

**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** 3-1/16 INCH X-MASS TREES, 10000 PSI, WITH ACCESSORIES, SPARES AND SERVICES  
**Tender Enquiry No** PROC-FB/CB/PE&FD-5281/2022  
**Due Date**  
**Evaluation Criteria** FULL

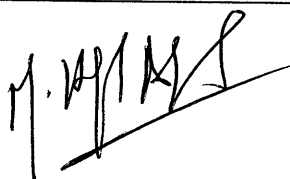
**SCHEDULE OF REQUIREMENT**

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	X-Mass Trees 3-1/16" 10K with accessories, spares and Services. All material as per API-6A latest edition PSL-3, PR-2, Temp Class U Material Class FF-1.5 in Compliance with NACE MR-0175/ISO15156. For details see attached sheets	Number	3					

**Note:** 1) BID VALIDITY: BID MUST BE VALID FOR 180 DAYS FROM BID OPENING DATE.  
2) BID BOND AMOUNT: USD 8,500/- OR EQUIVALENT PKR TO BE SUBMITTED WITH TECHNICAL BID AND VALID FOR 210 DAYS.  
(3) DELIVERY PERIOD: SEVEN (07) MONTHS FROM L/C ESTABLISHMENT DATE.  
(4) EVALUATION CRITERIA: "FULL CONSIGNMENT WISE" ON CFR BY SEA KARACHI-PAKISTAN BASIS.  
(5) TENDER DOCUMENTS AVAILABLE ON OGDCL'S WEBSITE UNDER TAB "MASTER SET OF FOREIGN TENDER DOCUMENT (PRESS-SINGLE STAGE TWO ENVELOP) 05-01-2022"

**X-Mass Trees 3-1/16 inch 10,000 psi along with necessary accessories, spares and Services. All Material to be forged, and must be as per API 6A Latest Edition, PSL-3, PR-2, Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156 unless specified otherwise.**

Sr #	DESCRIPTION	UOM	Qty	Unit CFR	Total CFR
1	Christmas Tree/Gate Valve Assembly 3-1/16" 10,000 psi. Each assembly should supplied in assembled form having following components.(Sr. No. 1.1 to 1.10) as per attached figure-1 Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Nos.	3	Lump sum 01 set cost of X-Mass Tree assembly including items 1.1 to 1.10	
1.1	One (1) 11" API 10,000 psi WP (Bottom) x 3-1/16" API 10,000 psi WP (Top) Double studed 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. Exit block must have 1/2" NPT connection for control panel, along with all necessary instrument fittings for continuous control line installation and connection to control panel (the pack-off flange must be compatible with tubing head spool (item # 15) and the tubing hanger (item # 20)				
1.2	Six (6) 3-1/16" 10,000 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). <b>Note : All valves must be with Back Seating feature so that under pressure the stem seals can be replaced. All the gate valves should be with bi-directional feature</b>				
1.3	One (1) 3-1/16" 10,000 PSI W.P. hydraulically actuated gate valve (forged material) as UMW. Each with manual override (hand wheel to be provided) and fusible hold open device,(01 No. /X-Mass Tree Assy)				
1.4	One (1) 3-1/16" x 3-1/16" x 3-1/16" x 3-1/16" 10,000 PSI WP studed cross (forged material), (01 No / X-Mass Tree Assy).				
1.5	One (1) X-Mass Tree Top Cap Bottom flange 3-1/16" 10,000 psi and Top 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 tree top should have 3-1/2" 12.7 lb/ft Vam Top Female Pickup Threads (01 No /X-Mass Tree Assy). The ID should allow running of the 3-1/32" type 'H' BPV.				
1.6	Two (2) 3-1/16" 10,000 PSI W.P. Double Studed Instrument flanges (forged material), with two 1/2" NPT taps (plugged), on each instrument flange,(02 No. /X-Mass Tree Assy).				
1.7	One (1) Adjustable choke assembly (forged material) angle type 3-1/16" 10,000 PSI WP, (BX-154) Inlet and Outlet Flanged connections, 2" maximum orifice. Hand wheel operated and complete with Choke Spanner, (01 No Spanner/choke assy), (01 No/X-Mass Tree Assy).				

