



OIL & GAS DEVELOPMENT COMPANY LIMITED
REQUEST FOR QUOTATION (FOREIGN)
 OGDCL House, Jinnah Avenue, Islamabad Pakistan

Description: Procurement of X-Over & Bit Sub
Tender Enquiry No: 6200000003/PROC-FB/CB/DRLG/D-5452/22
Delivery Period: 5 Months CFR by SEA after LC Establishment
Evaluation Criteria: Full Consignment Wise
Bid Bond Value: USD 5000/- equivalent PAK Rupees must be submitted with technical bid with validity of 210 days beyond opening date.
Bid Validity: 180 Days from technical bid opening date
Bidding Procedure: Single Stage T w o Envelope. Master set of Tender Document is available on OGDCL's Website
Purchase Req: 20000057
Attachments: Yes

SR NO	Material Description	Unit	Quantity	Unit Price (USD) (FOB)	Total Price (USD) (FOB)	Unit Price (USD) (CFR)	Total Price (USD) (CFR)	Deviation From Tender Spec. If Any
1.	CROSS OVER/SUBSTITITUTE BOX 6-5/8" REG PIN7-5/8" REG 36" OD 9-1/2"X ID 2-13/16"	NO	8					
2.	CROSS OVER/SUBSTITITUTE BOX 6-1/4" OD X 2-13/16" ID 4" IF PIN 8" OD X 2-13/16" ID 6-5/8" REG 36" FISH NECK	NO	8					
3.	CROSS OVER/SUBSTITITUTE BOX 4-1/2" IF PIN7-5/8" REG 9-1/2"X3"X36"	NO	8					
4.	CROSS OVER/SUBSTITITUTE BOX 4-1/2" IF PIN6-5/8" REG 8"X2-13/16"X36"	NO	10					
5.	CROSS OVER/SUBSTITITUTE DRILL COLLAR/PIPE BOX6-1/4" X 2-13/16" 4-1/2" IF PIN 6-5/8" X 2-13/16" 4" IF 36" API 7-1	NO	10					
6.	CROSS OVER/SUBSTITITUTE DRILL COLLAR/PIPE BOXOD 4-1/8" X 2 1/8" ID 2-7/8" IF PIN OD 4-3/4"X 2-1/8" ID 3-1/2" IF 36" API 7-1	NO	5					
7.	CROSS OVER/SUBSTITITUTE DRILL COLLAR/PIPE BOX OD 3-1/8"X1-1/2" ID 2-3/8" IF PIN OD 3-3/8"X1-1/4" ID 2-3/8 REG 36" API 7-1	NO	8					

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8.	CROSS OVER/SUBSTITITUTE DRILL COLLAR/PIPE BOX OD 3-1/8"X1-1/4" ID 2-7/8" IF PIN OD 4-1/8"X1-1/4" ID 2-3/8" REG 36" API 7-1	NO	5					
9.	CROSS OVER/SUBSTITITUTE DRILL PIPE BOX OD 4-3/4"X2-11/16" ID 4-1/2" IF PIN OD 6-5/8"X2-11/16" ID 3 1/2" IF 36" API 7-1	NO	12					
10.	CROSS OVER/SUBSTITITUTE DRILL PIPE BOX OD 3-3/8"X1-1/2" ID 3-1/2" IF PIN OD 4-3/4" X 1-1/2" ID 2-3/8" IF 36" API 7-1	NO	5					
11.	CROSS OVER/SUBSTITITUTE DRILL PIPE BOX OD 4-1/8"X2-1/8" ID 3-1/2" IF PIN OD 4-3/4"X2-1/8" ID 2-7/8" IF 36" API 7-1	NO	4					
12.	CROSS OVER/SUBSTITITUTE DRILL PIPE BOX OD 4-3/4" X 2-11/16" ID 3-1/2" IF PIN OD 6-5/8" X 2-11/16" ID 4-1/2" IF 36" API 7-1	NO	8					
13.	CROSS OVER/SUBSTITITUTE DRILL COLLAR/MM BOX OD 6-1/4"X2-13/16" ID 4" IF PIN OD 6-3/4"X2-13/16" ID 4-1/2" IF 36" API 7-1	NO	8					
14.	CROSS OVER/SUBSTITITUTE DRILL COLLAR/PIPE BOX OD 4-3/4"X2-11/16" ID 3-1/2" IF PIN OD 8"X2-11/16" ID 6-5/8" REG 36" API 7-1	NO	8					
15.	CROSS OVER/SUBSTITITUTE DRILL PIPE/SCRAPPER PIN OD 6"X2" ID 3-1/2" IF PIN OD 4-3/4"X2" ID 4-1/2" REG 36" API 7-1	NO	8					
16.	CROSS OVER/SUBSTITITUTE DRILL PIPE/SCRAPPER PIN OD 4-3/4"X1-3/4" ID 2-3/8" IF PIN OD 3-3/8"X1-3/4" ID 3-1/2" REG 36" API 7-1	NO	8					
17.	CROSS OVER/SUBSTITITUTE DRILL PIPE/SCRAPPER PIN OD 4-3/4" X 1-3/4" ID 2-7/8" IF PIN OD 4-1/8" X 1-3/4" ID 3-1/2" REG 36" API 7-1	NO	8					
18.	CROSS OVER/SUBSTITITUTE PUMP IN SUB PIN OD 4-3/4"X1-13/16" ID 3-1/2" IF OD 4-3/4"X1-13/16" ID 2" FIG 1502 HAMMER UNION 24" API 7-1	NO	8					
19.	CROSS OVER/SUBSTITITUTE PUMP IN SUB PIN OD 6-5/8"X1-13/16" ID 4-1/2" IF OD 6-5/8"X1-13/16" ID 2" FIG 1502 HAMMER UNION 24" API 7-1	NO	8					

