

**GIK INSTITUTE OF ENGINEERING  
SCIENCES AND TECHNOLOGY, TOPI**

**TENDER NO.**

**GIKI/WORKS/25/H7&13**

**TENDER DOCUMENT FOR INSTALLATION OF  
GENERATORS ALONG WITH CABLE MODIFICATION**

**F.O.R BASIS**

**TENDER FEE NON-REFUNDABLE  
Rs. 5,000/-**

**WORKS DEPARTMENT**

Email: [director.engineeringprojects@giki.edu.pk](mailto:director.engineeringprojects@giki.edu.pk)



**GIKI INSTITUTE OF ENGINEERING SCIENCES AND TECHNOLOGY, TOPI**  
**(WORKS DEPARTMENT)**

SCHEDULE OF REQUIREMENTS FOR SUPPLY, INSTLLATION, COMMISSIOINING & TESTING OF GENERATOR SETS & Modification/installation of LT Cables and PFI Panels complete scope of Work on Turnkey Basis.

The delivery of services and supply will be made in 60 days after issuance of Purchase Order (without penalty) and with the prescribed penalty as per following schedule of requirement: -

MODE OF PENALTY	NO OF DAYS	TOTAL DELIVERY PERIOD
Without Penalty	60 days	60 days
With Penalty @ 0.10 % per day for 10 days, 0.15% per day for 20 days, 0.20% per day for 30 days, 0.25% per day after 30 days.		

**PRICE SCHEDULE FOR THE GOODS IN PAK RUPEES:**

Name of Bidder: \_\_\_\_\_

**Tender No: GIKI/WORKS/25/H7&13**

SUPPLY, INSTLLATION, COMMISSIOINING & TESTING OF GENERATOR SETS along with LT Network and PFI Panel.

- tabulated as under:

Tender No.	Sr. No.	Description/Specification	Qty	Unit Price (RS)	Unit Price with Taxes (RS)	Total Cost including Taxes (RS)
GIKI/PD/WORKS/25/H7&13	1	SUPPLY, INSTLLATION, COMMISSIOINING & TESTING OF 350 KVA GENERATOR SET including Alternator, ATS panel, platform / foundation, MS soundproof Canopy, and requisite cabling works. <i>(Details mentioned in Annex-A)</i>	2 350 kva x 2			
GIKI/PD/WORKS/25/H7 & 13		Installation of new LT cables, including PFI panel, earthing system, protection, bus bars, MCBs, and ACBs,SPDs as per the requirements of the already installed 1250 kVA transformer, along with the integration of the generator on a turnkey basis <i>(Details mentioned in Annex –B)</i>	1			
<b>Total (Inclusive of Taxes)</b>						

**Note: The Institute reserves the right to increase or decrease the quantity of generators, other accessories / length of cables to be purchased, as deemed necessary, without assigning any reason."**

## TECHNICAL SPECIFICATIONS OF 350 KVA DIESEL GENERATOR

Name of Equipment	Specification
<b>Diesel Generator</b>	Manufacturer, Assembled, Coupled and shipped complete built unit from Europe / USA / Eqv, with digital micro processor based advanced controller. Reconditioned but not used in Pakistan
Authenticity of Diesel Generator	Online verification of Genset via QR code or principal's website.300
Prime Output	350 KVA / 280 KW
Standby Output	400 KVA /320 KW
Frequency	50 Hz, Phases 3, Power factor 0.8, 3 pole circuit breaker
Ambient Temperature	50 degree centigrade ambient temperature
<b>Engine Data</b>	
Engine brand	Perkins /Cummins, Made in Europe / USA /Eqv
Engine speed	1500 rpm
Number of cylinders	06
Fuel type	Diesel
Aspiration	Turbo charged & charge air cooled
Governor type	Electronic
Cooling system	Water cooled
Starting voltage	24V DC
Fuel tank capacity	To cater for 6-8 hrs consumption at prime load
<b>Alternator Data</b>	
Alternate brand	Stamford / Leroy Somer , made in Europe / USA / Eqv
Alternator Output	350 KVA (Prime) / 400 KVA (Standby)
Excitation	Self excited
Voltage	380-415 volts, 3 phase
Power factor	0.8
Insulation Class	H
Protection	IP23
Voltage regulation	± 0.1%
Batteries	2X12 V of suitable AH, long life, rugged, lead acid maintenance free, imported or pak made under license with warranty card.
<b>Control System</b>	
Documents	User operation & maintenance manual, wiring diagram of control panel.
Scope of Work	SUPPLY, INSTLLATION, COMMISSIOINING & TESTING OF 2 x 350 KVA GENERATOR SET including Alternator, ATS panel, platform / foundation/Civil Work, MS soundproof Canopy, and requisite cabling works. Entire Solution as Turnkey
FBR/Income tax returns for the last 3 years	Documents required NTN Certificate required / ATL status
Bank statement for the last 3 years	Documents required
Audit reports for the last 03 years	Documents required