  
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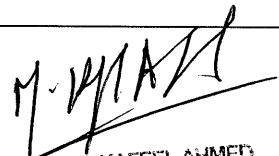
1.8	One (1) positive choke assembly (forged material), angle type 3" NOM with 3-1/16" 10,000 PSI WP (BX-154) Inlet and Outlet Flanged connections suitable for 2" maximum orifice bean. (01 No/X-Mass Tree Assy).				
1.9	Two (2) 3-1/16" 10,000 PSI WP companion flanges (forged material) with 3" Sch 160 Weld Necks, (02 Nos/X-Mass Tree Assy).				
1.10	One (1) complete set of studs, nuts and ring gaskets required to assemble the above components, (01 Set/X-Mass Tree Assy).				
	<b>Accessories for the Christmas Trees assemblies (Sr.No.2 to 14) to be supplied loose</b>				
2	1/2" NPT, 10,000 psi WP Needle valves (Male x Female), Super Trim, 316 ST/STL.	Nos.	8		
3	Thermo well (Compatible with 3-1/16", 10,000 psi, Double Studded Instrument Flange at serial no 1.6), 316 ST/STL.	Nos.	3		
4	Temperature Gauge, 4" Dial, Range 0° F to 250° F, (Compatible with thermo well at Sr # 3), 316 ST/STL.	Nos.	3		
5	Pressure Gauges 0- 10,000 Psi DIAL SIZE 4" with 1/2" NPT Threads	Nos.	8		
6	Set of Beans for Positive Choke 3-1/16" 10,000 psi at serial no 1.8 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", 52/64", 56/64", 60/64", 64/64", 96/64", 128/64" Orifice.	Sets	3		
7	Bean Wrench for 3-1/16" 10,000 psi Positive choke beans at serial # 6	Nos.	4		
8	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 no 20). Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Nos.	3		
9	3" Two Way Check valve for Tubing Hanger at serial no 20 Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Nos.	1		
10	Insertion Tool for BPV/Check Valve at serial no 8 & 9	Nos.	3		
11	Removal Tool for BPV/Check Valve at serial no 8 & 9	Nos.	3		
12	Hydraulic Pump Hand Operated for testing the tree with connecting pressure manifold, API 10,000 PSI W.P.	Nos.	3		
13	Flange, 2-1/16" 10,000 psi WP w/ 2" Fig 1502 Connection Hammer Union	Nos.	3		
14	Flange, 3-1/16" 10,000 psi WP w/ 2" Fig 1502 Connection Hammer Union	Nos.	3		
	<b>Tubing Head Spools Size 11" x 11" 10,000 psi W.P. All Material as per API-6A Latest Edition, PSL-3, PR-2, Temperature Class 'U', Material Class 'FF-1.5' in compliance with NACE MR-0175/ISO 15156</b>				
15	Tubing Head Spool Assembly (Figure Attached). Each assembly should be supplied in assembled form as per attached Figure-2) having following components at serial no 15.1 to 15.5 as per attached Figure-1	Nos.	3	Lump sum 01 set cost of Tubing Head Spool including items 15.1 to 15.5	

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Page 2 of 11


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15.1	One (1) Tubing Head spool (forged material) Bottom flange size 11" 10,000 PSI WP and Top flange size 11" 10,000 PSI WP. The top of the spool to have tie down screws and bottom having double FS seals for 9-5/8" Casing must be self energized having test ports and two 2-1/16" API 10,000 PSI WP Studded Outlets having 1-1/2" VR Thread. All required accessories e.g. Allen Wrench, Spanners etc. should be supplied with each tubing spool and placed in the box containing that spool with the following fitted items at serial no 15.2 to 15.5 Bidders are strictly advised to mention the minimum bore ID of quoted tubing head spool in the technical bid				
15.2	Two (2) 2-1/16" 10,000 psi WP Double Flanged gate valves (forged material), Including Hand wheels (02 Nos/THS Assy).				
15.3	Two (2) 2-1/16" 10,000 PSI W.P. Double Studded Instrument flanges (forged material) with two 1/2" NPT ,taps (plugged) on each instrument flange. (02 Nos/THS assembly)				
15.4	Two (2) 2-1/16" 10,000 psi WP' Blind flanges (forged material) with one 1/2" Tap (plugged) on each blind flange,(02 Nos/THS assembly).				
15.5	One (1) complete set of studs, nuts and ring gaskets required to assemble the above components,(01 Set / THS Assy).				
<b>Accessories for the THS assemblies to be supplied loose</b>					
16	Sets of studs and nuts each set comprises of 16 nos studs (each with 02 nos Nuts), size 1-3/4" Dia x 15-1/4" length ", Zn/Cad/PTFE coated, Material A193 GR B7	Sets	6		
17	Gasket, Self Sealing Ring ST/STL BX-158	Nos.	6		
18	11" Nom. Bore Wear Bushing, for Tubing Head Spool at Serial No 15.1 Material : Standard	Nos	3		
19	Combination Tool for Installation & Removal of Wear Bushing at serial no 18 with 3-1/2" IF Box ( Bottom & Top). The Tool may also be used for testing the BOP including the provision to test the Blind rams also. Material : Standard	Nos	3		
20	Tubing Hanger 11", 10,000 psi W.P. with an extended seal neck having two 1/4" continuous Control Lines Preps along with all necessary fittings for control line installation and dead plugs for control line ports with each tubing hanger. 3-1/2" 12.7 lbs/ft Vam Top threads Top (Box) x Bottom (Box) connection. Double neck seals ( Metallic & Elastomer) with BTM minimum 18" for Tong Grip. Material of Cameron type 'H' 3" BPV Compatible to quoted tubing Hanger. Hanger must be compatible with the quoted THS and Setting must not require any alignment. Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Nos	4		

