

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

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

ANNEXURE 'A'

Material 6000 METERS OF PSL-2 3-1/2", 12.7. LBS/FT. NICKEL CHROME ALLOY, MINIMUM GROUP 3, MIN 110K PSI, YIELD
Tender Enquiry No STRENGTH , R2 TUBING AS PER API 5CRA
Due Date PROC-FC/CB/PROD/TUBING-4769/2020
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	3-1/2", 12.7 lbs/ft, Seamless Production tubing, threaded and coupled, Nickel Chrome Alloy, CRA Cold Worked Austenitic, Min Group 3 or Higher with 110K psi minimum yield strength as per API 5CRA. Complete Specs attached Technical Data Sheet.	Meter	6000					
2	Pin x Pin X-Over with threads one side to be same as the above quoted 3-1/2", 12.7 lbs/ft tubing and the other side to be 3-1/2", 12.7 lbs/ft, Vam Top Threads. Minimum length 2 feet, Complete specifications in attached Data Sheet.	Number	3					
3	X-Over, 3-1/2", 13.4 lbs/ft, IF Thread, L-80 material (Box) X 3-1/2", 12.7 lbs/ft with quoted tubing thread connections and material (Pin). Minimum length 2 feet. Complete specifications in attached Data Sheet.	Number	2					
4	Pup Joints, 2ft length, 3-1/2", 12.7 lbs/ft with same quoted tubing thread connections (Box Pin). Complete specifications in attached Data Sheet.	Number	3					
5	Pup Joints, 3ft length, 3-1/2", 12.7 lbs/ft, with the same quoted tubing threads (Box Pin). Complete specifications in attached Data Sheet.	Number	3					
6	Pup Joints, 5ft length, 3-1/2", 12.7 lbs/ft, with the same quoted tubing threads (Box Pin). Complete specifications in attached Data Sheet.	Number	3					
7	Pup Joints, 7ft length, 3-1/2", 12.7 lbs/ft, with the same quoted tubing threads (Box Pin). Complete specifications in attached Data Sheet.	Number	3					
8	Pup Joints, 10ft length, 3-1/2", 12.7 lbs/ft, with same quoted tubing threads (Box Pin). Complete specifications in attached Data Sheet.	Number	3					
9	X-Over, 3-1/2", 12.7 lbs/ft, with same quoted tubing threads connections (Box) X 3-1/2" 12.7 lbs/ft Vam Top (Pin). Minimum length 2 feet. Complete specifications in attached Data Sheet.	Number	5					
10	X-Over, 3-1/2" 12.7 lbs/ft Vam Top (Box) X 3-1/2", 12.7 lbs/ft, with same quoted tubing threads connections (Pin). Minimum length 2 feet Complete specifications in attached Data Sheet.	Number	5					
11	Loose couplings of the quoted tubing thread connections	Number	20					
12	Tubing threads sealing compound compatible with the quoted tubing running services (Dope), 300 Kg total Requirement. Any Packing size i.e 25/ 50/100 kg is acceptable.	Kilo Grams	300					

Note: 1) BID BOND OF USD 64,000/- OR EQUIVALENT PAK RUPPEE TO BE SUBMITTED WITH TECHNICAL BID. 2) THE ATTACHED TOR IS INTEGRAL PART OF SOR.

3-1/2", 12.7, lbs/ft ,Min 110 Ksi, R2, PSL-2 Seam Less Production Tubing Threaded and Coupled Hook type/Wedge type Cal IV tested Premium Thread Connections along with necessary Pup Joints and X-Overs. The material of the tubing and other accessories must be Nickel Chrome Alloy CRA Cold Worked Austenitic Min Group 3 or Higher with 110K psi minimum yield strength as per API 5CRA, in compliance with NACE MR0175/15156-3.

