

PAKISTAN ENGINEERING COUNCIL

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BIDDING DOCUMENT

Doc No: PEC/Gen/2021/07

**FOR PROCUREMENT / SUPPLY / INSTALLATION / COMMISSIONING
OF DIESEL GENERATOR 15 KVA**

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1. GENERAL INSTRUCTIONS

Pakistan Engineering Council (PEC) intends to procure the Diesel Generator for PEC Regional Office Quetta. The details of specifications/configuration of the Generator is mentioned in the Technical specification document.

| Sr. | Description | Qty |
|-----|-------------------------|-----|
| 1 | Diesel Generator 15 KVA | 1 |

- i. The bids are invited using “Single Stage Two Envelope” method as per PPRA rule 36(b). The bid shall comprise single package containing two envelopes, separately “**Technical**” and “**Financial**” proposals along with bidder name, address, email and telephone/mobile number for correspondence.
- ii. The technical proposal must be supported by bid security money, which will be returned on evaluation completion of Technical proposals to non-qualifying bidders.
- iii. The bidding documents are to be submitted in a sealed envelope by **21st October, 2021 (02:30 pm)** to PEC head office Islamabad.
- iv. The technical proposals will be opened on the same day i.e. **21st October, 2021 (03:00 pm)** for the bids, who have complied the bidding requirements.
- v. PEC expects bidders to comply all requirements/documentary evidences thoroughly. If bidder has any questions about the requirements by Purchaser, please ask before bid submission, prior to meeting a compliance. Bidder responses will be judged based in part on the bidders’ ability to communicate well. Any query can be forwarded to following purchase@pec.org.pk for clarification.
- vi. The Tender shall have a minimum validity period of hundred (90) days from the last date for submission of the Tender. PEC may solicit the Tenderer's consent to an extension of the validity period of the Tender. The request and the response thereto shall be made in writing. If the Tenderer agrees to extension of validity period of the Tender, the validity period of the Bid Security shall also be suitably extended. The Tenderer may refuse extension of validity period of the Tender, without forfeiting the Bid security.

The tender proposal will be submitted to;

Director Administration
Pakistan Engineering Council
G-5/2, Ataturk Avenue (East) Islamabad

2. SCHEDULE OF PAYMENT

- i. No advance payment shall be made.
- ii. The supplier shall submit original bill/invoice along with signed delivery challan.
- iii. Payment shall be made against purchase/supply/Installation/Commissioning of equipment through cross cheque in the name of the firm/supplier after deducting all applicable taxes as prescribed by FBR from time to time.
- iv. Payment will be made within 30 days after receipt and successful / satisfactory installation / commissioning and functioning of all supplied equipment by the supplier.

3. DELIVERY PERIOD

- i. The successful bidder will be required to deliver the ordered equipment up to maximum of 4 weeks' time, starting from the date of issue of Purchase order by Purchaser. In case of delay in delivery, penalty per week shall be charged at 3% of contract value, up to maximum 10% of the total contract value.
- ii. The Purchaser will have the right to revise (if required) the delivery time period based on justified reason.
- iii. Delivery of equipment shall be made at PEC Regional Office, Quetta.

4. TECHNICAL DOCUMENTS

- i. All the information provided in the bid should also be adequately supported by relevant supporting documents and technical brochures. Bidder may attach documents highlighting the competitive edge and unique features of their bids.
- ii. The country of origin of each quoted item should be clearly mentioned.
- iii. Any specification or condition mentioned in tender document, if not found in bid document, shall give the right to PEC to consider it as "condition not being met/fulfilled".
- iv. Bidders are advised to enclose valid copy of Dealership/Partnership Certificate(s) and Proof of registration with the Income Tax Department and Sales Tax Department with the quotations.
- v. Bidders should provide authorization letter from principal authorized dealer for the equipment. The provided documents should be valid i.e. having minimum expiry date of 31st December 2021.
- vi. An affidavit to the effect that the firm has not been black listed at any forum / level.

5. EQUIPMENT

- i. The equipment should be new according to the provided specifications/ configuration.
- ii. The equipment should be arranged through the legal channels by providing all duties/taxes (if any) levied by the Government of Pakistan.

- iii. The installation, commissioning of the supplied equipment to be fully functional along with necessary trainings, will be the responsibility of the firm/supplier.
- iv. The original/official operation and maintenance manual should be provided with the Generator.

