

**TENDER DOCUMENT FOR**  
**SUPPLY, INSTALLATION, COMMISSIONING &**  
**TESTING OF 50 KVA DIESEL GENERATOR SET**

**AT**

**STATE LIFE INSURANCE CORPORATION OF  
PAKISTAN KOHTAT ZONE MEERI COLONY  
UNIVERSITY ROAD KOHAT**



**PREPARED BY: HUMAN RESOURCES ADMIN & PROCUREMENT DEPARTMENT  
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**DATED: 09-09-2024**

**STATE LIFE INSURANCE CORPORATION OF PAKISTAN**  
**INVITATION OF TENDER FOR SUPPLY, INSTALLATION, COMMISSIONING AND**  
**TESTING OF 50 KVA PRIME DIESEL GENERATOR SET AT STATE LIFE INSURANCE**  
**CORPORATION, ZONAL OFFICE KOHAT.**

**TENDER NO. KT/GENERATOR 09 /09/2024**

State Life Insurance Corporation of Pakistan, Kohat Zone invites sealed tenders from firms dealing in technical Works for supply, Installation, commissioning & testing of DG set having proven relevant experience.

<b>Title of Work</b>	<b>Estimated Cost of Tender</b>	<b>Bid Security</b>	<b>Tender Purchasing / Closing Date on or before</b>	<b>Tender Submission opening Date Technical Bid</b>	<b>Time Period for Completion</b>
Tender for Supply, Installation, Commissioning, & Testing of 50 KVA Prime DG Set at State Life Zonal Office Kohat.	Rs.60,00,000/= Six Million	2% Quoted Amount	23-09-2024 at 02:00 Pm	23-09-2024 at 02:30 Pm	20 Days after issuance of Supply order.

Tender will be “Post Qualified” on the basis of information provide with the tender. Tender(s) who fails to qualify in this respect shall not be considered.

Tender(s) may obtain the Tender and post Qualification Documents from the office of the undersigned upon payment of a non–refundable Tender cost in shape of Cash /Pay order/Bank draft in favour of M/S State Life Insurance Corporation of Pakistan, meeri Colony, University Road Kohat Zone.

Single stage two (02) envelope Tender Return Procedure will be adopted. One envelope containing information regarding post qualification of Tender shall be clarify marked “**Technical Qualification Information**” . The Second envelope containing the Price documents shall be clearly marked “**Financial Bid Documents**” with original Pay order.

Partial conditional and incomplete tender will not be considered. “**Technical Qualification Information**” and” **Financial Bid Information**” (both envelope) are to be submitted at the under mentioned address by **23-09-2024 at 02:00 Pm**. The envelope containing “**Technical Qualification Information**” shall be opened on the same date at 11:30am in the presence of those Tender(s) who wish to be present. Tender received after the prescribed time and date shall be rejected.

The “**Financial Bid Documents**” of Tenders(s) who fall to qualify shall be returned to them unopened.

The envelope of the “**Financial Bid Documents**” of post qualified Tenders(s) will be opened in the presence of their representative on a specified time which shall be intimated accordingly. Conditional Tenders and bids without bid Security will not be accepted.

All other Details of Tender are available in Tender Documents.

State Life reserves the right to accept or reject any or all tenders under the Provision PPRA Rules.

**SECRETARY**

Zonal Procurement Committee,  
State Life Insurance Corporation of Pakistan  
Meeri Colony, University Road Kohat .  
Phone Number 0922-933602

**INSTRUCTION TO TENDERERS / SUPPLIERS OF EQUIPMENTS AND MATERIAL – RELEVANT TECHNICAL ON WHICH THE TENDER IS BASED**

(To be filed in and signed by the Tenderer)

1. The tender shall fill the name of only one manufacturer for the equipment's on which the tender is based. He shall be bound to supply the equipment from the same manufacturer.
2. The Tendered should preferably be the sole / authorized agent of the equipment and have complete back up services i.e. spare parts, tools and trained engineers.
3. The Tendered must fill the following list of equipment / material and manufacturer's technical data.