  
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Accessories to be supplied loose Separately					
21	Lubricator Assembly 3-1/16" 10,000 psi (forged material) with 144" (12 feet) stroke length 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 with the tree top flange. Material : Standard	No	1		
22	Sets of studs and nuts each set comprises of 8 Nos studs (each with 02 Nos Nuts), size 1-1/8" Dia x 8" length ", Zn/Cad/PTFE coated, Material A193 GR B7	Sets	5		
23	Gasket, Self Sealing Ring ST/STL BX-154	Nos	10		
24	Reducer bushing assembly, 9-5/8" x 7" casing with two (2) nos FS seals, in case the tubing headspool at serial no 15 is to be used on 7" casing as per attached at figure-2. Reducer bushing must be self energized Material : Standard	Nos	3		
25	One (1) Adjustable choke assembly (forged material) angle type 3-1/16" 10,000 PSI WP, (BX-154) Inlet and Outlet Flanged connections, 2" maximum orifice. Hand wheel operated. Each choke valve will be provided with i. 02 Nos BX-154 Ring Gasket ii. 08 Nos studs (each with 02 Nos Nuts), size 1" Dia x 7-1/4" length ", Zn/Cad/PTFE coated, Material A193 GR B7 Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Sets	3	Lump sum 01 no Choke valve cost including Ring Gaskets and Studs Nuts	
26	One (1) positive choke assembly (forged material), angle type 3" NOM with 3-1/16" 10,000 PSI WP (BX-154) Inlet and Outlet Flanged connections suitable for 2" maximum orifice bean. Each choke valve will be provided with i. 02 Nos BX-154 Ring Gasket ii. 08 Nos studs (each with 02 Nos Nuts), size 1" Dia x 7-1/4" length ", Zn/Cad/PTFE coated, Material A193 GR B7 Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Sets	3	Lump sum 01 no Choke valve cost including Ring Gaskets and Studs Nuts	
27	Set of Beans for Positive Choke 3-1/16" 10,000 psi 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", 52/64", 56/64", 60/64", 64/64", 96/64", 128/64" Orifice.	Sets	3		
28	3-1/16" 10,000 psi WP Double Flanged gate valves(forged material) including Hand wheels. Each gate valve will be provided with i. 02 Nos BX-154 Ring Gasket ii. 08 Nos studs (each with 02 Nos Nuts), size 1" Dia x 7-1/4" length ", Zn/Cad/PTFE coated, Material A193 GR B7 Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Sets	6	Lump sum 01 no Gate valve cost including Ring Gaskets and Studs Nuts	

  
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15.1	One (1) Tubing Head spool (forged material) Bottom flange size 11" 10,000 PSI WP and Top flange size 11" 10,000 PSI WP. The top of the spool to have tie down screws and bottom having double FS seals for 9-5/8" Casing must be self energized having test ports and two 2-1/16" API 10,000 PSI WP Studded Outlets having 1-1/2" VR Thread. All required accessories e.g. Allen Wrench, Spanners etc. should be supplied with each tubing spool and placed in the box containing that spool with the following fitted items at serial no 15.2 to 15.5 Bidders are strictly advised to mention the minimum bore ID of quoted tubing head spool in the technical bid				
15.2	Two (2) 2-1/16" 10,000 psi WP Double Flanged gate valves (forged material), Including Hand wheels (02 Nos/THS Assy).				
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15.4	Two (2) 2-1/16" 10,000 psi WP' Blind flanges (forged material) with one 1/2" Tap (plugged) on each blind flange,(02 Nos/THS assembly).				
15.5	One (1) complete set of studs, nuts and ring gaskets required to assemble the above components,(01 Set / THS Assy).				
<b>Accessories for the THS assemblies to be supplied loose</b>					
16	Sets of studs and nuts each set comprises of 16 nos studs (each with 02 nos Nuts), size 1-3/4" Dia x 15-1/4" length, Zn/Cad/PTFE coated, Material A193 GR B7	Sets	6		
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19	Combination Tool for Installation & Removal of Wear Bushing at serial no 18 with 3-1/2" IF Box ( Bottom & Top). The Tool may also be used for testing the BOP including the provision to test the Blind rams also. Material : Standard	Nos	3		
20	Tubing Hanger 11", 10,000 psi W.P. with an extended seal neck having two 1/4" continuous Control Lines Preps along with all necessary fittings for control line installation and dead plugs for control line ports with each tubing hanger. 3-1/2" 12.7 lbs/ft Vam Top threads Top (Box) x Bottom (Box) connection. Double neck seals ( Metallic & Elastomer) with BTM minimum 18" for Tong Grip. Material of Cameron type 'H' 3" BPV Compatible to quoted tubing Hanger. Hanger must be compatible with the quoted THS and Setting must not require any alignment. Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Nos	4		

  
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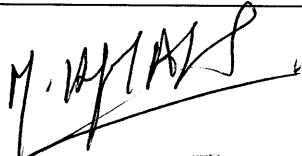
  
