

OIL & GAS DEVELOPMENT COMPANY LIMITED



**PRE QUALIFICATION OF DOWNHOLE
COMPLETION EQUIPMENT MANUFACTURERS**

OGDCL aims to prequalify the internationally reputable Manufacturers of Completion Equipment along with services for a period of three years. Following terms & conditions will also apply in addition to terms & conditions mentioned in Master Set of Tender Documents available on OGDCL's website:-

1. Completion Equipment Manufacturers will be prequalified technically for a period of three (03) years as per prequalification criteria mentioned under "Technical Evaluation Criteria" for each category. After the finalization of the prequalification process future Tender enquiries will only be issued to the Pre-Qualified Manufacturers for a period of three years. It will be at the OGDCL discretion to call combined Technical/Financial Bids under single envelope system or separate technical and financial bids under two envelope system.
2. OGDCL will issue tender enquiries on as and when required basis during the validity of the Pre-Qualification i.e. three years. The orders will be placed on the financially lowest Manufacturers/Bidder and payment of material will be made through Letter of Credit.
3. Payment of Services will be made through LC / TT / Cross Cheque upon completion of services and against verified invoices by Indenting Department.
4. The evaluation criteria will be on each category wise individually. All the bidders will be evaluated separately against each category and declared technically qualified or disqualified for each category independently.
5. The bidders will be required to confirm that they have the capability to manufacture and supply the mentioned Items and accessories on as and when required basis for all the Future Tender Enquiries launched under the Umbrella of this Pre-Qualification exercise. However, quantities, sizes, threads and lengths would be specified at the time of tender based on actual requirements.
6. During the Course of the Pre-Qualification Time Frame if required OGDCL will still have the right to procure the completion material through press tender or any other mode of Procurement.
7. Submission of incomplete information in the prequalification documents may lead to disqualification of bidder/manufacturer.
8. Bidder to submit its bid in both Hard Form and Soft Form (in CD/USB).
9. Manufacturer/Bidder who failed to deliver the material to OGDCL in past or having unsatisfactory performance of Material delivered to GODCL in past will be disqualified.
10. Scope of work for Third Party Pre-Shipment Inspection will be provided on case to case basis.



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11. Pre-qualification of those bidders will be cancelled who failed to respond to OGDCL's Tender Enquiries for three times.
12. Bidder will submit separate bid bond on case to case bases.
13. Clean Acceptance of terms & conditions of Tender Document, Schedule of Requirement is required from Manufacturer / Bidder.
14. Shipment from ACU Member Countries: In case of Shipment from ACU Member Countries, the LC beneficiary should be of that particular country from where the consignment is being shipped.
15. The bank guarantee / bid bond (earnest money) / performance bond / Advance Bank Guarantees etc. of the bidder/vendor will be confiscated if they:
 - i- Withdraw their bid during bid validity.
Or
 - ii- Fails to provide performance and/or advance bank guarantees.
Or
 - iii- Submit forged/fake document or inaccurate information in support of their bid.
Or
 - iv- Fails to execute contract as per terms of contract.
Or
 - v- Fails to supply the short/wrong shipped items.
Or
 - vi- Any other reason warranting the confiscation of the guarantee.
16. OGDCL, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in firm's capacities, may require them to provide information concerning their professional, technical, financial, legal or managerial competence of already pre-qualified firms. OGDCL, shall disqualify a supplier or contractor if it finds, at any time, that the information submitted by those concerning qualification as supplier or contractor were false and materially inaccurate or incomplete.
17. All the documents should be submitted in original, properly numbered, duly signed and stamped. Any document not signed and stamped will not be considered for evaluation purpose.
18. Acceptable delivery time is Max 04 to 06 months or as specified on C&F Karachi basis from Letter of Credit establishment date for foreign bidders and 04 to 06 months or as specified on F.O.R Khadeji Store Basis from Inland Letter of Credit establishment date for Local Manufacture/Bidders.
19. Foreign Procurement Payment Terms (Competitive Bidding, Pre-qualification and Proprietary Mode of Procurement):
Clause No: 4 of Section-III (Part-B) i.e. Conditions of Contract "Special" of Tender Document has been amended as follows:



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Following payments methods have been approved for Competitive Bidding/Press Tender, Prequalification and Proprietary mode of procurement effective from February 27, 2018.

I. Tender value less than or equal to US\$ 200,000:

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 70 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 30% Payment will be released after receipt, inspection and acceptance of material.

II. Tender value more than US\$ 200,000:

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 80 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 20% Payment will be released after receipt, inspection (in addition of pre-shipment inspection) and acceptance of material.



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CATEGORY # 01

Wire Line Set Production Packers Super 13 Chrome 95-110 Ksi Yield or L-80 Material, 10,000 Psi W.P, 300 to 400 Degree Fahrenheit Temperature Rating for all Materials /Elastomers.

TRSCSSVs Super 13 Chrome 95-110 Ksi Yield, 10,000 Psi W.P, and 300 to 325 Degree Fahrenheit Temperature Rating for all Materials /Elastomers

Other associated accessories/Items/Tools required for installation /services of mentioned Production Packer System & TRSCSSVs in Category # 01

<u>TRSCSSVs</u> i. 2-7/8 INCH ii. 3-1/2 INCH iii. 4-1/2 INCH Or any other size.		<u>COMPLETION PACKERS</u> i. 5 INCH 15-18 PPF, CASING RANGE ii. 5 INCH 18-21 PPF, CASING RANGE iii. 7 INCH 26-29 PPF, CASING RANGE iv. 7 INCH 29-32 PPF, CASING RANGE v. 7 INCH 32-35 PPF, CASING RANGE vi. 9-5/8 INCH 40-47 PPF CASING RANGE vii. 9-5/8 INCH 47-53.5 PPF CASING RANGE Or any other casing size/Range.
Sr #	Description	Bidder to confirm their Capability to Manufacture and supply the Items as per the generic specifications mentioned in the Table.
1	2-7/8", 3-1/2" 4-1/2" Tubing retrievable, flapper Type, Sub-Surface Safety Valves as per Specifications given below:	
i	Setting Depth: up to 100 Meter.	
ii	Operating Pressure: 10,000 psi.	
iii	Test Pressure: As per API 14A/ISO 10432.	
iv	Connections: CS Hydril/PH-6 /Vam Top HC or any other Equivalent Premium threads as specified.	
v	Temperature Range: 20-325 Degrees Fahrenheit.	
vi	Flapper: One Piece Flapper	
vii	Equalization Feature: Valve should be self-equalizing type.	



