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

PROCUREMENT OF 20", 18-5/8", 14", 13-3/8", 9-7/8", 9-5/8", 7" & 5" CASING ALONG WITH ACCESSORIES

Tender Enquiry No

PROC-FB/CB/DRLG/D-4801/2020

	A - V						
Due Da	te						
Evalua	tion Criteria GROUP WISE	~ ~					
		SCHED	ULE OF R	EQUIREM	IENT		
Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price Unit Price (FOB) C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec, If Any
Group	${f A}$		<u> </u>				
1	CASING.SEAMLESS STEEL.API.20",106.5 LBS/FT.K55,DRIFT 17–1/2" BIT R–3, DETAIL DESCRIPTION ATTACHED.	Meter	5000	<u> </u>			
Group							
2	CASING.SEAMLESS STEEL,18–5/8",139 LBS/FT,P–110,R–3, DETAIL DESCRIPTION ATTACHED.	Meter	2500			80. A.	
Group			MARKET - 20' MARK				
3	CASING,SEAMLESS STEEL,14",114 LBS/FT,P-110,R-3, DETAIL	Meter	6000				
	DESCRIPTION ATTACHED.	Meter	0000				
4	CROSS OVER,SEAMLESS STEEL,14",114 LBS/FT,P-110 PIN 3-4 TPI X 13-3/8", 72 PPF, P-110, BTC BOX ,DETAIL DESCRIPTION ATTACHED.	Number	6				
5	CROSS OVER.SEAMLESS STEEL.14",114 LBS/FT,P-110 PIN 3-4 TPLX 14",114 PPF, P-110, BTC BOX, DETAIL DESCRIPTION ATTACHED.	Number	6			The second secon	1
6	CROSS OVER,SEAMLESS STEEL,14",114 LBS/FT,P-110 PIN BTC X 14", 114 PPF, P-110, 3-4 TPI BOX ,DETAIL DESCRIPTION ATTACHED.	Number	6				
Group							
7	CASING, SEAMLESS STEEL, 13–3/8",P–110, 72 PPF, R–3, DETAIL DESCRIPTION ATTACHED.	Meter	3500			and the second section of the second section of the second section of the second section of the second section	
8	CASING, SEAMLESS STEEL, 13–3/8".N80Q, 68 PPF, R–3, DETAIL DESCRIPTION ATTACHED.	Meter	4000				
9	CROSS OVER, SEAMLESS STEEL, 13–3/8", 72 LBS/FT, P–110 PIN BTC X 13–3/8", 72 PPF, P–110, 3–4 TPI BOX , DETAIL DESCRIPTION ATTACHED. DETAIL DESCRIPTION ATTACHED.	Number	8				
10	CROSS OVER, SEAMLESS STEEL. 13–3/8", 72 LBS/FT, P–110 PIN 3–4 TPI X 13–3/8", 72 PPF, P–110, BTC BOX .DETAIL DESCRIPTION ATTACHED. DETAIL DESCRIPTION ATTACHED.	Number	8				
Group							
11	CASING, SEAMLESS STEEL, 9–7/8", 66.4 LBS/FT.DRIFT 8.5" BIT, R–3. DETAIL DESCRIPTION ATTACHED.	Meter	1500			THE P. LEWIS L. P. LEWIS CO. L. P. LEWIS CO. L. P. L.	
12	CASING.SEAMLESS STEEL.9–5/8".53.5 LBS/FT,R–3. DRIFT 8.500". DETAIL DESCRIPTION ATTACHED.	Meter	8000				
13	CASING.SEAMLESS STEEL.9–5/8",53.5 LBS/FT,P–110.R–3, DRIFTD FOR 8.5" BIT, DETAIL DESCRIPTION ATTACHED.	Meter	36000				
14	CASING,SEAMLESS STEEL,9–5/8",47 I.BS/FT,P–110,R–3, DRIFTD FOR 8.5" BIT, DETAIL DESCRIPTION ATTACHED.	Meter	29000				
15	CROSS OVER .CASING.SEAMLESS STEEL.9–5/8".53.5 LBS/FT.Q125 BOX X PIN 9–7/8".66.4 LBS/FT.Q125.2 METER, DETAIL DESCRIPTION ATTACHED.	Number	5				
16	CIRCULATING HEAD FOR 9–7/8",66.4# CASING, WITH CONNECTION PIN X 1502 HAMMER UNION FEMALE,LENGTH: 2–3 FEET, DETAIL DESCRIPTION ATTACHED.	Number	3				
17	CIRCULATING HEAD FOR 9–5/8",53.5# CASING, WITH CONNECTION PIN X 1502 HAMMER UNION FEMALE, LENGTH: 2–3 FEET, DETAIL DESCRIPTION ATTACHED.	Number	3				31.74.74.45.4
Group			Page	· 1			

