

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

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

ANNEXURE 'A'

Material 7" & 5" CHROME LINER HANGERS
Tender Enquiry No PROC-FB/CB/DRLG/D-5434/2022
Due Date
Evaluation Criteria GROUP WISE

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
Group A								
1	7" HYDRAULIC SET ROTATING AND ROTATABLE LINER HANGER, L-80, 13-Chrome, 35 PPF, Premium connection, to set inside 9 5/8" casing 47-53.5PPF, Along with accessories as per detailed description	Number	3					
2	TIE BACK PACKER COMPLETE WITH SEALS ASSEMBLY & TIE BACK RECEPTACLE (DD 5.875), 15 ft length including spare seals for quoted 7", 35 PPF LINER HANGER AGAINST SR # 1.	Number	1					
Group B								
3	5" HYDRAULIC SET ROTATING AND ROTATABLE LINER HANGER, Min 95 KSI, 13-Chrome, 18 PPF, Premium semi flush Connection, to set inside 7" casing 35 PPF, Along with accessories as per detailed description	Number	3					

- Note:**
- i. BID BOND FOR GROUP A IS US \$ 10,000/- AND FOR GROUP B IS US\$ 9,000/- EQUIVALENT PAK RUPEES MUST BE SUBMITTED WITH THE TECHNICAL BID WITH VALIDITY OF 210 DAYS BEYOND OPENING DATE.
 - ii. BID VALIDITY IS 180 DAYS BEYOND OPENING DATE.
 - iii. BIDDING PROCEDURE IS "SINGLE STAGE SINGLE ENVELOPE" MASTER SET OF TENDER DOCUMENT IS AVAILABLE ON OGDCL'S WEBSITE.
 - iv. EVALUATION CRITERIA IS EACH GROUP WISE.
 - v. DELIVERY PERIOD IS MENTIONED IN TOR'S.

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GROUP A

DESCRIPTION:

- 1. 7" hydraulic set rotating and rotatable liner hanger, L-80, 13-Chrome, 35 PPF, VAM 21 / TSH blue / VA superior / JFE lion connection to hang 7" liner (length +/-1000 meters) inside 9-5/8", 47 PPF - 53.5 PPF casing along with collar & cross overs (if required)(Drifted for 5-7/8" bit). Qty = 03 sets

CONSISTING OF THE FOLLOWING:

- i. Hydraulic set pocket (protected) slip rotating & rotatable liner hanger (while cementing) with high performance top packer (HNBR) tested as gas tight under ISO 14310 Vo for effective annual sealing with high performance rubber seals suitable for 10,000psi bottom hole pressure & 350 f temperature, 7" (ID- 5.963" & D.D- 5.875"), L-80, 13-Chrome, 35 PPF, VAM 21/TSH blue/VA superior/JFE lion connection to set inside 9-5/8", 47 ppf - 53.5 ppf casing. Qty = 03 nos.
- ii. Tie back receptacle (compatible to item # 1), 7", L-80, 13-Chrome, 35 PPF, with 15 ft length. Qty = 03 Nos.
- iii. 8-1/4" OD nose type eccentric reamer shoe with side circulation ports having single valve, (DD- 5.875"), L-80, 13-Chrome, VAM 21 / TSH blue / VA superior / JFE lion connection for 7", 35 PPF casing. Qty = 03 nos.
- iv. Landing collar c/w plug catcher insert, catcher tube and cap, PDC drillable, 7" (DD- 5.875"), L-80, 13-Chrome, 35 PPF, VAM 21 / TSH blue / VA superior / JFE lion connection. Qty = 03 nos.
- v. Single valve float collar PDC drillable, 7" (DD- 5.875"), L-80, 13-Chrome, 35 PPF, VAM 21/TSH blue/VA superior/JFE lion connection. Qty = 03 nos.
- vi. Liner wiper plug with aluminum/ brass shear off rods for 7", L-80, 13-Chrome, 35 PPF casing. Qty = 03 Nos.
- vii. Pump down plug for 5", 19.5 PPF drill pipe. Qty = 03 nos.
- viii. Setting ball (1.750" bronze/phenolic) for above 7" liner hanger. Qty = 03 nos.
- ix. Cross overs (DD- 5.875"), L-80, 13-Chrome, 35 PPF, VAM 21/TSH blue/VA superior/JFE lion connection pin down for 7", 35 PPF casing (if required). Qty = 03 nos.

