



**PRE-QUALIFICATION OF MANUFACTURERS / SUPPLIERS  
OF LINER HANGER ASSEMBLIES ALONG WITH SERVICES  
FOR A PERIOD OF THREE (03) YEARS ON AS AND WHEN REQUIRED BASIS**



THE BASIC CONCEPT IS TO PREQUALIFY THE INTERNATIONALLY REPUTABLE MANUFACTURERS OF LINER HANGER ASSEMBLIES FOR PROCUREMENT OF LINER HANGERS ALONG WITH SERVICES FOR A PERIOD OF THREE YEARS.

**TERMS OF REFERENCE:**

1. MANUFACTURERS/BIDDERS WILL BE PRE-QUALIFIED TECHNICALLY FOR A PERIOD OF THREE (03) YEARS, AND WILL BE INTIMATED THROUGH NOTIFICATION. IN THE PRE-QUALIFICATION PHASE NO RATES OR PRICES ARE TO BE QUOTED. ✓
2. AFTER PRE-QUALIFICATION AS PER REQUIREMENTS, INVITATION TO BID (TENDER ENQUIRIES) WITH REQUIRED QUANTITIES OF LINER HANGERS' ASSEMBLIES WILL BE ISSUED TO THE PRE-QUALIFIED BIDDERS FOR SUBMISSION OF FINANCIAL QUOTES ONLY. ✓
3. THE FINANCIAL QUOTES WILL BE VALID FOR 120 DAYS (FROM THE DATE OF FINANCIAL BID OPENING) SUPPORTED BY UPFRONT BID BOND VALID FOR 150 DAYS. (FROM THE DATE OF FINANCIAL BID OPENING) ✓
4. PAYMENT WILL BE MADE THROUGH L/C: **PAYMENT TERMS:** CLAUSE NO: 4 OF SECTION-III (PART-B) I.E. CONDITIONS OF CONTRACT "SPECIAL" OF TENDER DOCUMENT (UPLOADED ON OGDCL WEB SITE) HAS BEEN AMENDED AND FOLLOWING WILL BE THE PAYMENTS METHODS. ✓

- **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.
- **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.

5. PURCHASE ORDERS WILL BE PLACED ON FINANCIALLY LOWEST MANUFACTURER/BIDDER, AGAINST EACH GROUP-A1, GROUP-A2, GROUP-B & GROUP-C (DETAIL MENTIONED HEREUNDER). FOR SUPPLY OF MATERIAL ALL TERMS AND CONDITION OF THE STANDARD OGDCL TENDER DOCUMENT PRESENT ON OGDCL WEB SITE WILL BE APPLICABLE. ✓
6. OGDCL WILL PLACE PURCHASE ORDERS / SERVICE ORDERS DURING THE THREE YEARS TO THE FINANCIALLY LOWEST MANUFACTURERS/VENDORS AGAINST EACH I.T.B ISSUED, ON AS & WHEN REQUIRED BASIS. ✓
7. OGDCL MAY DECIDE TO REDUCE OR INCREASE THIS 3 YEARS CONTRACT PERIOD BASED ON ITS EXPERIENCE TO THIS LONG TERM PRE-QUALIFICATION. (Quantities) ✓
8. THE EVALUATION CRITERIA WILL BE EACH GROUP WISE (GROUP-A1, GROUP-A2, GROUP-B & GROUP-C). ✓
9. COMPLIANCE WITH DATA SHEET AND SPECIFICATIONS OF LINER HANGER ASSEMBLIES TO BE PROVIDED BY THE BIDDERS/MANUFACTURERS. ✓
10. BIDDERS ARE REQUIRED TO SUBMIT FINANCIAL QUOTATIONS AGAINST OGDCL'S ISSUED ITBS ON AS AND WHEN REQUIRED BASIS HOWEVER IN CASE, OF NON-SUBMISSION OF THEIR BID, THE BIDDER MUST SUBMIT A VALID REASON. ✓

**MANDATORY REQUIREMENTS FOR PRE-QUALIFICATION:**

1. THE QUOTED LINER HANGER PIPE BODY SHOULD BE IN ACCORDANCE TO API 5CT.
2. THE MANUFACTURING PLANT(S) MUST BE CERTIFIED BY API UNDER SPECS. API 5CT FOR THE LAST 5 CONSECUTIVE YEARS, IN THIS REGARD BIDDERS TO SUBMIT ACTIVE & LAST CONSECUTIVE 05 YEARS BACK API 5CT CERTIFICATES. FOR THIS TENDER THE FIVE YEAR PERIOD WILL BE CONSIDERED FROM THE DATE OF TENDER OPENING (TECHNICAL BID). THE MANUFACTURING PLANT(S) MUST BE CERTIFIED BY API UNDER SPECS. API 11D1 FOR THE LAST 5 CONSECUTIVE YEARS, THE CERTIFICATES SHOULD CONFIRM THE V<sub>0</sub> TESTING CAPABILITY OF THE PLANT. THE BIDDER TO PROVIDE COPIES OF THE RELEVANT API CERTIFICATES AS A PROOF (NO BREAKS WILL BE ACCEPTABLE).
3. MANUFACTURER OF THE LINER HANGER MUST HAVE V<sub>0</sub> CERTIFICATION FOR LINER TOP PACKERS FROM THE LAST 05 YEARS, IN THIS REGARD MANUFACTURER TO SUBMIT V<sub>0</sub> CERTIFICATION WITH THE TECHNICAL BID. PLEASE NOTE THAT API 5CT, 11D1 & V<sub>0</sub> CERTIFICATION PROVIDED MUST BE OF SAME MANUFACTURER (SINGLE MANUFACTURER).
4. HANGER SLIPS OF LINER HANGER MUST BE POCKET TYPE.

