, e.g. 7" seals, O-rings etc & any other part essentially required to service the bushing	2	Sets.	xxxx	

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41	Repair kits for 2-1/16" 5K Gate valves, e.g. Pins, Bearings, Bonnet Seal, Seat Seal, Stem Packing, O-rings, stem high pressure seal packing etc and any other part essentially required to service the valve. However kit may not include major items e.g. gate	3	Sets.	xxxx	
42	Repair kits for 3-1/8" 5K Gate valves e.g. Pins, Bearings, Bonnet Seals, Seat Seals, Stem Packing, O-rings, stem high pressure seal packing etc & any other part essentially required to service the valve. However kit may not include major items e.g. gate	5	Sets.	xxxx	
43	Repair Kit for Hydraulic actuator, e.g. High Pressure Packing, Seals, Bearings, Disks, retainer rings, etc & any other part essentially required to service the hydraulic actuator	3	Sets.	xxxx	
44	Repair kits for Bonnet flange, e.g. Orings, seal rings etc and any other part essentially required to service the bonnet flange	5	Sets.	xxxx	
45	Repair kits for BPV, e.g. O-Rings, etc and any other part essentially required to service the BPV	10	Sets.	xxxx	
46	Repair Kits for X-Mass Tree cap, e.g. O-rings, etc and any other part essentially required to service the Tree Cap	10	Sets.	xxxx	
47	Repair Kits for Tubing hanger, e.g. seals for hanger body and neck, Orings, ferrule Joint, Locking nuts etc and any other part essentially required to service the tubing hanger	10	Sets.	xxxx	
48	Repair kits for Positive choke e.g. Seals/O-Rings, etc and any other part essentially required to service the Bonnet Flange.	10	Sets.	xxxx	
49	Repair Kits for Adjustable choke, e.g. Orings, Seal packing, Stem and seat, etc and any other part essentially required to service the Adjustable Choke	5	Sets.	xxxx	
50	Repair Kits for Lubricator Assembly, e.g. Gland Packing, O-Rings, seals, etc and any other part essentially required to service the Lubricator Assembly	3	Sets.	xxxx	
51	TOTAL COST FOR SALE ITEMS			XXXXX	



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52	ASSOCIATED COMPLETION SERVICES	Rates in US \$ (a)	Est. Number of Jobs (b)	Est. Job Duration of each job (c)	TOTAL COST	
53	SERVICE ENGINEER PER DAY RATE OF COMPLETION SERVICES	Day Rate	25	05 DAYS	axbxc	The rate will be calculated /Evaluated for a 05 Day Job. Total Number of Jobs/Visits will be 25.
54	Lump sum Mob/Demob charges of Service Engineer	Per Mob/De-Mob	30 Visits	N/A	axb	Evaluation will be carried out for 30 Jobs/Visits.
55	Total Cost for associated Services					Evaluation and Order Placement will be on Total Sale Items + Total Services Cost

<p>REQUIREMENTS TO QUALIFY THE TECHNICAL EVALUATION OF BID: Every bidder must confirm the following conditions in order to qualify for the detailed technical evaluation, all the required supporting documents must be attached with the technical bid. Any technical bid without the required supporting documents or not fulfilling the conditions from Point 1 to 29 given below in this section will not be considered for Technical Evaluation.</p>	<p>Bidder to confirm following in the table</p>
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1	<p>In case the bidder and the Manufacturer are different, then the bidder must provide an original Authority letter/OEM certificate from the Manufacturer with the technical bid. The letter must be on company letter head, showing the name, designation and contact details (Official e-mail & fax number) of the signing authority.</p>	
2	<p>The parent manufacturing company must be possessing an API-6A license for 10 years from the date of tender opening under tender spec Q1 or relevant ISO certificates. In case the bidder has multiple manufacturing facilities under its umbrella than at least one of its major plants must fulfill the 10 year API certification criteria.</p>	
3	<p>In case the API 6A certificate of the bidder/Manufacturer does not allow the API monogram of any critical item required in the indent e.g. Actuators, Choke valves, BPV and the bidder/manufacturer is quoting any third party facility/company than the following must be provided with the bid.</p>	
	i-Identification of the item	
	ii- The name of the facility from where it will be provided.	
	iii- The third party facility should be API-6A certified to API monogram the item.	
	iv- The third party facility should be API-6A certified to manufacture that specific item for 10 years API-6A certificates to be provided.	
	v- Authority letter for the third party facility in favor of the bidder is to be provided.	

