

Annexure -A

HIRING OF UNDER BALANCED DRILLING SERVICES

Scope of Work


1. OGDCL invites comprehensive and competitive proposals from the service companies for provision of UBD services for 02 years at OGDCL wells.
2. The successful Service Company will provide the UBD equipment & services at \pm 04 OGDCL wells during two years period on rate running contract basis extendable on same ^{rate} terms and condition with mutual consent. The volume of work can be increased or decreased according to OGDCL plan.
3. The services will include complete UBD package with Nace and Non Nace DDVs and the experienced crew as per OGDCL well plan.
4. The offered equipment is to be technically described on the given format at Annexure "A"
5. Financial Proposal to contain rates as per attached format.

Terms of Reference:-

1. The bidders are to quote the rates as per rate format and financial evaluation will be carried out as per given format placed at Annexure- "A-3" & "A-4".
2. The Company will have minimum 10 years experience of under balanced drilling services with minimum 10 Jobs conducted worldwide. Record to be provided with the bid.
3. The Service Company is to be capable (with respect to equipment inventory and personnel availability) to handle the OGDCL UBD job with sufficient back up and should be able to provide backup equipment from base in Pakistan during the job for un-interrupted operations.
4. The Service Company is to have established base office in Pakistan or give surety to set up a base within 45 days after award of contract, to be able to supply equipment /personnel with back up set up as per job requirement.
5. In order to asses capability for provision of services, the bidders will have to provide equipment detail, technical data with inventory quantity and detail of base office in Pakistan or outside the Pakistan.
6. The Engineers/ Supervisor offered for the job will have minimum of eight (08) years active field experience of the similar jobs. CV's to be attached with proposals. Proof to support the experience of the Engineer and Supervisor to be attached with bid.
7. Proof to support the experience of the Company, detail of UBD contracts for the last 10 years showing name of client with work detail to be supplied.


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8. The selected Service Company will be responsible for mobilization, demobilization, transportation of the equipment and personnel within and outside Pakistan as per cost to given in the rate format.
9. Security arrangement will be made by OGDCL at well site only.
10. Rate of consumables to be provided and will be charged only as per actual utilization at the well after verification from the site.
11. Bidder should quote standby rate maximum upto 40 % of operating rate for equipment and personnel.
12. Provision of required HSD for UBD drilling equipment at site will be responsibility of OGDCL.
13. No standby charges are applicable for backup units. Only one unit will be charged either operating or standby.
14. Mobilization/ de-mobilization cost of equipment and personnel up to OGDCL well sites and back is to be provided per kilometer basis as per rate format and will be charged as per actual kilometer. The quoted rates to include all related charges.
15. Service Company will confirm to carry out/ perform job anywhere in Pakistan.
16. Boarding and lodging of contractor's personnel working at OGDCL rig site will be the responsibility of OGDCL.
17. Bidders are to provide sound Audited Financial report for last Three (03) years with the bid.
18. Technical evaluation committee members may physically inspect the inventory at contractor's base in or outside Pakistan if required.
19. Standby rental rate for equipment and Personnel will be applicable only during Rig up and Rig down equipment and maximum 4 standby days will be given for rig up before operation starts and 04 days for rig down after job/ operation complete after 04 days no charges will be paid. Standby rate will not be applicable when operating rate applies.


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UNDERBALANCED DRILLING EQUIPMENT LIST
Technical Description of offered equipment to be submitted

Item	Description	Qty. Each	Technical Description
1	Rotating Control Head c/w all fittings and lubrication panel	1	
2	Primary Compressors having minimum capability of 1000SCFM-350PSI.	03	
3	Boosters Compressors capable of producing 2500 SCFM- 2500PSI c/w engine and accessories for each hole size & depth at desired pressure.	02	
4	Emergency Shutdown valves and control panel systems	01	
5	Surface Handling System / Primary & Secondary Separation Units c/w all fittings	01	
6	UBD Choke Manifold c/w all fittings and MPD	01	
7	Closed Loop Circulating Tank System c/w all fittings	01	
8	Geological Sampling Equipment c/w all fittings	01	
9	Piping, valves, pumps and Flow/Flare Line c/w all accessories	01 Package	
10	Gas Flare System	01	
11	Fuel Storage Tank, Transfer Pumps & Lines	01	
12	String Floats (both dart & plunger type), subs and Pressure relief tools.	02	
13	Corrosion Control Equipment	02	
14	Nitrogen Supply System (Membrane type)	01	
15	Mist Pumps	02	
16	Intermediate Cooler Equipment will be maximum 5 years old with maximum 4000 running hours.(Proof is required)	01	
17	Chemical Injection Pumps	04	
18	Computer based data acquisition	01 Set	
19	Container – Cabin (Offices & stores)	01 Set	
20	Workshop Container	01	


