



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

Material :LOW VOLTAGE SWITCHGEAR PANEL

Due Date:

Tender Enquiry No: PROC/LH/PT/P&P-17347

Bid Bond Value : RS. 60,000/-

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	LOW VOLTAGE SWITCHGEAR PANEL AS PER ATTACHED DETAILS.	1		Number					
2	INSTALLATION SUPERVISION AS PER 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.
- DELIVERY TERM : WITHIN 30 DAYS AFTER ISSUANCE OF LPO ON F.O.R BASE KUNNAR PLANT. PAYMENT TERM: 100% AFTER DELIVERY AND INSTALLATION SUPERVISION AND TESTING.

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/E/295/18

LOW VOLTAGE SWITCHGEAR PANEL SPECIFICATIONS:

INCOMIN:

ACB 3200 A SIEMENS/SCHNEIDER EQUIVALENT 400 VOLTS.

OUTGOING:

ACB 1000A X 2 SIEMENS/SCHNEIDER EQUIVALENT FOR CHILLER UNITS.

ACB 1000A X 1 SIEMENS/SCHNEIDER EQUIVALENT SPARE.

MCCBs 250A X 3 (STAR DELTA CIRCUIT) FOR AUXILIARY COOLING CIRCULATION MOTORS OF 45 KW.

NOTE :- PANEL MUST POSSESS PHASE, NEUTRAL, EARTH BUS BAR ARRANGEMENTS, CONTROL CIRCUITS, PROTECTION & METERING ALONG WITH INDICATORS. TOP CABLE ENTRY/EXIT, COMPLETE IN ALL RESPECTS.



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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"/>

SCOPE OF WORK/TOR

1. General Introduction.

OGDCL intends to hire the services of an experienced and well reputed contractor for supply, Factory acceptance test (FAT), on-site installation supervision, on-site testing and site acceptance test (SAT) of Low Voltage Switchgear Panel for Air cooled Screw Type Liquid Chillers at KPD-TAY Gas Processing Plant, OGDCL. The chiller units calculated load is 600KW (300KW x 2 Units). The Low Voltage Switchgear Panel must comprise of specifications mentioned below with scope of work.

2. Scope of Supply

Low Voltage Switchgear Panel for Rental Chillers are required at OGDCL field with specification below;

Sr. #	Field	Description	Qty	Chiller Rating
1	KPD-TAY Plant	Low Voltage Switchgear Panel complete in all aspect	01 No.	600KW (300 KW x 2)
<p>Specifications: Low Voltage Panel design with fixed type, IP31 Rated, Form 4B, Color RAL 7032 or equivalent with following Ratings; Panel Depth: 1000-1200mm Height: 2200mm Width: 2500-3000mm with minimum 3 compartments (separate incoming and outgoing compartments) having width no less than 700mm Rated Voltage: 415Vac, 50Hz Control Voltage: 230Vac, 50Hz via Control Transformer 415/230V 250VA Burden each compartment Copper Bus Bars, Tin plated Main bus bar, Neutral Bus Bar, Earth Bus Bar Incomer: ACB 65 KA 4P, 3200A, 230Vac motorized operating mechanism, fixed type with adjustable ratings 2500A to 3200 A, 230Vac closing & opening coil voltage, Schneider/Siemens or Equivalent. Outgoing: 3 x MCCB 50 KA 3P, 1000A Schneider/Siemens or Equivalent Outgoing: 3 x MCCB 50KA 3P, 250A along with STAR-DELTA CIRCUIT (3 STAR-DELTA CIRCUITS) with Contactor Ratings for 3 No. 45KW Motors complete with timer circuits and control wiring and all aspects, Schneider/Siemens or Equivalent Panel to be provided with proper insulation at bus bar and ACB/MCCB to be provided with IP54 cover front,</p>				

Panel Components: Digital Voltmeters along with Selector Switch, Digital CT powered Ammeters along with Selector Switch for Incoming/Outgoing Compartments/Feeders, R Y B & ON/OFF/Trip Indication Lamps complete with all control wiring.

Protection: Over & Under Voltage, Over Load protection to be provided at Incoming Panel.

Cable Entry and Exit: Rear Top or Rear Bottom with Base frame of no less than 300mm in case of Rear Bottom (to be finalized with OGDCL before manufacturing of Panel).

Cable Entry and Exit to be provided with 4mm Glands plate with holes as per cable sizing (Cable size will be provided at the time of manufacturing of Panel).

3. Terms & Conditions

- 3.1.** Contractor is responsible for the Supply, Factory Acceptance Test (FAT), On-site Installation Supervision (see note-1 below), On-site Testing and Site Acceptance Test (SAT) of Low Voltage Switchgear Panel by the qualified supervisor. Please note on-site installation of this package will be carried out by other Contractors, to be deputed by OGDCL.
- 3.2.** Before manufacturing of Panel, contractor must visit the site for finalization of scope of work points to be finalized at site.
- 3.3.** The Contractor must follow Specification details and Standard Design Codes in manufacturing of LV Switchgear Panel.
- 3.4.** Factory Acceptance Test to be conducted before arrival at Site and will be witnessed by OGDCL in accordance with approved procedure. FAT procedure will be submitted to OGDCL at least 2 weeks prior to FAT execution.
- 3.5.** The Test Reports for Electrical System Study (Short Circuit, Insulation with-Stand Values) of LV Switchgear Panel must be provided after Factory Acceptance Test.
- 3.6.** All drawings including Structure and Panel and Component details (including OEM names etc.) shall be submitted to OGDCL for review, comments, approval prior to manufacturing of Panel.
- 3.7.** During manufacturing of panels, OGDCL will witness all key QA/QC points and in this regard Contractor will submit Inspection and test plan (ITP) for approval. The witness/approval stages will be advised by OGDCL in the approval of ITP.
- 3.8.** As Built Drawings must be submitted to OGDCL at the time of On Site Testing of Switchgear Panel.
- 3.9.** Contractor will be required to select latest and popular models of equipment for which spares must be available readily on short notice. This is essentially required to ensure any malfunctioning of unit could be addressed in shortest possible time.

NOTES:

1. The "on-site installation supervision" is required to verify the installation is being carried out in accordance with drawings and standards of Switch Gear Supply Contractor. The Contractor representative will verify the installation at various stages and shall submit compliance report to OGDCL. The objective is ensure no gaps and/or

defects are left in the installation by on-site construction contractor, which could impact testing and commissioning quality and schedule.