## Annexure-B

### TECHNICAL SPECIFICATIONS OF LT Cable Network Complete Scope

<b>System Description</b>	Design, fabrication, supply, installation, testing, and commissioning of a complete Low Voltage (LV) Panel integrated with an Automatic Power Factor Improvement (PFI) section and LT Cables. The panel shall be connected to the existing 1250 kVA, 11/0.4 kV transformer to feed three buildings include a 2 x 350 kVA generator interconnection with 1250KVA Transformer and with 1000 KVA Transformer.
<b>Panel Type</b>	Outdoor, floor-mounted, modular design, dust and vermin-proof, IP-54/IP65 rated MS enclosure (minimum 14 SWG, powder-coated).
<b>System Voltage</b>	400 V $\pm$ 10%, 3-phase, 4-wire, 50 Hz.
<b>Bus Bar System</b>	High conductivity electrolytic copper busbars, tinned, rated 2,000 A, 50 kA short-circuit withstand for 1 sec, color-coded, and heat-shrink insulated.
<b>Incomer Protection /Main Breaker</b>	4-pole ACB/MCCB 2,000 A with adjustable thermal-magnetic or electronic release and shunt trip.
<b>Out Going Feeders</b>	3 Nos. MCCBs (one per building) each rated as per Design Requirement, + 1 No. MCCB for 350 kVA generator interconnection; each with individual metering and protection For 1250Kva and for 1000KVA separate as per requirement.
<b>LT Cables</b>	Single Core ,Copper Armored 185mm/240mm for Phase conductors and 120mm for Neutral conductor according to building Load, From Transformer to Hostel 7 Approximate Distance 180 meters, from Transformer To Girls Hostel 13 Phase-1 distance approximate distance 100 meters, from Transformer to Girls Hostel 13 Phase 2 any changes/addition if required should be added after field visit and mutual understanding as per standards and specifications.
<b>Metering and Instrumentation</b>	Digital multifunction energy meters for incomer and each outgoing feeder (V, A, PF, Hz, kW, kVA, kVAr, kWh); indicating lamps, selector switches, and control wiring included
<b>PFI Panel</b>	Integrated PFI section with automatic APFC relay and capacitor banks providing $\approx$ 400 to 500 kVAr reactive compensation. Capacitors: APP/MPP, 440 V, self-healing, with discharge resistors. Steps: 6-8; Switching: capacitor-duty contactors or thyristor modules.
<b>Detuned Reactors</b>	7% tuning reactors for harmonic filtration (if required).
<b>Protection Devices</b>	Overload, short-circuit, and earth fault protection via MCCBs/ACBs; Class II SPD (3-phase, 440 V); phase failure, under/over-voltage, Transformer, temperature protection and indication alarms.
<b>Interlocking and Synchronization</b>	Mechanical/electrical interlocking between transformer and generator incomers; provision for AMF/ATS operation.

Improvement in Existing Earthing system	Dual copper earth bars (min. 50 × 6 mm) connected to main earthing system; all non-current carrying parts bonded to earth; Earth resistance $\leq 1 \Omega$
Busbar Insulation & Temperature Rise	Epoxy-coated/tinned; temperature rise $\leq 40 \text{ }^\circ\text{C}$ above ambient
Enclosure & Fabrication Standards	Modular design, cable entry from bottom/top as required, partitioned for safety; as per IEC 61439-1/2 and IEC 60439
Testing Standards	Routine, mechanical, insulation, dielectric, and functional testing at manufacturer's works; FAT & SAT to submitted /witnessed.
Documentation	SLD, GA drawings, wiring diagrams, component datasheets, test certificates, and O&M manuals to be supplied
Preferred Makes	ACB/MCCB: Schneider/ABB/Siemens/L&T; Capacitors: EPCOS/Ducati/Schneider; Meters: Schneider/Secure/Selec/equ; Contactors: ABB/Schneider/equ; Enclosure: as per IEC compliance. Cables Pakistan Cables/Fast Cables.
Scope of Work	Complete design, supply, installation, Disconnection of existing connections/ modification, Civil Work, testing, and commissioning of LV distribution panel with integrated PFI system and Installation, laying of LT Cables, all breakers, protections, and interconnection with existing transformer and generator Complete as Turnkey Solution Visit is mandatory before bids submission.