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21	Generator for UBD Package and Nitrogen Unit	01 Set	
Item	Description	Qty. Each	Technical Description
Down hole Deployment Valve			
DDV Rental Items			
1	Surface Spooling Unit.	01 EA	
2	Surface Control Unit	01 EA	
DDV Consumable / Sale Items			
1	9-5/8" Down hole Deployment Valve NACE certified Assembly	As Required	
2	7" Down hole Deployment Valve NACE certified Assembly	As Required	
3	9-5/8" Down hole Deployment Valve (None NACE) Assembly	As Required	
4	7" Down hole Deployment Valve(None NACE) Assembly	As Required	
5	Crossover Assembly (if any)	As Required	
Down hole Deployment Valve			
6	Control Line	As Required	
7	9-5/8" Control Line Protective Clamps	As Required	
8	7" Control Line Protective Clamps	As Required	
9	Control Line Fluid	As Required	
10	Casing Hanger – Wellhead Penetration System	As Required	
11	9-5/8" Mid Joint Centralizers	As Required	
12	7" Mid Joint Centralizers	As Required	
Consumable Items List			
1.	Foaming Agents	As Required	
2.	De-Foaming Agents	As Required	
3.	Anti-Corrosion Agents	As Required	
4.	Shale Inhibitors	As Required	
5.	H ₂ S Scavengers	As Required	
6.	Stripper Rubber	As Required	
7.	Metal Redress Kit for String Float Valve	As Required	
8.	Rubber Redress Kit for String Float Valve	As Required	
9.	Rotating Control Device Bowl Gasket	As Required	
10	Rotating Control Device Ring Gasket	As Required	


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TECHNICAL EVALUATION

S. No	Description	Weightage
1	Minimum 10 years experience of Company with proof and Provision of 10 UBD Services to national/ International companies.	1 year=3 marks Above 13 years experience= max 40 marks. 40%
2	Service Company's established base in Pakistan or assurance to set up a base within 45 days after award of contract.	Establish base in Pakistan = 16 marks. Assurance to establish base within 45 days= 12 marks. 16%
3	Availability of required inventory listed at Annexure "A-1" with the Company to undertake UBD jobs.	Fix 18 marks for Inventory 18%
4	Engineers/ Supervisors with eight (08) years experience in related work. Proof to support the experience is required. CVs to be provided.	01 year experience =2marks 10 or Above 10 years experience = max 20 marks 20%
5	Provision of sound audited financial reports for last Three (03) years	01 year report= 2 marks 02 year report= 4 marks 03 year report= 6 marks 06%

- Technical evaluation will base upon above criteria. Minimum qualifying marks for discipline at S.No. 1,4 & 5 are 75%, Overall aggregated marks for qualifying will be 80%.