Sr. #.	Equipment / Material for Generator 50 KVA within Built AMF Panel	Name of Manufacturer	Country of Origin
01.	Diesel Engine		
02.	Alternator		
03.	ATS Panel		
04.	Canopy		
05.	I.T Cables Pakistan Cable or equivalent		
06.	MCCB Terasaki / Schneider / ABB / Germany / Japan / France / Italy or equivalent		
07.	Conduits / Accessories (if required)		
08.	Cable Tray, Trucking (If required)		
09.	Earthling		

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Tenderer's Seal & Signature

# **TERMS & CONDITIONS**

## **SALIENT TERMS AND CONDITIONS OF CONTRACT**

01	Method of Mode of Payment	<ul style="list-style-type: none"><li>• 15% Mobilization Advance against Bank Guarantee.</li><li>• 40% on delivery of equipment at site.</li><li>• 40% on Testing &amp; Commissioning.</li><li>• 05% Retention Money</li></ul>
02	Retention Money	05% of amount of work done
03	Release of Retention Money	Retention Money 0.5% will be released on completion of defects liability period of 01 year.
04	Liquidated Damages in case of non-completion of work within the stipulated period.	Rs. 500/- (Five Hundred) per day.
05	Limit of Liquidated Damages	10% of Contract Sum
06	Date of Commencement	Within Seven (07) Days from the Date of Issuance of Letter of Award
07	Time of Completion of Work from the date of commencement of Work	Forty-Five (45) Days from commencement of work (Saturday & Sunday included)
08	Period of Honoring Interim Bill	Within Fifteen (15) Days of Engineer's Certificate
09	Validity of Tender	One Hundred fifty (150) Days (from the date of opening of Tender)
10	Defects Liability Period	One (01) Year from the Date of Commissioning

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Tenderer's Seal & Signature

## **GENERAL TERMS:**

- 1.1. Tender is invited for supply installation, commissioning and testing of 50 KVA D.G. Set as per attached B.O.Q at State Life Zonal Office located at Meeri colony University Road Kohat.
- 1.2. Tenders shall be submitted in sealed envelope.
- 1.3. Tenderers are requested to visit the site and ensure that their offers are complete in all respect and that all terms and condition mentioned in this document shall be strictly complied with. Tenderer must ensure / study the specification schedule and B.O.Q as are attached with offer to avoid any debate /discussion / Dispute during / after execution of work.
- 1.4. Tender documents (all papers) must be signed and stamped to signify the acceptance of tender's conditions.
- 1.5. Technical services and operation conditions for achieving the performance shall be the responsibility of the Tenderer.
- 1.6. The successful supplier will be required to submit the schedule of supply and installation within seven (07) Days from the acceptance of Letter of Award.
- 1.7. State Life insurance Corporation of Pakistan (SLIC) have right to accept / reject the lowest or any tender received for this job as per provisions of PPRA.
- 1.8. Any conditional tender will not be accepted and will be liable to rejection.
- 1.9. Contractor has to clean the site in every respect from unused material, debris and tools on completion of work.
- 1.10. State Life Insurance Corporation of Pakistan (SLIC) will not be responsible for any loss to life or theft of tool/ equipment or consumable material and will not accept any claim, liabilities or compensation.

## **2. PRICES AND ESCALATION**

- 2.1 Quoted price shall be inclusive of supply, transportation insurance, octari , loading unloading , lifting and fixing of equipment at Site as specified in the tender.
- 2.2. No price escalation claim will be entertained in any reason due to change in taxes. Levy, Wages, Currencies fluctuation or any other change announced by the Central Government / Provincial Government or any local Authority.

2.3. The contractor / firm will be bound to pay all federal / provincial government taxes levied on the jobs i.e. GST, income Tax and any tax in future if imposed by the government during the current contract and quoted rates will be inclusive of all taxes.

2.4. Contractor will arrange N.O.C permission or any other requirement as per Site if required from any Government Authority / Electric Inspector Challan / fee for such provision will be paid by State Life Insurance Corporation of Pakistan (SLIC) separately.

### **3. MODE OF PAYMENT**

As per Salient Terms

### **4. DEFECT LIABILITY PERIOD AND CERTIFICATE.**

- 4.1. The contractor shall furnish a completion certificate that the work has been completed and materials supplied strictly conform to the specification as laid down in the contract. The contractor will also submit single line diagram and as built drawing after completion of work.
  - 4.2. The contractor will replace the components if not found according to specification or found defective due to faulty design, material or workmanship.
  - 4.3. Cost of removal, rechecking and cartage charges for defective materials sent back to place of manufacture ring be borne by the contractor.
  - 4.4. Cost of all parts required for generator during defect liability period shall be borne by Contractor.
5. The installation, in General, shall be carried out in conformity with the Pakistan Electricity Rules, 1973, and the latest edition of the Regulations for the Electrical Equipment of Buildings by the institution of Electrical Engineers, London (I.E.E) However, in case of conflict between these specifications and the I.E.E Regulations, these specifications shall be followed.
6. The Contractor shall be responsible for submitting the test certificates and getting the installation passed by the Electric Inspector, Government of KPK, Any special requirements of the Peshawar Electric Supply Company (PESCO) shall be complied with.