Sr #	Description	Quantity
1	3-1/2",12.7 lbs/ft, Seamless Production tubing, threaded and coupled connections as specified at S.No. 6 of the technical terms and conditions. The tubing material should be Nickel based Alloy CRA Cold Worked Austenitic Group 3 or Higher , Grade 110, PSL 2,Range 2 Tubing. Material having the chemical and mechanical properties specified at S. No. 2 of the technical terms and conditions	6000 Meters
2	Pin x Pin X-Over with threads one side to be same as the above quoted 3-1/2",12.7 lbs/ft tubing and the other side to be 3-1/2",12.7 lbs/ft,Vam Top Threads. Minimum length 2 feet, material as per serial no 1.	03 Numbers
3	X-Over, 3-1/2" , 13.4 lbs/ft, IF Thread ,L-80 material (Box) X 3-1/2",12.7 lbs/ft with quoted tubing thread connections and material (Pin). Minimum length 2 feet . Material to be minimum L-80 type 1.	02 Numbers
4	Pup Joints , 2ft length, 3-1/2",12.7 lbs/ft with same quoted tubing thread connections (Box X Pin). Material as per serial no 1	03 Numbers
5	Pup Joints , 3ft length, 3-1/2",12.7 lbs/ft , with the same quoted tubing threads (Box X Pin). Material as per serial no 1	03 Numbers
6	Pup Joints , 5ft length, 3-1/2",12.7 lbs/ft , with the same quoted tubing threads (Box X Pin). Material as per serial no 1	03 Numbers
7	Pup Joints , 7ft length, 3-1/2",12.7 lbs/ft , with the same quoted tubing threads (Box X Pin). Material as quoted in serial no 1	03 Numbers
8	Pup Joints , 10ft length, 3-1/2",12.7 lbs/ft , with same quoted tubing threads (Box X Pin). Material as per serial no 1	03 Numbers
9	X-Over, 3-1/2",12.7 lbs/ft, with same quoted tubing threads connections (Box) X 3-1/2" 12.7 lbs/ft Vam Top (Pin). Minimum length 2 feet Material as per serial no 1	05 Numbers
10	X-Over, 3-1/2" 12.7 lbs/ft Vam Top (Box) X 3-1/2",12.7 lbs/ft, with same quoted tubing threads connections (Pin). Minimum length 2 feet	05 Numbers.
11	Loose couplings of the quoted tubing thread connections	20 Numbers.
12	Tubing threads sealing compound compatible with the quoted tubing running services (Dope), 300 Kg total Requirement.Any Packing size i.e 25/ 50/100 kg is acceptable.	300 KGs

Technical Terms and Conditions

Sr #	Every bidder must comply the following conditions in order to be considered for Technical Evaluation . All the required supporting documents must be attached where applicable. Bidders failing to fulfil any of the requirement mentioned below would not be considered for further Evaluation and technically disqualified without seeking any clarifications. In case a bidder is quoting Stock Option for Tubing/Pup Joints/X-Overs even then the must also fulfill all of the Criteria mentioned below failing which the bid would not be considered for further Evaluation and technically disqualified without seeking any clarifications.	Bidder to comply /confirm the following in the Table and provide necessary documents accordingly.
1	<u>Evaluation Criteria</u> The technical and financial evaluation will be carried out on complete package, bidder to provide acceptance of this criteria. Failure to quote any of the line items will result in the technical and financial rejection of the bidders. Bidders are strongly advised to quote all the line items as per SOR without fail.	

3-1/2", 12.7, lbs/ft ,Min 110 Ksi, R2, PSL-2 Seam Less Production Tubing Threaded and Coupled Hook type/Wedge type Cal IV tested Premium Thread Connections along with necessary Pup Joints and X-Over. The material of the tubing and other accessories must be Nickel Chrome Alloy CRA Cold Worked Austenitic Min Group 3 or Higher with 110K psi minimum yield strength as per API 5CRA, in compliance with NACE MR0175/15156-3.