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viii	Lock Open Features: The SCSSVs should have temporary as well as permanent lock open features.	
ix	Operating System: Rod Piston Type. The operating system should be isolated from the flow path to safeguard against sticking & erosion.	
x	Material: Super 13 Chrome.	
xi	Seating Nipple Profile.	
xii	I.D: Should be in accordance with of 2-7/8" 6.4/6.5 ppf, 3-1/2" 10.3/12.95 ppf, 4-1/2" 12.6/12.75/15.5 ppf to allow the TRSCSSV and blanking plug tools (permanent lock open tools, Isolation sleeve, to pass through the tubing and operate the TRSCSSV.	
xiii	Maximum O.D: To be able to run within 5" 15-18, 18-21, 7" 26-29 ppf, 7" 29-32 ppf, 7" 32-35 ppf, 9-5/8" 40-47 ppf, 47-53.5 ppf Casing wt. along with 1/4" Control Line.	
xiv	Minimum tensile strength at temp rating: 275,000 lbs or as per the specified thread connections.	
2	Flow couplings <ul style="list-style-type: none"> • Length: .6 feet. (Box x Pin) • Connection: CS Hydril/PH-6 /Vam Top HC or any other Equivalent Premium threads as specified. 	
3	Collar Type Control line protectors for 2-7/8" 3-1/2" and 4-1/2" Tubing.	
4	Reels of 1/4" control line of 316 L SS material, <ul style="list-style-type: none"> • Test pressure 15,000 psi, • Length =200 to 300 feet as specified. 	
5	Stain less Steel Band to hold the control line to the O.D of 2-7/8", 3-1/2" and 4-1/2" tubing body.	
6	Stain less steel Buckles to hold the control line to the O.D of 2-7/8", 3-1/2" and 4-1/2" tubing body.	
7	Isolation Sleeve/Hold Open Device to protect TRSCSSV during acid jobs & prevent accidental shut off of the SCSSV during wireline jobs.	


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8	Permanent lock open tool for TRSCSSV. The Manufacturer to confirm that they will arrange both Rental and Outright Sale Options for the Permanent Lock Out Open Tool.	
9	Necessary Slick line Running / Pulling Tools for Isolation sleeve/Hold Open Device and Permanent Lock open tool	
10	Re Dress Kit For the slick line tools of Isolation Sleeves/Hold Open Device and Permanent Lock Open Tools	
11	Non Perforated Production Tube, <ul style="list-style-type: none"> • Length: Min 5 feet long, • Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (Box) & bottom to be half Mule Shoe. 	
12	No-Go Landing Nipple <ul style="list-style-type: none"> • Standard Size Polished bore • Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (B x P). 	
13	Perforated Production Tube <ul style="list-style-type: none"> • Lengths: Min 10 feet long • Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (B x P). 	
14	Landing Nipple <ul style="list-style-type: none"> • Standard Size Polished Bore • Connection: Hydril CS/PH-6/ Vam Top HC or equivalent Premium threads as specified (B X P). 	
15	Non Perforated Production Tube, <ul style="list-style-type: none"> • Length: Min 5 feet long, • Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (Box) & bottom to be half Mule Shoe. 	
16	Casing Sub top <ul style="list-style-type: none"> • Connection: Vam Top or equivalent Premium threads as specified of Mill out Extension Size (Box) & Bottom with Hydril CS/PH-6/Vam Top HC or 	


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	equivalent Premium threads as specified (Pin).	
17	<p>Mill out Extension</p> <ul style="list-style-type: none"> Length: 6 feet long (either Pin x Pin or Box x Pin) both ends Connection: Vam Top HC or Equivalent Premium threads as specified. 	
18	<p>Coupling to connect SBE to Mill out Extension,</p> <ul style="list-style-type: none"> Vam Top or equivalent Premium threads as specified (Box X Box). If required. 	
19	<p>Wireline Set Permanent Seal Bore Production Packer</p> <p>i. For 5" 15-18 ppf Casing wt. with min 2.6" polished bore.</p> <p>i. For 5" 18-21 ppf Casing wt. with min 2.6" polished bore.</p> <p>ii. For 7" 26-29 ppf Casing wt. with min 4" polished bore.</p> <p>iii. For 7" 29-32 ppf Casing wt. with 4" polished bore.</p> <p>iv. For 7" 32-35 ppf Casing wt. with 4" polished bore.</p> <p>v. For 9-5/8" 40-47 and 47-53.5 ppf Casing wt. with min 4" polished bore. The polish Bore may be up to 6" or any other size as required.</p> <ul style="list-style-type: none"> Packer Elements: HNBR/Viton/Alfas Accessories: shear pins/studs etc. Pressure Rating: Differential Pressure Rating of both the packer & its elements should be 10,000 psi from top & bottom. Bottom Threads to be Vam Top Connections Compatible to SBE. 	
20	<p>Seal Bore Extension (SBE)</p> <ul style="list-style-type: none"> Length: 15 feet long with Vam Top HC Threads or any other Equivalent Premium threads as Specified at Both Ends. 	