CONTINGENT SPARE ITEMS FOR GROUP-A, 7" LINER HANGERS (35 PPF)

- 2. Tie back packer complete with seal assembly & tie back receptacle (ID- 5.963" & DD- 5.875"), 15 ft. length for 7", L-80, 13-Chrome, 35 PPF liner hangers = 01 set
- 3. Spare seal rings for above seal assemblies = 01 set
- 4. Tie back float collar with orifice grooves (DD- 5.875") with plugs for 7", L-80, 13-Chrome, 35 PPF liner hangers = 01 set
- 5. LANDING COLLAR C/W PLUG CATCHER INSERT, CATCHER TUBE AND CAP PDC DRILLABLE, 7" (D.D- 5.875"), GRADE L-80, 35 PPF, VAM 21/TSH BLUE/VA SUPERIOR/JFE LION CONNECTION. QTY = 01 No.
- 6. LINER WIPER PLUG WITH ALUMINUM/ BRASS SHEAR OFF RODS COVERING WEIGHT RANGE OF QUOTED 7" LINER HANGERS. Qty = 01 No.
- 7. PUMP DOWN PLUG FOR 5", 19.5 PPF DRILL PIPE. Qty = 01 No.
- 8. Services rate as per TOR against Group-A i.e. 7" 35 PPF liner hangers as per financial bid format.

NOTE THAT IN CASE BIDDER QUOTES DIFFERENT THREADS FOR 7" LINER HANGER COMPLETE ASSEMBLY THEN TORQUE LIMIT OF QUOTED 7" LINER HANGER COMPLETE ASSEMBLY THREADS SHOULD BE EQUIVALENT OR EXCEEDS TO THE TORQUE VALUE OF REQUIRED THREADS (VAM 21/TSH BLUE/VA SUPERIOR/JFE LION).

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GROUP B

DESCRIPTION:

9. 5" hydraulic set rotating and rotatable liner hanger 13-Chrome, Min 95 KSI, 18 PPF, Vam SLIJ-II or equivalent semi flush CAL-II connection to hang 5" liner (length ± 600 M) inside 7", 32 - 35 PPF casing along with collar & cross overs (if required) (drifted for 4-1/8" bit). Qty = 03 sets

CONSISTING OF THE FOLLOWING ITEMS:

- i. Hydraulic set pocket (protected) slip rotating & rotatable liner hanger (while cementing) with high performance top packer (HNBR) tested as gas tight under ISO 14310 Vo for effective annulus sealing with high performance rubber seals suitable for 10,000psi bottom hole pressure & 350 of temperature, 5", 13-Chrome, Min 95 KSI, 18 PPF, Vam SLIJ-II or equivalent semi flush CAL-II connection to set inside 7", (32 - 35 PPF) casing. (drifted for 4-1/8" bit). Qty = 03 Nos.
- ii. Tie back receptacle (compatible to item # 1), 5", 13-Chrome, Min 95 KSI, 18 PPF with (15 ft) minimum length. Qty = 03 Nos.
- iii. 5-5/8" OD nose type eccentric reamer shoe with side circulation ports having single valve 13-Chrome, Min 95 KSI, 18 PPF, Vam SLIJ-II or equivalent semi flush CAL-II connection for 5", 18 ppf casing (drifted for 4-1/8" bit). Qty = 03 Nos.
- iv. Landing collar c/w plug catcher insert, catcher tube and cap insert type PDC drillable, for 5", 13-Chrome, Min 95 KSI, 18 PPF casing (drifted for 4-1/8" bit). Qty = 03 Nos.
- v. Single valve float collar PDC drillable, for 5", 13-Chrome, Min 95 KSI, 18 PPF casing (drifted for 4-1/8" bit). Qty = 03 Nos.
- vi. Liner wiper plug with aluminum/brass shear off rods for 5", 13-Chrome, Min 95 KSI, 18 PPF Casing. Qty = 03 Nos.
- vii. pump down plug for 3-1/2", 13.3 PPF & 5", 19.5 PPF drill pipe (combination string). Qty = 03 Nos.
- viii. Setting ball (1.25" bronze/phenolic) for above 5", 18 PPF liner hanger. Qty = 03 Nos.
- ix. Cross overs 13-Chrome, Min 95 KSI, Vam SLIJ-II or equivalent semi flush CAL-II connection pin down for 5", 18 PPF casing (if required) (drifted for 4-1/8" bit). Qty = 03 Nos.
- x. HOLD DOWN SUB FOR 5", 18 PPF, 13 chrome, Min 95 KSI LINER HANGERS TO SET INSIDE 7" (32 - 35 LBS/FT) CASING (DRIFTED FOR 4-1/8" BIT) = 03 Nos.
- xi. Services rate as per TOR against Group-B i.e. 5", 18 PPF liner hangers as per financial bid format.

