

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

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

ANNEXURE 'A'

Material 1.5" TUBING REEL FOR COILED TUBING UNIT (CTU)  
Tender Enquiry No PROC-FE/CB/STIM-5437/2022  
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	COILED TUBING, REEL OF LENGTH 5500M, O.D. 1-1/2"; Details are given in TOR under Annexure-1	Number	2					

Note:

**1. Bid Validity:** Bid must be **valid for 180 days** from the date of Technical Bid Opening

**2. Bid Bond Amount:**

USD 9,750/- (United States Dollars Nine Thousand Seven Hundred Fifty only) or equivalent Pak Rupees valid **for 210 days** from the date of Technical Bid Opening. Bidders are advised to carefully read all clauses related to Bid Bond in Tender Document (Press-Single Stage Two Envelope) available on OGDCL website

**3. Delivery Period:** 28 Weeks from the LC establishment.

**4. Evaluation Criteria:** - Full Consignment Wise on CFR by Sea , Karachi

**5.** Bidders are advised to carefully read all the terms and conditions of the Tender Document "Master Set of Foreign Tender Document (Press-Single Stage Two Envelope) available on OGDCL website which is an integral part of this Schedule of Requirement

**6.** No payment will be accepted in shape of traditional banking instruments like Pay Order, Bankers Cheque, and Demand Draft etc. However, there will be no change in acceptance of Bid Bond in shape of Bank Guarantees issued by the banks as per OGDCL Tender Document. Bidders are advised to ensure enclosure of documentary evidence of Transfer of Bid Bond amount into OGDCL Bank Account with their sealed technical bids at the time of bid submission. Failure to which shall result in rejection of their bid

1

OGDCL  
TENDER

# 1.5" Tubing Reel For COILED TUBING UNIT

[TERM OF REFERENCE (TOR) FOR  
1.5" TUBING REEL]

(ANNEXURE-I)

Prepared By .



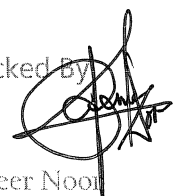
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Reviewed By



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Checked By



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## 1. Description

The tubing reel will be used on trailer mounted Coiled Tubing Unit (CTU) for well intervention series such as Nitrogen Kick off, Acid treatment, through tubing Scale removal, Cement Plug and abandonment, Milling, Cutting, Fishing and Specialized Well Intervention jobs of Oil and Gas wells.

## 2. Tubing Reel

QT-800 or equivalent "true taper" O.D 1.5" tubing of commutative length of 5500meters should be comprised of following sections:

Length (Starting from Inner end)	Accumulative length	Wall Thickness
2500M	2500M	0.156"
1500M	4000M	0.145"
1500M	5500M	0.134"

- 2.1 Minimum yield strength must be 80,000 Psi.
- 2.2 Minimum tensile strength must be 90,000Psi.
- 2.3 Maximum Hardness must be 22HRC.
- 2.4 1502 connection with the tubing reel must be provided.
- 2.5 Metal drum must be provided for the CT Reel.
- 2.6 Metal drum must be in a proper frame with forklift pockets.

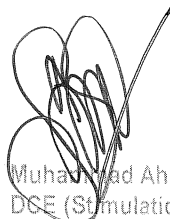
## 3. Certifications

The following valid and consecutive last 5 years, clear, readable certificates in English should be provided from the OEM along with the web addresses where these can be confirmed.

- 3.1 Quality management system(QMS); ISO 9001:2015 or latest & Valid upto 2023.



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#### 4. Warranty

OEM/Bidder will replace the supplied CT reel with the new CT reel, if found defective (Pin hole/pitting/improper weld joints & seam and elongation etc.)

