



OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD
SCHEDULE OF REQUIREMENT

Material : **Procurement of Lathe Machine for KPD-TAY Plant**

Due Date:

Tender Enquiry No: **PROC/LE/17587/19**

Bid Bond Value : RS. 75,000/-

EVALUATION WILL BE CARRIED OUT ON FULL

Attachment(if any) : YES

Sr No	Description	Quantity	Make/Brand offered	Unit	Unit Price (PKR) Inclusive Of All Taxes Except GST	Unit Price (PKR) Inclusive of GST	Total Price (PKR) Inclusive of GST	Delivery Period Offered	deviation from Tender Spec. If Any
1	Lathe Machine as per attached TOR.	1		Number					

Special Note: The prospective bidders also download the master set of Tender Document

- The prospective bidders may keep in touch with OGDCL web site for downloading the clarifications/amendments (if any) issued by OGDCL.
- I. DELIVERY PERIOD IS 90-120 DAYS FROM THE DATE OF LPO ISSUANCE. II. DELIVERY LOCATION IS KPD TAY PLANT. PAYMENT TERM IS PAYMENT AFTER DELIVERY/INSTALLATION/COMMISSIONING

Discount (if any) shall only be entertained on Schedule of Requirement of Bidding Document (Financial Proposal). If the discount is mentioned elsewhere in the bid, the same shall not be entertained.



OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD.
SCHEDULE OF REQUIREMENT

Mandatory Checklist

Please confirm the compliance of the following mandatory information along with the bid(s) (failing which bids(s) will not be accepted)

Documents	To be Attached with the Technical/Financial Bids	Compliance	
		Yes	No
Original Bid Bond	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of NTN Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of GST Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Confirmation that the Firm is appearing on FBR's Active Taxpayer List	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-A (Un-priced)	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-B	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-D	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-L on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-M on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-N on Non-Judicial Stamp Paper duly attested by Notary Public	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-A (Priced)	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-C	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-E	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>



OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD
SCHEDULE OF REQUIREMENT

For the Vendors/Contractors who opt to submit Bank Draft/Call Deposit/Pay order against Bid Bond/Performance Bond, our Accounts Department has finalized an arrangement for online payment to such Vendors/Contractors, which will be processed through (IBFT & LFT) for which following information is required:

i.	IBAN No. (International Bank Account Number 24 Digits)	
ii.	Vendor Name as per Title of their Bank Account	
iii.	Contact No.of Company's CEO/ Owner (Mobile & Landline)	
iv.	Bank Name.	
v.	Bank Branch Name and Code	

Name, Sign and Stamp of the authorized official of the Bidder(s) _____



OIL & GAS DEVELOPMENT COMPANY LTD

TOR FOR
LATHE MACHINE

TABLE OF CONTENTS

<u>S. NO.</u>	<u>DESCRIPTION</u>	<u>PAGE NO.</u>
1.0	INTRODUCTION	3
2.0	DEFINITIONS, ERRORS & CONFLICTS	3
3.0	SCOPE OF SUPPLY	4
4.0	REFERENCE STANDARD	4
5.0	GENERAL REQUIREMENTS	4
6.0	MACHINE SPECIFICATIONS	5
7.0	INSPECTION AND TESTING	6
8.0	DELIVERY SCHEDULE	6
9.0	PREPARATION FOR SHIPMENT	6

1.0 **INTRODUCTION:**

Oil and Gas Development Company Ltd (OGDCL) is Pakistan's National Oil & Gas Exploration and Production Company. OGDCL is currently operating Country's largest Oil & Gas sector including saleable Oil & Gas Processing Plants.

Kunnar-Pasakhi-Deep and Tando-Allah-Yar (KPD-TAY) is a Gas & LPG Processing Plant, located in Hyderabad District about 25 km away from Hyderabad and approx. 195 km from Karachi, Sindh Province of Pakistan. The Plant is comprised of two gas processing trains installed in the close proximity of oil wells. The processing plant is connected with the wells through gas gathering network which terminates into slug catcher at the process plant premises.