NOTE THAT IN CASE BIDDER QUOTES DIFFERENT THREADS FOR 5" LINER HANGER COMPLETE ASSEMBLY THEN TORQUE LIMIT OF QUOTED 5" LINER HANGER COMPLETE ASSEMBLY THREADS SHOULD BE EQUIVALENT OR EXCEEDS TO THE TORQUE VALUE OF REQUIRED THREADS (Vam SLIJ-II or equivalent semi flush CAL-II connection).

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GENERAL TERMS & CONDITIONS

1. THE QUOTED LINER HANGER PIPE BODY SHOULD BE IN ACCORDANCE TO API 5CT.
2. THE MANUFACTURER MUST BE CERTIFIED BY API UNDER SPECS. API 5CT, IN THIS REGARD BIDDERS TO SUBMIT ACTIVE API 5CT CERTIFICATE.
3. THE MANUFACTURER QUOTED PLANT MUST BE CERTIFIED BY API UNDER SPECS. API 11D1, V₀ FOR THE LAST 5 CONSECUTIVE YEARS, THE CERTIFICATES SHOULD CONFIRM THE V₀ TESTING CAPABILITY OF THE PLANT FOR LAST CONSECUTIVE 05 YEARS. THE BIDDER TO PROVIDE COPIES OF THE RELEVANT API CERTIFICATES AS A PROOF (NO BREAKS WILL BE ACCEPTABLE).
4. MANUFACTURER OF THE LINER HANGER MUST HAVE V₀ CERTIFICATION FOR LINER TOP PACKERS FROM THE LAST 05 YEARS, IN THIS REGARD MANUFACTURER TO SUBMIT V₀ CERTIFICATION WITH THE TECHNICAL BID. PLEASE NOTE THAT API 5CT & 11D1, V₀ CERTIFICATION PROVIDED MUST BE OF SAME MANUFACTURER (SINGLE MANUFACTURER).
5. HANGER SLIPS OF LINER HANGER MUST BE POCKET TYPE.
6. BALL SEAT PROVISION SHOULD BE IN WIPER PLUG SYSTEM OR NEAR LINER HANGER.
7. ORIGINAL DETAILED TECHNICAL DRAWING IN ASSEMBLED & DIS-ASSEMBLED FORM AND COMPLETE TECHNICAL LITERATURE/SPECIFICATIONS OF OFFERED LINER HANGERS SPECIFYING TYPE & PART NO. MUST BE SUBMITTED WITH THE BID AGAINST EACH GROUP.
8. VALID V₀ TOP PACKER TEST CONDUCTED UNDER ISO 14310 FOR GAS TIGHT + AXIAL LOADS + TEMPERATURE CYCLING + ZERO BUBBLE ACCEPTANCE CRITERION FOR 10,000 PSI BOTTOM HOLE PRESSURE & 350 °F TEMPERATURE FOR 7" & 5" LINER HANGERS AGAINST EACH GROUP MUST BE PROVIDED WITH BID DOCUMENTS.
9. EACH SET OF LINER HANGER SHOULD BE PACKED INDEPENDENTLY IN ONE BOX. CONFIRMATION TO THIS EFFECT MUST BE PROVIDED IN THE OFFER.
10. THE SUCCESSFUL BIDDER HAS TO PROVIDE AT LEAST (02) TWO SETS OF RUNNING & SETTING PROCEDURE OF OFFERED LINER HANGER ON COMPLETION OF SHIPMENT TO DRILLING DEPARTMENT (OGDCL). CONFIRMATION TO THIS EFFECT MUST BE PROVIDED IN THE OFFER.