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20.	CROSS OVER/SUBSTITITUTE DRILL COLLAR/STAB PIN OD 9-1/2"X3" ID 7-5/8" REG PIN OD 9-1/2"X3" ID 7-5/8" REG 36" API 7-1	NO	8					
21.	CROSS OVER/SUBSTITITUTE DRILL COLLAR/STAB PINOD 8"X2-13/16" ID 6-5/8" REG PIN OD 8"X2-13/16" ID 6-5/8" REG 36" API 7-1	NO	8					
22.	CROSS OVER/SUBSTITITUTE HWDP/BOP TEST PLUG PINOD 6-5/8"X3" ID 4-1/2" IF PIN OD 6-5/8"X3" ID4-1/2" IF 36" API 7-1	NO	8					
23.	SUBSITUTE BIT KELLY BIT 9 - 1/2'' 3'' ID 7 - 5/8'' REG BOX 7 - 5/8'' REG BOX 36''	NO	8					
24.	SUBSITUTE BIT KELLY BIT 8'' 2 - 13/16'' ID 6 - 5/8'' REG BOX 6 - 5/8'' REG BOX 36''	NO	10					
25.	. BIT SUBSTITUTE 6-1/4" OD X 2-1/4" ID X 36"LENGTH CONN 4" BOX UP X 4-1/2" REG BOX DOWN	NO	12					
26.	SUBSITUTE BIT KELLY BIT 4 - 3/4'' 1-1/2" ID 3 - 1/2'' IF BOX 3 - 1/2'' REG BOX 36''	NO	12					
27.	SUBSITUTE BIT KELLY BIT 3 - 1/8'' 1 - 1/4'' ID 2 - 3/8'' REG BOX 2 - 3/8'' REG BOX 36''	NO	6					

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X-OVERS:

1. REDUCED/BOTTLENECK CROSS OVER SUB, TOP-FISHNECK, AS PER API 7-1, DRILL COLLAR TO DRILL COLLAR, MAJOR OD 9-1/2" X 2-13/16" ID, 36" LONG, BOTTOM CONNECTION 7-5/8" API REG PIN X REDUCED OD 8" X 2-13/16" ID, TOP CONNECTION 6-5/8" API REG BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 45 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM SHOULDER. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(9-1/2" DRILL COLLAR X 8" DRILL COLLAR)**, QUANTITY REQUIRED = **08 NOS.**
2. REDUCED/BOTTLENECK CROSS OVER SUB, TOP-FISHNECK, AS PER API 7-1, DRILL COLLAR TO DRILL COLLAR, MAJOR OD 8" X 2-13/16" ID, 36" LONG, BOTTOM CONNECTION 6-5/8" API REG PIN X REDUCED OD 6-1/4" X 2-13/16" ID, TOP CONNECTION NC46 (4" IF) BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 45 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM SHOULDER. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(8" DRILL COLLAR X 6-1/4" DRILL COLLAR)**. QUANTITY REQUIRED = **08 NOS.**
3. REDUCED/BOTTLENECK CROSS OVER SUB, TOP-FISHNECK, AS PER API 7-1, DRILL COLLAR TO DRILL PIPE, MAJOR OD 9-1/2" X 3" ID, 36" LONG, BOTTOM CONNECTION 7-5/8" API REG PIN X REDUCED OD 6-5/8" X 3" ID, TOP CONNECTION NC50 (4-1/2" IF) BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 45 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM SHOULDER. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(9-1/2" DRILL COLLAR X 5" DRILL PIPE)**. QUANTITY REQUIRED = **08 NOS.**
4. REDUCED/BOTTLENECK CROSS OVER SUB, TOP-FISHNECK, AS PER API 7-1, DRILL COLLAR TO DRILL PIPE, MAJOR OD 8" X 2-13/16" ID, 36" LONG, BOTTOM CONNECTION 6-5/8" API REG PIN X REDUCED OD 6-5/8" X 2-13/16" ID, TOP CONNECTION NC50 (4-1/2" IF) BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 45 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM SHOULDER. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(8" DRILL COLLAR X 5" DRILL PIPE)**. QUANTITY REQUIRED = **10 NOS.**
5. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL COLLAR TO DRILL PIPE, MAJOR OD 6-5/8" X 2-13/16" ID, 36" LONG, BOTTOM CONNECTION NC46 (4" IF) PIN X REDUCED OD 6-1/4" X 2-13/16" ID, TOP CONNECTION NC50 (4-1/2" IF) BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(6-1/4" DRILL COLLAR X 5" DRILL PIPE)**. QUANTITY REQUIRED = **10 NOS.**
6. REDUCED/BOTTLENECK CROSS OVER SUB, TOP-FISHNECK, AS PER API 7-1, DRILL COLLAR TO DRILL PIPE, MAJOR OD 4-3/4" X 2-1/8" ID, 36" LONG, BOTTOM CONNECTION NC38 (3-1/2" IF) PIN X REDUCED OD 4-1/8" X 2-1/8" ID, TOP CONNECTION NC31 (2-7/8" IF) BOX, STANDARD BOX & 1 INCH

STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 20 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM SHOULDER. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(4-3/4" DRILL COLLAR X 2-7/8" DRILL PIPE* (*2-7/8" DRILL PIPE WITH TOOL JOINT OD 4-1/8" & ID 2-1/8").** QUANTITY REQUIRED = 05 NOS.

- ✓ 7. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL COLLAR TO DRILL PIPE, MAJOR OD 3-3/8" X 1-1/4" ID, 36" LONG, BOTTOM CONNECTION 2-3/8" API REG PIN X REDUCED OD 3-1/8" X 1-1/2" ID, TOP CONNECTION HT PAC BOX (04 NOS) & NC26 (2-3/8" IF) BOX (04 NOS), STANDARD BOX & PIN, REDUCED OD TRANSITION RADIUS 3 INCH AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(3-1/8" DRILL COLLAR X 2-7/8" DRILL PIPE* (*SLIM HOLE 2-7/8" DRILL PIPE WITH TOOL JOINT OD 3-1/8" & ID 1-1/2").** QUANTITY REQUIRED = 04 NOS each (Total 08 Nos).
8. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL COLLAR TO DRILL PIPE, MAJOR OD 4-1/8" X 1-1/4" ID, 36" LONG, BOTTOM CONNECTION 2-3/8" API REG PIN X REDUCED OD 3-1/8" X 1-1/4" ID, TOP CONNECTION NC31 (2-7/8" IF) BOX, STANDARD BOX & PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 30 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(3-1/8" DRILL COLLAR X 2-7/8" DRILL PIPE* (*2-7/8" DRILL PIPE WITH TOOL JOINT OD 4-1/8" & ID 2-1/8").** QUANTITY REQUIRED = 05 NOS.
9. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL PIPE TO DRILL PIPE, MAJOR OD 6-5/8" X 2-11/16" ID, 36" LONG, BOTTOM CONNECTION NC38 (3-1/2" IF) PIN X REDUCED OD 4-3/4" X 2-11/16" ID, TOP CONNECTION NC50 (4-1/2" IF) BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 45 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(3-1/2" DRILL PIPE X 5" DRILL PIPE).** QUANTITY REQUIRED = 12 NOS.
10. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL PIPE TO DRILL PIPE, MAJOR OD 4-3/4" X 1-1/2" ID, 36" LONG, BOTTOM CONNECTION NC26 (2-3/8" IF) PIN X REDUCED OD 3-3/8" X 1-1/2" ID, TOP CONNECTION NC38 (3-1/2" IF) BOX, BOX BOREBACK & STANDARD PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 30 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. **(2-7/8" DRILL PIPE (SLIM HOLE) X 3-1/2" DRILL PIPE).** QUANTITY REQUIRED = 05 NOS.
11. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL PIPE TO DRILL PIPE, MAJOR OD 4-3/4" X 2-1/8" ID, 36" LONG, BOTTOM CONNECTION NC31 (2-7/8" IF) PIN X REDUCED OD 4-1/8" X 2-1/8" ID, TOP CONNECTION NC38 (3-1/2" IF) BOX, BOX BOREBACK & STANDARD PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 20 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED

CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (2-7/8" DRILL PIPE X 3-1/2" DRILL PIPE). QUANTITY REQUIRED = **04 NOS.**

12. REDUCED/BOTTLENECK CROSS OVER SUB, TOP-FISHNECK, AS PER API 7-1, DRILL PIPE TO DRILL PIPE, MAJOR OD 6-5/8" X 2-11/16" ID, 36" LONG, BOTTOM CONNECTION NC50 (4-1/2" IF) PIN X REDUCED OD 4-3/4" X 2-11/16" ID, TOP CONNECTION NC38 (3-1/2" IF) BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 45 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM SHOULDER. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (5" DRILL PIPE X 3-1/2" DRILL PIPE). QUANTITY REQUIRED = **08 NOS.**
13. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, MUD MOTOR TO DRILL COLLAR, MAJOR OD 6-3/4" X 2-13/16" ID, 36" LONG, BOTTOM CONNECTION NC50 (4-1/2" IF) PIN X REDUCED OD 6-1/4" X 2-13/16" ID, TOP CONNECTION NC46 (4" IF) BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 20 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (6-3/4" OR 6-1/2" OD MUD MOTOR X 6-1/4" DRILL COLLARS). QUANTITY REQUIRED = **08 NOS.**
14. REDUCED/BOTTLENECK CROSS OVER SUB, TOP-FISHNECK, AS PER API 7-1, DRILL COLLAR TO DRILL PIPE, MAJOR OD 8" X 2-11/16" ID, 36" LONG, BOTTOM CONNECTION 6-5/8" API REG PIN X REDUCED OD 4-3/4" X 2-11/16" ID, TOP CONNECTION NC38 (3-1/2" IF) BOX, BOX BOREBACK & 1 INCH STRESS RELIEF GROOVE PIN, REDUCED OD TRANSITION RADIUS 3 INCH WITH 45 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM SHOULDER. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (8" DRILL COLLAR X 3-1/2" DRILL PIPE). QUANTITY REQUIRED = **08 NOS.**
15. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL PIPE TO CASING SCRAPPER, MAJOR OD 6" X 2" ID, 36" LONG, BOTTOM CONNECTION NC38 (3-1/2" IF) PIN X REDUCED OD 4-3/4" X 2" ID, TOP CONNECTION 4-1/2" API REG PIN, 1 INCH STRESS RELIEF GROOVE ON BOTH PINS, REDUCED OD TRANSITION RADIUS 3 INCH WITH 30 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (3-1/2" DRILL PIPE X 9-5/8" CASING SCRAPPER). QUANTITY REQUIRED = **08 NOS.**
16. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL PIPE TO CASING SCRAPPER, MAJOR OD 4-3/4" X 1-3/4" ID, 36" LONG, BOTTOM CONNECTION NC26 (2-3/8" IF) PIN X REDUCED OD 3-3/8" X 1-3/4" ID, TOP CONNECTION 3-1/2" API REG PIN, STANDARD PINS, REDUCED OD TRANSITION RADIUS 3 INCH WITH 30 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (SLIM HOLE 2-7/8" DRILL PIPE WITH TOOL JOINT OD 3-3/8" & ID 1-3/4" X 7" CASING SCRAPPER). QUANTITY REQUIRED = **08 NOS.**
17. REDUCED/BOTTLENECK CROSS OVER SUB, BOTTOM-TONG SPACE, AS PER API 7-1, DRILL PIPE TO CASING SCRAPPER, MAJOR OD 4-3/4" X 1-3/4" ID, 36" LONG, BOTTOM CONNECTION NC31 (2-7/8" IF)