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Rate format

Sr. #	Description	Rate(US\$)	Remarks
1	Equipment		
1.1	Standard UBD Package Operating rate per Day		
1.2	Standard UBD Package Standby rate per Day		
2	Equipment Mobilization / Demobilization		
2.1	Mob/De-mob of Single Axel 40 ft Trailer per KM		
2.2	Mob/De-mob of Double Axel 40 ft Trailer per KM		
2.3	Mob/De-mob of Low bed 40 ft Trailer per KM		
2.4	Mob/De-mob of 20 ft Trailer per KM		
3	Down hole Deployment Valve		
3.1	Down hole Deployment Valve Rental Items		
3.1 (a)	Rental Surface Spooling Unit per day rate		
3.1 (b)	Rental Surface Control Unit per day rate		
3.2	Down hole Deployment Valve Consumable/ Sale Items		
3.2 (a)	9-5/8" Down hole Deployment valve (None NACE) Assembly unit sale price		
3.2 (b)	9-5/8" Down hole Deployment valve (NACE) Assembly unit sale price		
3.2 (c)	7" Down hole Deployment valve (None NACE) Assembly unit sale price		
3.2 (d)	7" Down hole Deployment valve (NACE) Assembly unit sale price		
3.2 (e)	Crossover Assembly with customer specified Connections unit sale price		
3.2 (f)	Control Line per foot price		
3.2 (g)	9-5/8" control line protective clamp unit sale price		
3.2 (h)	7" control line protective clamp unit sale price		
3.2 (i)	Casing Hanger - Wellhead Penetration System unit sale price		
3.2 (j)	9-5/8" DDV Mid Joint Centralizer unit sale price		
4	Operating rates for Complete package of MPD Services Equipment & Personnel(Lump sum day rate)		
5	Crew Charges for UBD		
5.1	Standby Crew charges for UBD (Lump sum day rate)		
5.2	Operating Crew charges for UBD (Lump sum day rate)		
5.3	DDV Standby crew charges (Lump sum day rate)		
5.4	DDV Operating crew charges (Lump sum day rate)		
6	Equipment & Personnel Mob/De-mob Charges		
6.1	Equipment full package (UBD/MPD) mob/ demob per km		



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6.2	Personnel full package (UBD/MPD) Mob/De-mob per km		
7	Consumables		
7.1	Foaming Agents(01 drum=55 gallon) rate for 01 drum		
7.2	De foaming Agents(01 drum=55 gallon) rate for 01 drum		
7.3	Anti- Corrosion Agents(01 drum=55 gallon) rate for 01 drum		
7.4	Shale Inhibitors(01 drum=55 gallon) rate for 01 drum		
7.5	H2S Scavengers (01 drum=55 gallon) rate for 01 drum		
7.6	Natural Stripper Rubber for High pressure Rotating Control Device (RCD) unit sale price		
7.7	Poly Stripper Rubber for High pressure Rotating Control Device (RCD) unit sale price		
7.8	Nitrile (HNBR)Stripper Rubber for High pressure Rotating Control Device (RCD) unit sale price		
7.9	Stripper Rubber for low pressure Rotating Control Device (RCD) unit sale price		
7.10	Rotating control Device (RCD) Ring Gasket unit sale price		
7.11	Rotating control Device (RCD) Bowl Gasket unit sale price		
7.12	Metal Redress Kit for String Float Valve unit sale price		
7.13	Rubber Redress Kit for String Float Valve unit sale price		
7.14	Lubricants for Engine (per hour rate)		

OPTIONAL ITEMS:-

		Unit price US\$	Remarks
1	Casing Head for retrievable DDV& EM MWD Tool		
1.1	Casing Head Housing Assy C/W allied accessories to install tandem DDV's of 9-5/8" & 7" size generalized specs i) Temp Class "U" ii) Material Class "BB" & or "CC" iii) Pressure Rating 3K & or 5K	Unit Sale price	If required
1.2	Electromagnetic MWD Tool with APWD Sensor with extended range capabilities Miscellaneous sizes	Per day basis	If required
1.3	Any other additional item		

