

TERMS OF REFERENCE (TOR)

FOR

**ACQUIRING PREMIUM THREAD HEAVY WEIGHT
TUBING STRING SERVICES AT OGDCL WELLS**



**TENDER ENQUIRY # PROC-SERVICES/CB/PROD-
5407/2022**

TORs (TERMS OF REFERENCE)

ACQUIRING OF PREMIUM THREAD HEAVY WEIGHT TUBING STRING SERVICES AT ESTIMATED JOBS ON OGDCL WELLS FOR A PERIOD OF THREE YEARS

1. Operational Conditions

Following operational conditions are to be considered for tubing string:-

- 1.1 Differential pressure upto 15,000 Psi.
- 1.2 Utilization include but not limited to DST, TCP, frac, acid stimulation, nitrogen kick off etc.
- 1.3 Temperature Ranges upto 400 °F
- 1.4 H₂S upto 10 % and/or CO₂ upto 40%.

2. Scope of Work:

Estimated 12 jobs located anywhere in Pakistan during a period of three (03) years.

3. General Terms and Conditions:

- 3.1 Heavy weight tubing, tubing handling equipment (including RIH/POOH tools) and personnel must be available with the bidder in Pakistan or abroad at the time of bidding. In case of availability outside Pakistan, bidder shall make tubing, tubing RIH/POOH equipment tools and personnel available in Pakistan within 45 days of signing of contract. Failing to do so, the contract will be terminated and corresponding Performance Bank Guarantee will be confiscated.
- 3.2 Complete set of equipment and crew along with adequate backup should remain available with the bidder in Pakistan throughout the contract duration.
- 3.3 All certificates, documents, proof of work etc. should be in English language or accompanied with certified translation to English language.
- 3.4 All HSEQ responsibility shall rest with the contractor for any third party equipment and personnel supplied by the contractor.
- 3.5 Contractor to provide checklist of equipment, tools and other accessories along with crew before mobilizing to wellsite.
- 3.6 Successful bidder will provide the same personnel mentioned in their bid to carryout jobs. In case the service company engages the personnel other than those mentioned in their bid, the educational and experience certificate must be provided before mobilization. In case company fails to provide the necessary documentation, OGDCL reserves the right to cancel the personnel operation and stand by charges for that particular job.
- 3.7 The equipment and crew have to work round the clock as per operational activities.
- 3.8 Bidders to attach unpriced financial bid in their technical bid.

- 3.9 Bidder to arrange all safety equipment/services at their own for their personnel's whichever is required by them for working in extreme H₂S environment with no additional cost to OGDCL.
- 3.10 All equipment must be H₂S compliant.
- 3.11 OGDCL reserves the right to ask bidder for the replacement of any of their personnel due to incompetence or misbehavior at contractor's expense.
- 3.12 OGDCL will provide fuel, oil and lubricants that may be required by service company for operational purpose however, the same will be charged to service company as per actual and the cost will be deducted from the invoice.
- 3.13 Boarding / lodging and laundry services would be provided free of cost by OGDCL to the service company crew while working in the field.
- 3.14 If during job, it is ascertained that the service company is unable to perform / accomplish the job satisfactorily, OGDCL reserves the right to demobilize the service company.
- 3.15 Invoice for unsuccessful jobs due to malfunctioning of equipment and incompetency of crew will not be paid.
- 3.16 If any contractor's equipment fails/breaks down during operation at well site and causes delay, operating and standby charges both for crew/equipment will not be paid during shut down period.
- 3.17 The tubing joints should be properly inspected prior to each mobilization. The bidder to provide TPI certificates to the field engineer on arrival at location for the specific joints being used.
- 3.18 Maximum notice period for each call-out is 3 days and maximum transit time from company base to OGDCL location is 4 days.
- 3.19 No damage or repair charges for tubing, pup Joints and X-overs will be entertained if the well conditions are abiding by the operational conditions mentioned above.
- 3.20 In case of lost in hole / damage beyond repair, the bidder will be required to provide the landed cost. Payments will be made on depreciated rates keeping in view the usage and time lapse since manufacture date.
- 3.21 Equipment handling is to be done by the bidder therefore any LIH and damage due to mishandling / wear and tear due to repetitive rental usage will be on the bidder's account. LIH, repair and DBR charges will only be applicable to OGDCL if the reason of LIH/damage is evaluated and determined to be at OGDCL's end.
- 3.22 If required third party inspection/evaluation will be carried out as per predefined scope with mutual consent. Any additional cost for third party inspection/evaluation will be on bidders account.
- 3.23 Bidder must quote the cost of every item of financial bid, incomplete bid will not be entertained. Bidder must strictly follow and quote prices as per financial bid format. No clause with "if & but" having financial impacts will be entertained.