PIN X REDUCED OD 4-1/8" X 1-3/4" ID, TOP CONNECTION 3-1/2" API REG PIN, STANDARD PINS, REDUCED OD TRANSITION RADIUS 3 INCH WITH 20 DEG ANGLE AND REDUCED OD LENGTH SHOULD BE 18 INCH FROM PIN NOSE. COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (2-7/8" DRILL PIPE WITH TOOL JOINT OD 4-1/8" & ID 2-1/8" X 7" CASING SCRAPER). QUANTITY REQUIRED = 08 NOS.

18. STRAIGHT PUMP IN SUB AS PER API 7-1, 24" LONG SHOULDER TO SHOULDER, 4-3/4" OD, 1-13/16" ID, BOTTOM CONNECTION NC38 (3-1/2" IF) PIN (1 INCH STRESS RELIEF GROOVE ON PIN), TOP CONNECTION 2" FIG 1502 HAMMER UNION FEMALE THREAD PIN CONNECTION, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. QUANTITY REQUIRED = 08 NOS.

19. STRAIGHT PUMP IN SUB AS PER API 7-1, 24" LONG SHOULDER TO SHOULDER, 6-5/8" OD, 1-13/16" ID, BOTTOM CONNECTION NC50 (4-1/2" IF) PIN (1 INCH STRESS RELIEF GROOVE ON PIN), TOP CONNECTION 2" FIG 1502 HAMMER UNION FEMALE THREAD PIN CONNECTION, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. QUANTITY REQUIRED = 08 NOS.

20. STRAIGHT X-OVER SUB AS PER API 7-1, 9-1/2" OD X 3" ID, 36" LONG, BOTTOM CONNECTION 7-5/8" API REG PIN X TOP CONNECTION 7-5/8" API REG PIN, 1 INCH STRESS RELIEF GROOVE ON BOTH PINS, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (NEAR BIT STABILIZER X 9-1/2" DRILL COLLAR). QUANTITY REQUIRED = 08 NOS.


21. STRAIGHT X-OVER SUB AS PER API 7-1, 8" OD X 2-13/16" ID, 36" LONG, BOTTOM CONNECTION 6-5/8" API REG PIN X TOP CONNECTION 6-5/8" API REG PIN, 1 INCH STRESS RELIEF GROOVE ON BOTH PINS, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (NEAR BIT STABILIZER X 8" DRILL COLLAR). QUANTITY REQUIRED = 08 NOS.

22. STRAIGHT X-OVER SUB AS PER API 7-1, 6-5/8" OD X 3" ID, 36" LONG, BOTTOM CONNECTION NC50 (4-1/2" IF) PIN X TOP CONNECTION NC50 (4-1/2" IF) PIN, 1 INCH STRESS RELIEF GROOVE ON BOTH PINS, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. (5" HWDP X BOP TEST PLUG). QUANTITY REQUIRED = 08 NOS.

BIT SUBS:

1. BIT SUB, STRAIGHT AS PER API 7-1, 9-1/2" OD X 3" ID, 36" LONG, 7-5/8" API REG BOX DOWN X 7-5/8" API REG BOX UP CONNECTION, BOTTOM BOX BORED FOR FLOAT VALVES (5F-6R) & TOP BORED BACK BOX, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. QUANTITY REQUIRED = **08 NOS.**
2. BIT SUB, STRAIGHT AS PER API 7-1, 8" OD X 2-13/16" ID, 36" LONG, 6-5/8" API REG BOX DOWN X 6-5/8" API REG BOX UP CONNECTION, BOTTOM BOX BORED FOR FLOAT VALVES (5F-6R) & TOP BORED BACK BOX, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. QUANTITY REQUIRED = **10 NOS.**
3. BIT SUB, STRAIGHT AS PER API 7-1, 6-1/4" OD X 2-1/4" ID, 36" LONG, 4-1/2" API REG BOX DOWN X 4" IF BOX UP CONNECTION, BOTTOM BOX BORED FOR FLOAT VALVES (4R) & TOP BORED BACK BOX, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. QUANTITY REQUIRED = **12 NOS.**
4. BIT SUB, STRAIGHT AS PER API 7-1, 4-3/4" OD X 1-1/2" ID, 36" LONG, 3-1/2" API REG BOX DOWN X 3-1/2" IF BOX UP CONNECTION, BOTTOM BOX BORED FOR FLOAT VALVES (2F-3R) & TOP BORED BACK BOX, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. QUANTITY REQUIRED = **12 NOS.**
5. BIT SUB AS PER API 7-1, 3-1/8" OD X 1-1/4" ID, 36" LONG, 2-3/8" API REG BOX DOWN X 2-3/8" API REG BOX UP CONNECTION, BOTTOM BOX BORED FOR FLOAT VALVES (1R) & TOP STANDARD BOX, COLD ROLLED THREAD ROOTS AND PHOSPHATIZED CONNECTIONS, WITH HEAVY DUTY PLASTIC THREAD PROTECTORS. QUANTITY REQUIRED = **06 NOS.**

GENERAL TERMS & CONDITIONS

1. The quoted manufacturer of X-overs & Bit Subs must have a valid approval of API specs 7-1 for the last and consecutive Twenty-five (25) years. In this regard latest API certificate to be submitted with the technical bid.
 2. The quoted X-overs & Bit Subs must be brand new & un-used. Confirmation to this is required in technical bid.
 3. The successful bidder will be required to furnish mill inspection certificates for X-overs & Bit Subs with shipping documents. Confirmation to this effect must be provided in the technical bid.
 4. Authority letter in original from the manufacturer covering Warranty/Guarantee for offered X-overs Bit Subs for a period of 18 Months from date of shipment with tender enquiry number must be furnished with the technical offer.
 5. Authority letters in original from the manufacturer to bidder and from bidder to local agent for offered X-overs & Bit Subs with tender enquiry number must be furnished with the technical offer. The authority letter must be on company letter head, showing the name and contact details (E-mail & fax number) of the signing authority.
 6. Original Brochure (both hard and soft copy) of the manufacturer containing technical literature/specs sheets & Drawings specifying physical/performance properties of quoted X-overs & Bit Subs must be submitted with the technical offer.
 7. Bidder / Manufacturer should provide last and consecutive 5 (five) years supply record (each year wise) of offered and similar X-overs & Bit Subs (both) of customers (drilling contractors) other than manufacturer's own country with the technical offer.
 8. Bidder / Manufacturer must submit with technical bid, unpriced copies of at least 10 different purchase orders of different clients for quoted X-overs & Bit Subs (both) supplied to renowned drilling contractors companies in other than manufacturer's own country.
 9. Certificates of satisfactory performance of quoted X-overs & Bit Subs only issued by at least 5 different renowned drilling contractor companies other than manufacturer's own country in favor of manufacturer to be submitted with the technical offer. However, above certificates issued by joint ventures and supply / trading house(s) will not be accepted.
 10. Evaluation criteria will be Full consignment wise.
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11. Third party inspection by internationally reputed inspection company is required as per oil industry practice. TPI will be arranged by OGDCL. Bidder will assist and make necessary arrangement for TPI. Bidder to confirm that the Third Party Inspection (TPI) report verified by OGDCL will be provided with the shipping documents for LC encashment.

Scope of work for TPI will be as follows but will not be limited to these;

- a) Full Process inspection from the day 1st of manufacturing as per industry standard & API 7-1 Specifications.
 - b) Verification of All Raw material certificates including Forgings etc for confirmation of country of origin of Raw Materials. OEM will be responsible to provide proof of purchase of forging with copy of purchase order, shipping documents, Packing List from Forge Master with Heat number & serial number of equipment.
 - c) Verification of full body ultrasonic inspection where applicable.
 - d) Visual inspection for any defects
 - e) Verification of mill test certificates.
 - f) Verification that all equipment is brand new and unused.
 - g) Verification that all the materials (quantity & specifications) & documents are in accordance with Purchase order.
 - h) Verification that all Bit Subs & X-overs are manufactured as per relevant API specs.
 - i) Verification of API drift.
12. Delivery required: - Within 5 months after establishment of letter of credit C&F Karachi by sea. Bids offering delivery period more than 5 months will be rejected.