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	vi. Supply record of third party manufacturer for the individual items being quoted in excess of at least 500 items supplied in the last 10 years.	
4	The manufacturer(s) must have manufactured & supplied X-Mass trees to the multinational E&P companies and other renowned E & P companies (not belonging to the manufacturer's country) in excess of 500 sets during the last ten years, the supply record must confirm this fact. The Supply record only for the complete sets of X-mass trees should be submitted and it should also specify the contact person's Name, Designation and Contact details inclusive of official email address of the customers. Trees sold to supply houses etc. will not be considered. If the bidder has already supplied X-mass trees to OGDCL then supply record is not required.	
5	In case the bidder has already supplied X-mass trees to OGDCL in the Past then supply record is not required. However it is clarified that the past performance of the supplied X-mass trees will be accounted to finalize the technical evaluation. The bid can be rejected in case of non satisfactory performance of already supplied X-Mass Trees to OGDCL in the Past.	
6	For Tubing Hangers (Sr # 06 & 22), X-overs (Sr # 37) and Female Pick up/lifting threads inside of top flange of Tree cap (Sr # 7.5) only Hydril 'CS' threads or 100% equivalent premium threads e.g. Grant Prideco RTS-8, TPS Technitube "TS-8", Hunting TS-HP, Beroit "CTS-8" or any other certified threads are acceptable. i. Bidder needs to identify the Thread make, Name and certification of licensed threading facility from where the threads will be certified.	
7	In case of local Manufacturer who is claiming the price preference, the bidder to provide the following details regarding the finished/semi finished products being imported for this specific	
	i. Identify the name of manufacturer(s) of the finished products, provide its (their) authority letter(s) and its (their) API-6A for the last ten (10) years,	
	ii. Bidder needs to identify the name of the Mill(s)/Manufacturer(s) supplying the semi-finished products, provide its(their) authority letter(s) and its(their) API-6A for the last ten (10) years, Q1 or relevant ISO certificates.	
	iii. Supply record of third party manufacturer for Semi finished and finished items being quoted in excess of at least 500 items individually in the last 10 years	
	iv. Bidder to confirm delivery at OGDCL I-9 Store Islamabad or KBS Karachi	
8	If the bidder has not already supplied X-Mass to OGDCL then certificates of satisfactory performance issued by authorized officials of at least 3 different multinational E&P companies or other renowned E & P companies (not belonging to the manufacturer's country) regarding the X-mass trees must be provided with the bid. The certificates must be on the company letterhead and should indicate the Name & Designation of the signing authority along with his complete contact details including his official email address. Certificates issued by supply houses etc. will not be considered.	