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5. BALL SEAT PROVISION SHOULD BE IN WIPER PLUG SYSTEM OR ALTERNATE PROVISION OF BALL SEATING ABOVE LANDING COLLAR NEAR LINER HANGER.
6. ORIGINAL DETAILED TECHNICAL DRAWING IN ASSEMBLED & DIS-ASSEMBLED FORM AND COMPLETE TECHNICAL LITERATURE OF OFFERED LINER HANGERS SPECIFYING TYPE & PART NO. MUST BE SUBMITTED WITH THE TECHNICAL BID AGAINST EACH GROUP.
7. VALID V<sub>0</sub> TOP PACKER TEST CONDUCTED UNDER ISO 14310 FOR GAS TIGHT + AXIAL LOADS + TEMPERATURE CYCLING + ZERO BUBBLE ACCEPTANCE CRITERION FOR 10,000PSI BOTTOM HOLE PRESSURE & 350 DEG. F TEMPERATURE FOR 7" & 5" LINER HANGERS AGAINST GROUP-A1, GROUP-A2 & GROUP-B AND FOR 9-5/8" LINER HANGER AGAINST GROUP-C VALID V<sub>3</sub> TOP PACKER TEST FOR 10,000 PSI PRESSURE & 300 DEG. F TEMPERATURE MUST BE PROVIDED WITH BID DOCUMENTS.
8. EACH SET OF LINER HANGER SHOULD BE PACKED INDEPENDENTLY IN ONE BOX. CONFIRMATION TO THIS EFFECT MUST BE PROVIDED IN THE TECHNICAL OFFER.
9. THE SUCCESSFUL BIDDER HAS TO PROVIDE AT LEAST (2) 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 TECHNICAL OFFER.
10. 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 TECHNICAL OFFER.
11. ALL ITEMS SHOULD BE BRAND NEW AND UN-USED. CONFIRMATION TO THIS EFFECT MUST BE PROVIDED IN THE TECHNICAL OFFER.
12. 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 TECHNICAL OFFER.
13. IF MANUFACTURER HAS NOT ALREADY SUPPLIED LINER HANGERS TO OGDCL, THEN MANUFACTURER WILL PROVIDE 03 (THREE) NUMBERS SATISFACTORY PERFORMANCE CERTIFICATES OF QUOTED/ SIMILAR LINER HANGERS ISSUED BY AUTHORIZED OFFICIAL(S) OF AT LEAST THREE (03) DIFFERENT MAJOR INTERNATIONAL E & P COMPANIES LIKE PDO, KOC, SHELL, BP, ENI, MOL, TOTAL OR EQUIVALENT IN FAVOUR OF MANUFACTURER (OTHER THAN MANUFACTURER(S) OWN COUNTRY) ALONG WITH PURCHASE ORDER OF SAME COMPANIES FOR SAID LINER HANGERS WITH THE TECHNICAL OFFER. IN CASE THE MANUFACTURER HAS SUPPLIED THE LINER HANGER TO OGDCL THEN ITS PERFORMANCE WILL BE EVALUATED ON BASIS OF IN HOUSE REPORTS. THE PERFORMANCE CERTIFICATES MUST BE ON COMPANY LETTER HEAD OF ISSUING COMPANIES ALONG WITH THE OFFICIAL EMAIL/ FAX NUMBERS OF ISSUING AUTHORITIES FOR VERIFICATION.
14. MANUFACTURER MUST HAVE SUPPLIED AT LEAST 1000 SETS OF 7" & 5" LINER HANGERS AND AT LEAST 20 SETS OF 9-5/8" LINER HANGERS TO INTERNATIONAL E & P COMPANIES DURING LAST 5 YEARS. MANUFACTURER MUST HAVE MINIMUM 5 (FIVE) YEARS' EXPERIENCE IN MANUFACTURING OF LINER HANGERS AND ITS ACCESSORIES. IN THIS REGARD BIDDER(S) SHOULD PROVIDE COMPREHENSIVE DETAILED SUPPLY RECORD OF LAST CONSECUTIVE 5 (FIVE) YEARS PREFERABLY OF EACH YEAR TO THE INTERNATIONAL E & P COMPANIES OPERATING IN OTHER THAN MANUFACTURERS OWN COUNTRY. THE SUPPLY RECORD SHOULD CONTAIN SALES RECORD OF OFFERED SIZES & WEIGHT OF LINER HANGERS, QUANTITY, AND NAME OF CUSTOMER / COUNTRY, (SUPPLY RECORD OF IRRELEVANT ITEMS OTHER THAN LINER HANGERS SHOULD NOT BE PROVIDED) SHOULD BE SUBMITTED WITH THE TECHNICAL OFFER. THE SUPPLY RECORD MUST BE ON COMPANY LETTER HEAD, SHOWING THE NAME AND CONTACT DETAILS (E-MAIL & FAX NUMBER) OF THE SIGNING AUTHORITY
15. BIDDER(S)/ MANUFACTURER(S) ARE REQUIRED TO SUBMIT COMPLETE SPECIFICATIONS OF THE OFFERED LINER HANGER(S) AS PER THEIR MANUFACTURER STANDARD
16. THE MANUFACTURER(S) SHOULD HAVE THEIR WORK SHOP FACILITY IN PAKISTAN. IN CASE THE MANUFACTURER DO NOT HAVE THE LINER HANGER WORKSHOP FACILITY WITHIN PAKISTAN, THEN MANUFACTURER TO PROVIDE AFFIDAVIT ALONG WITH THE TECHNICAL BID ENSURING ESTABLISHMENT OF LINER HANGER WORKSHOP IN PAKISTAN WITHIN SIXTY (60) DAYS AFTER THE ISSUANCE OF LOI( LETTER OF INTENT). CONFIRMATION TO THIS EFFECT SHOULD BE PROVIDED WITH THE TECHNICAL OFFER.
17. 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 TECHNICAL BID.
18. BIDDER(S) HAS TO CONFIRM UNCONDITIONALLY ON A SEPARATE LETTER THAT THE SERVICES OF LINER HANGER ENGINEER WILL BE PROVIDED AT ANY LOCATION IN PAKISTAN WHERE OGDCL OPERATES UNDER OGDCL SECURITY ARRANGEMENTS. THIS CONDITION IS MANDATORY.
19. THIRD PARTY INSPECTION (TPI) BY INTERNATIONALLY REPUTED INSPECTION COMPANY IS REQUIRED AS PER OIL INDUSTRY PRACTICE. OGDCL WILL ARRANGE PRE- SHIPMENT INSPECTION OF THE EACH CONSIGNMENT AGAINST CALL-OUT