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21	<p>Landing Seal Assembly</p> <ul style="list-style-type: none"> • Length: 10 feet to 18 feet • Top Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium Threads Box & bottom to be 1/2 Mule Shoe. • A minimum of three to five one foot ATR seal stacks will be required • All LSA connection should be premium • The seals should be capable of multiple String ins into the packer bore over the life of the Packer 	
22	Redress Kit for LSA (Spare Seal Stacks) etc.	
23	Adapter Setting Kit for 5", 7" and 9-5/8" Packers	
24	Blanking Plug with Bypass Arrangement for the Landing Nipple (Plug Should be suitable for holding min 8,000 to 10,000 Psi W.P pressure from both ends). The bidder to specify limitations if any.	
25	Necessary Running / Pulling Slick Line Tools for the Blanking plug.	
26	Re Dress Kit for The Blanking Plug.	
27	Re Dress Kit for the slick line tools at Sr. No. 25 if required.	
28	<p>Any other auxiliary completion items i.e.</p> <p>Sliding Side Door Sleeve, Side Pocket Mandrel, Expansion joint, blast joint, safety joint, gauge hanger, pump out plug etc. and their associated tools.</p>	
<u>COMPLETION SERVICES REQUIREMENT</u>		
29	<p>Service Engineer for Packer setting / TRSCSSV installation /Milling & Retrieving of Downhole Equipment, Other Services etc. Confirmation/Resumes of at least Three experienced Service engineers to be provided</p>	
30	<p>Hydraulic Packer Setting tool for Wire line set packers on Rental Basis Per Job</p> <p>i. 5"(15-18, 18-21 ppf)</p> <p>ii. 7"(26-29, 29-32 & 32-35 ppf)</p> <p>iii. 9-5/8"(40-47 and 47-53.5 ppf)</p>	



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	(The threads of the Tools should be compatible to 3-1/2" IF drill pipes if not the X-over should be arranged by the Contractor).	
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The bidder to fill the following Pre-Qualification form for Category-1

The Bidder/Manufacturer to provide the Data/supply Record for only the Wireline set Packers/TRSCSSVs mentioned in Category-1.

	<p>Every bidder must comply the following conditions in order to be Pre-qualified in category-1. All the required supporting documents must be attached where applicable.</p> <p>Bidders failing to do so would be considered disqualified for further Technical evaluation.</p>	<p>Bidder to comply /confirm the following in the Table and provide necessary documents accordingly.</p>
1	<p>The Manufacturing Company must be certified by API under Specs API 11D1 last 08 years for Manufacturing/Testing of Packers up to the range of V0. The Manufacturer must provide a proven sale record of V0 tested Packers along with the required certifications.</p>	
2	<p>The Manufacturer must be certified by API under Specs API 14-A last 08 years in order to confirm Manufacturing Capability of Sub Surface Safety Valves.</p>	
3	<p>The Manufacturer must be certified by API under Specs API 14-L last 08 years for the manufacturing of Lock Mandrels (V3 to V1) and Landing Nipples (V3 to V2).</p>	
4	<p>The Manufacturer must be certified by API under Specs Q1 or ISO 9001 for Design, Manufacture and service of indented equipment.</p>	
5	<p>The Bidder/Manufacturer must they have their own or authorized services set up in Pakistan with at least 2 to 3 competent and experienced completion engineers in Pakistan for successful execution of jobs.</p> <p>In case a manufacture does not have their own or authorized services set up in Pakistan with at least 2 to 3 then they will provide an undertaking with their bid that they will establish such facilities within 45 days after being successfully prequalified by OGDCL.</p> <p>No manufacturer will be prequalified in case they do not have a services set up in Pakistan (own or authorized) or provide and undertaking to establish the same after successful prequalification.</p>	


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6	<p>If the bidder has not already supplied above mentioned TRSCSSVs & Wireline Set Production Packers (10,000 Psi Rating) to OGDCL then the following will be required:</p> <p>1. Supply Record of at least 300 Sets of Wireline Set Packers and TRSCSSV's of 10,000 Psi Rating during the last 05 Years from the Tender Opening Date.</p> <p>2. Certificates of satisfactory performance issued by authorized officials of at least 3 different multinational E&P companies or other renowned E & P companies (not belonging to the manufacturer's country) regarding the indented TRSCSSVs & Wireline Set Production Packers (10,000 Psi rating) must be provided with the bid. The certificates must be 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. The bidder must provide latest E-mail/Fax numbers etc. to directly verify the authenticity of these certificates from the issuing authority/company. Certificates issued by supply houses etc. will not be acceptable.</p>	
7	<p>In case the bidder is different from the manufacturer then authority letters in original from the manufacturer to bidder must be furnished with the technical offer. The bidder will also provide a similar letter in case they have their local agent in Pakistan. The authority letter must be on company letter head, showing the name and contact details (E-mail & fax number) of the signing authority.</p>	
8	<p>All the Pressure rating, Temperature rating, sizes, threads and lengths of TRSCSSVs, Packers and accessories mentioned above are for Pre-Qualification purpose only however the actual Pressure rating, Temperature rating, sizes, threads and lengths will be specified at the time of tender.</p>	
9	<p>All completion accessories/tools are included in this tender are based on our best knowledge however if any other completion accessory/tool is required then bidder to confirm that they will provide the same as per requirement.</p>	
10	<p>In case L-80 material is specified for packers then all the flow wetted parts of Packers should be of super 13 Chrome 95-110 Ksi Yield, 10,000 Psi W.P, 300-400 Degree Fahrenheit Temperature Rating unless material /Pressure/Temp Ratings are specified separately.</p>	