OGDCL intends to purchase lathe machine from an experienced and well reputed manufacturer / Contractor / Supplier to fulfil the machining requirement during various maintenance activities at its own workshop.

2.0 **DEFINITIONS, ERRORS & CONFLICTS**

Owner /Company : Oil & Gas Development Company Limited (OGDCL)
Supplier /Contractor : Parties, which vendors and / or supplies material, equipment and services to perform the duties as specified by Company in the scope of supply.

2.1 **Errors or Omissions**

2.1.1 Review and comment by the Company at any Contractor / Supplier's drawings, procedures or documents shall only indicate acceptance of general requirements and shall not relieve the Contractor / Supplier of its obligations to comply with the requirements of this specification and other related parts of the contract documents.

2.1.2 Any errors or omissions noted by the Contractor / Supplier in this Specification shall be immediately brought to the attention of the Company.

2.2 **Conflicting Requirements**

In the event of conflict, inconsistency or ambiguity between this Specifications, National Codes & Standards referenced in this Specification or any other documents, the Contractor/ Supplier shall refer to the Company whose decision shall prevail.

3.0 **SCOPE OF SUPPLY**

The scope covers supply, inspection, testing, preparation for shipment, delivery & supervision of Installation, commissioning & testing activities of Lathe Machine as per general requirement & machine specification elaborated below in detail.

4.0 **REFERENCE STANDARD**

Accuracies of machine and its respective machine tools supplied by Contractor/ Supplier shall be in accordance with the following Standard:

- Schlesinger Rules (for Testing Accuracies of Machine Tools)
- Compliance by the vendor with the provisions of this specification does not relieve him of his responsibility to furnish equipment & auxiliaries mechanically suited to meet the specified service condition.

5.0 **GENERAL REQUIREMENTS**

The equipment supplied shall have the following requirements as a minimum:

- The supplied machine should be complete in all respects in ready-to-operate condition.
- Machine shall have a rigid & robust design with hardened & precision ground bed ways for accuracy.
- Machine shall have hardened & ground gears of high quality steel.
- Precision tapered roller bearings.
- Easy approachable controls.
- Pull-out chip tray for easy cleaning.
- Machine shall be tested according to International Standards, such as Schlesinger Rules.
- 3-Jaw self-centering chuck having precision, reversible & soft adaptable jaws.
- 4-Jaw independent chuck having precision, reversible & soft adaptable jaws.
- Face Plate with slots.
- Square Tool Post.
- Steady Rest.
- Follow Rest.
- Longitudinal Stop.
- Dead Centers.
- Taper Sleeve.
- Electric Cooling Pump with sump, piping and fitting complete with wiring.
- Service Tools & Grease Gun.
- Sliding Chip Tray.
- Electric reverse forward machine operating system fitted with third shaft complete with wiring.

- Face plate size: 300-400 mm dia complete fitted with chuck coupling, steady rest, follow rest, thread indicator, square type tool post with lock fitting. Dead tip center MT. # 4.
- Two (02) Sets of Machine Manuals (Operation & Maintenance), spare parts catalogue, machine test charts, and calibration certificates in English Language shall be required with the supply.
- Complete set of anchoring materials including foundation bolts, nuts, washers, fixators, leveling shoes, etc., for alignment and fixing of the machine on the floor shall be supplied by the vendor.
- Noise level of the machine during operation should be less than 85 dB (A) at one meter away from the machine.
- One new Tool Post Grinding Attachment for external & internal grinding purpose, complete fitted with Electric Motor, Starter Switch & Accessories etc.
- Vendor must mention the Length of Gap, Tool Side Travel, Tool Post Swivel (each side), Spindle Taper, Spindle Nose, Tailstock Barrel Diameter, Tailstock Disaxing (each side) of Center Lathe Machine in the bid.