11. PART NUMBERS AS PER PACKING LIST AND COUNTRY OF MANUFACTURING WILL BE ENGRAVED ON EACH ITEM OF LINER HANGER EQUIPMENT. CONFIRMATION TO THIS EFFECT MUST BE PROVIDED IN THE OFFER.
12. ALL QUOTED ITEMS SHOULD BE BRAND NEW AND UN-USED. CONFIRMATION TO THIS EFFECT MUST BE PROVIDED IN THE OFFER.
13. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH MILL INSPECTION CERTIFICATE FOR THE SUPPLIED EQUIPMENT WITH FINAL SHIPPING DOCUMENTS. CONFIRMATION TO THIS EFFECT SHOULD BE PROVIDED WITH THE OFFER.
14. BIDDER WILL CONFIRM THE PROVISION OF TWO (02) APPLICATION LINER HANGER ENGINEERS WITH FIVE (05) YEARS' EXPERIENCE AS LINER HANGER ENGINEER ALONG WITH TRACK RECORD OF AT LEAST 10 SUCCESSFUL LINER HANGER JOBS DURING THE RECENT 05 YEARS. THE SAID LINER HANGER ENGINEERS WILL BE STATIONED IN PAKISTAN TO PROVIDE THE SOLUTIONS (TORQUE, DRAG & HYDRAULICS ETC) AT BIDDERS COST / AT NO COST TO OGDCL, AS ON & WHEN REQUIRED BASIS. CONFIRMATION TO THIS EFFECT ALONG WITH CV'S AND COPIES OF TEN (10) SUCCESSFUL LINER HANGER JOBS SERVICE TICKETS OF THE ENGINEERS MUST BE ENCLOSED IN BID.

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15. THIRD PARTY INSPECTION (TPI) BY INTERNATIONALLY REPUTED INSPECTION COMPANY IS REQUIRED AS PER OILINDUSTRY PRACTICE. OGDCL WILL ARRANGE PRE-SHIPMENT INSPECTION OF THE EACH CONSIGNMENT AGAINST CALL-OUT PURCHASE ORDERS. BIDDER/MANUFACTURER WILL PROVIDE FULL ASSISTANT TO INSPECTION COMPANY DURING INSPECTION. BIDDER TO CONFIRM THAT THIRD PARTY INSPECTION REPORT VERIFIED BY OGDCL WILL BE PROVIDED WITH THE SHIPPING DOCUMENTS FOR LC ENCASHMENT.

SCOPE OF WORK FOR TPI WILL BE AS FOLLOWS:

- (i) VERIFICATION OF ULTRASONIC INSPECTION OF LINER HANGERS WHERE APPLICABLE.
- (ii) VISUAL THREAD INSPECTION.
- (iii) API DRIFT WHERE APPLICABLE.
- (iv) VERIFICATION OF MILL TEST CERTIFICATES.
- (v) FULL PROCESS INSPECTION FROM THE START OF MANUFACTURING AS PER INDUSTRY **TRACEABILITY LEVEL FIVE (5)** WHICH INCLUDES PERFORMANCE & TEST REPORTS, TRACE MATRIX AND MATERIAL CERTIFICATES.