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

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ANNEXURE 'A'

Material

PROCUREMENT OF 20", 18–5/8", 14", 13–3/8", 9–7/8", 9–5/8", 7" & 5" CASING ALONG WITH ACCESSORIES

Tender Enquiry No

PROC-FB/CB/DRLG/D-4801/2020

Due Date

Evaluation Criteria

GROUP WISE

Group F

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18	CASING, SEAMLESS STEEL,7",HIGH COLLAPSE,35 PPF,125 KSI, DRIFT	Meter	4500
	5–7/8", R–3, DETAIL DESCRIPTION ATTACHED.		
19	CASING, SEAMLESS STEEL, 7",140KSI, 32 PPF, DRIFT 6" BIT, R-3,	Meter	17000
	DETAIL DESCRIPTION ATTACHED.		
20	CASING,SEAMLESS STEEL,7",32 LBS/FT,P-110,R-3 DETAIL	Meter	12000
	DESCRIPTION ATTACHED.		
Group (G		
21	CASING, SEAMLESS STEEL, 5", HIGH COLLAPSE, 18 PPF, R-3, DETAIL	Meter	4500
	DESCRIPTION ATTACHED.		1500
22	CASING, SEAMLESS STEEL, 5", P-110, 18 PPF, R-3, DETAIL DESCRIPTION	Meter	5000
	ATTACHED.		
23	CROSS OVER, SEAMLESS STEEL, 5", 18 PPF, Q-125, PIN CONN. VAM	Number	8
	HTF NR/TSH WEDGE 513 OR EQUIVALENT X 5", 18 PPF, Q125, VAM FJL		
	BOX, DETAIL DESCRIPTION ATTACHED.		
24	CROSS OVER, SEAMLESS STEEL, 5", 18 PPF, Q-125, PIN CONN. VAM	Number	8
	FJL X 5", 18 PPF, Q125, BOX CONN, VAM HTF NR/TSH WEDGE 513 OR		
1	EQUIVALENT, DETAIL DESCRIPTION ATTACHED.		

Note:

- i. Evaluation Criteria is Group Wise Basis. Bidding Procedure is "Single Stage Two Envelope".
- ii. Bid Bond of USD 43,000.00 FOR GROUP-A, USD 24,000.00 FOR GROUP-B, USD 34,000.00 FOR GROUP-C, USD 20,000.00 FOR GROUP-D, USD 175,000.00 FOR GROUP-E, USD 65,000.00 FOR GROUP-F & USD 13,000.00 FOR GROUP-G Or Equivalent PAK Rupees Must be submitted along with the Technical Bid.
- iii. Delivery Period is 4-5 Months C &F by Sea Karachi from date of establishment of LC.
- iv. Bid Validity is 120 days from Technical Bid Opening.
- v. Master Set of Tender Document is available on OGDCL's Website under Heading "Master Set of Foreign Tender Document (Press-Single Stage Two Envelope)

<u>DETAIL DESCRIPTION OF 20", 18-5/8", 14", 13-3/8", 9-7/8", 9-5/8", 7" & 5"</u> CASING & CROSS OVERS (SOR)

GROUP-A

1. 20" OD seamless steel casing pipe conforming to API specs 5CT, 10TH Edition Grade K-55, Weight 106.5 lbs/ft., 3 TPI thread connection, PSL-1, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 17-1/2" bit). Delivery tolerance -3 % in Qty. Quantity = 5,000 Meters

GROUP-B

1. 18-5/8" OD seamless steel casing pipe conforming to API specs 5CT, 10TH Edition Grade P-110, Weight 139 lbs/ft., 3 TPI thread connection, PSL-1, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 17-1/2" bit). Delivery tolerance -3 % in Qty. Quantity = 2,500 Meters