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Accessories to be supplied loose Separately					
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22	Sets of studs and nuts each set comprises of 8 Nos studs (each with 02 Nos Nuts), size 1-1/8" Dia x 8" length, Zn/Cad/PTFE coated, Material A193 GR B7	Sets	5		
23	Gasket, Self Sealing Ring ST/STL BX-154	Nos	10		
24	Reducer bushing assembly, 9-5/8" x 7" casing with two (2) nos FS seals, in case the tubing headspool at serial no 15 is to be used on 7" casing as per attached at figure-2. Reducer bushing must be self energized Material : Standard	Nos	3		
25	One (1) Adjustable choke assembly (forged material) angle type 3-1/16" 10,000 PSI WP, (BX-154) Inlet and Outlet Flanged connections, 2" maximum orifice. Hand wheel operated. Each choke valve will be provided with i. 02 Nos BX-154 Ring Gasket ii. 08 Nos studs (each with 02 Nos Nuts), size 1" Dia x 7-1/4" length, Zn/Cad/PTFE coated, Material A193 GR B7 Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Sets	3	Lump sum 01 no Choke valve cost including Ring Gaskets and Studs Nuts	
26	One (1) positive choke assembly (forged material), angle type 3" NOM with 3-1/16" 10,000 PSI WP (BX-154) Inlet and Outlet Flanged connections suitable for 2" maximum orifice bean. Each choke valve will be provided with i. 02 Nos BX-154 Ring Gasket ii. 08 Nos studs (each with 02 Nos Nuts), size 1" Dia x 7-1/4" length, Zn/Cad/PTFE coated, Material A193 GR B7 Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Sets	3	Lump sum 01 no Choke valve cost including Ring Gaskets and Studs Nuts	
27	Set of Beans for Positive Choke 3-1/16" 10,000 psi 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", 52/64", 56/64", 60/64", 64/64", 96/64", 128/64" Orifice.	Sets	3		
28	3-1/16" 10,000 psi WP Double Flanged gate valves(forged material) including Hand wheels. Each gate valve will be provided with i. 02 Nos BX-154 Ring Gasket ii. 08 Nos studs (each with 02 Nos Nuts), size 1" Dia x 7-1/4" length, Zn/Cad/PTFE coated, Material A193 GR B7 Temperature Class 'U' Material Class FF-1.5 in Compliance with NACE MR-0175/ISO 15156	Sets	6	Lump sum 01 no Gate valve cost including Ring Gaskets and Studs Nuts	

  
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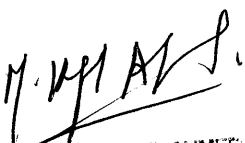
	Repair kits (Complete description of all the items in each repair kit must be provided in the technical bid).				
29	Repair kits for Tubing head spool. Each kit consisting of two (2) nos 9-5/8" casing FS seals, Retainer wires & any other part essentially required to service the spool	Sets	3		
30	Repair Kits for Reducer bushing assembly. Each kit consisting of two (2) nos 7" casing FS seals & any other part essentially required to service the bushing	Sets	3		
31	Repair kits for 2-1/16" 10,000 psi Gate valves e.g. Pins, Bearings, Bonnet Seal, Seat Seal, Stem Packing, O-rings, etc. and any other part essentially required to service the valve. However kit may not include major items e.g. gate	Sets	5		
32	Repair kits for 3-1/16" 10,000 psi Gate valves e.g. Pins, Bearings, Bonnet Seals, Seat Seals, Stem Packing, O-rings, etc. & any other part essentially required to service the valve. However kit may not include major items e.g. gate	Sets	5		
33	Repair Kit for 3-1/16" 10,000 psi Hydraulic actuator e.g. High Pressure Packing, Seals, Bearings, Disks, retainer rings, etc. & any other part essentially required to service the hydraulic actuator	Sets	2		
34	Repair kits for Pack off flange at e.g. O-rings, seal rings etc. and any other part essentially required to service the pack off flange	Sets	3		
35	Repair kits for BPV e.g. O-Rings, OD Seals etc. and any other part essentially required to service the BPV	Sets	6		
36	Repair kits for X-Mass tree cap e.g. O-rings, etc. and any other part essentially required to service the Tree Cap	Sets	6		
37	Repair kits for Tubing hanger at e.g. Metallic and soft seals for hanger body and neck, O-rings, ferrule Joint, Locking nuts, Dead Plugs etc. and any other part essentially required to service the tubing hanger	Sets	6		
38	Repair kits for 3-1/16" 10,000 psi Positive choke e.g. Seals/O-Rings, etc. and any other part essentially required to service the positive choke.	Sets	6		
39	Repair kits for 3-1/16" 10,000 psi Adjustable choke e.g. 01 Stem, 01 Seat, Locking pins, union nuts, retainer ring, Back up ring, Bonnet seal, Seat seal, 01 Stem packing, O-rings, etc. and any other part essentially required to service the Adjustable Choke	Sets	6		
40	Repair kits for Lubricator Assembly e.g. Gland Packing, O-Rings, seals, etc. and any other part essentially required to service the Lubricator Assembly	Sets	3		

  
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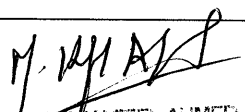