#### 5. Inspection/Testing Results

Following testing results must be provided by the OEM/Bidder with CT reel:

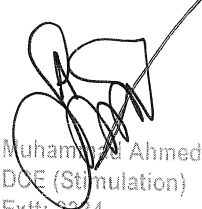
- 5.1 NDT (Non-destructive Testing) Inspection for body wall of the tube and seam welds etc.
- 5.2 ID Gauge Test
- 5.3 Hydrostatic Testing (water pH b/w 8 -9)
- 5.4 Dimensional Inspection
- 5.5 Visual Metallographic Inspection (As per ASTM E-1268 or equivalent test method)
- 5.6 Tensile Strength (Yield strength, Tensile Limit & Elongation) (As per ASTM A-370 & API 5LCP or equivalent test method)
- 5.7 Micro-hardness Testing in HRC (Hardness Rockwell C) units (As per ASTM E-140 or equivalent test method).
- 5.8 Flattering Test (As per ASTM A-370 & API 5LCP or equivalent test method).
- 5.9 Flare Test
- 5.10 Material Test certificate
- 5.11 Bend Test (As per ASME SA-53 or equivalent test method)
- 5.12 Reduction of Area (ROA) (Measurement & Record of reduction of area of the pulled tensile test sample)
- 5.13 String length measurement (-0, +1% of the ordered length is acceptable)
- 5.14 Welding certification
- 5.15 Weld location record
- 5.16 Fatigue test

#### 6. Third Party Inspection

Third Party Inspection (TPI) in the presence of OGDCL Stimulation Engineer will be conducted prior to the shipment of CT Reels at manufacturer facility. TPI will be done at OGDCL expense. 01 No. Stimulation Engineer from OGDCL will witness the whole inspection conducted by Third party and will remain available at OEM facility throughout the



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inspection procedure. OGDCL will bear the expense of 01. No. Engineer including tickets and boarding/lodging. The Bidder shall facilitate local transportation of visiting officials from hotel to Manufacturer facility and vice versa.


**Scope of TPI:**

- 6.1 All the Technical specs/requirements have been met as per TOR especially Clause-05.
- 6.2 Confirm that all the items are brand new, free from defect and non-refurbish.
- 6.3 Confirm that the Items arranged from other manufacturers (If any) are genuine and will check item serial numbers with OEM.
- 6.4 Any other quality inspection, including inspection plan/drawings (If any) required for this project.
- 6.5 All the gauges must be calibrated prior to function test of CT Reel.

**Final report will cover all the aspects detailed above and has to be submitted before the delivery of Equipment.**

**7. Terms and Conditions**

- 7.1 Supplier should provide the O.E.M. (Original Equipment Manufacturer) Certification for the CT Reel. Manufacturing date should clearly be mentioned on the certificate and CT Reel should be brand new.
- 7.2 Supplier will warrant that CT reel against the contract should be new, not refurbish and have no defect arising from design materials and manufacture and that the **supplier should replace the material if any defect found, at no cost to OGDCL.**
- 7.3 If CT reel found refurbished or used, then OGDCL have the right to blacklist the supplier.
- 7.4 Nitrogen must be purged through the CT reel in order to remove oxygen, water and water vapors and back filled and CT ends must be capped prior to shipment.
- 7.5 The finished CT must be shipped on a standard metal spool.
- 7.6 The inner & Outer surfaces of the tube must be coated with corrosion inhibitors for rust prevention.
- 7.7 Final electromagnetic inspection must be performed over 100% of the pipe body wall, including the seam weld, after hydrostatic testing for wall thickness conditions.

  
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- 7.8 Full body electromagnetic, visual and dimensional inspections including ovality, ballooning, necking, pitting, gouges, splits and the location of heavily cycled areas must be conducted and submitted prior to shipment.
- 7.9 Certification Data book which include the results of all measurement and tests (As per clause 5) taken during the production of the CT reel must be provided.
- 7.10 The results of CT reel assessment of section, length, specified diameters, specified wall thickness and mechanical properties like yield strength, measured tensile strength etc. must be supplied in a hard and soft form both.
- 7.11 Maximum **delivery period** of the CT Reel is 28 weeks after LC opening.
- 7.12 The Manufacturers/Bidders will be required to quote CFR Karachi by Sea Price.



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