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11	CS Hydril threads or equivalent and 100% Interchangeable connections will also be acceptable e.g. Grant Prideco's "RTS-8" , TPS Technitube "TS-8" ,Hunting's TS -HP", Halliburton's "OECA-A" ,Benoit's "BTS-8",Weatherford's WTS-8	
12	PH-6 Hydril threads or equivalent and 100% Interchangeable connections will also be acceptable e.g. Grant Prideco's "RTS-6" , TPS Technitube "TS-6" ,Hunting's "TS-HD", Halliburton's "OECA-C" & Benoit's "BTS-6", Weatherford's WTS-6	
13	Vam Top HC or Equivalent Premium threads may be specified which may include the leading CAL IV Tested Threads Like JFE Bear, JFE Fox, Tenaris Blue, etc. Manufacturers to confirm that they will Provide the mentioned Threads or any other as specified for the above listed Items.	
14	OGDCL will arrange third Party inspection of the equipment, bidder to confirm that all necessary assistance will be provided to the third party Inspection Company.	
15	Completion Services will be provided by the original OEM or authorized Completion Engineer to install all the provided Completions at any OGDCL site in Pakistan on as and when required basis. Confirmation to this effect along with CV's of at least 03 qualified and experienced completion Engineers must be enclosed with technical offer	
16	Completion Engineer should be professionally competent, must have 3 to 5 years relevant experience with Minimum of 10 to 15 jobs completion jobs carried out independently.	
17	Bidder to identify/mention the LC beneficiary for Saleable Items and the service order beneficiary for Local services in their Data Summary Sheet.	
18	Manufacturer to confirm that the day rates will commence at the arrival of the Engineer at Rig site and will cease from the day when service Engineer completed the job at Rig site. No extra days will be paid.	
19	Only one service Engineer charges will be applicable to carry out the completion Job.	
20	Boarding lodging of Completion Engineer at Rig site will be the responsibility of OGDCL. However OGDCL will not provide any transport to service Engineer/tools to reach at rig site, it will be the exclusive responsibility of the service provider to arrange the transportation for the service engineer/tools from the base to the OGDCL site and back to the base.	



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21	The Bidder will ensure to send Local Service Engineer at Rig site within 02 days (maximum) after receiving mobilization notice from OGDCL.	
22	Services payment will be made as per actual services rendered at any OGDCL well on as and when required basis.	
23	Engineering Data Sheets, Technical literature along with installation manual on CD/USB of the manufacturer(s) for all the completion equipment must be submitted with the technical offer.	



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CATEGORY # 02

Hydraulic Set Retrievable/Production Packers Super 13 Chrome 95-110 Ksi Yield or L-80 Material, 10,000 Psi W.P, and 300 to 350 Degree Fahrenheit Temperature Rating for all Materials /Elastomers

TRSCSSVs Super 13 Chrome 95-110 Ksi Yield Material, 10,000 Psi W.P, and 300 to 325 Degree Fahrenheit Temperature Rating for all Materials /Elastomers

Other associated accessories/Items/Tools required for installation /services of mentioned Production Packer System & TRSCSSVs in Category # 02

<u>TRSCSSVs</u>		<u>COMPLETION PACKERS</u>
i. 2-7/8 INCH		i. 5 INCH 15-18 PPF, CASING RANGE
ii. 3-1/2 INCH		ii. 5 INCH 18-21 PPF, CASING RANGE
iii. 4-1/2 INCH		iii. 7 INCH 26-29 PPF, CASING RANGE
Or any other size.		iv. 7 INCH 29-32 PPF, CASING RANGE
		v. 7 INCH 32-35 PPF, CASING RANGE
		vi. 9-5/8 INCH 40-47 PPF CASING RANGE.
		vii. 9-5/8 INCH 47-53.5 PPF CASING RANGE.
		Or any other casing size/Range.
Sr #	Description	Bidder to confirm their Capability to Manufacture and supply the Items as per the generic specifications mentioned in the Table.
1	2-7/8", 3-1/2" 4-1/2" Tubing retrievable, flapper Type, Sub-Surface Safety Valves as per Specifications given below:	
i	Setting Depth: up to 100 Meter.	
ii	Operating Pressure: 10,000 psi.	
iii	Test Pressure: As per API 14A/ISO 10432.	
iv	Connections: CS Hydril/PH-6 /Vam Top HC or any other Equivalent Premium threads as specified.	
v	Temperature Range: 20-325 Degrees Fahrenheit.	
vi	Flapper: One Piece Flapper	



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vii	Equalization Feature: Valve should be self-equalizing type.	
viii	Lock Open Features: The SCSSVs should have temporary as well as permanent lock open features.	
ix	Operating System: Rod Piston Type. The operating system should be isolated from the flow path to safeguard against sticking & erosion.	
x	Material: Super 13 Chrome	
xi	Seating Nipple Profile.	
xii	I.D: Should be in accordance with of 2-7/8" 6.4/6.5 ppf, 3-1/2" 10.3/12.95 ppf, 4-1/2" 12.6/12.75/15.5 ppf to allow the TRSCSSV and blanking plug tools (permanent lock open tools, Isolation sleeve/hold open device to pass through the tubing and operate the TRSCSSV.	
xiii	Maximum O.D: To be able to run within 5" 15-18, 18-21 ppf, 7" 26-29, 29-32, 32-35 ppf and 9-5/8" 40-47, 47-53.5 ppf Casing wt. along with 1/4" Control Line.	
xiv	Minimum tensile strength at temp rating: 275,000 lbs. lbs or as per the specified thread connections.	
2	Flow couplings <ul style="list-style-type: none"> • Length: .6 feet. (Box x Pin) • Connection: CS Hydril/PH-6 /Vam Top HC or any other Equivalent Premium threads as specified. 	
3	Collar Type Control line protectors for 2-7/8" 3-1/2" and 4-1/2" Tubing.	
4	Reels of 1/4" control line of 316 L SS material, <ul style="list-style-type: none"> • Test pressure 15,000 psi, • Length =200 to 300 feet as specified 	
5	Stain less Steel Band to hold the control line to the O.D of 2-7/8", 3-1/2" and 4-1/2" tubing body.	


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6	Stain less steel Buckles to hold the control line to the O.D of 2-7/8", 3-1/2" and 4-1/2" tubing body.	
7	Isolation Sleeve /Hold Open device to protect TRSCSSV during acid jobs & prevent accidental shut off of the SCSSV during wireline jobs.	
8	Permanent lock open tool for TRSCSSV. The Manufacturer to confirm that they will arrange both Rental and Outright Sale Options for the Permanent Lock Out Open Tool.	
9	Necessary Slick line Running / Pulling Tools for Isolation sleeve and Permanent Lock open tool	
10	Re Dress Kit For the slick line tools of Isolation Sleeves and Permanent Lock Open Tools	
11	Non Perforated Production Tube, <ul style="list-style-type: none"> • Length: Min 5 feet long, • Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (Box) & bottom to be half Mule Shoe. 	
12	No-Go Landing Nipple <ul style="list-style-type: none"> • Standard Size Polished bore • Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (B x P). 	
13	Perforated Production Tube <ul style="list-style-type: none"> • Lengths: Min 10 feet long • Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (B x P). 	
14	Landing Nipple <ul style="list-style-type: none"> • Standard Polished Bore • Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (B x P). 	