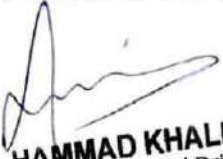

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Financial evaluation

Sr.#	DESCRIPTION	Rate (US\$)	Quantity	Total Cost (US\$)
1	Equipment			
1.1	Standard UBD Package Operating rate		20 days	
1.2	Standard UBD Package Standby rate		8 days	
2.0	Equipment Mobilization / Demobilization			
2.1	Mob/De-mob of Single Axel 40 ft Trailer		2000KM	
2.2	Mob/De-mob of Double Axel 40 ft Trailer		2000KM	
2.3	Mob/De-mob of Low bed 40 ft Trailer		2000KM	
2.4	Mob/De-mob of 20 ft Trailer		2000KM	
3	Down hole Deployment Valve			
3.1	Down hole Deployment Valve Rental Items			
3.1 (a)	Rental Surface Spooling Unit		7 days	
3.1 (b)	Rental Surface Control Unit		7 days	
3.2	Down hole Deployment Valve Consumable/ Sale Items			
3.2 (a)	9-5/8" Down hole Deployment valve (None NACE) Assembly		01No	
3.2 (b)	9-5/8" Down hole Deployment valve (NACE) Assembly		01No	
3.2 (c)	7" Down hole Deployment valve (None NACE) Assembly		01No	
3.2 (d)	7" Down hole Deployment valve (NACE) Assembly		01No	
3.2 (e)	Crossover Assemble with customer specified Connections		01No	
3.2 (f)	Control Line		3000ft	
3.2 (g)	9-5/8" control line protective clamp unit sale price rate		20Nos	
3.2 (h)	7" control line protective clamp		20Nos	
3.2 (i)	Casing Hanger - Wellhead Penetration System		01No	
3.2 (j)	9-5/8" DDV Mid Joint Centralizer		01No	
4.0	Operating rates of Complete package of MPD Services Equipment & Personnel		02 days	
5	Crew Charges for UBD			
5.1	Standby Crew charges for UBD		8	
5.2	Operating Crew charges for UBD		20	
5.3	DDV Standby crew charges		02	
5.4	DDV Operating crew charges		05	
6	Equipment and Personnel Mob/De-mob Charges			
6.1	Equipment Mob/ Demob full package per km		2000 km	
6.2	Personnel Mob/De-mob full package per km		2000 km	


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7.0	Consumables		
7.1	Foaming Agents(01 drum=55 gallon)		20 drums
7.2	De foaming Agents(01 drum=55 gallon)		10 drums
7.3	Anti- Corrosion Agents(01 drum=55 gallon) rate		05 drums
7.4	Shale Inhibitors(01 drum=55 gallon)		05 drums
7.5	H2S Scavengers (01 drum=55 gallon) rate for 01 drum		05 drums
7.6	Natural Stripper Rubber for High pressure Rotating Control Device (RCD)		02 No
7.7	Poly Stripper Rubber for High pressure Rotating Control Device (RCD)		02No
7.8	Nitrile (HNBR)Stripper Rubber for High pressure Rotating Control Device (RCD)		02No
7.9	Stripper Rubber for low pressure Rotating Control Device (RCD)		02No
7.10	Rotating control Device (RCD) Ring Gasket		02 No
7.11	Rotating control Device (RCD) Bowl Gasket		02 No
7.12	Metal Redress Kit for String Float Valve		02 Kit
7.13	Rubber Redress Kit for String Float Valve		02 Kit
7.14	Lubricants for Engine		500 hours
A	Under Balanced Drilling Estimated Cost for 01 well US \$		
B	Under Balanced Drilling Estimated Cost for 04 well US \$		


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Notes:

1. Amount of Bid Bond

Bid Bond /Bid Security amounting to **US\$ 90,000/-** (United States Dollars Ninety Thousand Only) is to be attached / provided with the technical bid. Please see Master Set of Tender Documents for Services for further details.

2. Payment Terms

Payment shall be made through cross cheque 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').

For online payment to vendors/contractors through (IBFT & LFT). For this reason following info is required from your company: -

1. IBAN (INTERNATIONAL BANK ACCOUNT NUMBER 24 DIGITS).
2. VENDOR NAME AS PER TITLE OF THEIR BANK ACCOUNT.
3. NTN NO.
4. CONTACT # OF COMPANY CEO/OWNER (MOBILE & LANDLINE).
5. POSTAL ADDRESS.
6. BANK NAME.
7. BANK BRANCH NAME & ADDRESS.

The Master Set of Tender Documents For Services uploaded on OGDCL's website (www.ogdcl.com) is the integral part of this TOR.

Bidders are requested to read TOR & Master set to Tender Documents (Services) and provide complete information/ documents including Tender annexures with the bid.

Following is the link for Master Set of Tender Documents for Services:

<http://ogdcl.com/uploads/Master%20set%20of%20tender%20documents%20for%20uploading%20on%20OGDCL%20web%20as%20on%2002-01-2019.pdf>


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