- 16. LOCAL BASE OF SERVICE COMPANY SHOULD BE ABLE TO HANDLE THREE (3) TO FOUR (4) JOBS SIMULTANEOUSLY.
- 17. SAME DAY RATE WILL BE APPLIED FOR LOCAL OR EXPATRIATE LINER HANGER ENGINEERS.
- 18. BOARDING/LODGING FOR LINER HANGER ENGINEER OTHER THAN THE RIG SITE WILL BE BORNE BY THECONTRACTOR.
- 19. OGDCL WILL PROVIDE ONLY TRANSIT / SECURITY COVER FROM AIRPORT / NEAREST PICKUP POINT TO RIG SITE ANDBOARDING /LODGING DURING STAY AT RIG SITE.
- 20. ALL SORT OF INSURANCE OF CONTRACTOR PERSONNEL BE ON CONTRACTOR ACCOUNT.
- 21. ENGINEER DAY RATE WILL BE APPLICABLE FOR THE PERIOD WHEN HE WILL REPORT AT RIG SITE TILL HE LEAVES THE RIG SITE. NO EXTRA MOBILIZATION/DEMobilIZATION WILL BE PAID. ROAD TRANSPORTATION WILL BE PROVIDED BY THEOGDCL FROM THE NEAREST AIRPORT /PICK UP POINT TO THE LOCATION AND BACK.
- 22. THE LINER HANGER SERVICES CONTRACT WILL BE EFFECTIVE UP TO UTILIZATION OF ALL THE SUPPLIED LINER HANGER JOBS FROM DATE OF SERVICE ORDER ISSUANCE.
- 23. BIDDER WILL PROVIDE RENTAL 7" LINER HANGER HYDRAULIC SETTING TOOL (HYDRAULIC SET & HYDRAULIC RELEASE WITH MECHANICAL RELEASE OPTION AS BACK UP) WITH 4-1/2" IF BOX COMPLETE WITH SLICK STINGER INCLUDING DEBRIS BARRIER COMPATIBLE TO SET & RUN ABOVE LINER HANGER AND PACKER SETTING DOG TOOL. SETTING TOOL MUST ALSO INCLUSIVE OF RETRIEVABLE CEMENTING BUSHING WITH HIGH PERFORMANCE RUBBER SEALS SUITABLE FOR 10,000 PSI BOTTOM HOLE PRESSURE & 350 °F TEMPERATURE POLISH ROD TYPE STINGER ON RENTAL AS AND WHEN REQUIRED BASIS FOR QUOTED 7" LINER HANGERS.
- 24. BIDDER WILL PROVIDE RENTAL 5" LINER HANGER HYDRAULIC SETTING TOOL (HYDRAULIC SET & HYDRAULIC RELEASE WITH MECHANICAL RELEASE OPTION AS BACK UP) WITH 3-1/2" IF BOX COMPLETE WITH SLICK STRINGER INCLUDING DEBRIS BARRIER COMPATIBLE TO SET & RUN ABOVE LINER HANGER AND PACKER SETTING DOG TOOL WITH RETRIEVABLE CEMENTING BUSHING WITH HIGH PERFORMANCE RUBBER SEALS SUITABLE FOR 10,000 PSI BOTTOM HOLE PRESSURE & 350 °F TEMPERATURE POLISH ROD TYPE STINGER ON RENTAL AS AND WHEN REQUIRED BASIS FOR QUOTED 5" LINER HANGERS.