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15	<p>Non Perforated Production Tube,</p> <ul style="list-style-type: none"> Length: Min 5 feet long, Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (Box) & bottom to be half Mule Shoe. 	
16	<p>Hydro Trip Sub/Pump Out Plug.</p> <p>Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (B X P).</p>	
17	<p>Ball compatible with the Hydro Trip Sub</p>	
18	<p>Hydraulic Set Retrievable Packer Production Packer</p> <p>i. For 7", 26-29, 29-32 and 32-35 ppf Casing wt. (Manufacturer to specify their Limitations if any)</p> <p>ii. For 9-5/8" 40-47 and 47-53.5 ppf Casing wt. (Manufacturer to specify their Limitations if any)</p> <p>Connection: Hydril CS/PH-6/Vam Top HC or Equivalent Premium threads as specified (B X P).</p> <p>Packer Elements: HNBR/Viton</p> <p>Pressure Rating: Differential Pressure Rating of both the packer & its elements should be in the Range of 7500 psi to 10,000 Psi from top & bottom. (Manufacturer to specify their Limitations if any)</p>	
19	<p>Blanking Plug with By Pass Arrangement For the Landing Nipple (Plug Should be suitable for holding 8000 to 10,000 Psi W.P pressure from both ends). (Manufacturer to specify their Limitations if any)</p>	
20	<p>Necessary Running / Pulling Tools for the Blanking plug.</p>	
21	<p>Re Dress Kit For The Blanking Plug</p>	
22	<p>Hydraulic Set Permanent Production Packer</p>	


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	<p>ii. For 7", 26-29, 29-32 and 32-35 ppf Casing wt. (Manufacturer to specify their Limitations if any)</p> <p>iii. For 9-5/8" 40-47 and 47-53.5 ppf Casing wt. (Manufacturer to specify their Limitations if any)</p> <p>Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium threads as specified (B X P).</p> <p>Packer Elements: HNBR/Viton</p> <p>Pressure Rating: Differential Pressure Rating of both the packer & its elements should be 10,000 psi from top & bottom. (Manufacturer to specify their Limitations if any)</p>	
23	<p>Anchor Latch Assembly for Hydraulic Set Permanent Production packer specified Above.</p> <ul style="list-style-type: none"> • Top Connection: Hydril CS/PH-6/Vam Top HC or equivalent Premium Threads Box • The Anchor Latch should be capable of multiple Sting-ins/Latches into the packer bore over the life of the Packer. 	
24	<p>Torque transmittable Expansion joint, Stroke Length 10 ft.</p> <p>Threads: 3-1/2", CS Hydril/PH-6/Vam Top HC or Equivalent Premium threads as specified (Box x Pin),</p> <p>Pressure Rating: 7500 psi to 10,000 psi.</p>	
25	<p>Any other auxiliary completion items i.e.</p> <p>Sliding Side Door Sleeve, Side Pocket Mandrel, Expansion joint, blast joint, safety joint, gauge hanger, pump out plug etc. and their associated tools.</p>	
<u>COMPLETION SERVICES REQUIREMENT</u>		
26	<p>Service Engineer for Packer setting / TRSCSSV installation /Milling & Retrieving of Downhole Equipment, other Services etc.</p>	



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The bidder to fill the following Pre-Qualification form for Category-2

The Bidder/Manufacturer to provide the Data/supply Record for only the Hydro Set Packers/TRSCSSVs mentioned in Category-2.

Every bidder must comply the following conditions in order to be Pre-qualified in Category-2. All the required supporting documents must be attached where applicable.		Bidder to confirm their Capability to Manufacture and supply the Items as per the generic specifications mentioned in the Table.
Bidders failing to do so would be considered disqualified for further Technical evaluation.		
1	The Manufacturing Company must be certified by API under Specs. API11D1 last 08 years for Manufacturing/Testing of Packers up to the range of V0. The Manufacturer must provide a proven sale record of V0 tested Packers along with the required certifications.	
2	The Manufacturer must have API 14-A last 08 years in order to confirm Manufacturing Capability of Sub Surface Safety Valves.	
3	The Manufacturer must have API 14-L last 08 years for Manufacturing Lock Mandrels (V3 to V1) and Landing Nipples (V3 to V2).	
4	The Manufacturer must have API Specifications Q1 and ISO 9001 for Design, Manufacture and service of SSSV, Lock Mandrels, Landing Nipples and Packers.	
5	<p>The Bidder/Manufacturer must they have their own or authorized services set up in Pakistan with at least 2 to 3 competent and experienced completion engineers in Pakistan for successful execution of jobs.</p> <p>In case a manufacture does not have their own or authorized services set up in Pakistan with at least 2 to 3 then they will provide an undertaking with their bid that they will establish such facilities within 45 days after being successfully prequalified by OGDCL.</p> <p>No manufacturer will be prequalified in case they do not have a services set up in Pakistan (own or authorized) or provide and undertaking to establish the same after successful prequalification.</p>	
6	<p>If the bidder has not already supplied above mentioned TRSCSSVs & Hydroset Retrievable/Permanent Production Packers (7500 to 10,000 Psi Rating) to OGDCL then the following will be required:</p> <p>1. Supply Record of at least 250 Sets of TRSCSSVs & Hydroset Retrievable/Permanent Production Packers (7500 to 10,000 Psi Rating) during the last 05 Years from the</p>	