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PURCHASE ORDERS FROM ANY OF THE FOLLOWING THIRD PARTIES INSPECTION COMPANIES (I) M/S BUREAU VERITAS (II) M/S. SGS (III) M/S. TUV AUSTRIA (IV) M/S. VELOSI (V) M/S. TUV RHEINLAND. 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.

20. LOCAL BASE OF SERVICE COMPANY SHOULD BE ABLE TO HANDLE THREE (3) TO FOUR (4) JOBS SIMULTANEOUSLY.
21. SAME DAY RATE WILL BE APPLIED FOR LOCAL OR EXPATRIATE LINER HANGER ENGINEERS.
22. BOARDING/LODGING FOR LINER HANGER ENGINEER OTHER THAN THE RIG SITE WILL BE BORNE BY THE CONTRACTOR.
23. OGDCL WILL PROVIDE ONLY TRANSIT / SECURITY COVER FROM AIRPORT / NEAREST PICKUP POINT TO RIG SITE AND BOARDING / LODGING DURING STAY AT RIG SITE.
24. ALL SORT OF INSURANCE OF CONTRACTOR PERSONNEL BE ON CONTRACTOR ACCOUNT.
25. 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 THE OGDCL FROM THE NEAREST AIRPORT / PICK UP POINT TO THE LOCATION AND BACK.
26. THE LINER HANGER SERVICES CONTRACT WILL BE EFFECTIVE UP TO UTILIZATION OF ALL THE SUPPLIED LINER HANGER JOBS FROM DATE OF SERVICE ORDER ISSUANCE.
27. 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 10,000PSI BOTTOM HOLE PRESSURE & 350 DEG. F TEMPERATURE POLISH ROD TYPE STINGER, 7" ( ID-6.094" MIN ), P-110/Q-125, 32 PPF, ON RENTAL AS AND WHEN REQUIRED BASIS FOR 7" LINER HANGERS.
28. 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 WITH RETRIEVABLE CEMENTING BUSHING WITH HIGH PERFORMANCE RUBBER SEALS SUITABLE FOR 10,000 PSI BOTTOM HOLE PRESSURE & 350 DEG. F TEMPERATURE POLISH ROD TYPE STINGER, 7" ( ID-6.004" MIN ), GRADE Q-125, 35 PPF, ON RENTAL AS AND WHEN REQUIRED BASIS FOR 7" LINER HANGERS.
29. 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 DEG. F TEMPERATURE POLISH ROD TYPE STINGER, 5" (ID 4.2") GRADE Q-125, 18 PPF, ON RENTAL AS AND WHEN REQUIRED BASIS FOR 5" LINER HANGERS.
30. BIDDER WILL PROVIDE RENTAL 9-5/8" LINER HANGER SETTING TOOL COMPATIBLE TO THE PROVIDED 9-5/8" LINER HANGER FOR SAFE AND SUCCESSFUL COMPLETION OF 9-5/8" LINER HANGER JOB.
31. 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.
32. FINANCIAL EVALUATION WILL BE CONDUCTED AS PER FINANCIAL EVALUATION FORMAT ATTACHED. IT IS MANDATORY TO QUOTE THE RATES AS PER FINANCIAL BID FORMAT.
33. SUCCESSFUL BIDDER (S) AGAINST EACH GROUP (A1, A2, AND B & C) WILL ARRANGE FACTORY VISIT OF TWO (02) DRILLING PROFESSIONALS DURING MANUFACTURING PROCESS AT ITS MANUFACTURING FACILITIES, AT THE ISSUANCE OF PURCHASE ORDER MENTIONING THAT MANUFACTURING FACILITY. ALL COST RELATED TO VISA, TRAVELLING, BOARDING / LODGING, ETC WILL BE BORNE BY BIDDER.
34. BIDDER WILL MAINTAIN THE FOLLOWING MINIMUM INVENTORY STOCK AGAINST EACH GROUP I.E. (GROUP -A1, GROUP-A2, GROUP- B & GROUP- C) FOR LINER HANGERS (INCLUDING THE LINER HANGER COMPLETE ASSEMBLIES,