- 3.24 Daily operating and standby charges of equipment and crew must remain uniform/fixed for all days, where ever these charges are applicable.
- 3.25 Quantities, millage, days etc. mentioned in evaluation model are for evaluation purpose only and may change as per actual operational conditions. Payment to be made as per actual.
- 3.26 Standby charges for both equipment and crew will not be applicable for the day of mobilization/demobilization and operation.
- 3.27 Partial availability of crew or equipment will not attract any charges.
- 3.28 The bidder will be responsible to arrange the logistics for transportation, loading and unloading of its equipment both at service company base and at OGDCL site and for mobilization/demobilization of crew. OGDCL will not provide any transportation services.
- 3.29 Mob/De-mob charges (Per Km) will be calculated according to the distance as per OGDCL distance chart or as per actual for the locations not mentioned in the distance chart.
- 3.30 Tubing length which is in-hole or connected at surface with in-hole tubing will be considered as operating, remaining including those racked on derrick floor will be considered as standby.
- 3.31 During traveling (mobilization/de-mobilization) phase, no operating/stand-by charges will be admissible.
- 3.32 OGDCL shall not be accountable for any personnel injury during Mob/De-mob, loading, offloading and during the course of operations at well site. Health insurance of deployed crew will be the responsibility of the bidder.
- 3.33 The standby rates of equipment and personnel must not exceed 50 % of operational charges for all equipment / personnel, otherwise 50% standby shall be considered for evaluation and payment purpose.
- 3.34 If, after mobilization / reporting at site, job is cancelled then only mobilization / de-mobilization charges for crew / equipment will be paid. No job cancellation charges are admissible.
- 3.35 Adequate back-up services / equipment should be available at well site. However, OGDCL will not pay for backup equipment.
- 3.36 The bidder will provide the X-overs and pup Joints required for completing the rental string.
- 3.37 Bidder to confirm compliance to OGDCL's HSEQ policy.
- 3.38 All bidders must give "clean acceptance" to OGDCL terms & conditions and withdraw all exceptions, if any, to become eligible for technical evaluation.
- 3.39 All technical details for items specified in section "Technical Evaluation Criteria" must be covered in technical bid.
- 3.40 The bidder to clearly read and understand the OGDCL TOR and tentative scope of work. No correspondence and queries regarding change/splitting of estimated scope of work, bid bond and performance bank guarantee will be accepted.
- 3.41 Extension in bid submission date is not allowed, bidder to submit their bid proposal at prescribed bid submission date and time.
- 3.42 The scope of work is tentative. OGDCL may increase or decrease the scope of work without any change in rates and terms & conditions.

3.43 OGDCL reserves the right to accept or reject any/all bid (s) or annul the entire bidding process at any time prior to award of contract without taking any responsibility of the affected bidder(s) and is not bound to justify the reasons to the affected bidder(s).

4 Duration of Contract:

4.1 The duration of the contract will be three (03) years starting from the date of issuance of LOI.

4.2 The bid proposal/rates should remain valid unconditionally during the term of contract.

4.3 The **Rate Running Contract** (as and when required basis) will remain intact till the completion of jobs on wells where contractor is mobilized for the job during the contract period, however, any extension in term of contract will be subject to mutual consent of both the parties in writing

5 Payment Terms

5.1 The bidder to quote rates in US\$ and should be fixed/firm and inclusive of all applicable taxes, duties and levies etc. except Provincial Sales Tax/ICT Tax on services.

5.2 The payments to the service company will be made in 100% equivalent Pak rupees, at actual, against verified invoices at official exchange rate prevalent on the date of payment.
(This clause will prevail instead of Master Tender document "ITB" clause # 07 'PAYMENT').

6 BID BOND:

Bid bond/Bid security amounting to US\$ 20,000.00 (US Dollar Twenty Thousand Only) is to be attached/provided with financial bid. Please see master set of tender document for further details.

7 MODE OF PROCUREMENT:

Bids against this tender are invited on "**Single Stage Two Envelope Bidding Procedure**" through press tendering, therefore, the bidders shall submit one original technical bid along with its soft copy and one original financial bid.

Note: The Master set of tender documents for services uploaded on OGDCL's website (www.ogdcl.com) is the integral part of this TOR.

Technical Evaluation Criteria.

1. Only technically qualified bidder(s) will be considered for financial evaluation.
2. OGDCL reserves the right to visit bidder's operational base and check inventory and verify the information provided in the bid at any stage during the evaluation of the bids.
3. All the bidders must fulfill the requirements below to technically qualify. Even single "no" in below mentioned tables will result in technical disqualification. All the bidders are required to submit the below tables as per given pattern.

