



OIL & GAS DEVELOPMENT COMPANY LIMITED
KPD-TAY PLANT.

Phone#022-2789200 & Fax#022-2761410



Annexure-A

Schedule of Requirement

Tender Enquiry No. TE/MECH/WT/KPD-0004/UT-GAUGE/2023

“Web Tender for Supply of Ultrasonic Thickness Gauge Equipment for KPD-TAY Plant”

Sr #	Description	QTY	UOM
1	Supply of Ultrasonic Thickness Gauge Equipment and Probes for KPD-TAY Plant	01	No

TERMS AND CONDITIONS (TECHNICAL):-

a. The specifications of Ultrasonic Thickness Gauge Equipment should be as below:

Technical Specifications	
Usage	One Hand Operation, with both Portrait and Landscape Modes
Display	Minimum Specifications: 5 inch, 800 x 480 pixels, 108 x 65 mm (W x H), > 200 cd/m ²
Preferable Size (W x H x D)	175 x 111 x 50 mm (W x H x D) (Within ±10% of these limits)
Weight	Not more than 1000g with battery
Protection class	IP 67 (minimum)
Operating temperature	0 – 55 °C
Battery	Li-Ion, rechargeable, > 8 hours operation time (minimum)
Power adapter / charger	100 – 240 V AC, 50/60 Hz
Probe connector	Dual Lemo-00 (T/R) (or as per OEM specs)
PC interface	Micro USB (or equivalent)
Memory card	SD-Card 16 GB (or more)
Data recorder	100.000 readings per file (minimum). Multiple files can be stored on SD card, Attachment of A-Scan, B-Scan and micro grid
Pulser	120 – 250 V, Spike wave, Automatically matched to probe – Recommended (or equivalent as per OEM specs)
Pulse Repetition Frequency	4, 8 or 16 Hz selectable – Recommended (or equivalent as per OEM specs)
Receiver	110 dB dynamic, automatic gain control, Manual –high, -low, -auto – Recommended (or equivalent as per OEM specs)
Thickness Measurement Range	0.010 to 25in (0.40 to 650mm) measuring range in steel (or better)
Units	mm, inch, µs

Digital Display resolution	0,01 mm or 0,1 mm (0.001" or 0.01") selectable (or better)
Measurement techniques	Zero crossing, IP to 1st echo, multi echo, TopCoat, Auto-V (or equivalent modes for measuring coating thickness and auto calibration) Ability to measure thickness of Coated Pipes accurately
Calibration	One-point, Two-point, Auto or Manual On-block and Off-block Zero Automatic V-Path correction – Recommended (or equivalent as per OEM specs)
Display mode	Thickness and A-Scan, Temperature corrected thickness upto 500C, B-Scan, Min/Max capture, Differential
Probes and Cables	Normal UT Gauging and Scanning Probe (coating thickness measurement should also be possible) Small Diameter UT Gauging and Scanning Probe - All above probes should have related cables (complete with connectors) included

- b. All the specifications mentioned above must be completely adhered to, and no deviations shall be allowed.
- c. Bidder must provide detail datasheet/technical specifications of the quoted Ultrasonic Thickness Gauge along with technical bid.
- d. The vendor shall be responsible for safe transportation of the equipment to the KPD-TAY Plant.
- e. In case of any non-conformance observed during inspection, vendor shall immediately rectify / replace the same. Any delay in rectification will be liable to LDs as per OGDCL standard tender document.
- f. Delivery of material is to be completed in 90-120 days from the date of receipt of firm purchase order.
- g. The master set of tender documents (Local) available on OGDCL website (www.ogdcl.com) is the integral part of this tender.
- h. Preferable country of origin should be USA, UK or Europe.
- i. OEM experience should not be less than 15 years. Necessary documents or copies of unpriced Purchase Orders for proof of experience must be provided along with bid.
- j. Operation /Instruction manual must be provided with equipment.
- k. Ultrasonic Thickness Gauge must be in Original OEM packing, new & free from any defect.
- l. Ultrasonic Thickness Gauge must have standard OEM warranty/guarantee as per OGDCL tender requirement.

GENERAL TERMS AND CONDITIONS:

- A. BIDS MUST BE SUBMITTED UNDER **SINGLE STAGE TWO ENVELOPE BIDDING SYSTEM** i.e. TECHNICAL & FINANCIAL BID SEPARATELY ON DUE DATE.
- B. FINANCIAL BIDS OF ONLY TECHNICALLY RESPONSIVE BIDDERS WILL BE OPENED PUBLICLY.
- C. AFTER TENDER OPENING "TECHNICAL BIDS" WILL BE REVIEWED. THE BIDS WILL BE BROUGHT TECHNICALLY AT PAR BY SEEKING CLARIFICATIONS. THE BIDDERS WILL **NOT** BE ASKED FOR ANY PRICE CHANGE IN THEIR FINANCIAL BIDS DUE TO CERTAIN CLARIFICATIONS AND SUBSEQUENT CHANGE IN THEIR TECHNICAL PROPOSALS. THE BIDDERS WILL **NOT** BE ALLOWED TO SUBMIT SUPPLEMENTARY PRICE PROPOSALS IN A SEPARATE SEALED ENVELOPE TO MAKE IT A PART OF THE ALREADY SUBMITTED UNOPENED FINANCIAL BIDS AND TO ADJUST THEIR QUOTED PRICE SUBSEQUENTLY AFFECTED DUE TO CHANGE IN TECHNICAL PROPOSALS.
- D. SEALED FINANCIAL BIDS OF TECHNICALLY NON-RESPONSIVE BIDDERS WILL BE RETURNED UN-OPENED.
- E. OGDCL RESERVES THE RIGHT TO REJECT ANY OR ALL THE BIDS WITHOUT ASSIGNING ANY REASON.
- F. PRICES MUST BE QUOTED IN PKR INCLUSIVE OF ALL TAXES AND DUTIES, INDICATING UNIT PRICE AND TOTAL BID PRICES. GST MUST BE QUOTED SEPARATELY ALONG WITH COPY OF GST CERTIFICATE.
- G. QUOTED PRICES SHALL BE VALID FOR **90 DAYS** FROM THE OPENING DATE OF THE TECHNICAL BID.