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NECESSARY RENTAL TOOLS & ACCESSORIES ALONG WITH RUNNING TOOLS FOR REQUIRED SIZES OF LINER HANGERS) AT ITS LOCAL BASE ALL THE TIME AGAINST EACH ISSUED PURCHASE ORDER TO COPE UP ANY EMERGENT OPERATIONAL REQUIREMENT OF OGDCL.

SR #	DESCRIPTION	GROUP #	MINIMUM INVENTORY TO KEPT AT LOCAL BASE WITH SETTING TOOLS
01.	7", P-110/Q-125, 32 PPF, VAM 21/TSH BLUE CONN X 9-5/8", 43.5-53.5 PPF	GROUP-A1	03 NOS COMPLETE SET
02.	7", Q-125/HIGH COLLAPSE, 35 PPF, VAM 21/TSH BLUE CONN X 9-5/8", 43.5-53.5 PPF	GROUP-A2	03 NOS COMPLETE SET
03	5", Q-125/HIGH COLLAPSE, 18 PPF X 7", 29-35 PPF	GROUP-B	02 NOS COMPLETE SET
04.	9-5/8", P-110/Q-125, 53.5 PPF VAM 21/TSH BLUE CONN X 13-3/8", 68-72 PPF	GROUP-C	TO BE SUPPLIED UPON ISSUANCE OF PURCHASE ORDER

35. THE SUGGESTED PROCEDURE IS THAT AFTER THE ISSUANCE OF 1<sup>ST</sup> PURCHASE ORDER AGAINST EACH GROUP EXCEPT GROUP-C, THE SUCCESSFUL BIDDER WILL SUPPLY THE QUANTITY AS PER PURCHASE ORDER AND ALONG WITH THIS QUANTITY, THE FINANCIALLY LOWEST CONTRACTOR AGAINST EACH GROUP (A1, A2 & B) WILL BE RESPONSIBLE TO ARRANGE THE MINIMUM INVENTORY SPECIFIED AT CLAUSE # 36 ABOVE AT ITS OWN COST WITHIN 10 -14 WEEKS FROM THE LOI ISSUANCE DATE AGAINST 1<sup>ST</sup> PURCHASE ORDER. SUCCESSFUL BIDDER (S) AGAINST EACH ISSUED PURCHASE ORDER, WILL MAINTAIN THE MINIMUM INVENTORY STOCK AND UPON RECEIVING MOBILIZATION NOTICE FROM OGDCL, THEY WILL DELIVER THE REQUIRED LINER HANGER WITHIN NO TIME TO THE RESPECTIVE RIG ALONG WITH SERVICE ENGINEER, WHERE OGDCL'S STORE PERSONAL WILL RAISE THE NECESSARY STORE DOCUMENTS.

36. THE CONTRACTOR WILL ALSO 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 (A1, A2, B & C).

37. THE CONTRACTOR TO CONFIRM THE INITIAL AVAILABILITY OF MINIMUM INVENTORY MATERIAL AT THEIR END. IN CASE OF UTILIZATION OF EQUIPMENT (LINER HANGERS) ALONG WITH SERVICES FROM THE MINIMUM INVENTORY STOCK, OGDCL WILL ISSUE PURCHASE ORDER / SERVICE ORDER ACCORDINGLY, AS PER ALREADY ISSUED PURCHASE ORDER RATES.