6. AMENDMENT OF THE TENDER DOCUMENT

The Purchaser may, at any time prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the Bidder(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the Bidder(s). PEC shall notify the amendment(s) in writing to the prospective Tenderers as per rules.

7. TENDER PRICE

The quoted price (in Pak Rupees) shall be best / final / fixed (inclusive of all existing taxes, duties, levies, insurance, freight, etc.) and valid until completion of all obligations under the Contract i.e. not subject to variation / escalation. If not specifically mentioned in the Tender(s), it shall be presumed that the quoted price is as per the above requirements. Where no prices are entered against any item(s), the price of that item shall be deemed to be free of charge, and no separate payment shall be made for that item(s).

8. WARRANTY

The supplier will furnish a warranty certificate, to the effect that the items supplied conforms exactly to the specifications laid down in the bid/contract and that in the event of the equipment being found defective or not conforming to specifications/particulars governing the supply, for a period of minimum one year from the date of supply, he will be held responsible for all losses and that the defective substandard or unacceptable items shall be substituted with the acceptable items at his expenses and cost. Quality and usage warranty/guaranty of each item should be clearly mentioned.

9. ELIGIBILITY & QUALIFICATION CRITERIA

- i. Applicant bidder must be a registered / incorporated company / firm in Pakistan.
- ii. Applicant bidder must be registered with relevant Tax Authorities as per prevailing tax rules.
- iii. Applicant bidder must have a valid registration with relevant allied agencies / organizations / regulatory authorities.
- iv. Applicant bidder or any of its Parent or Subsidiary company should not have been blacklisted or received letter of displeasure by any Provincial or Federal Government Department / Agency / Organization or Autonomous Body or Private Sector Organization anywhere in Pakistan (submission of undertaking on legal stamp paper is mandatory).
- v. Applicant bidder should have proven history of at least three (3) years for providing Generator.

- vi. Applicant bidder should not be a composition or constitution of a joint venture / consortium / association of organizations.
- vii. Applicant bidder must have a verifiable recommendation letter from at least two (02) clients served or being served in public / private sector.
- viii. Applicant bidder must have the required relevant qualified personnel and enough strength to fulfill the obligation of after sale services, warranty etc.

NOTE: Verifiable proof for all the above shall be available. Non-submission may cause disqualification of the bidder for any further process. All bidders must provide a checklist format compliance of the eligibility criteria above.

10. TECHNICAL EVALUATION CRITERIA

- i. The bidders who met the mandatory eligibility and qualification criteria would be evaluated for technical evaluation criteria.
- ii. Bids will be evaluated as per the following weightage:
 - Technical = 60%
 - Financial = 40%
- iii. Bidder must acquire 70% score in technical criteria to qualify for the opening of Financial Bid.
- iv. A point system will be used for technical evaluation, shared in this document.
- v. Bidders not meeting the pass mark limit in technical proposal will be rejected in Technical Evaluation, and its Financial Proposal will not be evaluated. All bidders scoring greater than or equal to 70% of the marks in technical will be accepted in technical proposal, and their financial bids will be opened.

11. FINANCIAL PROPOSAL EVALUATION

- i. Technically qualified/successful bidder(s)/Tenderer(s) shall be called for opening of the Financial Proposal(s). The Financial Proposals will be opened in the presence of the Bidders at the time and venue indicated by the Purchaser accordingly. The technically Eligible/Successful Bidder(s)/Tenderer(s) or their authorized representatives shall be allowed to take part in the Financial Proposal(s) opening.
- ii. The Price evaluation will include all duties, taxes and expenses etc. In case of any exemption of duties and taxes made by the Government in favor of the Purchaser, the contractor shall be bound to adjust the same in the Financial Proposal.
- iii. In cases of discrepancy between the cost/price quoted in Words and in Figures, the lower of the two will be considered.
- iv. The Purchaser will not be responsible for any erroneous calculation of tax rates or any subsequent changes in rates or structure of applicable taxes. All differences arising out as above shall be fully borne by the Successful Bidder.