2	<p><u>Chemical and Mechanical Properties of the tubing, X-Over and Pup Joints</u> Nickel based Alloy CRA Cold Worked Austenitic Group 3, Grade 110, PSL 2, Range 2 Tubing. Material having the following chemical and mechanical properties</p> <p><u>Chemical Properties</u> Min Range for Group-3 or Higher with Min Ranges as follows: C = 0.025-0.03%, Cr = 24-28%, Ni = 29.5-36.5%, Mo = 2.5-4.0%, Mn = 1.0-2.50%, Si = 0.5-1.0%</p> <p><u>Mechanical Properties</u> Yield strength = Min 110 Ksi , Tensile strength = Min 115 Ksi , Hardness HRC = Min 32-35 , Collapse Pressure = Min 21,000 psi, Internal Yield = Min 20,000 psi</p>	
3	<p><u>Delivery Requirement</u> Due to Long Lead Nature of Nickel Alloy the Delivery is 10-12 Months with Maximum Delivery period as 12 Months. In case the bidder quotes more than 12 Months than Their Bid will be evaluated as per Tender Clause 23(F)</p>	
4	<p>In case the bidder and the pipe manufacturer are different, then the bidder must provide an original authority letter/OEM certificate from the Tubing/Pup Joints / X-overs manufacturer with the Technical Bid. In case bidder is offering Tubing/Pup Joint/X-overs from multiple pipe manufacturers then original authority letter/OEM certificate from each manufacturer has to be provided. The letter must be on company letter head, showing the name, designation and contact details (official e-mail) of the signing authority in order to verify the same</p>	
4.1	<p>In case of a stock Option the Bidder must provide Verifiable Traceability Documentary evidence of Purchase from the Original Equipment Manufacturer (Invoices/Purchase Orders etc which should be verified from the OEM) along with Verified MTC'S. The Material should not be more than 2 years Old till the Date of Bid Opening.</p>	
5	<p>The Tubing/Pup Joint/X-overs manufacturer(s) must be possessing have a valid API 5 CRA on the date of Bid Opening. In case if any manufacturing company has multiple manufacturing plants then only those plants will be considered who fulfill the required criteria.</p>	
6	<p><u>Quoted Premium Threads Connections</u> should be in compliance with the following Requirements for all Bidders/Manufacturers/Stockists.</p>	
6.1	<p>The manufacturer must have capability to provide thread connections which are tested in compliance with ISO-13679 2002 or API 5C5 2017 Application Level CAL-IV test of the quoted Thread size. If the quoted thread size is not tested then Test report for the sizes of quoted premium thread tubing which covers the range of the quoted thread/weight/size report showing the compatibility of the testing/qualification records with extrapolation/interpolations rules of ISO-13679 2002 ANNEX G or API 5C5 2017 must be submitted. ('Petroleum and natural gas industries —Procedures for testing casing and tubing connections').</p>	
6.2	<p>Premium Thread Connections should be hook type/WedgeType, etc to optimize Stress Distribution. Literature of the quoted Premium Threads should be provided. However in case of Cal IV Compliance as required other Thread designs may also be accepted.</p>	
6.3	<p>The Tensile, Compression & Burst/Collapse rating of the Quoted Premium Thread Connections must be equal to or exceed those of Pipe body. Literature supporting the requirement should be provided along with the bid.</p>	
6.4	<p>In case the threader(s) is(are) different from the Tubing/Pup Joint/X-Over manufacturer then the threader(s) , then the bidder must also provide an original authority letter/OEM certificate from the threader with the bids. The letter must be on company letter head, showing the name, designation and contact details (Official e-mail) of the signing authority in order to verify the same</p>	
6.5	<p>If the Threader has already supplied tubing/Pup Joints/X-Over to OGDCL or has been prequalified by OGDCL for supply of the quoted CAL IV tested premium thread connections and has already provided the satisfactory performance reports and other related documents to OGDCL in the past then the same are not required to be submitted with this tender.</p>	

3-1/2", 12.7, lbs/ft ,Min 110 Ksi, R2, PSL-2 Seam Less Production Tubing Threaded and Coupled Hook type/Wedge type Cal IV tested Premium Thread Connections along with necessary Pup Joints and X-Over. The material of the tubing and other accessories must be Nickel Chrome Alloy CRA Cold Worked Austenitic Min Group 3 or Higher with 110K psi minimum yield strength as per API 5CRA, in compliance with NACE MR0175/15156-3.