38. TO MAINTAIN MINIMUM INVENTORY STOCK LEVEL AGAINST GROUP-A1, GROUP-A2 & GROUP-B AS PER CLAUSE # 36, OGDCL WILL ONLY PROVIDE IMPORT AUTHORIZATION LETTER ALONG WITH END USER CERTIFICATE. ALL CHARGES INCLUDING CLEARANCE WILL BE BORNE BY THE BIDDER.

39. THE MANUFACTURER/BIDDER WILL BE REQUIRED TO SUBMIT THE PERFORMANCE BOND AGAINST EACH ISSUED PURCHASE ORDER.

40. THE CONTRACTOR WILL BE REQUIRED TO ENSURE THAT IN CASE OGDCL ASKS FOR ANY ADDITIONAL INVENTORY OF LINER HANGERS THEN CONTRACTOR WILL ALSO ARRANGE THE ASSOCIATED RENTAL TOOLS ACCORDINGLY.

41. 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 THE EQUIPMENT IS AVAILABLE AT LOCATION **IN MAX TWO WORKING DAYS (02 DAYS)**.

42. 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.

43. IN CASE 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.

44. CONTRACTOR WITH EQUIPMENT AVAILABILITY / CONFIRMATION IN ANY OTHER COUNTRY WILL NOT BE ACCEPTABLE UNLESS AND UNTIL THE SAME IS BEING SHIPPED TO PAKISTAN TO CONTRACTORS YARD AND THE ASSOCIATED DOCUMENTS ARE PROVIDED. IN CASE THE FINANCIALLY LOWEST CONTRACTOR FAILS TO DO SO THEN OGDCL WILL HAVE THE RIGHT TO REFER TO THE SECOND LOWEST FOR THE SAME.

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45. THE CONTRACTOR WILL PROVIDE THE MILL TEST CERTIFICATES AND TRACEABILITY DOCUMENTS FOR THE EQUIPMENT BEING KEPT IN INVENTORY AND THE SAME WILL BE PROVIDED TO OGDCL PRIOR TO THE IMPORT OF THE EQUIPMENT OR ACTUAL UTILIZATION OF THE EQUIPMENT FOR VERIFICATION PURPOSE.

46. 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.

47. ALL ITEMS TO BE SUPPLIED AS PER SPECIFICATIONS MENTIONED IN THE AGREEMENT/ CONTRACT AGAINST EACH GROUP (A1, A2, B & C).

48. OGDCL WILL PROVIDE THE NECESSARY RECOMMENDATION LETTER(S) FOR CUSTOM CLEARANCE FOR THE MINIMUM INVENTORY EQUIPMENT MENTIONED IN CLAUSE # 36. HOWEVER THE CONTRACTOR WILL BE BOUND TO SUPPLY THE IMPORTED MATERIAL TO OGDCL ONLY. SUPPLY OF MATERIAL/EQUIPMENT IMPORTED FOR OGDCL ON CONCESSIONARY RATES TO ANY OTHER COMPANY/VENDOR WILL BE TREATED AS BREACH OF THE CONTRACT AND LIABLE TO BE PENALIZED.

49. 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.

50. ANY RETURN OR IMPORT FREIGHT AND CUSTOMS CLEARANCE CHARGES INCURRED AS A RESULT OF DEFECTIVE OR NON-CONFORMING MATERIAL WILL BE PAID BY THE CONTRACTOR.

51. LINER HANGER WITH PREMIUM CONNECTIONS LIKE VAM 21, TSH BLUE CONNECTIONS OR 100 % EQUIVALENT PREMIUM CONNECTIONS FOR 9-5/8" & 7" LINER HANGERS AND VAM FJL & VAF INTEGRAL OR 100 % EQUIVALENT PREMIUM CONNECTIONS FOR 5" LINER HANGER WILL BE REQUIRED. EXACT CONNECTION TYPE WILL BE CONFIRMED AT TIME OF ISSUANCE OF SOR/PURCHASE ORDER.

52. THE MANUFACTURER TO CONFIRM THAT THEY HAVE THEIR OWN EXISTING OPERATIONAL BASE IN PAKISTAN (WITH SUFFICIENT CAPACITY TO MAINTAIN THE INVENTORY, ASSEMBLING, REDRESSING & TESTING OF LINER HANGERS) WHERE THEY WILL MAINTAIN THE REQUIRED MINIMUM LEVEL OF INVENTORY AS SPECIFIED IN CLAUSE # 36. THE MANUFACTURER TO PROVIDE THE PICTURES & COMPLETE ADDRESS OF THE WORKSHOP/YARDS. OGDCL TEAM WILL VISIT THE YARDS UN-ANNOUNCED TO INSPECT THE YARD.

53. THE 1<sup>ST</sup> PURCHASE ORDER WILL BE FINALIZED ONCE THE MINIMUM INVENTORY IS IN PLACE AFTER LOI ISSUANCE IN THE DESIRED 10 TO 14 WEEKS.