**7. PRE – BID VISIT:**

Tenderers are requested to visit the site before submission of Tender / Bid and ensure that their offers are completed in all respects and that all terms and conditions mentioned in the tender documents shall be strictly complied with. Tenderer must ensure / study the specifications, schedule and BOQ as are attached with offer to avoid any debate / discussion / dispute during / after execution of work.

- No TA / DA will be given to tenderers for Pre – Bid visit.

**8. DEFECT LIABILITY PERIOD.**

During Defect Liability Period contractor will provide the services free of cost and maintain the DG set properly.

- Contractor shall provide maintenance visit in alternate months.
- Emergency visit shall be carried out on call if any fault occurred.

**BILL OF QUANTITIES (BOQ)**  
**FINANCIAL BID**

## **BILL OF QUANTITIES (BOQ)**

Provision of 50 KVA D.G. Set for State Life Kohat Zone

Sr #	Description	Unit	Qty..	Unit Rate (Rupees)	Toal Amount Rupees)
(1)	(2)	(3)	(4)	(5)	(6)
	<p>Supply, installation, testing and commissioning of the following items of work (unless specifically stated otherwise). Including all material, labour, foods, plant, accessories, etc, required for proper completion of each item as per specification. General / Specification FOR Electrical Works shall be applicable to allBOQ Items). The Contractor will visit the site, inspect the existing condition of the works and nature of balance works before quoting the price in Tender. In the result of such inspection and check of the works, if contractor finds any rectification or remedial works necessary to be executed for balance works, the contractor shall accommodate the cost of such works in the quoted rates.</p> <p>D.G. SET ( Including Transportation)</p> <p>Following the rating of complete D.G Set with inbuilt AMF control / instruments (to be connected with ATS Panel) and all control Wiring / interlocks between DG Set panel and utility supply, pipe work, exhaust system, skid mounted fuel day tank, ducting, control panel , complete with all accessories, foundation pads and all related civil works etc complete in all respects.</p> <ul style="list-style-type: none"><li>a) 50 KVA Prime</li><li>b) Foundation and related civil works (50 KVA)</li><li>c) Exhaust System Works.</li><li>d) Skid Mounted Fuel Day Tank (50 KVA)</li></ul>				

# **MANUFACTURER'S TECHNICAL DATA**

# **MANUFACTURER'S TECHNICAL DATA**

(To be filled in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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## **1. ENGINE (PERKIN / COMMINES / CATERPILLAR)**

- 1.1. Manufacturer's Name
- 1.2. Maximum Engine Rating BHP
- 1.3. Continuous Output Rating – BHP
- 1.4. De – Eating Factor
  - 1.4.1. For Altitude of 15 Meter above NSL
  - 1.4.2. For Inlet Air Temperature of Zero Degree Centigrade
  - 1.4.3. Others, if any
- 1.5. Engine Raring at Site – BHP
- 1.6. Period of Maximum Engine Raring – Hours
- 1.7. Operating Speed – RPM
- 1.8. Bore and Stroke – Inches / MM
- 1.9. No of Cylinders
- 1.10. Arrangement of Cylinders n line / v
- 1.11. Engine Capacity cu in / cc
- 1.12. Compression Ratio
- 1.13. Coupling
- 1.14. Mounting
- 1.15. Cooling System
- 1.16. Ignition System
- 1.17. Overload Capability

# **MANUFACTURER'S TECHNICAL DATA**

(To be filled in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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1.18. Governor

