



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

Material : **PROCUREMENT OF 1250KVA TRANSFORMER FOR KPDTAY PLANT**

Tender Enquiry No: **PROC/LE/17935**

EVALUATION WILL BE CARRIED OUT ON FULL

Due Date:

Bid Bond Value : RS. 180,000

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	1250 KVA 6600/400 V Step Down Transformer as per attached details.	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.
- 1. MATERIAL TO BE DELIVERED AT KUNNAR PLANT WITHIN 98 DAYS AFTER ISSUANCE OF LPO. 2. PAYMENT TERM: AFTER DELIVERY. 3. BID VALIDITY IS 120 DAYS FROM TECHNICAL BID OPENING.

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.

ATTACHMENT FOR INDENT #KPD-1366 PROCUREMENT OF 1250KVA TRANSFORMER

SPECIFICATIONS : 1250 KVA 6.6KV/400V OIL IMMERSERD TRANSFORMER

- 1) H.V. VOLTS : 6600, L.V. VOLTS : 400 (STEP DOWN)
- 2) AMPERES H.V : 109.35, AMPERES L.V : 1804.2
- 3) PHASES H.V : 3, PHASES L.V : 3+ 1N
- 4) FREQUENCY : 50 Hz,
- 5) Vector Group : Dyn-11
- 6) AMBIENT TEMPERATURE : 50 C
- 7) Type of Cooling : ONAN
- 8) IMPEDENCE VOLTS : 5%
- 9) TAP POSITION : +2.5,+5.0, 0, -2.5, -5.0
- 10) SERIAL No OF ALREADY INSTALLED TRANSFORMER (PEL Make) : 354693, 354694
- 11) IEC: 60076
- 12) TYPE : INDOOR / OUTDOOR
- 13) Power Frequency test voltage HV / LV kV : 20 / 3
- 14) Basic Impulse Level (peak) HV / LV kV : 60 / -
- 15) Neutral brought out : Yes
- 16) No. of bushings HV / LV Nos. : 3 / 4
- 17) Terminal Cover Box for LV Bushings : Required
- 18) Terminal Cover Box for HV Bushings : Required
- 19) Max. Short circuit duration (Thermal) Sec. : 2sec
- 20) Make : Pak Elektron Limited, Siemens or equivalent of the reputable companies.

REQUIRED ACCESSORIES

- 1) Off-circuit tap changer with operating handle.
- 2) Oil Filling hole and plug.
- 3) Oil Conservator tank.
- 4) Silica gel breather.
- 5) Oil level indicator.
- 6) Oil Drain valve.
- 7) Corrugated fins.
- 8) Bi-direction roller wheels.
- 9) Lifting Lugs.
- 10) Transport Eyes
- 11) Earthing Terminals.
- 12) Rating and Diagram Plate (Stainless Steel).
- 13) Thermometer for Oil Temperature with contacts for alarm and tripping
- 14) Automatic Pressure Relief Device.
- 15) Double Float Buchholz Relay with contacts for alarm and tripping
- 16) Winding Temperature Controller with set points provision and 2 NO & 2 NC contacts for alarm and tripping.
- 17) Transformer shall be offered with first filling of mineral oil and transformer oil shall be in accordance with IEC-60296.
- 18) Transformer's manufacturing and testing shall be as per IEC 60076 standard with all related test certificates

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MANDATORY REQUIREMENTS FOR TECHNICAL QUALIFICATION:

- 1) Manufacturer will submit manufacturing drawings strictly as per attached dimensions. Transformer must of exact same dimensions to avoid any problems in installation and Coupling of MV/LV Bushings with Power Cable/Bus Tie Duct.
- 2) Manufacturer/Bidder is encouraged to visit Site for verification/data collection of installed transformer dimensions/foundation details etc.
- 3) Manufacturer will submit in house/Factory Testing Procedure and Protocols.
- 4) Manufacturer will ensure Factory acceptance test with OGDCL prior to dispatch of equipment at Site. OGDCL reserves the right to reject the transformer if it is not manufactured as per attached specifications and dimensions.
- 5) During Factory Acceptance Test if results are found abnormal then OGDCL reserves the right to reject the transformer.
- 6) Manufacturer/Vendor Should have a minimum 15-20 Years of manufacturing experience of transformers.
- 7) Transformer manufacturer should have ISO Certification & other relevant international endorsement from relevant bodies.
- 8) The Transformer supplied should be manufactured as per European Standard & CE marked.
- 9) Transformer Tank structure should be of Corrugated type. Tubular design is not acceptable.
- 10) Transformer paint to be Power coated for long life. Enamel/Spray is not acceptable.
- 11) All Transformer tests to be performed on calibrated/certified equipment. Supplier to share details with bidding documents.
- 12) Transformer manufacturer to ensure/confirm oil is filled under vacuum to eliminate moisture contamination
- 13) Manufacturer to confirm provision of onsite DGA during Factory & Site acceptance test.
- 14) Aluminum foil explosion vent in place of automatic Pressure relief device is not acceptable.

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MANDATORY FACTORY ACCEPTANCE TEST:

FAT shall comprise of all tests as per IEC 60076 standard including below mandatory tests

- 1) Temperature Rise Test
- 2) Capacitance and Dissipation factor measurements
- 3) Sweep Frequency Response Analysis SFRA
- 4) ON Site DGA and Oil Analysis after all Factory Acceptance Tests

MANDATORY SITE ACCEPTANCE TEST:

Supplier will perform following on site tests in the presence of OEM Representative:

- 1) Sweep Frequency Response Analysis SFRA
- 2) IR, TTR, Winding Resistance, No load Test
- 3) Functional verification of all Protective devices.
- 4) ON Site DGA and Oil Analysis after all Site Acceptance Tests



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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 <input type="checkbox"/>	No <input type="checkbox"/>
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"/>



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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) _____