GROUP-C

- 1. 14" OD seamless steel casing pipe conforming to API specs 5CT, 10TH Edition Grade P-110, Weight 114 lbs/ft., 3 OR 4 TPI thread connection, PSL-2, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 12-1/4" bit). Delivery tolerance -3 % in Qty. Quantity = 6,000 Meters
- 2. Cross over seamless steel casing pipe conforming to API specs 5CT, 14", 114 PPF, P-110 3-4 TPI Pin x 13-3/8", 72 PPF,P-110, BTC Box, PSL-2, overall length 2 Meter with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 12-1/4" bit). Quantity = 06 Nos.
- 3. Cross over seamless steel casing pipe conforming to API specs 5CT, 14", 114 PPF, P-110, 3-4 TPI Pin x 14", P-110, 114 PPF BTC BOX, PSL-2, overall length 2 Meter with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 12-1/4" bit). Quantity =06 Nos.
- 4. Cross over seamless steel casing pipe conforming to API specs 5CT, latest edition, 14", 114 PPF, P-110, BTC Pin x 14", 114 PPF,P-110, 3-4 TPI Box, PSL-2, overall length 2 Meter with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 12-1/4" bit). Quantity =06 Nos.

GROUP-D

1. 13-3/8" OD Seamless Steel Casing conforming to API specs 5CT, 10th edition, P-110, Weight 72 PPF, 3 OR 4 TPI thread connection, PSL-2, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 12-1/4" bit). Delivery tolerance -3 % in Qty. Quantity = 3,500 Meters

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- 2. 13-3/8" OD Seamless Steel Casing conforming to API specs 5CT, 10th edition, N-80Q, Weight 68 PPF, 3 OR 4 TPI thread connection, PSL-2, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 12-1/4" bit). Delivery tolerance -3 % in Qty. Quantity = 4,000 Meters
- 3. Cross over seamless steel casing pipe conforming to API specs 5CT, latest edition, 13-3/8", 72 PPF, P-110 BTC Pin x 13-3/8", 72 PPF, P-110, 3-4 TPI Box, PSL-2, overall length 2 Meter with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 12-1/4" bit). Quantity = 08 Nos
- 4. Cross over seamless steel casing pipe conforming to API specs 5CT, latest edition, 13-3/8", 72 PPF, P-110 3-4 TPI Pin x 13-3/8", 72 PPF, P-110, BTC Box, PSL-2, overall length 2 Meter with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 12-1/4" bit). Quantity = 08 Nos

GROUP-E

- 1. 9-7/8" OD (Max OD tolerance + 1.5 %) Seamless Steel Casing Pipes conforming to API specs 5CT, 10th edition, 125 KSI High Collapse grade (Min Collapse & Burst = 15,000 Psi), Weight 66.40 PPF, Premium thread connection, CAL-IV, PSL-3 R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 8-1/2" bit). Delivery tolerance -3 % in Qty. Quantity = 1,500 Meters
- 9-5/8" OD Seamless Steel Casing conforming to API specs 5CT, 10TH Edition, 125 KSI, High Collapse grade (Min Collapse 11,000 psi & Burst 12,000 psi), Weight 53.5 PPF, Premium thread connection, CAL-IV,PSL-3 R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 8-1/2" bit). Delivery tolerance -3 % in Qty. Quantity = 8,000 Meters.
- 3. 9-5/8" OD seamless steel casing pipe conforming to API specs 5CT, 10th edition, Grade P-110, Weight 53.5 lbs/ft, Premium thread connection, CAL-IV, PSL-3, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 8-1/2 " bit). Delivery tolerance -3 % in Qty. Quantity = 36,000 Meters
- 4. 9-5/8" OD seamless steel casing pipe conforming to API specs 5CT,10 edition, Grade P-110, Weight 47 lbs/ft, Premium thread connection,CAL-IV,PSL-3,R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 8-1/2 "bit). Delivery tolerance -3 % in Qty. Quantity = 29,000 Meters
- 5. 9-7/8" OD (OD Tol = +1.5 % Max) Seamless Steel Casing cross over conforming to API specs 5CT, 125 KSI High collapse grade, Weight 66.40 ppf, PSL-3, overall length 2 Meter having pin connection offered at Sr # 1 and 9-5/8", P-110, 53.5 ppf box connection offered at Sr # 1, complete with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 8-1/2" bit). Quantity = 05 Nos.
- Circulating Head, 9-7/8", 66.4 PPF, Pin Connection offered at Sr # 01 X 2" FIG 1502
 HAMMER UNION FEMALE THREAD PIN CONNECTION, Material 110 KSI MYS, Length 2 -3
 Feet. Quantity = 03 Nos.

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7. Circulating Head, 9-5/8", 53.5 PPF, Pin Connection offered at Sr # 01 X 2" FIG 1502 HAMMER UNION FEMALE THREAD PIN CONNECTION, Material 110 KSI MYS, Length 2 -3 Feet. Quantity = 03 Nos.