6.0 **MACHINE SPECIFICATIONS**

S. No.	SPECIFICATIONS	UNITS
1.	Head Stock Main Spindle Drive	Inverter Drive
2.	Distance between Centers	90 - 95 inches
3.	Height of Centers	12 - 12.5 inches
4.	Length of Bed	120 - 122 inches
5.	Width of Bed	12.5 - 13 inches
6.	Swing over Bed	22 - 23 inches
7.	Swing over Cross Slide	14 - 15 inches
8.	Swing over gap	30 – 31 inches
9.	Spindle Bore	4 – 4.5 inches
10.	Length of gap in front of Face Plate	10 - 11 inches
11.	No. of Spindle Speeds	8 minimum
12.	Spindle Speed Range	40 to 800 r.p.m
13.	Total travel of Top Slide	6 - 6.5 inches
14.	Total travel of Cross Slide	12 - 12.5 inches
15.	Total travel of Tail Stock Barrel	8 - 8.5 inches
16.	Taper in Tail Stock Barrel	Morse Taper # 4
17.	No. of Metric Threads	24 - 26
18.	Range of Metric Threads	0.5 to 15 mm
19.	No. of Whitworth Threads	36 - 38
20.	Range of Whitworth Threads	4 to 60 t.p.i.
21.	No. of Module Threads	11 - 12
22.	Range of Module Threads	0.25 to 3
23.	D. P Threads	36 minimum
24.	Range of D. P. Threads	8 to 120
25.	Pitch of Lead Screw	4 t.p.i.
26.	No. of Sliding Feeds	36 minimum

27.	Range of Sliding Feeds	0.0025 inches to 0.04 inches
28.	No. of Surfacing Feeds	36 minimum
29.	Range of Surfacing Feeds	0.0005 inches to 0.0075 inches
30.	Motor (KW/HP)	Vendor to Specify
31.	Equipment Weight	Vendor to Specify
32.	Shipping Volume	Vendor to Specify
33.	Shipping Dimensions	Vendor to Specify

7.0 **INSPECTION AND TESTING**

- a) Inspection and testing shall be carried out at the Supplier's works and shall be witnessed by the Company representatives and/or certifying authority.
- b) The responsibility for inspection rests with the Supplier. However, The Supplier shall timely intimate to the Company for inspection activity schedule.
- c) The approval of any work by the Company, or their authorized representative, shall in no way relieve the Supplier of any responsibility for carrying out the provisions of this specification.
- d) Final Inspection will be carried out at Company's premises after delivery of lathe machine at KPD-TAY Plant.

8.0 **DELIVERY SCHEDULE**

Lathe Machine must be delivered at KPD-TAY Plant within 90-120 days on FOR basis. Bidder shall depute its representative for supervision of Installation, commissioning & testing activities of the Lathe Machine at workshop of KPD-TAY Plant. OGDCL shall arrange unloading of the lathe machine at KPD-TAY Plant, however loading & transportation from Suppliers premises to KPD-TAY Plant will be in bidder scope.

9.0 **PREPARATION FOR SHIPMENT**

Vendor shall ensure that all items of equipment shall be delivered in proper rail / road worthy packing, (as applicable) and where special protection is required, Vendor shall arrange accordingly. Packing shall be arranged by Vendor and cost to be included in the price of purchase order. The Vendor shall be liable for any damage to the equipment caused by:

- a) Bad or ineffective packing or deterioration / corrosion as a result of incorrect or inadequate protection during transportation and storage.
- b) Corrosion as a result of the Vendor's failure to indicate storage recommendations.
- c) Loading or unloading resulting from Vendor's failure to provide any or adequate instructions.

During packing Vendor shall ensure that:

- 1) A packing list is enclosed with all closed packages.
- 2) The packages are marked according to specifications.
- 3) Certificates of origin, where required are available.