41	Repair kits for BOP Test Plug/ Running and retrieving tool for Wear bushing e.g. seals,O-rings (01 set consisting of 02 Nos of Seals/O-Rings, etc.)	Sets	15			
42	Total Cost for Sale Items					
Associated Completion Services		Rates in US \$ (a)	Est. Number of Jobs (b)	Est. Job Duration of each job (c)	Total Cost US \$	Remarks
43	Service Engineer Operating Per Day Rate	Per Day Rate	6 Nos	05 Days.	axbxc	The operating day rate will be calculated /Evaluated for a 05 Days Job. Total Number of Jobs are approximately 6 Nos
44	Service Engineer Stand By Per Day Rate	Per Day Rate	6 Nos	05 Days.	axbxc	i. The stand by rates will be applicable when there is a delay encountered in the job and the service engineer has already reached at job location. ii. Standby rates should not be more than 50% of the operating rates. iii. Standby by rates will be calculated /Evaluated for a 05 Days stand by. Total Number of Jobs are approximately 6 Nos
45	Lump Sum Mob/De Mob charges of Service Engineer	Per Mob/D e-Mob	6 Visits	N/A	axb	Evaluation will be carried out for approximately 6 Jobs/Visits.
46	Total cost for associated Services inclusive of all applicable taxes and levies except Provincial Sales tax on Services.					
47	Total Cost for Sale Items + Total Cost for associated Services in USD			Financial Evaluation and Order Placement will be on Total Sale Items + Total Services Cost. Bidder is required to quote as per format without fail		
Terms and Conditions: 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.						Bidder to comply and provide all the necessary documents with the Technical Bid
1	Technical and Financial Bids Bidder are required to submit Technical & Financial bids in two envelopes separately					
2	Bidder, Manufacturer and Local Agent In case the bidder and manufacturer are different than original authority letter from the manufacturer to bidder must be furnished with the technical offer. The bidder will also provide a similar letter in case they have their local agent in Pakistan. The authority letter must be on company letter head, showing the name and contact details official E-mail of the signing authority.					

  
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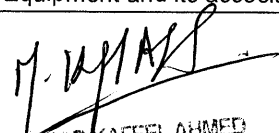
  
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3	<b><u>Manufacturing Company API Certificates</u></b>	
3.i	<b><u>API-6A</u></b> The Manufacturer must be certified by API under Specs API-6A for at least Ten (10) years for Manufacturing of X-Mass Trees, Tubing Head Spools and accessories.	
3.ii	In case the API 6A certificate of the Bidder/Manufacturer does not allow it to use API monogram on any of the critical item required in the tender e.g. Actuator, Choke Valve, Gate Valves, Flanges, BPV etc. and the bidder/manufacturer is quoting these items manufactured by any third party facility/company than the following must be provided with the bid 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 from the third party facility in favor of the bidder is to be provided. 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	<b><u>Supply Record</u></b>	
4.i	The manufacturer must have a minimum of Ten (10) years experience in the manufacturing of X-Mass Trees, Tubing Head Spools and accessories	
4.ii	A detailed supply record containing year of supply, description of equipment, quantity, customer name/country, contact person's name & address official E-mail, must be provided with the technical bid for the last Ten (10) years.	
4.iii	The manufacturer must have supplied a minimum of 300 sets of 10,000 psi rating X-Mass Trees and Tubing Head Spools to the foreign E&P companies outside the country of their Origin in the last ten (10) years	
4.iv	Material supplied to supply houses will not be acceptable.	
4.v	Bidders or Manufacturers who have provided the supply record and provided X-Mass Trees and Tubing Head Spools to OGDCL in the past and already fulfill the pre requisite criteria are required to submit the copies of purchase orders issued to them by OGDCL	
5	<b><u>Performance Certificates</u></b>	
5.i	In case Bidder or Manufacturer has not supplied X-Mass Trees to OGDCL then it is required to submit the 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 of Origin) regarding supply of X-Mass Trees, Tubing Head Spools (10,000 Psi Rating) must be provided with the technical bid.	
5.ii	The certificates must either be on the company letterhead or Official Email indicating the Name & Designation of the issuing Personnel along with complete contact details and address. The bidder must provide latest E-mail to directly verify the authenticity of these certificates/Emails from the issuing authority/company.	
5.iii	Certificates/Emails issued by supply houses. etc. will not be acceptable.	
5.iv	Performance of already supplied material will also be taken into consideration. The bid may be rejected subject to poor performance of already supplied material of similar rating/size	
6	<b><u>Financial Reports of the Bidder and Manufacturer</u></b> In case Bidder or Manufacturer 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) of the Bidder and Manufacturer separately (In case of Bidder & Manufacturer are not same) in order to verify its liquidity position, revenues, profitability of the company.	
7	<b><u>Delivery Requirements</u></b> i. The desired delivery period is 07 months C&F Karachi from the date of LC establishment. Bids received with more than 07 months delivery period may not be considered for evaluation. ii. In case of local Manufacturer, bidder needs to confirm delivery at OGDCL I-9 Store Islamabad or Korangi Base Store Karachi	

  
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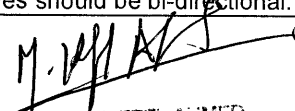
  