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9	<p>The bidder must have set up/arrangement in Pakistan equipped with all the necessary tools/equipment, to install/service the X-Mass trees at any OGDCL location on 1-3 days notice period. The set up must have necessary facilities/equipment to redress Lubricator, Tubing Hanger, Pressure testing of Gate valve assembly and Greasing /Maintenance of Gate valves etc as and when required. The details of the facilities available at the set up must be provided with the technical bid. At-least two full time experienced service engineers must be available, the lead engineer must have a minimum experience of 5 years in installation and servicing of X-Mass trees/well heads. The resumes of the service Engineers must be provided with the technical bid. OGDCL can visit/inspect the local set up without any prior notice during the working hours. In case the bidder has no set up/arrangement in Pakistan then the bidder will give an undertaking, with the technical bid, that in case the order is placed on them then they will either establish a base or arrange an authorized third party facility in Pakistan within 120 days of order placement/L/c establishment. In case the bidder fails to do so, its bank guarantees are liable to be confiscated.</p>	
10	<p>The desired delivery period is 06 months C&F Karachi/FOB from the day of L/c establishment. Bids with more than 06 months delivery period may not be considered for evaluation.</p>	
11	<p>The bidder to confirm clearly in the technical bid that the material test certificates will be provided with the shipping documents.</p>	
12	<p>Bidder must provide detailed drawings with material list of all the components and installation procedures in hard and soft form of the quoted equipment along with the technical bid.</p>	
13	<p>The evaluation will be carried out on complete package, bidder to provide acceptance in the technical bid.</p>	
14	<p>In case bidder has not supplied X-Mass Trees to OGDCL then it is required to submit original print of the annual audited accounts reports for the last 3 consecutive years (along-with attested English Copies) with the technical bid in order to verify the liquidity position, revenues, profitability of the company.</p>	
15	<p><u>MATERIAL SPECIFICATIONS REQUIREMENT:</u> <u>The bidder should quote all the items in light of the following specifications and provide a compliance certificates where applicable to fulfilled all the requirements</u></p>	
15.i	<p>The bidder is required to quote only AISI 4130 Alloy steel forged material, as per API 6A Latest Edition, PSL-3, PR-2, Temperature Class 'X' Material Class 'EE-NL' in compliance with NACE MR-0175/ISO 15156 for all the equipment. The bidder is required to submit all documentary evidence in this regard with the technical quotation</p>	
15.ii	<p>The bidder is required to submit all equipment material specifications separately e.g. Tubing Head Spool, Bonnet Flange, Tubing Hanger, Gate Valves, Choke Valves as per API 6A Latest Edition, PSL-3, PR-2, Temperature Class 'X' Material Class 'EE-NL' in compliance with NACE MR-0175/ISO 15156.</p>	
15.iii	<p>Bidder to quote all Gate valves stems either 2-1/16 inch 5K or 3-1/8" 5K, Tubing Hangers, BPVs, Choke valves stems are made of Inconel 718 also specify the material of choke Valves seats and beans as per API 6A Latest Edition, PSL-3, PR-2, Temperature Class 'X' Material Class 'EE-NL' in compliance with NACE MR-0175/ISO 15156.</p>	