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- 25. BIDDER WILL PROVIDE WITNESSING (IF REQUIRED BY OGDCL) OF SURFACE TEST AT HIS LOCAL WORKSHOP BEFORE DISPATCH OF LINER HANGER TO OGDCL RIG SITE.
 - 26. SEPARATE PURCHASE / SERVICE ORDERS WILL BE ISSUED FOR LINER HANGER ASSEMBLIES AND LINER HANGER SERVICES RESPECTIVELY. THE PURCHASE ORDER FOR SERVICES WILL BE PLACED ON THE LOCAL ENTITY/ OFFICE OF THE MANUFACTURER AND WILL BE PAID IN PAK RUPEES AS PER ACTUAL SERVICES RENDERED.
 - 27. FINANCIAL EVALUATION WILL BE CONDUCTED AS PER FINANCIAL EVALUATION FORMAT ATTACHED. IT IS MANDATORY TO QUOTE THE RATES AS PER FINANCIAL BID FORMAT.
 - 28. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING ALL THE RENTAL TOOLS RELEVANT TO THE LINER HANGER ALONG WITH RUNNING SETTING TOOLS FOR ALL THE REQUIRED LINER HANGERS AS SPECIFIED IN EACH GROUP (A & B).
 - 29. THE MOB DE-MOB OF ENGINEER AND EQUIPMENT TO FIELD LOCATIONS LOCATED IN ALL THE FOUR PROVINCES OF PAKISTAN WILL BE AT THE CONTRACTOR'S END. THE CONTRACTOR WILL BE RESPONSIBLE TO ENSURE THAT EQUIPMENT IS AVAILABLE AT LOCATION **IN MAX TWO (02) WORKING DAYS.**
 - 30. THE CONTRACTOR WILL CARRY OUT THE LINER HANGER SERVICES JOBS ON ALL RIG LOCATIONS IN PAKISTAN. THE CONTRACTOR WILL NOT REFUSE THE JOB AT ANY LOCATION DUE TO SECURITY CONCERNS, WHERE OGDCL RIGS OPERATE UNDER ITS OWN SECURITY SETUP. IN CASE THE JOB IS REFUSED UNDER ANY CIRCUMSTANCES THEN OGDCL WILL HAVE THE RIGHT TO IMPLEMENT ANY OF THE FOLLOWING:
 - I. CONTRACT CANCELLATION,
 - II. ENCASHMENT OF PERFORMANCE BOND.
 - III. ALL OF THE ABOVE.
- THE ABOVE PENALTIES MAY ALSO BE IMPLEMENTED IF OGDCL SUFFERS RIG STAND BY DUE TO THE NON-AVAILABILITY OF LINER HANGER EQUIPMENT & ENGINEER AS PER THE CONTRACT TERMS AND CONDITIONS.
- 31. INCASE OF FAILURE (OF JOB) OWING TO MAL-FUNCTIONING OF EQUIPMENT OR NEGLIGENCE OF SERVICE ENGINEER AT WELL SITE, ZERO PAYMENT AGAINST SERVICE JOB TICKET OF THAT PARTICULAR WELL WILL BE MADE.
 - 32. ALL "CALL-OUT INSTRUCTIONS" WILL BE SENT TO THE CONTRACTOR THROUGH E-MAIL. ON RECEIPT OF EACH "CALL- OUT INSTRUCTION", CONTRACTOR WILL ACKNOWLEDGE RECEIPT THROUGH RETURN E-MAIL AND WILL MOBILIZE LINER HANGER ENGINEER, RENTAL TOOLS AND EQUIPMENT AS PER THE INSTRUCTIONS GIVEN BY THE OGDCL.
 - 33. FOR SERVICES CONTRACTOR TO SUBMIT THEIR INVOICES ALONG WITH A COPY OF THE LINER HANGER JOB SERVICE TICKET. ALL INVOICES MUST REFER TO SUCH AGREEMENT/ CONTRACT/SERVICE ORDER. INVOICES SHALL BE SUPPORTED BY COMPANY'S CALL-OFF INSTRUCTION, EQUIPMENT DELIVERY TICKET, AND FIELD JOB SERVICE TICKET DULY SIGNED/STAMPED BY OGDCL LOCATION INCHARGE AND ACCOMPANIED BY OTHER RELEVANT DOCUMENTS.
 - 34. THE EVALUATION CRITERIA WILL BE EACH GROUP WISE (GROUP-A & GROUP-B).
 - 35. DELIVERY REQUIRED = WITHIN **120 DAYS** C & F BY SEA KARACHI, AFTER LC OPENING.