1.18.1. Type

1.18.2. Make

1.19. Efficiency (%)

1.19.1. At 100% rated load

1.19.2. At 75% rated load

1.19.3. At 50% rated load

1.20. Fuel consumption (Lit / Hr)

1.20.1. At 100% rated load

1.20.2. At 750% rated load

1.20.3. At 50% rated load

1.20.4. At 25% rated load

1.20.5. At 0% rated load

**2. ALTERNATION; (CATERPILLAR / NEWAGO STAMFORD / LEROY SOMER / MECCALTE) OR EQUIVALENT.**

2.1. Manufacturers Name

2.2. Design Output Rating

2.3. Continuous Output at Site

2.4. Power Consumption in Auxiliaries

2.5. Net Power Available

2.6. Rated voltage

# **MANUFACTURER'S TECHNICAL DATA**

(To be filled in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
	2.7. Rated Current per phase	
	2.8. Power Factor	
	2.9. Speed	
	2.10. Frequency	
	2.11. Insulation Class	
	2.11.1.Stator	
	2.11.2.Rotor	
	2.11.3.Exciter	
	2.12. Overload Capability	
	2.13. Harmonic Content %	
	2.14. Temperature Rise – Degree Celsius	
	2.15. Frequency Regulation - %	
	2.16. Deviation Factor %	
	2.17. Voltage Regulation	
	2.17.1.Type	
	2.17.2.Regulator	
	2.17.3.Regulation - %	
	2.17.4.Voltage - %	
	2.17.5.Response Time	

- 2.18. Efficiency %
  - 2.18.1. At 100% rated load
  - 2.18.2. At 75% rated load
  - 2.18.3. At 50% rated load
  - 2.18.4. At 25% rated load
- 2.19. Exciter
  - 2.19.1. Type
  - 2.19.2. Related Voltage – Volts
  - 2.19.3. Full Load Current - Amp
- 2.20. Radio Frequency Interference
- 2.21. Telephone Influence/ Interference
- 2.22. Charger Capacity
- 2.23. Batteries
  - 2.23.1. Type
  - 2.23.2. Rating All

### **3. ACCESSORIES**

(Contractor to State whether or not these accessories are provided)

- 3.1 Crankcase Heater
- 3.2 Automatic Water Makeup System
- 3.3 Dueling for Radiator
- 3.4 Exhaust System
  - 3.4.1 Residential
  - 3.4.2 Industrial

## **MANUFACTURER'S TECHNICAL DATA**



(To be filled in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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3.5 Meters / Gauges to Indicate e

- 3.5.1 Engine Speed in RPM
- 3.5.2 Lube Oil Pressure in Bars
- 3.5.3 Engine Water Temperature in oC
- 3.5.4 Engine Running Hour in Hrs.
- 3.5.5 Battery Charging Current in Voltage

3.6 Alarm / Indication Lamps for;

- 3.6.1 Engine Over Speed
- 3.6.2 Low Lube Oil Pressure
- 3.6.3 High Engine Water Temperature
- 3.6.4 Over Voltage
- 3.6.5 Under Voltage
- 3.6.6 Short Circuit / Tripping of Main Circuit Breaker
- 3.6.7 Low Fuel Level
- 3.6.8 High Fuel Level
- 3.6.9 Charger Failure
- 3.6.10 Over Cranking
- 3.6.11 Charging Alternator Failure

3.7 Safety devise for instantaneous shut down due to:

3.7.1 Engine Over Speed

3.7.2 Low Lube Oil Pressure

3.7.3 High Water Temperature Shut Down.

3.7.4 Under voltage

3.8 Safety devices for adjustable delayed shut down through shut down timer  
due to:

3.8.1 Over Voltage

3.8.2 Short Circuit / Tripping of Main circuit Breaker

3.8.3 Low Fuel Level in Tank

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**TECHNICAL EVALUATION CRITERIA**

**FOR THE ITEMS AS PER TENDER DOCUMENT**

Sr No	Evaluation	Total Points	Points Earned
1	Company Profile Registration Certificate=05 Registered Company =03 Sales Proprietorship =02	10	
2	Dealership certificate	10	
3	Income Tax Return for Last 02 Years	10	
4	Satisfactory Report from Previous Clients (at least 02) of quoted item	10	
5	List Of Experienced Technical Staff. Number of Staff 0-----05 = 05 06-----08=08 08 or above =10	10	
6	An affidavit is required that the firm /supplier has never been black listed by Govt. Department	10	
7	On Site Free Warranty with parts and labour as mentioned in The Tender Document	10	
8	The Bidder Will have to be attached copy of NTN,PEC and sales tax/PRA Registration with their Bids(Active Tax payer)	10	
9	List of present Clients /Past Experience (at least 05) with other Govt. Departments/Institutions	10	
10	Financial Soundness/Bank Statements/Bank Certificates one year Bank Statement.	10	

- Qualification Criteria is Minimum 70%