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8	<p><b><u>Local Manufacturer</u></b> In case of local Manufacturer who is claiming the price preference, the bidder will have to provide the following details regarding the finished and semi-finished products being imported for this tender.</p> <p>i. Identify the name of manufacturer(s) of the finished products, provide its (their) authority letter(s) and its (their) API-6A for the least ten (10) years,</p> <p>ii. Bidder needs to identify the name of the Mill(s)/Manufacturer(s) supplying the finished and 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.</p> <p>iii. Supply record of third party manufacturer for finished and semi finished and finished items being quoted in excess of at least 300 items individually in the last 10 years</p>	<p><i>Price Preference</i> <i>5% EDB</i> <i>EDB letter for value addition with bid.</i></p>
9	<b><u>Technical and Financial Evaluation Criteria</u></b>	
9.i	The technical and financial evaluation will be carried out on complete package basis. Bidders are requested to submit their bids as per SOR without missing any line item	
9.ii	The bidders are advised to quote all the line Items and in case of any issue the bidders should clarify during pre bid submissions clarifications and ensure the quote of each and every line Item.	
9.iii	Bidders must quote every line item, even if same is not required in their case. If any item is not required then they can mention this in remarks column.	
9.iv	<b><u>Technical Data Sheets and Technical Literature</u></b>	
9.v	Bidders are required to submit the technical data sheets of all the line items individually must specifying the metallurgy, pressure rating, temperature rating, ODs, IDs, Min Bore IDs, Lengths, Threads etc.	
10	<b><u>Material Test Certificates/Certificates of Conformance</u></b> The bidder to confirm that the material test certificates and certificates of conformance will be provided with the shipping documents.	
11	<b><u>Forged Material</u></b> Only forged Tubing head spools, Pack off flange, Gate valves, Flanges etc. will be acceptable, bidder to provide a clear cut confirmation in this regard.	
12	<b><u>Services Setup</u></b>	
12.i	The Bidder/Manufacturer to provide documentary evidence that they have their own or authorized services set up in Pakistan with at least 2 to 3 competent and experienced service engineers in Pakistan for successful execution of jobs.	
12.ii	The Authorized/Local services set up of bidder to provide the Pictures & Street Address of its local set up. OGDCL Team may visit Un Announced to Inspect the set up.	
12.iii	The Authorized/Local services set up should have provided services to E & P companies in Pakistan. Details of the services provided to be attached with the technical bid. In addition service provider will ensure that at least two engineers will always be available for OGDCL callout Notice.	
12.iv	The service provider must have sufficient number of service engineers to handle multiple simultaneous jobs	
12.v	The bid proposal should essentially include the CVs of Engineers that are expected to be deployed for the job, the lead service engineers must have more then 20 nos X-Mass Trees jobs experience, whereas the other must have a minimum of 10 X-mass Trees jobs experience. OGDCL will have the right to ask the service provider to replace the engineer while the job is being executed.	
12.vi	The Bidder will ensure to send Local Service Engineer at Job location within 02 days (maximum) after receiving mobilization notice from OGDCL.	
12.vii	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 journey to the OGDCL site, etc.	
12.viii	The Bidder to confirm that the quoted services rates will be valid till the consumption of the Purchase Order Equipment and its associated service order.	

  
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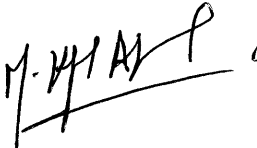
  
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12.ix	The Bidder to confirm that operating day rate will commence/applicable if the service engineer reaches at job location on or before 6 pm, operating day rate of service engineer on arrival and departure will only be included in the service ticket if the working hours on arrival day and departure day is at least 6 hours (1/4 day) on both occasions or mutually agreed at the job location.	
12.x	The stand by rates will be applicable when there is a delay encountered in the job and the service engineer has already reached at job location. Standby rates should not be more than 50% of the operating rates. Bidder is required to quote standby rates separately.	
12.xi	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 journey to the OGDCL site.	
12.xii	Only one Service Engineer charges will be applicable to carry out the completion Job	
12.xiii	Boarding lodging of Completion Engineer at job location 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.	
12.xiv	The Payment will be made as per actual services rendered at any OGDCL well on as and when required basis.	
12.xv	<u>The service rates are to be quoted in US Dollars</u> 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.	
13	<b><u>Material Specifications</u></b> The bidder is required to quote only forged material, as per API 6A Latest Edition, PSL-3, PR-2, Temperature Class 'U' Material Class FF-1.5' in Compliance with NACE MR-0175/ISO 15156 as per tender requirement	
14	<b><u>Tubing Hanger Design</u></b> Bidder is required to clearly specify the minimum, maximum and optimum torques. The length and diameter of the tubing hanger bottom at Serial no 20 should be 18" suitable for the application of 3-1/2" tubing power tong	
14.i	<b><u>Threading Facility of Tubing Hangers and X-Mass Tree Top Flange female pick up Threads</u></b> Bidders must submit the current API 5CT license(s) of the threading facilities which will be threading the Vam Top threads of tubing hangers (Serial # 20), and tree top cap female pickup threads (Serial # 1.5), these licenses must be valid at the time of bid submission.	
14.ii	<b><u>Surface Treatment of Tubing Hangers, X-Mass Tree Top Flange female pick up Threads</u></b> Bidder is required to confirm that the threads on the tubing hanger, and top flange inside threads will undergo proper surface treatment, in order to prevent thread damage due to galling and other threads problem as per material class FF-1.5. e.g. copper plating etc.	
15	<b><u>The Gate Valves must be of Forged Material and also fulfill the following requirements</u></b>	
15.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.	
15.ii	Body bushing must be free floating ( <b>pressed in body bushings are not acceptable</b> ).	
15.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.	
15.iv	Stem must be non rising type	
15.v	Valve stem and bonnet must have back seating feature (metal to metal) to allow stem packing change while under pressure.	
15.vi	Sealant injection ports on the valve body are not acceptable.	
15.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.	
15.viii	All the Gate valves should be bi-directional.	