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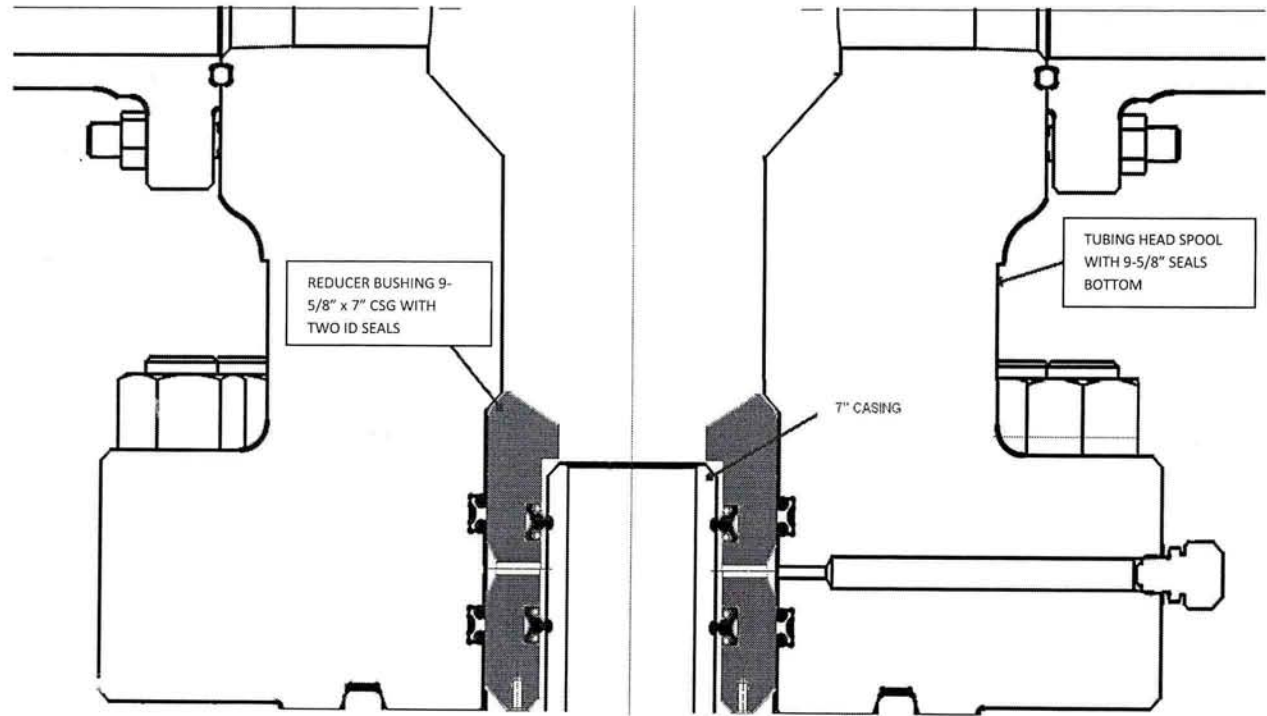
15.iv	Only forged tubing spools, bonnet flange, cross, gate valves, flanges etc. will be acceptable, bidder to provide a clear cut confirmation in this regard in the technical bid.	
15.v	Tubing head spools to be shipped in assembled form as shown in the attached figure, these assemblies must also be pressure tested. Only Tubing Hanger, Reducer Bushing and other accessories to be shipped loose.	
15.vi	X-Mass Trees to be shipped in assembled form as shown in the attached figure, these assemblies must also be pressure tested. Only accessories to be shipped loose.	
15.vii	The bidder is to quote the prices of the above items, however, any other item which is essentially required and not listed above must also be quoted.	
15.viii	The complete item wise list of accessories and spares for the above items indicating part number of each spare and accessory should be provided along with the bid.	
15.ix	Studs with either Cadmium or Zinc plating or PTFE coating are acceptable.	
16	<u>THE GATE VALVES MUST BE OF FORGED MATERIAL AND ALSO FULFILL FOLLOWING REQUIREMENTS</u>	
16.i	The gate valves with split gates are not acceptable, only solid gates are acceptable. Bidder to provide a clear cut confirmation in this regard in the technical bid.	
16.ii	Body bushing must be free floating (pressed in body bushings are not acceptable).	
16.iii	Gate must seal metal to metal against the body bushing and body bushing must seal metal to metal against valve body i.e. all seals must be metal to metal.	
16.iv	Stem must be non rising type	
16.v	Valve stem and bonnet must have back seating feature (metal to metal) to allow stem packing change while under pressure.	
16.vi	Sealant injection ports on the valve body are not acceptable.	
16.vii	The stem packing should be non-elastomeric and protected by a graphite jacket against the well bore fluids No Chevron or lip type seals are acceptable.	
16.viii	All the Gate valves should be bi-directional.	
17	<u>THIRD PARTY INSPECTION (TPI) CRITERIA</u>	
17.i	OGDCL will arrange Third Party Inspection (TPI) in three stages, the tentative scope of inspection is as follows, the bidder to confirm that necessary assistance will be provided to the TPI Company	
17.ii	Initial Stage Inspection: Inspection of Forged Raw material and Material Test Certificates prior to commencement of Machining in order to confirm all material to be as per SOR specifications API 6A latest edition, PSL-3, PR-2, temperature class 'X' material class 'EE-NL' in compliance with NACE MR-0175/ISO 15156.	
17.iii	Intermediate stage inspection: After the completion of 50% of Manufacturing/Machining, stage inspection for Manufacturing, material class, temperature class, quality control reports.	