7	<u>Supply record and performance certifications of the Nickel Alloy CRA Material CAL IV Tested premium threads tubing (Threaded and coupled)</u> Bidder is required to provide the necessary data where applicable as point 7.1 to 7.6	
7.1	Bidder/ Manufacturer must have manufactured & supplied CAL IV tested premium threads production tubing (threaded and coupled) of size 2-7/8" or larger with Nickel Alloy CRA grades as specified at serial No 1 or higher to the multinational E&P companies preferably Exxon, PDO, KOC, Shell, BP, Total, ENI, OMV, MOL and other renowned foreign E & P companies (not belonging to the manufacturer's country) in excess of 100,000 meters during the last 10 years. Moreover the supply to the following E & P companies operating in Pakistan will also be acceptable like PPL, Mari, POL. The supply record must confirm this fact. The supply record must be independently verifiable i.e. the latest contact details (name, designation, official e-mail etc.) of the relevant persons in all the major customer organizations must be mentioned.	
7.2	Bidder must also provide the supply record of the threader(s) capability, in case it is (are) different from the tubing manufacturer(s). The threader must have cut and supplied at least 100,000 end Joints of CAL VI Tested Quoted Threads on any Grade Tubing to different multinational E&P companies or other renowned foreign E & P companies (not belonging to the manufacturer's country).	
7.3	Supply record comprising the Nickel Alloy CRA Grades Tubing sold to supply houses will not be considered unless the end user E&P Company is identified along with satisfactory performance reports/Documentations confirming the same.	
7.4	If the bidder has not already supplied threaded and coupled premium threads tubing with Nickel Alloy /CRA Grades to OGDCL then certificates of satisfactory performance in favor of bidder/pipe manufacturer(s)/threader(s) issued by authorized officials of at least 02 different multinational E&P companies preferably Exxon, PDO, KOC, Shell, BP, Total, ENI, OMV, MOL or other renowned E & P companies (not belonging to the manufacturer's country) or Pakistan based E & P companies like PPL, Mari, POL, UEPL. <u>regarding the quoted threads must be provided with the bid.</u> It is suggested that the certificates should preferably of a pattern providing the following information: i. Delivery period compliance ii. Performance of supplied pipe body iii. Performance of supplied threads of tubing The certificates must 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 in order to verify the same. Certificates issued by supply houses etc. will not be considered.	
8	If the bidder/Manufacturer has already supplied or is Pre Qualified for supply of Nickel Alloy/Super 13 Chrome or Higher Grade Tubulars with OGDCL, then Performance /Supply Record certificates for Tubing are not required.	
9	If the bidder has not already supplied tubing, from the quoted tubing manufacturer(s) and threader(s), of any size with Nickel Alloy/ Super 13 Chrome or Higher Grades to OGDCL then it is required to submit original print of the annual audited accounts reports separately for self, the Tubing/PupJoint/X-Over manufacturer(s) and threader(s) for last 03 consecutive years in order to ascertain their financial standing i.e. liquidity position, revenues, profitability etc. In case these reports are not in English then Notarized translations of the same must also be provided	
10	Bidder must provide the detailed technical literature/documents for the manufacturing/threading company.	
11	Bidder is required to submit the technical data sheets of the quoted tubing specifying the material chemical composition, mechanical properties size, threads name, OD, ID, drift ID, range, , burst & collapse pressure ratings etc.	
12	Running / Pulling, handling procedures & required torque values for the quoted tubing is to be submitted along with the technical quotation	
13	The bidder to confirm tubing tally specifying the length of individual joint is to be provided along with the shipping documents	
14	The bidder to confirm clearly in the Bid documents that the material test certificates will be provided with the shipping documents.	
15	<u>General Specification of the Production Tubing. Bidder is required to confirm</u>	
15.1	Tubing, pup joints & X-overs ends should be provided with proper thread protectors and exposed threads must be protected with an anti corrosion storage compound as per API recommendations for Nickel based alloy tubing	

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15.2	In case of award contract bidder is required to submit after delivery storage and handling recommendations of Nickel Alloy/CRA material along with shipping documents	
15.3	The length of every X-over should not be less than 2 feet.	
15.4	If requested by the bidder a delivery allowance of +0 & -3% for tubing can be allowed, however the payment will be made as per the actual quantity of tubing supplied.	
16	<p><u>THIRD PARTY INSPECTION (TPI)</u></p> <p>OGDCL will arrange Third Party Inspection however the scope of inspection will be provided prior to the commencement of job. Bidder is required to confirm that they will timely inform the relevant TPI company and provide the necessary assistance during the inspection.</p> <p>TPI report duly verified by OGDCL shall be part of shipping documents.</p>	