12. REJECTION / ACCEPTANCE OF THE BID

The Purchaser may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The Purchaser shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals, but shall not be required to justify those grounds. The proposals shall be rejected if it is:

- i. Substantially non-responsive in a manner prescribed in this tender document
- ii. Submitted in other than prescribed forms, annexes, schedules, charts, drawings, documents / by other than specified mode
- iii. Incomplete, un-sealed, un-signed, conditional, alternative, late
- iv. Subjected to interlineations / cuttings / corrections / erasures / overwriting
- v. The Tenderer refuses to accept the corrected Total Tender Price
- vi. The Tenderer has conflict of interest with the Purchaser
- vii. The Tenderer tries to influence the Tender evaluation / Contract award
- viii. The Tenderer engages in corrupt or fraudulent practices in competing for the Contract award
- ix. The Tenderer fails to meet all the requirements of Tender Eligibility / Qualification Criteria
- x. The Tenderer fails to meet the evaluation criteria requirements
- xi. The tenderer has been blacklisted by any public or private sector organization;
- xii. The tenderer has been served any legal notices or displeasure letters by any public sector organization on serious failures to provide satisfactory services
- xiii. The tenderer has mentioned any financial implication(s) in the financial proposal that is in contradiction to this document and Government rules and regulations.
- xiv. There is any discrepancy between bidding documents and bidder's proposal i.e. any non-conformity or inconsistency or informality or irregularity in the submitted bid.
- xv. The Tenderer submits any financial condition as part of its bid which are not in conformity with tender document.
- xvi. Non-submission of verifiable proofs against the mandatory as well as general documentary, qualification and eligibility related requirements.

13. AWARD CRITERIA

Selection will be made on the combine weightage of Technical and Financial Proposals. Weightage factor is as under:

Technical Proposal: 60%,
Financial Proposal: 40%;
Final Total Marks = Technical + Financial

14. ACCEPTANCE LETTER

The Purchaser shall issue the Acceptance Letter to the successful Tenderer, at least after 10 days of announcement of bid evaluation reports and prior to the expiry of the original

validity period or extended validity period of the Tender, which shall constitute a contract, until execution of the formal Contract.

15. PERFORMANCE SECURITY

- i. The successful Tenderer/Contractor shall furnish Performance Security as under:
 - a. Within twenty-eight (28) days of the receipt of the Acceptance Letter from the Purchaser;
 - b. In the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan;
 - c. For a sum equivalent to 10% of the contract value for a year;
 - d. Denominated in Pak Rupees;
 - e. Has a minimum validity period for a year or until the date of expiry of warranty.
- ii. The Performance Security shall be payable to the Purchaser, on occurrence of any / all of the following conditions:
 - a. If the Contractor commits a default under the Contract;
 - b. If the Contractor fails to fulfill the obligations under the Contract;
 - c. If the Contractor violates any of the terms and conditions of the Contract.
- iii. The Contractor shall cause the validity period of the performance security to be extended for such period(s) as the contract may be extended. The Performance Security shall be returned to the Tenderer after the end of warranty period on written request from the Contractor.
- iv. In case the Contractor fails to furnish Performance security in the shape of bank guarantee within the stipulated period given under Letter of Acceptance and subsequent formal contract, or till end of the currency of the said contract, the amount of bank guarantee, as required, shall be deducted from the amount payable to the Contractor.

16. TECHNIAL EVALUATION CRITERIA

| Sr. | Requirements | Points |
|--------------------|--|----------------------------|
| 1 | Company Experience (30) 12+ years 8-12 years 6-8 years 4-5 years Less than 4 years | 30 20 15 10 05 |
| 2 | Financial Strength (Net Worth based on audited financial statement 2020) (15) 10+ million 07-10 million 06-09 million 2-5 million Less than 2 million | 15 11 07 05 01 |
| 3 | No. of Public Clients Served (20) 10+ 6-10 4-6 2-4 1 | 20 15 10 06 02 |
| 4 | Maintenance Labs / Service Centre, Backup Support facilities (15) 6+ 4-6 2-4 1 | 15 10 06 02 |
| 5 | Technical Team Strength (10) For 7+ resources For 04-07 resources Less than 04 resources | 10 07 02 |
| 6 | Valid Authorized Dealership/partnership of quoted brand, etc. (10) Per valid partnership/certification | 10 05 |
| Total Marks | | 100 |

Minimum Qualifying Marks = 70%

17. BID SECURITY (EARNEST MONEY)

- i. The Tenderer shall furnish the Bid Security (Earnest Money) as under:
 - a. For a sum Rs: 75,000 (Seventy-Five Thousand Pak Rupees)
 - b. Denominated in Pak Rupees
 - c. Should not be enclosed within financial bid envelope i.e. should be easily verifiable for compliance of technical evaluation.
 - d. In the form of Demand Draft / Pay Order / Call Deposit Receipt, in the name of the Purchaser; issued by a scheduled bank operating in Pakistan
 - e. Have a minimum validity period of hundred (100) days from the last date for submission of the Tender or until furnishing of the Performance Security, whichever is later.