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17.iv	Final Inspection: Upon completion of the Manufacturing /Machining and prior to shipment Third Party inspection for witnessing hydro testing /Drift Testing and other recommended tests as per API 6A. Third Party Inspector needs to confirm that all finished equipment is as per SOR specifications API 6A latest edition, PSL-3, PR-2, temperature class 'X' material class 'EE-NL' in compliance with NACE MR-0175/ISO 15156.	
17.v	Submission of Final Inspection report	
17.vi	Place the signature /stamp on inspection release note/inspection report electronically in the original pdf files of inspection release note and inspection report.	
17.vii	Mention OGDCL purchase order number and L/c number in the first page of final inspection report/Inspection Release Note	
18	Bidder to identify/mention the LC beneficiary for Saleable Items and the service Order beneficiary for Local services in their Data Summary Sheet .	
19	The Bidder to confirm that the quoted services rates will be valid for three and a half years from the date of financial bid opening.	
20	The bid proposal should essentially include the CVs of Pakistani National Engineers that are expected to be deployed for the job, the lead service engineers must have 5 years experience, whereas the other must have a minimum of 2 years experience. OGDCL will have the right to ask the service provider to replace the engineer while the job is being executed.	
21	The service provider must have sufficient number of service engineers to handle multiple simultaneous jobs.	
22	The day rate will commence at the arrival of the Engineer at Rig site and will cease from the day when service Engineer completed the job at Rig site. No extra days will be paid	
23	Only one service Engineer charges will be applicable to carry out the completion Job	
24	Boarding lodging of Completion Engineer at Rig site will be the responsibility of OGDCL. However OGDCL will not provide any transport to service Engineer/tools to reach at rig site, it will be the exclusive responsibility of the service provider to arrange the transportation for the service engineer/tools from the base to the OGDCL site and back to the base.	
25	The bidder to quote lump sum Mob/De-Mob charges for the service engineer which should include all transportation charges, hotel stay charges (if any) during the travelling to the OGDCL site, etc.	
26	The Bidder will ensure to send Local Service Engineer at Rig site within 02 days (maximum) after receiving mobilization notice from OGDCL.	
27	The Payment will be made as per actual services rendered at any OGDCL well on as and when required basis.	
28	The service rates are to be quoted in US Dollars, however the payment mode will be in 100% equivalent Pak rupees as per the exchange rate prevalent at the date of payment. The Payment will be made as per actual days for which the services are rendered.	
29	Services rates should be firm and Inclusive of all applicable taxes and levies as per Government of Pakistan rules, except Provincial Sales Tax on Services. Provincial Sales Tax on Services if applicable will be paid by OGDCL as per prevailing policy.	