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	<p>Tender Opening Date. (Manufacturers/ Bidders who have already supplied the Items to OGDCL in the past during the last five years are not required to provide the same).</p> <p>2. Certificates of satisfactory performance issued by authorized officials of at least 3 different multinational E&P companies or other renowned E & P companies (not belonging to the manufacturer's country) regarding the indented TRSCSSVs & Hydroset Retrievable/Permanent Production Packers (7500 to 10,000 Psi Rating) must be provided with the bid. The certificates must be 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. The bidder must provide latest E-mail/Fax numbers etc. to directly verify the authenticity of these certificates from the issuing authority/company. Certificates issued by supply houses. etc. will not be acceptable.</p>	
7	<p>In case the bidder is different from the manufacturer then authority letters in original from the manufacturer to bidder must be furnished with the technical offer. The bidder will also provide a similar letter in case they have their local agent in Pakistan. The authority letter must be on company letter head, showing the name and contact details (E-mail & fax number) of the signing authority.</p>	
8	<p>All the Pressure rating, Temperature rating, sizes, threads and lengths of TRSCSSVs, Packers and accessories mentioned above are for Pre-Qualification purpose only however the actual Pressure rating, Temperature rating, sizes, threads and lengths will be specified at the time of tender.</p>	
9	<p>All completion accessories/tools included in this tender are based on our best knowledge however if any other completion accessory/tool is required then bidder to confirm that they will provide the same as per requirement.</p>	
10	<p>In case L-80 material is specified for packers then all the flow wetted parts of Packers should be of super 13 Chrome 95-110 Ksi Yield, 10,000 Psi W.P, 300-350 Degree Fahrenheit Temperature Rating unless material /Pressure/Temp Ratings are specified separately.</p>	
11	<p>CS Hydril threads or equivalent and 100% Interchangeable connections will also be acceptable e.g. Grant Prideco's "RTS-8", TPS Technitube "TS-8", Hunting's TS -HP", Halliburton's "OECA-A", Benoit's "BTS-8", Waetherford's WTS-8</p>	


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12	PH-6 Hydril threads or equivalent and 100% Interchangeable connections will also be acceptable e.g. Grant Prideco's "RTS-6" , TPS Technitube "TS-6" ,Hunting's "TS-HD", Halliburton's "OECA-C" &Benoit's "BTS-6", Weatherford's WTS-6	
13	Vam Top HC or Equivalent Premium threads may be specified which may include the leading CAL IV Tested Threads Like JFE Bear, JFE Fox, Tenaris Blue, etc. Manufacturers to confirm that they will Provide the mentioned Threads or any other as specified for the above listed Items.	
14	OGDCL will arrange third Party inspection of the equipment, bidder to confirm that all necessary assistance will be provided to the third party Inspection company.	
15	Completion Services will be provided by the original OEM or authorized Completion Engineer to install all the provided Completions at any OGDCL site in Pakistan on as and when required basis. Confirmation to this effect along with CV's of at least 03 qualified and experienced completion Engineers must be enclosed with technical offer	
16	Completion Engineer should be professionally competent, must have 3 to 5 years relevant experience with Minimum of 10 to 15 jobs completion jobs carried out independently.	
17	Bidder to identify/mention the LC beneficiary for Saleable Items and the service Order beneficiary for Local services in their Data Summary Sheet.	
18	Manufacturer to confirm that the day rates will commence at the arrival of the Engineer at Rig site and will cease from the day when service Engineer completed the job at Rig site. No extra days will be paid.	
19	Only one service Engineer charges will be applicable to carry out the completion Job.	
20	Boarding lodging of Completion Engineer at Rig site will be the responsibility of OGDCL. However OGDCL will not provide any transport to service Engineer/tools to reach at rig site, it will be the exclusive responsibility of the service provider to arrange the transportation for the service engineer/tools from the base to the OGDCL site and back to the base	
21	The Bidder will ensure to send Local Service Engineer at Rig site within 02 days (maximum) after receiving mobilization notice from OGDCL.	


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22	Services payment will be made as per actual services rendered at any OGDCL well on as and when required basis.	
23	Engineering Data Sheets, Technical literature along with installation manual on CD/USB of the manufacturer(s) for all the completion equipment must be submitted with the technical offer.	


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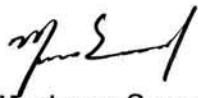
CATEGORY # 03

WIRELINE SET PRODUCTION COMPLETION PACKERS Super 13 Chrome Material, 110-130 Ksi Yield, 15,000 Psi W.P, 400-450 Degree Fahrenheit Temperature Rating for all items

TRSCSSVs Inconel Alloy, 110-130 Ksi Yield, 15,000 Psi W.P, 350-400 Degree Fahrenheit Temperature Rating.

Other associated accessories/Items/Tools required for installation /services of mentioned Production Packer System & TRSCSSVs in Category # 03

<u>TRSCSSVs</u> i. 2-7/8 INCH ii. 3-1/2 INCH iii. 4-1/2 INCH Or any other size.		<u>COMPLETION PACKERS</u> i. 5 INCH 18-21 PPF, CASING RANGE ii. 7 INCH 32-35 & 35-38 PPF, CASING RANGE iii. 9-5/8 INCH 40-47 PPF CASING RANGE. iv. 9-5/8 INCH 47-53.5 PPF CASING RANGE. Or any other casing size/Range.
Sr #	Description	Bidder to confirm their Capability to Manufacture and supply the Items as per the generic specifications mentioned in the Table.
1	2-7/8", 3-1/2" 4-1/2" Tubing retrievable, flapper Type, Sub-Surface Safety Valves as per Specifications given below:	
i	Setting Depth: up to 100-200 Meter.	
ii	Operating Pressure: 15,000 psi.	
iii	Test Pressure: As per API 14A/ISO 10432.	
iv	Connections: PH-6 /Vam Top HC or any other Equivalent Premium threads as specified.	
v	Temperature Range: 350-400 Degrees Fahrenheit.	
vi	Flapper: Curved seal/one-piece flapper as per 15 K requirement. (Inconel Alloy 718/Alloy 825/Alloy 925)	
vii	Equalization Feature: As Recommended for 15 K Rating TRSCSSV.	