GROUP-F

- 1. 7" OD, seamless steel casing pipe conforming to API specs 5CT, 10th edition, Grade High Collapse, 125 KSI (Minimum Collapse 16,000 Psi), Weight 35 lbs/ft, Premium thread connection, CAL-IV, PSL-3, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drift for 5-7/8"bit). Delivery tolerance -3 % in Qty. Quantity = 4,500 Meters.
- 2. 7" OD, seamless steel casing pipe conforming to API specs 5CT, 10th edition, Grade 140KSI, HIGH COLLAPSE, Weight 32 lbs/ft, Minimum Burst = 16,300 Psi & Collapse = 14,700 PSI, Maximum yield strength = 150 KSI, Premium thread connection, CAL-IV, PSL-3, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drift for 6" bit). Delivery tolerance -3 % in Qty. Quantity = 17,000 Meters.
- 3. 7" OD seamless steel casing pipe conforming to API specs 5CT, 10th edition, Grade P-110, Weight 32 lbs/ft, Premium thread connection, CAL-IV, PSL-3, R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drifted for 6" bit). Delivery tolerance -3 % in Qty. Quantity = 12,000 Meters.

GROUP-G

- 1. 5" OD seamless steel casing pipe conforming to API specs 5CT, 10TH edition, Weight 18 lbs/ft, Grade High Collapse having minimum Collapse pressure 15,000 Psi, Flush premium thread connection having minimum 60 % rating for tension and compression as of pipe body ,PSL-3,R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit. (Drift for 4-1/8" Bit). Delivery tolerance -3 % in Qty. Quantity = 4,500 Meters.
- 2. 5" OD seamless steel casing pipe conforming to API specs 5CT, 10TH edition, Weight 18 lbs/ft, Grade P-110, Flush premium thread connection having minimum 60 % rating for tension and compression as of pipe body ,PSL-3,R-3 with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit. (Drift for 4-1/8" Bit). Delivery tolerance -3 % in Qty. Quantity = 5,000 Meters.
- 3. Cross over seamless steel casing pipe conforming to API specs 5CT , latest edition, 5", 18 PPF, Q-125, Pin connection offered at Sr # 1 x 5", 18 PPF, Q-125, VAM FJL Box, PSL-3, overall length 2 Meter with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drift for 4-1/8" Bit). Quantity = 08 Nos
- 4. Cross over seamless steel casing pipe conforming to API specs 5CT , latest edition, 5", 18 PPF, Q-125, VAM FJL PIN x 5", 18 PPF, Q-125, BOX connection offered at Sr # 1 , PSL-3, overall length 2 Meter with steel/rubber thread protectors on both ends. Proper colour coding on coupling for grade identification and with outside coating for rust protection during transit (Drift for 4-1/8" Bit). Quantity = 08 Nos

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GENERAL TERMS & CONDITIONS

- 1. The Manufacturers/Bidders will be required to quote CFR Karachi by Sea Prices for all the items as per SOR.
- 2. Each Bidder/Manufacturer have to submit API 5CT PSL-3 (casing group 1 to 4) latest valid & back certificates consecutively (no breaks will be acceptable) from January 2010. (In this regard published API composite List of January 2010 will be considered as Reference).
- 3. The Manufacturer of the quoted mother casing pipes & its threader should be same (Single Manufacturer).
- 4. The Casing Pipe manufacturing and threading plant (One/Single Manufacturer) must be certified by API under Specs. 5CT-PSL-3 since January 2010. Processor of Casing Pipes will not be considered as casing pipe Manufacturer.
- 5. Data/Specs sheets of quoted Casing Pipes as per Manufacturer standard to be provided by the Bidder/Manufacturer.
- 6. The Tensile, Burst, Collapse & compression rating of the Quoted Premium Thread Connection must be equal to or exceed those of the Pipe body ratings. Documents supporting the requirement should be provided along with the bid.
- 7. The Burst & Collapse rating of the Quoted Flush Premium Thread Connections for Group G (5" CASING PIPES) must be 100 % equal or exceed in performance as pipe body and the tensile & compression ratings must be minimum 60 % in performance as pipe body. Documents supporting the requirement should be provided along with the bid.
- 8. All offered Thread & Coupled Premium connections must be CAL-IV Certified for offered Casing pipes. Manufacturer must provide copy of a report showing the compatibility of the connection family testing/qualification records with extrapolation/interpolations rules as per Section "G" of ISO 13679:2002/API 5C5 (Recommended Practice for testing casing & tubing connection) with the technical offer. Otherwise, a test report of the quoted premium threads casing for the exact OD, PPF & yield strength showing complete ISO-13679:2002/API 5C5's Application Level CAL-IV test (8 specimens with make & break + baking + Series A, B, C + Failure Tests). Any deviation in this regard is not acceptable. Documentary evidence to this effect must be submitted with the Technical offer.
- 9. Only for Cross overs, the Manufacturer/Bidder can quote different threader, In this case the threader (for Cross overs only) must have a minimum of 10 years' experience in cutting the Premium threads having valid & last consecutive 10 years API 5CT certificates as threader with Valid license to cut the quoted threads.
- 10. For the groups having the requirement of Premium thread connection, the same premium connection to be offered against each item of that group is mandatory.
- 11. Bidders are advised to submit their Bid complete in all respects.
- 12. Delivery allowance of +0 & -3% for Casing Pipes can be allowed, however the payment will be made as per the actual Meterage of Casing supplied. More than -3 % delivery allowance is not acceptable.
- 13. Casing Pipes should be provided with mills protective coating on the outside.
- 14. The casing pipes must be brand new & un-used. Confirmation to this effect is required in the technical offer.
- 15. The successful bidder will be required to furnish mill inspection certificates for casing pipes with shipping documents. Confirmation to this effect must be provided in the technical offer.
- 16. Letter in original from the manufacturer(s) covering Warranty/Guarantee for a period of 1-1/2 year from date of shipment for the quoted casing pipes to be submitted with the technical Bid.