Sr.	Description	Availability
1.1	<p>The bidders to have an existing operational base available in Pakistan at the time of bidding. Complete crew and equipment as mentioned below must be available with the bidder in Pakistan or abroad at the time of bidding. In case of availability outside Pakistan, bidder shall make tubing, tubing RIH/POOH equipment tools and personnel available in Pakistan within 45 days of signing of contract. Failing to do so, the contract will be terminated and corresponding Performance Bank Guarantee will be confiscated.</p> <p>The equipment and crew must be retained in Pakistan throughout the duration of the contract. If required, the OGDCL team may visit the facilities to confirm the same after submission of the bid and throughout the term of the contract at bidder's expense.</p>	Yes/No
1.2	<p>Tubing OD 4-1/2" (R-2), Nominal ID ± 3.64", Drift ID ± 3.515" minimum L-80/T-95 Grade, Hydril PH-6 or equivalent premium threads connections with thread protector and dope.</p> <p>Minimum of 15,000 Psi Burst & Collapse Pressure (pipe body & connection).</p> <p>Must be H₂S resistant.</p> <p>Minimum quantity required = 6,000 Meters</p> <p>The bidder to provide technical data sheet, inventory list and documentary evidence of the tubing availability inside Pakistan.</p>	Yes/No
1.3	<p>Tubing OD 3-1/2" (R-2), Nominal ID 2.750", Drift ID 2.625", minimum L-80/T-95 Grade, hydril PH-6 or equivalent premium threads connections with thread protector and dope.</p> <p>Minimum of 15,000 Psi Burst & Collapse Pressure (pipe body & connection).</p> <p>Must be H₂S resistant.</p> <p>Minimum quantity required = 3,000 Meters</p> <p>The bidder to provide technical data sheet, inventory list and documentary evidence of the tubing availability inside Pakistan.</p>	Yes/No

1.4	<p>Tubing OD 2-7/8" (R-2), Nominal ID 2.259", Drift ID 2.165", minimum L-80/T-95 Grade, Hydril PH-6 or equivalent premium threads connections with thread protector and dope.</p> <p>Minimum of 15,000 Psi Burst & Collapse Pressure (pipe body & connection).</p> <p>Must be H₂S resistant.</p> <p>Minimum Quantity required = 2,000 Meters</p> <p>The bidder to provide technical data sheet, inventory list and documentary evidence of the tubing availability inside Pakistan.</p>	Yes/No
1.5	<p>The bidder should provide all the required API certified X-Overs of different sizes i.e. 4-1/2", 3-1/2" & 2-7/8" etc. for tubing and pumping subs as per DST/TCP and fracturing requirement etc. compatible with combination string (If required) & with equivalent thread connections to tubing and various API threads (IF, NUE, EUE, CS Hydril etc.).</p> <p>The X-Overs should be available as ex-stock items to cover all the DST/ TCP String/ Acid stimulation/Fracturing requirements. List of available X-Overs to be provided along with the technical proposal.</p> <ul style="list-style-type: none"> • In addition, 3-1/2", 4-1/2" & 2-7/8", PH-6 X 1502 WECO connection X-Over should also be available and list to be provided along with the technical proposal. • In case the bidder does not have the X-overs available in stock then the bidder will be required to confirm that they will arrange/fabricate the same. <p>The bidder will be informed prior to the job to arrange the required X-overs.</p>	Yes/No
1.6	<p>The bidder should provide API certified pup joints of different lengths and sizes as per operational requirement. The pup joints to cover all the DST/ TCP String, Acid stimulation/Fracturing requirements. List of Available pup joints to be provided along with the Technical Proposal.</p> <p>The bidder will be informed prior to the job to arrange the required pup joints.</p>	Yes/No
1.7	<p>The bidder should provide all the required API certified Flanges of different sizes and pressure ratings along with ring gas kit including but not limited to</p> <ol style="list-style-type: none"> i. 4-1/16", 5K/10K x 1502 WECO ii. 3-1/16", 10K x 1502 WECO, iii. 3-1/8", 5K x 1502 WECO, iv. 2-1/16", 5K/10K x 1502 WECO or any other size <p>The bidder will be informed prior to the job to arrange the required flanges.</p>	Yes/No
1.8	<p>The bidder must have their own capability to thread API certified/ PH-6 or 100% interchangeable threads and API threads OR must have a working relationship with an authorized setup in Pakistan. The bidder to submit documentary evidence.</p>	Yes/No