**Technical Evaluation Criteria**

Credit Marks shall be awarded based on the following criteria. Minimum qualifying marks are 60.

<b>Sr. No.</b>	<b>Description</b>	<b>Maximum Points</b>
i)	Projects / Procurement of similar nature completed	20
ii)	Financial soundness Certificate of Tax Registration & Active Taxpayer (NTN/GST) Bank Statement of last year	20
iii)	Personnel / HR capabilities with CVs	10
	<b>Total:</b>	<b>50</b>

**Note: Please submit documents as per above mentioned criteria**

- Technical qualification status shall be decided on the basis of Qualified / not qualified basis. The applicant must secure at least 60% score (30 marks out of 50)

Director (Works & Projects)  
GIK Institute, Topi

**GIK INSTITUTE OF ENGINEERING SCIENCES AND TECHNOLOGY, TOPI**  
**WORKS DEPARTMENT**

**1. INSTRUCTIONS TO BIDDER(S):**

- 1.1. In case of any doubt as to the meaning of any portion of the Specifications or other Terms and Conditions, bidder(s) may seek clarification of the same in writing, but not later than 5 days prior to deadline for submission of bid(s) prescribed by the Purchaser.
- 1.2. The Purchaser reserves the right to increase or decrease the quantities or may cancel any or all items shown in the Schedule of Requirement without assigning any reason thereof.
- 1.3. The Purchaser reserves the right to have the items inspected by its own representative, or by 3<sup>rd</sup> party at its own cost (if required).
- 1.4. It must be indicated in the offer that the Bid fully conforms to Technical Specifications and Terms and Conditions of the Tender.
- 1.5. The Purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all the bids at any time prior to award of Purchase Order without thereby incurring any liability to the affected bidder(s) or any obligation there under. However, GIK Institute shall upon request communicate to any bidder(s) who submitted a bid, the grounds for its rejection, but it is not required to justify those grounds.
- 1.6. Unsolicited advice/clarifications and personal approaches by the bidder(s) at any stage of evaluation are strictly prohibited and shall lead to disqualification.
- 1.7. The bidder(s) are expected to examine all instructions, forms, terms and specifications in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to Bidding Documents in all respect will result in the rejection of the bid(s).
- 1.8. All prospective bidder(s) are advised to carefully read all terms & conditions mentioned in the Tender Documents prior to filling/ submission of their Bid.

**2. BID PRICES:**

- 2.1. Prices must be quoted in Pakistani currency inclusive of all taxes and duties, indicating unit price and total bid prices. GST must be quoted separately along with copy of GST Certificate only for Pakistani currency. Bids offering prices in foreign currency will be rejected. Conditional bid / bid having any price adjustment formula will be rejected.
- 2.2. Prices must be quoted including all charges like handling, loading, transportation, and un-loading, Octroi and Zila Tax etc. for delivery of material at Purchaser's stores located at **required delivery location.**
- 2.3. Quoted prices will be valid for 90 days from the opening date of the **Financial Bid.**
- 2.4. Technical brochure/literature confirming Size, Brand & Country of Origin of quoted items/material must be attached with the Technical Bid (where deemed necessary).
- 2.5. Discount (if any) shall only be entertained on the Schedule of Requirement of

Bidding Document (Financial Proposal). If the discount is mentioned elsewhere in the bid, the same shall not be entertained.

- 2.6. Tender submitted without Tender Fee Rs 5,000/- (in shape of challan form/ pay order/Demand Draft) & earnest money CDR should be rejected at the time of opening of Tender. Earnest money & challan form will be submitted against each Tender separately.

### **3. BID SECURITY MONEY:**

Bids accompanied by Bid Security (2%) of total bid value and tender fee Rs 5000/- along with requisite credentials completed must be delivered in two sealed envelopes to the Director (Works & Projects) SOPREST, office No. 305, 3<sup>rd</sup> floor, ISE Tower, Jinnah Avenue, Blue Area, Islamabad by 25 Nov 2025 at 11:00 AM. Bids will be opened at 11:30 AM on the same day, in the presence of bidder's reps who choose to attend at the same address.