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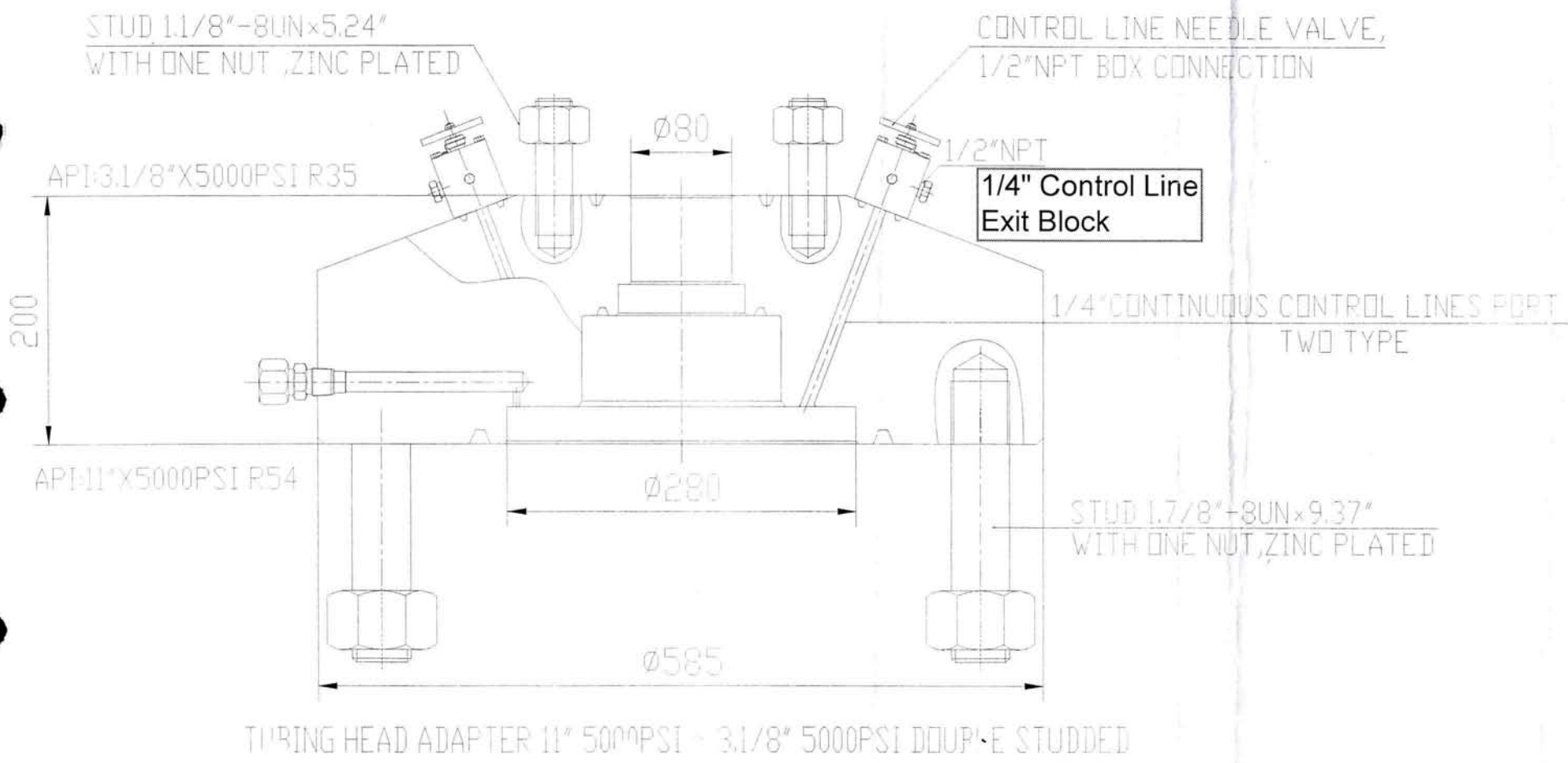
FIGURE-4, REDUCER BUSHING



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Figure-3
Adapter Flange/Pack Off
Flange
(11" x 3-1/8", 5K)

