

TERMS OF REFERENCE (TOR)

FOR

**HIRING OF PREMIUM THREAD TUBING STRING
AND DRILL COLLAR SERVICES**



**TENDER ENQUIRY # PROC-
SERVICES/CB/PROD-5192-A/2021**

TERMS OF REFERENCE / SCOPE OF WORK
FOR ACQUIRING PREMIUM THREAD TUBING STRING AND DRILL COLLAR SERVICES

1. Operational Conditions

Following operational conditions are to be considered for tubing string and drill collars:

- 1.1 Differential pressure upto 15,000 Psi.
- 1.2 Jobs on which the services will be used include but are not limited to Hydraulic fracturing, acid fracturing, DST, acid stimulation, nitrogen kick off and TCP jobs.
- 1.3 Temperature Ranges upto 400 °F
- 1.4 H₂S upto 10 % and/or CO₂ upto 40%.

2. Scope of Work:

Estimated 66 wells located anywhere in Pakistan during a period of three (03) years.

3. General Terms and Conditions:

- 3.1 Tubing, tubing handling equipment (including RIH/POOH tools) and personnel for performing jobs on minimum 05 wells simultaneously 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 90 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 capable of performing jobs on 05 wells simultaneously as per contract should remain available with the bidder in Pakistan throughout the period of the contract.
- 3.3 All certificates, documents, proof of work etc. should be in English language; if not then they shall be 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 will provide check list 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 bids in their technical bids.
- 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 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.
- 3.16 Invoice for unsuccessful jobs due to malfunctioning of equipment and incompetency of crew will not be paid.
- 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 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.
- 3.22 Bidder must quote the cost of every item of financial bid format otherwise 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.
- 3.23 Daily operating and standby charges of equipment and crew must remain uniform/fixed for all days, where ever these charges are applicable.
- 3.24 Quantities, number of jobs per well and type of jobs mentioned in evaluation model are for evaluation purpose only. Type of job for each category, tubing string requirement, drill collar requirement and number of jobs per well may change as per actual well condition. Payment to be made as per actual.
- 3.25 Standby charges for both equipment and crew will not be applicable for the day of mobilization/demobilization and operation.
- 3.26 There will be 03 free equipment standby days, each before the start of first job as well as after the completion of last job while 05 equipment standby days will be free of cost between each successive jobs.
- 3.27 Partial availability of crew or equipment will not attract any charges.
- 3.28 The bidder will be responsible to arrange the transportation for its equipment and 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 and number of trailers actually mobilized/demobilized.
- 3.30 Operating charges of crew/equipment is admissible on reporting day only if the job starts on the same day.
- 3.31 Tubing which are inhole or connected at surface with inhole tubing will be considered as operating, remaining will be considered as standby.

- 3.32 During traveling (mobilization/de-mobilization) phase, no operating/stand-by charges will be admissible.
- 3.33 The handling will be done by the bidder therefore any repair and damage due to mishandling / wear and tear due to repetitive rental usage will be on the bidder's account. Repair and damage charges will only be applicable to OGDCL if the reason of damage is evaluated and determined to be at OGDCL's end.
- 3.34 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.
- 3.35 The standby rates of equipment and personnel must not exceed 50 % operational charges for all equipment / personnel.
- 3.36 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.
- 3.37 Adequate back-up services / equipment should be available on well site. However, OGDCL will not pay for backup equipment.
- 3.38 The bidder will provide the X-Overs and pup Joints required for completing the rental string.
- 3.39 Bidder to confirm compliance to OGDCL's HSEQ policy.
- 3.40 All bidders must give "Clean Acceptance" to OGDCL terms & conditions and withdraw all exceptions, if any, to become eligible for technical evaluation.
- 3.41 All technical details for items specified in Section "Technical Evaluation Criteria" must be covered in technical bid.
- 3.42 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.
- 3.43 The scope of work is tentative. OGDCL may increase or decrease the scope of work without any change in rates and terms & conditions.
- 3.44 The services covered in this tender are currently being hired through three different rate running contracts. All the existing contract will be terminated as soon as the contract is signed with the lowest evaluated bidder against this tender or subject to availability of services by the contractor within 90 days after signing of contract if services are currently not available in Pakistan at the time of signing of contract. However for the jobs where services are mobilized before the effective date of new contract will be covered in the previous contract.
- 3.45 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 date of signing of contract.
- 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 prices quoted by bidder in financial bid are to be in US\$ and should be fixed/firm and are 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% 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\$ 52,800.00 (US Dollar Fifty Two Thousand Eight Hundred 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. Bidder to provide documentary evidence for each criterion where proof is demanded. Provide documents, photographs for inventory claims.
4. 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	The bidders to have an existing base, complete crew and equipment as mentioned below anywhere around the globe at the time of bidding. In case of availability outside Pakistan, bidder must confirm that the same will be arranged in Pakistan within 90 days of signing of contract and will be retained in Pakistan throughout the duration of the contract. Failing to do so will result in the confiscation of the bank guarantee. 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.	Yes/No
1.2	Tubing OD 4-1/2" (R-2), Nominal ID 3.64", Drift ID 3.515", minimum L-80/T95 Grade, hydril PH-6 or equivalent premium threads connections with thread protector and dope. Minimum of 15,000 Psi Burst & Collapse Pressure (pipe body & connection). Must be H ₂ S resistant. Minimum quantity required = 6,000 Meters The bidder to provide technical data sheet, inventory list and documentary evidence of the tubing availability inside or outside Pakistan.	Yes/No