- 3.1. Short Bid Security Money or Crossed Cheque as Bid Security Money is not acceptable.
- 3.2. The Bid Security Money of un-successful bidder(s) will be returned after award of Purchase Order to successful bidder(s). The Bid Security Money of successful bidder(s) will be discharged / returned upon bidder(s) furnishing the executing the order/contract (Subject to the satisfactory report without any objection from the end user).
- 3.3. The Bid Security Money of bidder(s) whose bid is rejected will be returned forthwith.
- 3.4. The Bid Security Money shall be forfeited:
  - 3.6.1. If a bidder withdraws its bid during the period of bid validity.
  - 3.6.2. In case of a successful bidder, who fails (a) to sign the contract; (b) to furnish performance security (if any).

### **4. SEALING AND MARKING OF BIDS:**

- 4.1. The bidder(s) shall furnish Technical & Financial Bid(s) in two separate sealed envelopes.
- 4.2. Technical Bids will be opened first.
- 4.3. Earnest money as mentioned in Press Tender Notice must be enclosed with a Financial Bid.
- 4.4. Only Financial Bid(s) of Technically responsive bidder(s) will be opened publicly.
- 4.5. Financial Bids of technically non responsive bidder(s) will be returned after award of Purchase Order to successful bidder(s).
- 4.6. The bid shall be submitted in a sealed envelope marked as under:

## **5. BID OPENING:**

- 5.1. The purchaser will open the Technical Bid, in the presence of the bidder's representative(s) who may choose to attend on date, time and location mentioned above.
- 5.2. The bidder(s) names, bid prices including bid price modification and bid withdrawals, if any, will be announced at the time of financial bid opening.
- 5.3. The Purchaser will examine the bids to determine whether they are complete, no computational errors have been made, the required sureties have been furnished, documents have been properly signed, and the bids are generally in order.
- 5.4. Arithmetical errors found are corrected as follows:
  - 5.4.1. Where there is a discrepancy between the amount in figures and word, the amount in word will prevail.
  - 5.4.2. Where there is a discrepancy between the unit price and the total amount derived from the multiplication of the unit price and the quantity, the unit price as quoted will govern, unless there is an obvious gross arithmetical error in unit price, in which event, the extended amount quoted would prevail.
  - 5.4.3. In case the due date of the bids opening falls on a holiday, the bids shall be opened on the next working day.

## **6. DETERMINATION OF RESPONSIVENESS:**

- 6.1. After the opening of the bids, the purchaser will determine whether each bid is substantially responsive to the requirements of the bidding documents.
- 6.2. For the purpose of this clause, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviation. A material deviation is one which means inconsistent with the bidding document, affects in any substantial way the scope, quality or prescribed delivery schedule or which limits in any substantial way, the Purchaser's right or the bidder's obligation under the contract.
- 6.3. A bid determined to be non-responsive will be rejected by the purchaser and shall not subsequently be made responsive by the bidder(s) by correction of the non-conformity.
- 6.4. The purchaser may waive any minor deviation non-conformity or irregularity in a bid, which does not constitute a material deviation, provided that the waiver does not prejudice or affect the relative standing order of other bidder(s).
- 6.5. To assist in determining a bid's responsiveness the bidder(s) may be asked for clarification of his bid. The bidder(s) is not permitted, however, to change the bid price or substance of

his bid.

- 6.6. The bidder(s) may lodge a written complaint for redressing their grievances and disputes to Dispute Resolution Committee within fifteen days of the placement of the Technical Evaluation report on the web.

**7. ISSUANCE OF PURCHASE ORDER (PO):**

- 7.1. The Purchaser will issue a Purchase Order to the successful bidder(s) whose bid is determined to be the best evaluated bid.

**8. PAYMENT:**

- 10.1 Payment will be made after delivery, inspection and acceptance of goods, materials and equipment etc. No advance payment is allowed. 5% retention money will be deducted, and will be released after 3 months of completion report generated by the institute.

**9. DELIVERY SCHEDULE:**

- 11.1 Delivery of required material against this tender is to be completed as soon as possible from the date of receipt of confirmed Purchase Order and will provide surety bond/guarantee for provision of delivery within specified period.