54. ALL THE REQUIRED SUPPORTING DOCUMENTS MUST BE ATTACHED WITH THE TECHNICAL BID. ANY TECHNICAL BID WITHOUT THE REQUIRED SUPPORTING DOCUMENTS OR NOT FULFILLING THE ABOVE CONDITIONS, WILL NOT BE CONSIDERED FOR TECHNICAL EVALUATION.

55. THE FOLLOWING ATTACHMENTS ARE ALSO PART OF THIS TENDER;

- i. TECHNICAL SPECIFICATIONS FOR GROUP-A1 LINER HANGERS 7", P-110/Q-125 32 PPF, VAM 21/ TSH BLUE CONNECTION TO SET INSIDE 9-5/8", 43.5 PPF TO 53.5 PPF CASING.
- ii. TECHNICAL SPECIFICATIONS FOR GROUP-A2 LINER HANGERS 7", Q-125/HIGH COLLAPSE 35 PPF, VAM 21 / TSH BLUE CONNECTION TO SET INSIDE 9-5/8", 43.5 PPF TO 53.5 PPF CASING.
- iii. TECHNICAL SPECIFICATIONS FOR GROUP-B LINER HANGERS 5", Q-125/HIGH COLLAPSE 18 PPF, VAM FJL / VAF INTEGRAL CONNECTION TO SET INSIDE 7", 29 PPF TO 35 PPF CASING.
- iv. TECHNICAL SPECIFICATIONS FOR GROUP-C LINER HANGERS 9-5/8", P-110/Q-125, 53.5 PPF, VAM 21/ TSH BLUE CONNECTION TO SET INSIDE 13-3/8", 68 PPF TO 72 PPF CASING.
- v. FINANCIAL EVALUATION CRITERIA.

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**PRE-QUALIFICATION OF MANUFACTURERS / SUPPLIERS  
OF LINER HANGER ASSEMBLIES ALONG WITH SERVICES  
FOR A PERIOD OF THREE (03) YEARS ON AS AND WHEN REQUIRED BASIS**



**TECHNICAL SPECIFICATION OF LINER HANGERS;**

**GROUP-A1**

**DESCRIPTION:**

(1) 7" HYDRAULIC SET ROTATING AND ROTATABLE LINER HANGER GRADE P-110/Q-125/P-110 (125 KSI), 32 PPF, VAM 21/TSH BLUE/VAM TOP OR ANY OTHER PREMIUM CONNECTION TO HANG 7" LINER (LENGTH +/-1500 METERS) INSIDE 9-5/8", 43.5 – 53.5 PPF CASING ALONG WITH COLLAR & CROSS OVERS (IF REQUIRED). (DRIFTED FOR 6" BIT).

**CONSISTING OF THE FOLLOWING:-**

- 1.1 HYDRAULIC SET POCKET (PROTECTED) SLIP ROTATING AND ROTATABLE LINER HANGER 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 10,000 PSI BOTTOM HOLE PRESSURE & 350 DEG. F TEMPERATURE, 7" (ID- 6.094"), P-110/Q-125, 32 PPF, VAM 21/TSH BLUE/PREMIUM CONNECTION TO SET INSIDE 9-5/8", 43.5 – 53.5 PPF CASING.
- 1.2 TIE BACK RECEPTACLE (COMPATIBLE TO ITEM AT S.NO. 1.1), 7", P-110/Q-125, 32 PPF WITH MINIMUM 10 FT LENGTH.
- 1.3 8-1/4" OD REAMER SHOE WITH TWO CHECK VALVES, (ID- 6.094"), P-110/Q-125, VAM 21/TSH BLUE/PREMIUM CONNECTION FOR 7" CASING.
- 1.4 LANDING COLLAR PDC DRILLABLE, 7" (ID- 6.094"), P-110/Q-125, 32 PPF, VAM 21/TSH BLUE/PREMIUM CONNECTION.
- 1.5 LINER WIPER PLUG WITH ALUMINUM/ BRASS SHEAR OFF RODS FOR 7", P-110/Q-125, 32 PPF CASING.
- 1.6 PUMP DOWN PLUG FOR 5", 19.5 PPF DRILL PIPE.
- 1.7 SETTING BALL (BRONZE/PHENOLIC) FOR ABOVE 7" LINER HANGER.

**GROUP-A2**

**DESCRIPTION:**

(2) 7" HYDRAULIC SET ROTATING AND ROTATABLE LINER HANGER, GRADE Q-125/HIGH COLLAPSE , 35 PPF, VAM 21/TSH BLUE/VAM TOP/VA SUPERIOR/ TSH SEC OR ANY OTHER PREMIUM CONNECTION TO HANG 7" LINER (LENGTH +/-1500 METERS) INSIDE 9-5/8", 43.5 PPF - 53.5 PPF CASING ALONG WITH COLLAR & CROSS OVERS (IF REQUIRED) (DRIFTED FOR 5-7/8" BIT).