- 17. Authority letters in original from the manufacturer(s) to bidder and from bidder to local agent for offered casing pipes with tender enquiry number to 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.
- 18. Original Brochure or brochure on CD/USB of the manufacturer(s) containing technical literature/specs sheets specifying physical/performance properties of quoted casing pipes to be submitted with the technical offer.
- submitted with the technical offer.

 19. The Casing pipes manufacturer must have manufactured & supplied seamless steel Casing pipes to the multinational E&P companies like Exxon, PDO, KOC, SHELL, BP, TOTAL, ENI, OMV, MOL, PPL and other Internationally renowned E & P companies (not belonging to the manufacturer's own country) in excess of 5,000 Meters each year during the last Ten (10) years for items at Group A, Group-B & Group-C and in excess of 20,000 Meters each year during the last Ten (10) years for items at Group D, E, F & G. The supply record must confirm this fact. The supply record should include only the sales record for offered casing pipes during each year starting from year 2010. In this regard Manufacturer/Bidder to submit 10 unpriced copies of different Purchase orders against each quoted item sold to 10 different E & P companies mentioned above (not belonging to the manufacturer's own country). (Documentary evidence to prove the equivalent stature of E & P company other than specified above will be required along with technical bid, to ascertain the equivalency of E & P company other than specified above will be OGDCL sole discretion). Casing Pipes sold to supply/Trading houses & service companies etc. will not be
- considered.

 20. If the bidder/Manufacturer has not already supplied offered Casing Pipes against each quoted item to OGDCL then 05 Nos certificates of satisfactory performance for each quoted casing pipes issued by authorized officials of at least 5 different multinational E&P companies like Exxon, PDO, KOC, SHELL, BP, TOTAL, ENI, OMV, MOL, PPL and other Internationally renowned E & P companies (not belonging to the manufacturer's own country) must be provided with the technical bid. The certificates must be on the company letter head and should indicate the Name & Designation of the signing authority along with his complete contact details including his official email address in order to verify the same. (Documentary evidence to prove the equivalent stature of E & P Company other than specified above will be required along with technical bid, to ascertain the
- 21. Third party inspection (TPI) by internationally reputed inspection company is required as per oil industry practice. OGDCL will arrange inspection during manufacturing and before shipment of the consignment 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.

equivalency of E & P Company other than specified above will be OGDCL sole discretion). Certificates issued by supply/Trading houses & service companies etc. will not be considered.

Scope of work for TPI will be as follows but will not be limited to this.

- (i) Full body ultrasonic inspection.
- (ii) Visual thread inspection.
- (iii) Full body API drift.
- (iv) Verification of mill test certificate.
- (v) Pre-shipment inspection to confirm that shipment is as per Issued PO w.r.t quantity, Packing, Specifications, brand new & unused, weight, length, thread protectors, coating etc
- 22. Evaluation criteria is each Group Wise.
- 23. Delivery time required is 04-05 Months C&F by sea Karachi after LC opening.