**10. EXTENSION IN THE DELIVERY PERIOD:**

- 12.1 Delivery of the goods shall be made by the supplier in accordance with the delivery schedule given in the Purchase Order.
- 12.2 The supplier may claim extension of the time limits as set forth in the Purchase Order in the case of: -
- 12.3 Changes in the specifications of goods, material & equipment by the Purchaser.
- 12.4 Delay in provision of clarifications regarding material, drawings and services by the Purchaser.
- 12.5 Justified reasons subject to a written request highlighting the same within a period of seven working days prior to expiry of delivery period mentioned in Purchase Order.
- 12.6 It should be noted that a request for an extension of the delivery period should be considered only if the supplier agrees in writing to pay any increase in taxes or any other charges levied by the Government during the extended delivery period. The purchaser shall not bear any additional price increase during the extended period.
- 12.7 In case of extension in delivery period, the supplier will extend validity of Performance Bond accordingly at his cost.
- 12.8 If the supplier fails to supply the ordered material for any reason, within the stipulated time, the Performance Bond shall be forfeited, and material shall be purchased from elsewhere

at its risk and cost.

#### **11. LIQUIDATED DAMAGES:**

- 13.1 If you fail to supply the material in the above specified period, GIK Institute reserves the right to blacklist you for future business or forfeit the security money or impose penalty @ 0.25% per day of the contract value or may impose any other financial penalty as deemed fit.
- 13.2 Even after imposition of LDs, if the supplier fails to materialize the delivery (material and or services); the Purchaser reserves the right to cancel Purchase order/contract and to forfeit the earnest money (if applicable) after intimating the supplier for such cancellation / forfeiture.

#### **12. FORCE MAJEURE:**

- 14.1 The supplier shall not be liable for penalty for delay in delivery of ordered goods, if, and to the extent delay in delivery or other failure to perform his obligation under the Purchase Order, of being the result of occurrence of Force Majeure i.e. causes such as natural calamities, war, civil disturbance, military action, fire as well as other circumstance proved to the satisfaction of the Purchaser to be beyond the reasonable control of the supplier, which may impede the fulfillment of the obligations under the Purchase Order.
- 14.2 The supplier shall notify the Purchaser promptly of the occurrence of Force Majeure and submit his case in writing within 07 days of such occurrence.
- 14.3 If any of the party is prevented to fulfill its assumed obligations by Force Majeure of constant duration of at least one month, the party shall meet for negotiation. If no satisfactory agreement is reached within a period of two months from the Commencement of the Force Majeure conditions, either party shall have the right to cancel the Purchase Order with immediate effect.

#### **13. INSPECTION AND TEST:**

- 15.1 The Purchaser's representative(s) shall have the right to inspect and/or test the goods to confirm their conformity with respect to specifications mentioned in the Purchase Order. The representative of Procurement Cell will witness the inspection (where so required).
- 15.2 Should any inspected or tested goods fail to conform to the specifications the purchaser shall reject them and supplier shall replace the rejected goods. All costs incurred on such replacement shall be entirely born by the supplier.
- 15.3 Rejected material shall be moved / replaced by the supplier within 07 days from the receipt of letter/fax issued by the Procurement Department. The supplier shall be liable for the **storage** charges @ 0.2% (half percent) of the cost of rejected material on every day

basis, if the same is not removed within seven days.

- 15.4 Acceptance/rejection of the material by 3rd party (where required) will be final and binding on both the parties.

**14. WARRANTY:**

- 16.1 The supplier shall warrant that all goods supplied under the Purchase Order shall be according to specifications given in Purchase Order and approved drawings/design etc. Any deviation in material, drawing/design (where applicable) will be replaced by the supplier at his cost.
- 16.2 The Purchaser shall promptly notify the supplier in writing, of any claims arising under this warranty.
- 16.3 The supplier will invariably provide warranty/guarantee of spare and consumables.

**15. QUALIFICATION OF SELECTED BIDDER(S):**

- 17.1 The Purchaser will determine to its satisfaction whether the bidder(s) selected as having submitted the lowest evaluated, technically responsive bid qualifies to satisfactorily perform the order.
- 17.2 The determination will take into account the bidder(s) financial, technical & production capabilities, and the availability of items ordered for. The bidder(s) shall provide necessary documents as proof along with the bid.
- 17.3 Any affirmative determination will be a pre-requisite for award of the Purchase Order to the bidder(s). A negative determination will result in the rejection of the bid.
- 17.4 The Purchaser reserves the right at the time of award of order to increase or decrease to a reasonable extent the quantity of goods specified in the Tender Document without any change in price or other terms and conditions.