**CONSISTING OF THE FOLLOWING:-**

- 2.1 HYDRAULIC SET POCKET (PROTECTED) SLIP ROTATING & ROTATABLE LINER HANGER 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 DEG. F TEMPERATURE, 7" (ID- 6.004"), Q-125/HIGH COLLAPSE, 35 PPF, VAM 21/TSH BLUE/PREMIUM CONNECTION TO SET INSIDE 9-5/8", 43.5 PPF - 53.5 PPF CASING.
- 2.2 TIE BACK RECEPTACLE (COMPATIBLE TO ITEM AT S.NO. 2.1), 7", GRADE Q-125/HIGH COLLAPSE, 35 PPF, WITH 10 FT LENGTH.
- 2.3 8-1/4" REAMER SHOE WITH TWO CHECK VALVES, (ID- 6.004"), GRADE Q-125/HIGH COLLAPSE, VAM 21/TSH BLUE/PREMIUM CONNECTION (FOR 7" CASING).
- 2.4 LANDING COLLAR PDC DRILLABLE, 7"(ID- 6.004"), GRADE Q-125/HIGH COLLAPSE, 35 PPF, VAM 21/TSH BLUE/PREMIUM CONNECTION.
- 2.5 LINER WIPER PLUG WITH ALUMINUM/ BRASS SHEAR OFF RODS FOR 7", GRADE Q-125, 35 PPF CASING.
- 2.6 PUMP DOWN PLUG FOR 5", 19.5 PPF DRILL PIPE.
- 2.7 SETTING BALL (BRONZE/PHENOLIC) FOR ABOVE 7" LINER HANGER.

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**PRE-QUALIFICATION OF MANUFACTURERS / SUPPLIERS  
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**GROUP-B**

(3) 5" HYDRAULIC SET ROTATING AND ROTATABLE LINER HANGER GRADE Q-125/HIGH COLLAPSE, 18 LBS/FT, VAM FJL/ VAF INTEGRAL/PREMIUM FLUSH CONNECTION TO HANG 5" LINER (LENGTH +/- 1500 M) INSIDE 7", 29 -35 LBS/FT CASING ALONG WITH COLLAR & CROSS OVERS (IF REQUIRED). (DRIFTED FOR 4-1/8" BIT).

**CONSISTING OF THE FOLLOWING ITEMS:-**

- 3.1 HYDRAULIC SET POCKET (PROTECTED) SLIP ROTATING & ROTATABLE LINER HANGER 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 DEG. F TEMPERATURE, 5", Q-125/HIGH COLLAPSE, 18 PPF, VAM FJL/ VAF INTEGRAL/PREMIUM FLUSH CONNECTION TO SET INSIDE 7", 29 PPF - 35 PPF CASING.(DRIFTED FOR 4-1/8" BIT).
- 3.2 TIE BACK RECEPTACLE (COMPATIBLE TO ITEM AT S.NO. 3.1), 5", GRADE Q-125/HIGH COLLAPSE, 18 PPF WITH 10 FT MINIMUM LENGTH.
- 3.3 5-1/2" REAMER SHOE WITH TWO CHECK VALVES, GRADE Q-125/HIGH COLLAPSE, VAM FJL/ VAF INTEGRAL/PREMIUM FLUSH CONNECTION FOR 5" CASING (DRIFTED FOR 4-1/8" BIT).
- 3.4 LANDING COLLAR INSERT TYPE PDC DRILLABLE, FOR 5", 18 PPF CASING (DRIFTED FOR 4-1/8" BIT).
- 3.5 LINER WIPER PLUG WITH ALUMINUM/BRASS SHEAR OFF RODS FOR 5", 18 PPF CASING.
- 3.6 PUMP DOWN PLUG FOR 3-1/2", 13.3 PPF & 5", 19.5 PPF DRILL PIPE (COMBINATION STRING).
- 3.7 SETTING BALL (BRONZE/PHENOLIC) FOR ABOVE 5", 18 PPF LINER HANGER.

**GROUP-C**

**DESCRIPTION:**

(4) 9-5/8" HYDRAULIC SET ROTATING AND ROTATABLE LINER HANGER, GRADE P-110/Q-125, 53.5 PPF, VAM 21/TSH BLUE/PREMIUM CONNECTION TO HANG 9-5/8" LINER (LENGTH +/-1500 METERS) INSIDE 13-3/8", 68 PPF - 72 PPF CASING ALONG WITH COLLAR & CROSS OVERS (IF REQUIRED) (DRIFTED FOR 8-1/2" BIT).