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FINANCIAL BID FORMAT

Sr. #	Description	UNIT	QTY	Total Cost (US \$) CFR by SEA Karachi.
A	LINER HANGER ASSEMBLIES (COMPLETE SET)			
	GROUP-A			
1.	7" hydraulic set rotating and rotatable liner hanger, L-80, 13-Chrome, 35 PPF, VAM 21 / TSH blue / VA superior / JFE lion connection to hang 7" liner (length +/-1000 meters) inside 9-5/8", 47 PPF - 53.5 PPF casing along with collar & cross overs (if required) (Drifted for 5-7/8" bit). From Sr. # 1 (i to ix) of SOR	SETS	03	
2.	Contingent spare items for Group-A, 7" Liner Hangers (35 PPF) From Sr. # 2 to 7 of SOR	LOT	01	
	GROUP-A TOTAL EQUIPMENT COST (SR # 1-2)			US \$ C&F BY SEA KARACHI
B	LINER HANGER SUPERVISOR/ENGINEER SERVICES			
	GROUP-A			US \$
1.	Liner hanger Engineer services day rate (10 days per job)	Per day	30 days	
2.	Service engineer Mob &De-Mob charges per job at any OGDCL Rig.	Per job	03 jobs	
3.	Running/ setting Tools-Mobilization/Demobilization charges per job at any OGDCL Rig.	Per job	03 jobs	
4.	Running/ setting Tools-operational Charges, assembly & test charges per job	Per job	03 jobs	
5.	Running/ setting Tools Redress charges per job	Per job	03 jobs	
6.	Cement Head- Rental Charges (If required)	Per job	03 jobs	
7.	Polish Mill Assembly (Top dress Mill & Polish Mill)-Rental per job. (If required)	Per job	03 jobs	
	GROUP-A TOTAL SERVICES COST (SR. # 1-7)			US \$
	GROUP-A TOTAL COST (MATERIAL + SERVICES)			US \$
A	LINER HANGER ASSEMBLIES (COMPLETE SET)			
	GROUP-B			
1.	5" hydraulic set rotating and rotatable liner hanger 13-Chrome, Min 95 KSI, 18 PPF, Vam SLIJ-II or equivalent semi flush CAL-II connection to hang 5" liner (length ± 600 M) inside 7", 32 - 35 PPF casing along with collar & cross overs (if required) (drifted for 4-1/8" bit). From Sr. # 9 (i to x) of SOR	SETS	03	
	GROUP-B TOTAL EQUIPMENT COST (SR. # 1)			US \$ C&F BY SEA KARACHI
B	LINER HANGER SUPERVISOR/ENGINEER SERVICES			
	GROUP-B			US \$
1.	Liner hanger Engineer services day rate (10 days per job)	Per day	30 days	
2.	Service engineer Mob &De-Mob charges per job at any OGDCL Rig.	Per job	03 jobs	
3.	Running/ setting Tools-Mobilization/Demobilization charges per job at any OGDCL Rig.	Per job	03 jobs	
4.	Running/ setting Tools-operational Charges, assembly & test charges per job	Per job	03 jobs	

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5.	Running/ setting Tools Redress charges per job	Per job	03 jobs	
6.	Cement Head- Rental Charges (If required)	Per job	03 jobs	
7.	Polish Mill Assembly (Top dress Mill & Polish Mill)-Rental per job. (If required)	Per job	03 jobs	
GROUP-B TOTAL SERVICES COST (SR. # 1-7)				US \$
GROUP-B TOTAL COST (MATERIAL + SERVICES)				US \$

Note:

- Day = 24 Hrs, Quantum of Jobs = 03 + 03 = 06 jobs
- The Payment will be made as per actual days/services rendered at any OGDCL well on as and when required basis, however Liner Hanger Engineer day rate charges is capped to maximum 10 days per job. In case of extra days, it will be considered as FOC.
- All the Prices must be inclusive of all types of taxes and duties except provincial sales tax.
- Bidder must quote prices for all individual items from Sr. # 1 to 9 of Schedule of requirement (SOR).

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