1.9	The bidder to provide mill test certificates, recent valid inspection reports, import documents and purchase order copies to confirm the rating, condition and feasibility of the rental tubing for the required services.	Yes/No
1.10	Only Hydril 'PH-6' threads e.g. Grant Prideco's RTS-6, TPS Technitube "TS-6", Hunting TS-HD, "OECO-C", Benoit "BTS-6", Weatherford's WTS-6 or equivalent threads are acceptable. (If the bidder is offering any other interchangeable threads (other than the mentioned above) then the quoted threads should be 100% interchangeable with Hydril "PH-6" without the use of any X-over. The bidder to provide documentary evidence /certificate confirming the same.	Yes/No
1.11	The tubing string handling, RIH and POOH to be arranged by the bidder with adequate back up for each item and should include but not limited to the following Items for 2-7/8", 3-1/2" and 4-1/2" tubing, 4-3/4" drill collars (OGDCL owned or any third party), relevant X-Overs & pup joints. Hydraulic tubing tong with integral back up. i Hydraulic power unit ii Single joint elevator. iii Slip type elevator 75 ton. iv Slip type elevator 150-175 ton. v Stabbing guide. vi Thread protectors. vii Jam unit. viii Hand slip. ix Safety clamps. x Teflon drift. xi Any additional item required for handling/ running/pulling of tubing string and drill collars which are not mentioned in the above list above should also be arranged by the bidder without any additional cost. xii The bidder to provide third party certification for equipment reliability.	Yes/No
1.12	The Job supervisors and operators must have working experience of minimum three (03) years of providing tubing handling, RIH and POOH of tubing. Must have performed minimum of 30 relevant jobs inside or outside Pakistan. Proof of jobs in the form of job tickets or experience letter clearly describing the nature and number of jobs performed by professionals are required to confirm the same.	Yes/No

Financial Evaluation Model

Table 1: Tubing String					
Sr.	Description	UNIT		Unit Rate	Total Cost
	Equipment (Tubing String)	Days	Length (meter)	US\$/Day/meter	US\$
		(C)	(D)	(E)	(F)
1	4-1/2" Tubing string Operating Charges	480	4,000		=C*D*E
2	4-1/2" Tubing string Standby Charges	120	4,000		=C*D*E
3	3-1/2" Tubing string Operating Charges	480	1,000		=C*D*E
4	3-1/2" Tubing string Standby Charges	120	1,000		=C*D*E
5	2-7/8" Tubing string Operating Charges	480	1,000		=C*D*E
6	2-7/8" Tubing string Standby Charges	120	1,000		=C*D*E
Total for table 1					=SUM(R1:R6)

Table 2: RIH, POOH handling gear package for 2-7/8", 3-1/2" and 4-1/2" tubing, 4-3/4" drill Collars				
Sr.	Description	(F)	(G)	(H)
		UOM	Daily Rates	Total Cost
		Days	(US\$/Day)	(US\$)
1	Tubing/Drill collars RIH/POOH Handling gear package –Operating	500		= F*G
2	Tubing/Drill collars RIH/POOH Handling gear package – Standby	150		=F*G
Total for Table 2				=R1+R2

Table 3: Tubing/Equipment Mob/De-Mob					
Sr.	Equipment Mob/De-mob	Distance KM	No. of Trailers	US\$/Km/Trailer	Total Cost (F)
		(C)	(D)	(E)	(US\$)
1	Tubing, handling gear Mob/de-mob(complete equipment including Flanges, X-overs, pup joints ,RIH/POOH handling equipment and all other associated equipment)	800	84		=C*D*E
Total for Table 3					=R1

Table 4: Crew Charges					
Sr	Description	(D)	(E)	(F)	(G)
		Persons	Days	Daily Rates/Person	Total Cost
		Nos.	Nos.	US\$/Day/Person	US\$/Day
1	Job Supervisor Operating Charges	1	500		=D*E*F
2	Job Supervisor Standby Charges	1	150		=D*E*F
3	Tong Operator Operating Charges	2	500		=D*E*F
4	Tong Operator Standby Charges	2	150		=D*E*F
5	Jam Operator Operating Charges	2	500		=D*E*F
6	Jam Operator Standby Charges	2	150		=D*E*F
7	Extra crew for handling, loading ,un-loading stacking , lifting of Tubing-Operating	4	500		=D*E*F
8	Extra crew for handling, loading, un-loading stacking , lifting of Tubing-Standby	4	150		=D*E*F
Total for Table 4					=SUM(R1:R8)

Table 5: Crew mobilization/de-mobilization					
Sr.	Description	(D)	(E)	(F)	(G)
		No. of Vehicles	Distance	Mob/De-mob	Total Cost
		Nos.	KM	US\$/Km/Vehicle	US\$
1	Tubing RIH/POOH crew	36	800		=D*E*F
Total for Table 5					=R1