**CONSISTING OF THE FOLLOWING:-**

- 4.1 HYDRAULIC SET POCKET (PROTECTED) SLIP ROTATING & ROTATABLE LINER HANGER WITH HIGH PERFORMANCE TOP PACKER (HNBR) TESTED AS GAS TIGHT UNDER ISO 14310 VO FOR EFFECTIVE ANNUALS SEALING WITH HIGH PERFORMANCE RUBBER SEALS SUITABLE FOR 10,000PSI BOTTOM HOLE PRESSURE & 350 DEG. F TEMPERATURE, 9-5/8", P-110/Q-125, 53.5 PPF, VAM 21/TSH BLUE/PREMIUM CONNECTION TO SET INSIDE 13-3/8", 68 PPF - 72 PPF CASING.(DRIFTED FOR 8-1/2" BIT)
- 4.2 TIE BACK RECEPTACLE (COMPATIBLE TO ITEM AT S.NO. 4.1), 9-5/8", GRADE P-110/Q-125, 53.5 PPF, WITH MINIMUM 10 FT LENGTH.
- 4.3 12" OD REAMER SHOE WITH TWO CHECK VALVES, GRADE P-110/Q-125, VAM 21/TSH BLUE/PREMIUM CONNECTION (TO RUN IN 12-1/4" HOLE THROUGH 13-3/8" CASING ,68-72 PPF).
- 4.4 LANDING COLLAR PDC DRILLABLE, 9-5/8, GRADE P-110/Q-125, 53.5 PPF, VAM 21/TSH BLUE/PREMIUM CONNECTION.
- 4.5 LINER WIPER PLUG WITH ALUMINUM/ BRASS SHEAR OFF RODS FOR 9-5/8", GRADE P-110/Q-125, 53.5 PPF CASING.
- 4.6 PUMP DOWN PLUG FOR 5", 19.5 PPF DRILL PIPE.
- 4.7 SETTING BALL (BRONZE/PHENOLIC) FOR ABOVE 9-5/8" LINER HANGER.

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**PRE-QUALIFICATION OF MANUFACTURERS / SUPPLIERS  
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**FINANCIAL BID FORMAT  
FOR PROVISION OF LINER HANGER ASSEMBLIES & LINER HANGER ENGINEERING SERVICES**

S.#	Description	UNIT	QTY	Total Cost (US\$) CFR by SEA Karachi.
<b>A</b>	<b><u>LINER HANGER ASSEMBLIES (COMPLETE SET)</u></b>			
	<b><u>GROUP-A1</u></b>			
1.	7" Hydraulic Set Rotating and Rotatable Liner Hanger Grade P-110/Q-125/P-110 (125 KSI), 32 PPF, VAM 21/TSH Blue connection to hang 7" Liner (Length +/- 1500 Meters) inside 9-5/8", 43.5 – 53.5 PPF Casing along with Collar & Cross overs (if required). (Drifted for 6" bit).	SETS	-----	
	<b><u>GROUP-A2</u></b>			
2.	7" Hydraulic Set Rotating and Rotatable Liner Hanger, Grade Q-125/High Collapse , 35 PPF, VAM 21/TSH Blue connection to hang 7" Liner (Length +/- 1500 Meters) inside 9-5/8", 43.5 PPF - 53.5 PPF Casing along with Collar & Cross overs (if required) (Drifted for 5-7/8" Bit).	SETS	-----	
	<b><u>GROUP-B</u></b>			
3.	5" Hydraulic Set Rotating and Rotatable Liner Hanger Grade Q-125/High Collapse, 18 lbs/ft, VAM FJL/ VAF Integral connection to hang 5" liner (length +/- 1500 M) inside 7", 29-35 lbs/ft casing along with Collar & Cross overs (if required). (Drifted for 4-1/8" bit).	SETS	-----	
	<b><u>GROUP-C</u></b>			
4.	9-5/8" Hydraulic Set Rotating and Rotatable Liner Hanger, Grade P-110/Q-125, 53.5 PPF, VAM 21/TSH Blue connection to hang 9-5/8" Liner (Length +/- 1500 Meters) inside 13-3/8", 68 PPF - 72 PPF Casing along with Collar & Cross overs (if required) (Drifted for 8-1/2" Bit).	SETS	-----	
<b>B</b>	<b><u>LINER HANGER SUPERVISOR/ENGINEER SERVICES</u></b>			
1.	Liner hanger Engineer services day rate (7 days per job)	Per day	---- days	
<b>C</b>	<b><u>MOBILIZATION &amp; DE-MOBILIZATION CHARGES FOR SERVICES ENGINEER.</u></b>			
1.	Service engineer Mob & De-Mob charges per job at any OGDCL Rig.	Per job	---- jobs	
<b>D</b>	<b><u>RUNNING/ SETTING TOOLS CHARGES</u></b>			
1.	Running/ setting Tools-Mobilization/Demobilization charges per job at any OGDCL Rig.	Per job	---- Jobs	
2.	Running/ setting Tools-operational Charges, assembly & test charges per job	Per job	-----	
3.	Running/ setting Tools Redress charges per job	Per job	-----	
4.	Cement Head- Rental Charges (If required)	Per job	-----	
5.	Polish Mill Assembly (Top dress Mill & Polish Mill)-Rental per job. (If required)	Per job	-----	

**Note:**

- Day = 24 Hrs, Quantum of Jobs = ----- 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 07 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.

*[Handwritten Signature]*

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