1.3	<p>Tubing OD 3-1/2" (R-2), Nominal ID 2.750", Drift ID 2.625", minimum L-80/T95 Grade, hydril PH-6 or equivalent premium threads connections with thread protector and dope. Minimum of 15,000 Psi Burst & Collapse Pressure (pipe body & connection). Must be H₂S resistant.</p> <p>Minimum quantity required = 15,000 Meters</p> <p>The bidder to provide technical data sheet, inventory list and documentary evidence of the tubing availability inside or outside 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/T95 Grade, Hydril PH-6 or equivalent premium threads connections with thread protector and dope. Minimum of 15,000 Psi Burst & Collapse Pressure (pipe body & connection). 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 or outside Pakistan.</p>	Yes/No
1.5	<p>Drill collars OD (R-2), 4-3/4", 47 PPF, with 3-1/2" PH-6 or interchangeable thread connections with thread protectors and dope. Minimum of 15,000 Psi Burst & Collapse Pressure (pipe body & connection). Must be H₂S resistant.</p> <p>Minimum Quantity required = 1,500 Meters</p> <p>The bidder to provide technical data sheet, inventory list and documentary evidence of the tubing availability inside or outside Pakistan.</p>	Yes/No
1.6	<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). The X-Overs include but not limited to following</p> <ol style="list-style-type: none"> i. 3-1/2" PH-6 (B) x 3-1/2" IF (P) ii. 3-1/2" PH-6 (P) x 3-1/2" IF (B) iii. 4-1/2" PH-6 (P) x 3-1/2" IF (B) iv. 4-1/2" PH-6 (B) x 3-1/2" IF (P) v. 2-7/8" PH-6 (P) x 3-1/2" IF (B) vi. 2-7/8" PH-6 (B) x 3-1/2" IF (P) <p>or any other size, threads</p> <ul style="list-style-type: none"> • 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. • 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
1.7	<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
1.8	<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
1.9	<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

1.10	The Bidder to provide Mill Test certificates, recent 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
1.11	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
1.12	The tubing string and drill collar 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 <ul style="list-style-type: none"> i 2-7/8", 3-1/2" and 4-1/2" tubing, 4-3/4" drill collars, relevant X-Overs & pup joints. ii Hydraulic tubing tong with integral back up. iii Hydraulic power unit iv Single joint elevator. v Slip type elevator 75 ton. vi Slip type elevator 150-175 ton. vii Stabbing guide. viii Thread protectors. ix Jam unit. x Hand slip. xi Safety clamps. xii Teflon drift. Any additional item required for handling/ running/pulling of tubing string and drill collars which are not mentioned in the list above should also be arranged by the bidder without any additional cost. The bidder to provide third party certification for equipment reliability.	Yes/No
1.13	Availability of experienced and qualified crew in the technical and operational segments within the organization of the bidder. 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
1.14	The bidder to confirm the commitment to perform 04 jobs simultaneously exclusively on OGDCL wells. The equipment and crew required for performing jobs on 04 simultaneous OGDCL wells remain available with the bidder in Pakistan during the entire period of contract.	Yes/No
1.16	All the equipment and crew mentioned above must be available with the bidder in Pakistan or anywhere around the globe at the time of bidding. Bidder to provide list of each equipment and current location of the equipment along with photographs. The bidder to provide list of equipment and crew.	Yes/No