Table 6: X-Overs of all sizes and threads					
Sr	Description	(D)	(E)	(F)	(G)
		Days	No. of X-Overs	Rental Rate/ X-Over /day	Total Rental Cost
		Nos.	Nos.	US\$/Day/X-over	(US\$)
1	X-Overs Operating rates	500	15		=D*E*F
2	X-Overs Standby rates	150	5		=D*E*F
Total for Table 6					=R1+R2

Table 7: Pup Joints for 4-1/2", 3-1/2" & 2-7/8" tubing (any length)					
Sr	Description	(D)	(E)	(F)	(G)
		Days	No. of Pup Joints	Rental Rate/ Pup Joint/day (US\$/Day/pup joint)	Total Rental Cost (US\$)
1	4-1/2" Pup Joint Operating Charges	480	4		=D*E*F
2	4-1/2" Pup Joint Standby Charges	120	3		=D*E*F
3	3-1/2" Pup Joint Operating Charges	480	2		=D*E*F
4	3-1/2" Pup Joint Standby Charges	120	1		=D*E*F
5	2-7/8" Pup Joint Operating Charges	480	2		=D*E*F
6	2-7/8" Pup Joint Standby Charges	120	1		=D*E*F
Total for Table 7					=SUM(R1:R6)

Table 8: Flanges					
Sr.	Description	(D)	(E)	(F)	(G)
		No. of Days	No. of Flanges	Rate per day per flange	Total Cost
		Nos.	Nos.	(US\$/Day/flange)	(US\$)
1	2-1/16", 5K/10K/15K x 1502 WECO Operating Charges	100	2		=D*E*F
2	2-1/16", 5K/10K/15K x 1502 WECO Standby Charges	50	2		=D*E*F
3	3-1/8", 5K x 1502 WECO Operating Charges	100	2		=D*E*F
4	3-1/8", 5K x 1502 WECO Standby Charges	50	2		=D*E*F
5	3-1/16", 10K/15K x 1502 WECO Operating Charges	100	2		=D*E*F
6	3-1/16", 10K/15K x 1502 WECO Standby Charges	50	2		=D*E*F
7	4-1/16", 5K/10K/15K x 1502 WECO Operating Charges	100	2		=D*E*F
8	4-1/16", 5K/10K/15K x 1502 WECO Standby Charges	50	2		=D*E*F
Total for Table 8					=SUM(R1:R8)

Table 9: Dope				
Sr.	Description	Qty.	Unit Rate	Total Cost
		Buckets	US\$/Bucket	US\$
		(D)	(E)	(F)
1	Dope Bucket	12		=D*E
Total for Table 9				=R1

Table 10: LIH/DBR				
Sr.	Description	No. of Joints	US\$/Joint	US\$
		(D)	(E)	(F)
1	4-1/2" Tubing Joint	350		=D*E
2	4-1/2" Pup Joint any length	10		=D*E
3	3-1/2" Tubing Joint	200		=D*E
4	3-1/2" Pup Joint any length	10		=D*E
5	2-7/8" Tubing Joint	200		=D*E
6	2-7/8" Pup Joint any length	10		=D*E
7	X-over, all sizes and thread types	10		=D*E
8	Flange any size and rating	5		=D*E
Total for Table 10				=SUM(R1:R8)

Sr.	Table #	Description	Table Totalizer
1	Table-1	Tubing String	Total for Table 1
2	Table-2	Tubing/Drill Collars handling gear package	Total for Table 2
3	Table-3	Tubing/Equipment Mob/De-Mob	Total for Table 3
4	Table-4	Crew Charges	Total for Table 4
5	Table-5	Crew Mobilization/De-mobilization	Total for Table 5
6	Table-6	X-OVERS	Total for Table 6
7	Table-7	Pup Joints	Total for Table 7
8	Table-8	Flanges	Total for Table 8
9	Table-9	Dope	Total for Table 9
10	Table-10	LIH/DBR	Total for Table 10
GRAND TOTAL FOR ALL TABLES			=SUM (R1: R10)

Note:

1. The tubing string charges should be inclusive of the following:
 - i) Cost of the third party inspection at bidder's yard before and after the job.
 - ii) Onsite inspection or replacement.
 - iii) I.D cleaning charges.
 - iv) Routine repair charges.
 - v) Loading/unloading and handling.
2. Financial evaluation shall be carried out on Grand Total for All Tables and contract shall be awarded to the technically qualified bidder with lowest Grand Total for All Tables.