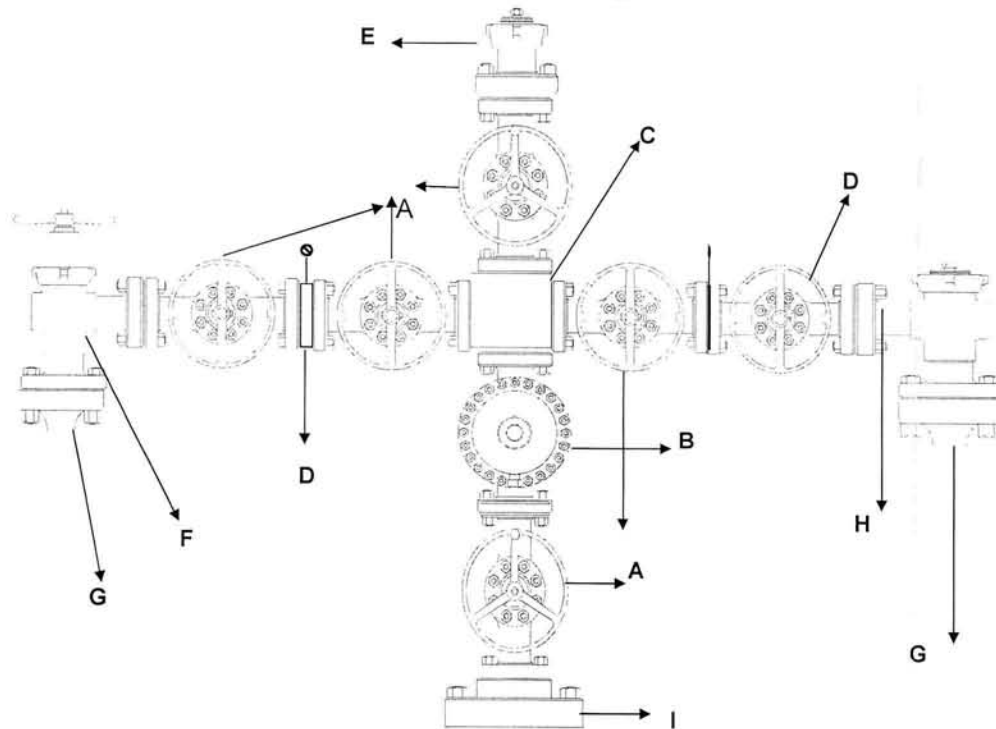


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X-Mass Tree Assembly 3-1/8" 5000 PSI WP, All Material to be as per API 6A, Latest Edition PSL-3, PR-2, Temperature Class 'X' Material. Class 'EE-NL'

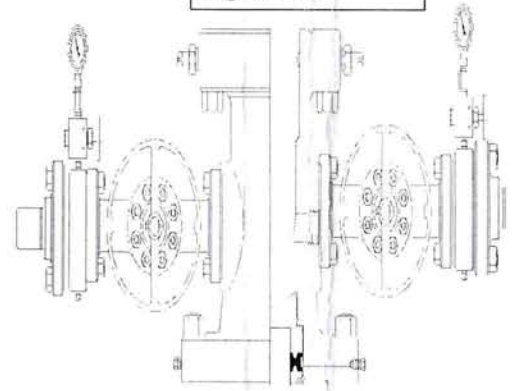
Figure-2.



- A: 3-1/8", 5K, Gate Valves.
- B: 3-1/8", 5 K, Hydraulically actuated Gate Valves.
- C: 3-1/8" X 3-1/8" X 3-1/8" X 3-1/8", 5 K, 4 Way Double Studded Cross.
- D: 3-1/8", 5K, Double studded Instrument Flange.
- E: 3-1/8", 5K, X-Mass Tree Top Cap.
- F: 3-1/8", 5K, Adjustable Choke assembly.
- G: 3-1/8", 5K, Companion Flange.
- H: 3-1/8", 5K, Fixed Choke assembly.
- I: 11" X 3-1/8", 5K, Pack Off Flange with Two (02) Exit Blocks for 1/4" Control Line

Tubing Head Spool, 11" API 5000 PSI WP Flange Bottom X 11" API 5000 PSI WP Flange Top with Two 2.1/16" API 5000 PSI WP Studded Outlets with 1.1/2" VR Thread, bottom with seals for 9-5/8" Casing. All Material to be as API 6A, Latest Edition PSL-3, PR-2, Temperature Class 'X' Material Class 'EE-NL'

Figure-1.



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