  
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16	<b><u>Third Party Inspection (TPI)</u></b>	
16.i	OGDCL will arrange the Third Party Inspection, Bidder is required to confirm that they will provide necessary assistance to Third Party Inspection (TPI) Company. Third Party Inspection reports verified by OGDCL will be provided with the shipping documents for LC encashment, Bidder is required to confirm that they will timely inform the relevant TPI company and provide the necessary assistance during the inspection.	
16.ii	<b><u>Tentative Scope of Third Party Inspection</u></b>	
16.iii	<b><u>Material Test Certificates (MTCs)</u></b> Review of Material Test Certificates (MTCs) of all the equipment's in order to ensure that all materials are as per purchase order specifications API 6A latest Edition, PSL-3 PR-2, Temperature class 'U', Material class FF-1.5' as per purchase order	
16.iv	<b><u>PR2 Test Reports</u></b> TPI company will review the PR2 tests reports of equipment in accordance with API 6A latest Edition where applicable like Gate valves etc.	
16.v	<b><u>Tubing Hangers, Top Cap female pick up Vam Top Threads</u></b> TPI company will review Certificate of Conformance from Threading company that they have Threaded the Tubing hangers, top flange female pick up threads as per purchase order Vam Top threads	
16.vi	<b><u>Hydro Testing of Equipment</u></b> Third Party Inspector will witness 100 % consignment Hydrostatic test of Wellhead assemblies and Tubing head spools in assembled form will be performed by manufacturer by applying pressure individually as per API 6A latest edition testing procedure for 10,000 psi tubing head spools and X-mass trees. Report will be prepared by TPI and submitted to OGDCL before final inspection.	
16.vii	<b><u>Dimensional Inspection</u></b> Third Party Inspector will inspect/witness the dimensional check of all other major equipment's as per purchase order and manufacturer drawings e.g. ODs, IDs, Min Bore IDs, Lengths etc.	
16.viii	<b><u>Finished Equipment Inspection</u></b> Third Party Inspector will visually inspect the finished material in order to verify the equipment is brand new/unused and as per purchase order specifications and quantities in the open packing boxes.	
16.ix	<b><u>Photographs of Consignment</u></b> TPI Company will submit all purchase order items photographs along with the TPI report to OGDCL prior to submission of final inspection report.	
16.x	<b><u>Boxing and Packing</u></b> Third Party Inspector will confirm that consignment boxing and packing is as per API standards	
16.xi	<b><u>Submission of Inspection Report/Inspection Release Note by TPI;</u></b>	
16.xii	Place the signature /stamp on inspection release note/inspection report electronically in the original pdf files of inspection release note and inspection report.	
16.xiii	Mention OGDCL purchase order number and LC number in the first page of final inspection report/inspection release Note	
<b><u>Other Terms &amp; Conditions</u></b>		
1	Payment of Service Charges will be made through LC / TT / Cross Cheque upon completion of services and against verified invoices by Indenting Department.	
2	Clean Acceptance of terms & conditions of Tender Document, Schedule of Requirement is required from Bidder.	
3	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.	
4	Bidder to submit separate Data Summary Sheet (Annexure-E) for LC beneficiary of Material Providing Entity and Services Providing Entity.	