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viii	Lock Open Features: The SCSSVs should have temporary as well as permanent lock open features.	
ix	Operating System: Rod Piston Type. The operating system should be isolated from the flow path to safeguard against sticking & erosion.	
x	Material: All the flow wetted parts should be of minimum Inconel Alloy 718/ Alloy 825/Alloy925.	
xi	Seating Nipple Profile.	
xii	I.D: should be in accordance with the 2-7/8", 3-1/2", 4-1/2" PH-6/ Vam Top HC or any other Equivalent Premium threads as specified. Tubing to allow the TRSCSSV and Blanking Plug tools (Permanent Lock Out Open Tool, Isolation sleeve/Hold open device etc.) to Pass through the Tubing and operate the TRSCSSV.	
xiii	Maximum O.D: To be able to run within 2-7/8" 18-21, 7",32-35, 35-38 ppf, 9-5/8" 40-47, 47-53.5 ppf Casing wt along with 1/4" Control Line.	
xiv	Minimum tensile strength at temp rating: 400,000 lbs. or as per the specified thread connections.	
2	Flow couplings Length: .6 feet. (Box x Pin) Connection: CS Hydril/PH-6 /Vam Top HC or Equivalent Premium threads as specified.	
3	Collar Type Control line protectors for 2-7/8" 3-1/2" and 4-1/2" Tubing as specified.	
4	Reels of 1/4" control line of Inconel Alloy 825 material, Test pressure 17,000 psi, length =300 feet.	
5	Stain less Steel Band to hold the control line to the O.D of 2-7/8", 3-1/2" and 4-1/2" tubing body.	
6	Stain less steel Buckles to hold the control line to the O.D of 2-7/8", 3-1/2" and 4-1/2" tubing body.	



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7	Isolation Sleeve /Hold Open Device to protect TRSCSSV during acid jobs & prevent accidental shut off of the SCSSV during wireline jobs. Min I.D 1.75" or as specified.	
8	Permanent lock open tool for TRSCSSV. The Manufacturer to confirm that they will arrange both Rental and Outright Sale Options for the Permanent Lock Out Open Tool.	
9	Necessary Slick line Running / Pulling Tools for Isolation sleeve/Hold open device and Permanent Lock open tool	
10	Re Dress Kit For the slick line tools of Isolation Sleeve/Hold open device and Permanent Lock Open Tools	
11	Non Perforated Production Tube, Length: 5 feet long, Connection: PH-6 /Vam top HC or Equivalent Premium threads (Box) & bottom to be half Mule Shoe.	
12	No-Go Landing Nipple ,2.56" Polished bore Connection: PH-6/Vam Top HC or Equivalent Premium threads as specified (B x P).	
13	Perforated Production Tube Lengths: 10 feet long Connection: PH-6/Vam top HC or Equivalent Premium threads as specified. (BX P).	
14	Landing Nipple, 2.56" Polished Bore Connection: PH-6/Vam Top HC or Equivalent Premium threads as specified. (B X P).	
15	Non Perforated Production Tube, Length: 5 feet long, Connection: PH-6/Vam Top HC or Equivalent Premium threads as specified (Box) & bottom to be half Mule Shoe.	
16	Casing Sub top with (Vam Top HC or any other 15 k Compatible Premium) Threads	


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	of Millout Extension Size (Box) & Bottom With 3-1/2", 12.95 lbs/ft, PH-6 or Equivalent (Pin).	
17	Mill out Extension, 6 feet long, Vam Top HC threads (or any other 15 k Rating Compatible Premium Thread) BxB or PxP connections.	
18	Coupling to connect SBE to Mill out Extension (BxB). if required	
19	Seal Bore Extension (SBE) Length: 10 feet long, for the packers Connections: Vam Top HC or any other 15 K Rating Compatible Premium threads HC BxB or PxP connections. All other elastomers in the SBE should be suitable for 15,000 psi differential pressure and 450 degree F temperature.	
20	Wireline Set Permanent Seal Bore Production Packer i. For 5" 18-21 ppf Casing with 2.68" polished bore. ii. For 7" 32-35 # Casing with 4" polished bore iii. For 7" 35-38 ppf Casing with 4" polished bore iv. For 9-5/8" 40-47 ppf Casing with 4" polished bore v. For 9-5/8" 47-53.5 ppf Casing with 4" polished bore Packer Elements: Alfas/Chemraz Accessories: shear pins/studs etc. Pressure Rating: Differential Pressure Rating of both the packer & its elements should be 15,000 psi from top & bottom. Bottom Threads to be Vam Top Connections Compatible to SBE.	
21	Landing Seal Assembly Length : 18 feet Top Connection: PH-6/Vam Top HC or Equivalent Premium threads as specified Box & bottom to be 1/2 Mule Shoe.	


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	<p>A minimum of five one foot ATR seal stacks will be required</p> <p>The seals should be capable of multiple Sting ins into the packer bore over the life of the Packer</p> <p>The LSA should be suitable for handling 15,000 psi differential pressure and 450 degree F temperature.</p>	
22	Adapter Setting Kit for 5", 7" and 9-5/8" Packers	
23	Blanking Plug With By Pass Arrangement For the Landing Nipple At Sr No 15 (Plug Should preferably be suitable for holding Max Allowable Psi W.P pressure from both ends).The Manufacturer to confirm the Max Pressure Rating of the Plug.	
24	Necessary Running / Pulling Tools for the Blanking plug.	
25	Re Dress Kit For The Blanking Plug	
26	Any other auxiliary completion items i.e. Sliding Side Door Sleeve, Side Pocket Mandrel, Expansion joint, blast joint, safety joint, gauge hanger, pump out plug etc. and their associated tools.	
	<u>COMPLETION SERVICES REQUIREMENT</u>	
27	Service Engineer for Packer setting / TRSCSSV installation /Milling & Retrieving of Downhole Equipment, Other Services etc.	
28	<p>Hydraulic Packer Setting Tool for Wire line set packers on Rental Basis Per Job</p> <p>i. 5"(18-21ppf)</p> <p>ii. 7"(32-35,35-38 ppf)</p> <p>iii. 9-5/8"(40-47, 47-53.5 ppf)</p> <p>(The threads of the Tools should be compatible to 3-1/2" IF drill pipes if not the X-over should be arranged by the Contractor).</p>	



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The bidder to fill the following Pre-Qualification form for Category-3

The Bidder/Manufacturer to provide the Data/supply Record for only 15K Psi Wireline set Permanent Packers and TRSCSSVs mentioned in Category-3.