FORMAT FOR RATES

Sr	Description	Unit Rate
Equipment		US\$/Day/meter
1	4-1/2" Tubing string Operating Charges	
2	4-1/2" Tubing string Standby Charges	
3	3-1/2" Tubing string Operating Charges	
4	3-1/2" Tubing string Standby Charges	
5	2-7/8" Tubing string Operating Charges	
6	2-7/8" Tubing string Standby Charges	
7	4 -3/4" Drill Collar Operating Charges	
8	4 -3/4" Drill Collar Standby Charges	
9	Flange, any size and ratings Operating Charges	
10	Flange, any size and ratings Standby Charges	
Equipment Mob/De-mob		US\$/Km/Trailer
11	Tubing String, Drill Collars and Flanges Mob/De-mob Charges	
Crew		US\$/Day
12	Crew for OGDCL owned rig Operating Charges	
13	Crew for OGDCL owned rig Standby Charges	
14	Crew for contractor rig Operating Charges	
15	Crew for contractor rig Standby Charges	
Crew Mob/De-mob		US\$/Km
16	Crew for OGDCL owned rig Mob/De-mob Charges	
17	Crew for OGDCL contractor rig Mob/De-mob Charges	
Workshop Services		US\$/Hour
18	Workshop Services Charges	
LIH/DBR Tubing and Drill Collars		US\$/Joint
19	4-1/2" Tubing Joint	
20	4-1/2" Pup Joint any length	
21	3-1/2" Tubing Joint	
22	3-1/2" Pup Joint any length	
23	2-7/8" Tubing Joint	
24	2-7/8" Pup Joint any length	
25	4 -3/4" Drill Collar	
26	X-over, all sizes and thread types	
DBR Flanges		US\$/No.
27	Flange any size and rating	

Note:

1. The tubing string and drill collar 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) Dope
 - v) Routine repair charges.
 - vi) Loading/unloading and handling.
 - vii) RIH/POOH.
 - viii) X-overs, pump subs and pup joints
2. Minimum crew for working at OGDCL owned Rig = 09 personnel including Job supervisor, tong operator and jam operator.
3. Minimum crew for working at OGDCL contractor Rig = 05 personnel including Job supervisor, tong operator and jam operator.
4. Additional crew charges if required by OGDCL will be on pro rata basis.

Financial Evaluation Model

Table 1: DST and TCP operations					
Sr.	Description	UNIT		Unit Rate	Total Cost
		Days (C)	Length (meter) (D)	US\$/Day/meter (E)	US\$ (F)
Equipment (Tubing String and Drill Collars)					
1	4-1/2" Tubing string Operating Charges	15	1,000		=(C)*(D)*(E)
2	4-1/2" Tubing string Standby Charges	01	1,000		=(C)*(D)*(E)
3	3-1/2" Tubing string Operating Charges	15	2,600		=(C)*(D)*(E)
4	3-1/2" Tubing string Standby Charges	01	2,600		=(C)*(D)*(E)
5	2-7/8" Tubing string Operating Charges	15	200		=(C)*(D)*(E)
6	2-7/8" Tubing string Standby Charges	01	200		=(C)*(D)*(E)
7	4 -3/4" Drill Collar Operating Charges	15	350		=(C)*(D)*(E)
8	4 -3/4" Drill Collar Standby Charges	01	350		=(C)*(D)*(E)
9	Cost/Job (US\$)				=SUM(F1:F8)
10	Cost/well (02 Jobs / well) (US\$)				= F9*2
11	Total cost for 60 wells(US\$)				=F10*60
Equipment Mob/De-mob		Distance KM (C)	No. of Trailers (D)	US\$/Km/Trailer (E)	US\$ (F)
12	Tubing String, Drill Collars and Flanges Mob/De-mob Charges	1,800	07		=(C)*(D)*(E)
13	Cost/well (US\$)				=F12
14	Total cost for 60 wells(US\$)				=F13*60
Crew		DAYS (D)		US\$/Day (E)	US\$ (F)
15	Crew for OGDCL owned rig Operating Charges	15			=(D)*(E)
16	Crew for OGDCL owned rig Standby Charges	06			=(D)*(E)
17	Cost/Job (US\$)				=F15+F16
18	Cost/well (02 Jobs / well) (US\$)				=F17*2
19	Total cost for 30 wells(US\$)				=F18*30
20	Crew for OGDCL contractor rig Operating Charges	15			=(D)*(E)
21	Crew for OGDCL contractor rig Standby Charges	06			=(D)*(E)
22	Cost/Job (US\$)				=F20+F21
23	Cost/well (02 Jobs / well) (US\$)				=F22*2
24	Total cost for 30 wells(US\$)				=F23*30
Crew Mob/De-mob		Distance KM (D)		US\$/Km (E)	US\$ (F)
25	Crew for OGDCL owned rig Mob/De-mob Charges	1,800			=(D)*(E)
26	Cost/ Well (US\$)				=F25
27	Total for 30 wells (US\$)				=F26*30
28	Crew for OGDCL contractor rig Mob/De-mob Charges	1,800			=(D)*(E)
29	Total for One Well US\$				=F28
30	Total for 30 wells				=F29*30
31	Total against DST and TCP services for 60 wells				=F11+F14+ F19 +F24 +F27+F30