  
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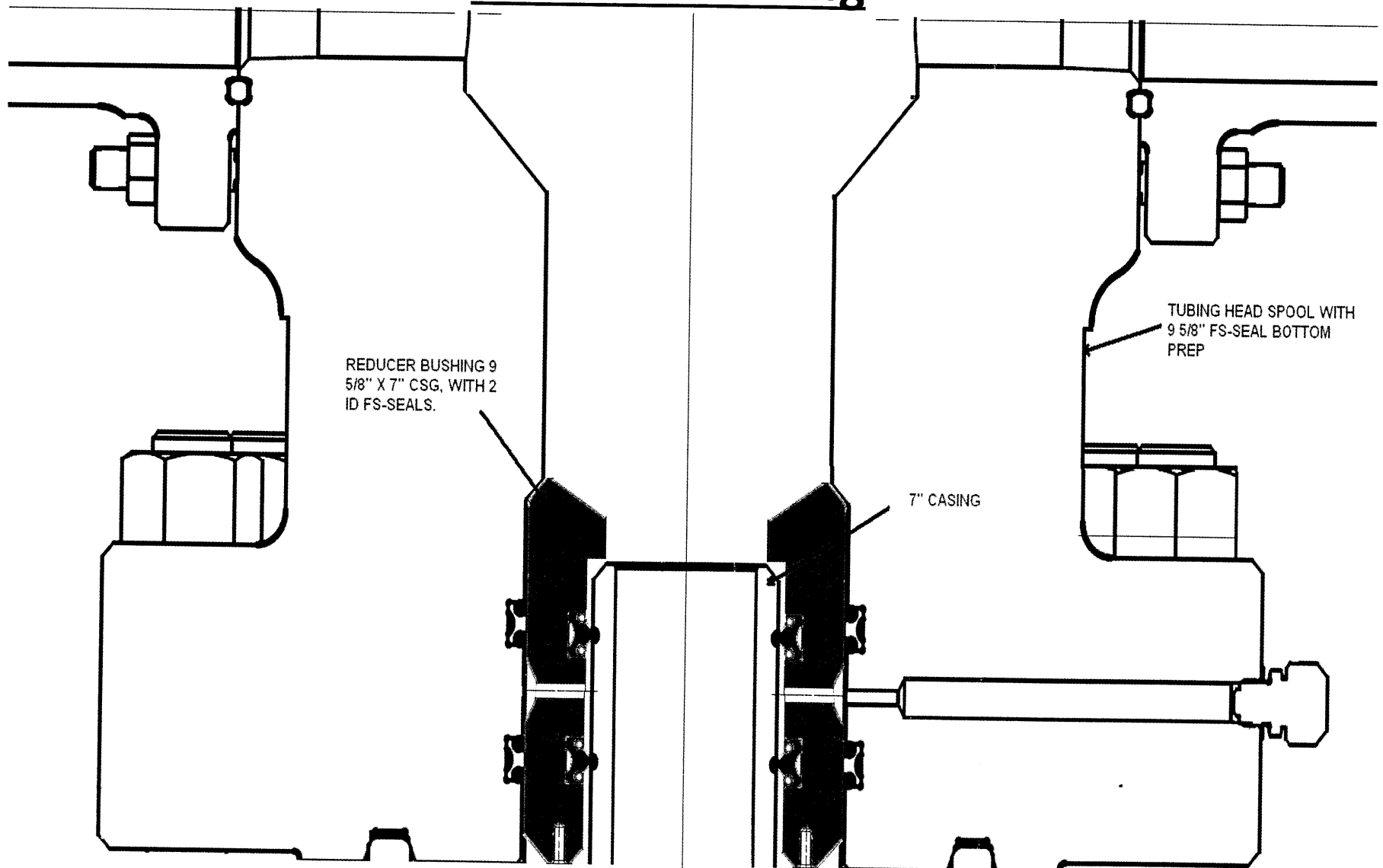
  
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5	<p>Foreign Procurement Payment Terms (Competitive Bidding, Pre-qualification and Proprietary Mode of Procurement): Following payments methods have been approved for Competitive Bidding/Press Tender, Prequalification and Proprietary mode of procurement effective from February 27, 2018.</p> <p>i. <u>Tender value less than or equal to US\$ 200,000:</u></p> <p>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.</p> <p>ii. <u>Tender value more than US\$ 200,000:</u></p> <p>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.</p>	
6	<p>1) The Bidding Procedure is "Single Stage - Two Envelope Procedure":</p> <p>All bidders are required to carefully read bidding procedure and terms &amp; conditions elaborated in OGDCL's Tender Document uploaded on Company's website under heading "Master Set of Tender Document OF TENDER DOCUMENT <del>FOR</del> SINGLE STAGE – TWO ENVELOPE <del>BIDDING</del> PROCEDURE."</p>	<p><i>Foreign (updated in MS-01-22)</i></p>

  
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**Figure-2**  
**Reducer Bushing**



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# FIGURE-1

TREE TOP ASSY OTIS 'G' 5-3/4" – 4 ACME  
3-1/2" 12.7 ppf. VAM Top Female Pickup  
Threads

3-1/16" 10K X-MASS TREE Material Class FF-1.5 in  
Compliance with NACE MR-0175/ISO 15156

POSITIVE  
CHOKE ASSY

GATE VALVE ASSY, SWAB, 3-1/16" 10K

INSTRUMENT FLANGE  
3-1/16" 10K

ADJUSTABLE  
CHOKE ASSY

STUDDED CROSS ASSY  
3-1/16" 10K

UMV HYDRAULIC ACTUATOR ASSY

TWO EXIT BLOCKS FOR 1/4" Control  
Line WITH 1/2" NPT CONNECTION

GATE VALVE ASSY, LMV, 3-1/16" 10K

Tubing Hanger with provision of two  
1/4" Continuous Control Line with  
Bottom 3-1/2 12.7 ppf. VAM Top Box  
and Top with 3-1/2" 12.7 ppf. VAM Top  
Box Connection, Double neck seals  
( Metallic & Elastomer) with BTM  
minimum 18"

ADAPTER ASSY  
11" 10K BOTTOM X 3-1/16" 10K TOP

TUBING HEAD SPOOL  
11" 10K BOTTOM X 11" 10K TOP  
2-1/16" 10K SIDE OUTLETS

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