Every bidder must comply the following conditions in order to be Pre-qualified in Category-3. All the required supporting documents must be attached where applicable.		Bidder to confirm their Capability to Manufacture and supply the Items as per the generic specifications mentioned in the Table.
Bidders failing to do so would be considered disqualified for further Technical evaluation.		
1	The Manufacturing Company must be certified by API under Specs. API11D1 last 08 years for Manufacturing/Testing of Packers up to the range of V0. The Manufacturer must provide a proven sale record of V0 tested Packers along with the required certifications.	
2	The Manufacturer must have API 14-A for the last 08 years in order to confirm Manufacturing Capability of Sub Surface Safety Valves.	
3	The Manufacturer must have API 14-L last 08 years for Manufacturing Lock Mandrels (V3 to V1) and Landing Nipples (V3 to V2).	
4	The Manufacturer must have API Specifications Q1 and ISO 9001 for Design, Manufacture and service of SSSV, Lock Mandrels, Landing Nipples and Packers.	
5	<p>The Bidder/Manufacturer must they have their own or authorized services set up in Pakistan with at least 2 to 3 competent and experienced completion engineers in Pakistan for successful execution of jobs.</p> <p>In case a manufacture does not have their own or authorized services set up in Pakistan with at least 2 to 3 then they will provide an undertaking with their bid that they will establish such facilities within 45 days after being successfully prequalified by OGDCL.</p> <p>No manufacturer will be prequalified in case they do not have a services set up in Pakistan (own or authorized) or provide and undertaking to establish the same after successful prequalification.</p>	
6	<p>If the bidder has not already supplied above mentioned TRSCSSVs & Wireline Set Production Packers (15,000 Psi Rating) to OGDCL then the following will be required:</p> <p>1. Supply Record of at least 50 Sets of Wireline sets Packers and TRSCSSV's of 15,000 Psi Rating during the last 05 Years from the Tender Opening Date. (Manufacturers/ Bidders who have already supplied the Items to OGDCL in the past</p>	


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	<p>during the last five years are not required to provide the same).</p> <p>2. Certificates of satisfactory performance issued by authorized officials of at least 3 different multinational E&P companies or other renowned E & P companies (not belonging to the manufacturer's country) regarding the indented TRSCSSVs & Wireline Set Production Packers (15,000 Psi rating) must be provided with the bid. The certificates must be 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. The bidder must provide latest E-mail/Fax numbers etc. to directly verify the authenticity of these certificates from the issuing authority/company. Certificates issued by supply houses etc. will not be acceptable.</p>	
7	<p>In case the bidder is different from the manufacturer then authority letters in original from the manufacturer to bidder must be furnished with the technical offer. The bidder will also provide a similar letter in case they have their local agent in Pakistan. The authority letter must be on company letter head, showing the name and contact details (E-mail & fax number) of the signing authority.</p>	
8	<p>All the threads, lengths and sizes mentioned above are for reference purpose only however the required threads, lengths and sizes of TRSCSSV and Packers will be specified at the time of tender.</p>	
9	<p>All completion accessories/tools included in this tender are based on our best knowledge however if any other completion accessory/tool is required then bidder to confirm that they will provide the same as per requirement.</p>	
10	<p>PH-6 Hydril threads or equivalent and 100% Interchangeable connections will also be acceptable e.g. Grant Prideco's "RTS-6", TPS Technitube "TS-6", Hunting's "TS-HD", Halliburton's "OECA-C" & Benoit's "BTS-6", Weatherford's WTS-6</p>	
11	<p>Vam Top HC or Equivalent Premium threads may be specified which may include the leading CAL IV Tested Threads Like JFE Bear, JFE Fox, Tenaris Blue, etc.</p> <p>Manufacturers to confirm that they will Provide the mentioned Threads or any other as specified for the above listed Items.</p>	
12	<p>OGDCL will arrange third Party inspection of the equipment, bidder to confirm that all necessary assistance will be provided to the third party Inspection company.</p>	


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13	Completion Services will be provided by the original OEM or authorized Completion Engineer to install all the provided Completions at any OGDCL site in Pakistan on as and when required basis. Confirmation to this effect along with CV's of at least 03 qualified and experienced completion Engineers must be enclosed with technical offer	
14	Completion Engineer should be professionally competent, must have 3 to 5 years relevant experience with Minimum of 10 to 15 jobs completion jobs carried out independently.	
15	Bidder to identify/mention the LC beneficiary for Saleable Items and the service Order beneficiary for Local services in their Data Summary Sheet.	
16	Manufacturer to confirm that the day rates will commence at the arrival of the Engineer at Rig site and will cease from the day when service Engineer completed the job at Rig site. No extra days will be paid.	
17	Only one service Engineer charges will be applicable to carry out the completion Job.	
18	Boarding lodging of Completion Engineer at Rig site will be the responsibility of OGDCL. However OGDCL will not provide any transport to service Engineer/tools to reach at rig site, it will be the exclusive responsibility of the service provider to arrange the transportation for the service engineer/tools from the base to the OGDCL site and back to the base	
19	The Bidder will ensure to send Local Service Engineer at Rig site within 02 days (maximum) after receiving mobilization notice from OGDCL.	
20	Services payment will be made as per actual services rendered at any OGDCL well on as and when required basis.	
21	Engineering Data Sheets, Technical literature along with installation manual on CD/USB of the manufacturer(s) for all the completion equipment must be submitted with the technical offer.	


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