Table 2: Fracturing and other Services					
Sr.	Description	UNIT		Unit Rate	Total Cost
		Days (C)	Length meter (D)	US\$/Day/meter (E)	US\$ (F)
Equipment (Tubing String and Drill Collars)					
1	4-1/2" Tubing string Operating Charges	15	4,000		=(C)*(D)*(E)
2	4-1/2" Tubing string Standby Charges	01	4,000		=(C)*(D)*(E)
3	4 -3/4" Drill Collar Operating Charges	15	400		=(C)*(D)*(E)
4	4 -3/4" Drill Collar Standby Charges	01	400		=(C)*(D)*(E)
5	Cost/Job (US\$)				=SUM(F1:F4)
6	Cost/well (02 Jobs / well) (US\$)				=F5*02
7	Total cost for 06 wells(US\$)				=F6*06
Equipment Mob/De-mob		Distance KM (C)	No. of Trailers (D)	US\$/Km/Trailer (E)	US\$ (F)
8	Tubing String, Drill Collars and Flanges Mob/De-mob Charges	1,800	07		=(C)*(D)*(E)
9	Cost Well US\$				=F8
10	Total for 06 wells (US\$)				=F9*06
Crew		DAYS (D)	US\$/Day (E)	US\$ (F)	
11	Crew for OGDCL owned rig Operating Charges	15			=(D)*(E)
12	Crew for OGDCL owned rig Standby Charges	06			=(D)*(E)
13	Cost/Job (US\$)				=F11+F12
14	Cost/well (02 Jobs / well) (US\$)				=F13*02
15	Total cost for 03 wells(US\$)				=F14*03
16	Crew for OGDCL contractor rig Operating Charges	15			=(D)*(E)
17	Crew for OGDCL contractor rig Standby Charges	06			=(D)*(E)
18	Cost/Job (US\$)				=F16+F17
19	Cost/well (02 Jobs / well) (US\$)				=F18*02
20	Total cost for 03 wells(US\$)				=F19*03
Crew Mob/De-mob		Distance KM (D)	US\$/Km (E)	US\$ (F)	
21	Crew for OGDCL owned rig Mob/De-mob Charges	1,800			=(D)*(E)
22	Cost/ Well US\$				=F21
23	Total for 03 wells				=F22*03
24	Crew for OGDCL contractor rig Mob/ De-mob Charges	1,800			=(D)*(E)
25	Cost/ Well US\$				=F24
26	Total for 03 wells				=F25*03
27	Total against Fracturing services for 06 wells				=F7+F10+F15 +F20+F23+F26

Table 3: Flanges					
Sr.	Description	UNIT		Unit Rate	Total Cost
		Days (C)	No. of Flanges (D)	US\$/Day/No. (E)	US\$ (F)
1	Flange, any size and ratings Operating Charges	15	2		=(C)*(D)*(E)
2	Flange, any size and ratings Standby Charges	1	2		=(C)*(D)*(E)
3	Cost/Job (US\$)				=SUM(F1:F2)
4	Cost/well (02 Jobs / well) (US\$)				=F3*2
5	Total cost for 10 wells(US\$)				=F4*10

Table 4: Workshop Services				
Sr.	Description	Workshop	Unit Rate	Total Cost
Workshop Services		Hours (D)	US\$/Hour (E)	US\$ (F)
1	Workshop Services Charges	250		=(D)*(E)
2	Total for Workshop Services(US\$)			=F1

Table 5: LIH/DBR				
Sr.	Description	No. of Joints (D)	US\$/Joint (E)	US\$ (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	350		=(D)*(E)
4	3-1/2" Pup Joint any length	10		=(D)*(E)
5	2-7/8" Tubing Joint	350		=(D)*(E)
6	2-7/8" Pup Joint any length	10		=(D)*(E)
7	4 -3/4" Drill Collar	35		=(D)*(E)
8	X-over, all sizes and thread types	10		=(D)*(E)
9	Flange any size and rating	5		=(D)*(E)
10	Total cost of LIH/DBR (US\$)			=SUM(F1:F9)

Table Totalizer			
Sr.	Table No.	Description	US\$
1	Table 1	DST and TCP operations	
2	Table 2	Fracturing and other Services	
3	Table 3	Flanges	
4	Table 4	Workshop Services	
5	Table 5	LIH/DBR	
Grand Total bid value			=Sum (Row1:Row5)

Note: The contract will be awarded to the bidder with lowest Grand Total bid value.