- ii. The Bid Security shall be forfeited by the PEC, on the occurrence of any / all of the following conditions:
- If the Tenderer withdraws the Tender during the period of the Tender validity specified by the Tenderer on the Tender Form
 - If the Tenderer does not accept the corrections of his Total Tender Price
 - If the Tenderer, having been notified of the acceptance of the Tender by the Purchaser during the period of the Tender validity, fails or refuses to furnish the Performance Security, in accordance with the Tender Document.
- iii. The Bid security shall be returned to the technically unsuccessful Tenderer. The Bid Security shall be returned to the successful Tenderer upon furnishing of the Performance Security.

TECHNICAL SPECIFICATIONS OF THE 15 KVA DIESEL GENERATOR SET

| rpm / Hz | | VOLTAGE |
|--|-----------------------|----------|
| 1500 / 50 | | 400 /230 |
| ENGINE SPECIFICATIONS | | |
| Rated Output (PRP) (1) | 14.0 kWm | |
| Rated Output (ESP) (2) | 15.0 kWm | |
| Engine Make | Perkins or Equivalent | |
| No. of Cylinders | 3 Vertical in-line | |
| Cycle | 4 Storkes | |
| Aspiration | Naturally aspirated | |
| Cooling Method | Water | |
| Governing Type | Mechanical | |
| Battery and Chager Alternator | 12 VDC, 15Amp | |
| AIR SYSTEM | | |
| Air Filter Type | Dry Element | |
| Air Flow | Radiator | |
| FUEL SYSTEM | | |
| Fuel Filter: Split element Fuel filter | | |

| PRIME (1) | | STANDBY (2) |
|------------------------------|------------------------|------------------|
| 14.8 kVA / 11.8 kWe | | 15.8 kVA/12.6kWe |
| EXHAUST SYSTEM | | |
| Muffler Type | Industrial Grade | |
| ALTERNATOR SPECIFICATIONS | | |
| Rated Output (Prime)(1) | 15 KVA | |
| Rated Output (Standby) (2) | 16 KVA | |
| Alternator Make & Model | Stamford Or Equivalent | |
| Number of Poles | 4 | |
| Insulation Class / Temp Rise | H/H | |
| Efficiency @ Rated Voltage | Min 85.00% | |
| Ingress Protection Rating | IP 23 | |
| Excitation System | Self Exicted | |
| AVR | Electronic | |
| ALTERNATOR OPERATING DATA | | |
| Overspeed | 2250 r.p.m | |

| | |
|---|--------------------------|
| Recommended Fuel | Diesel |
| CONTROLLER SPECIFICATIONS | |
| Operation Mode | ATS/ANF |
| Ingress Protection Rating | IP65 |
| Measurement | Vac, A, Hz, kVA, kW, Vdc |
| Event Log | Alarms Log, Hrs log |
| Communication | USB |
| STANDARD MECHANICAL FEATURES | |
| Genset design provides a low noise level with an optimized performance of the ventilation and exhaust systems at 50 °C ambient temperature. | |
| Robust structure design of Enclosure and Baseframe. | |
| Heavy duty lifting lugs | |
| Multi doors for easy access & maintenance | |
| Ingress Protection Rating according to BS EN 60529 | |
| Heavy duty Baseframe with built-in tank & forklift pockets. | |
| Industrial Grade Muffler with rain cap | |
| OTHER FEATURES | |
| 4 Poles manual / Circuit breaker | |
| Jacket water pre-heater | |
| Static Battery Charger | |
| Residential / Critical grade muffler | |
| Fuel Filter / Water separator Fuel Filter | |

| | |
|---|---------------------------------|
| Voltage Regulation | ±1.0% |
| Waveform distortion | No load <3.5%, Linear load < 5% |
| Radio Interface | Standard EN61000-6-2:2001 |
| ENCLOSURE SPECIFICATIONS | |
| Enclosure Type | Acoustic & Weather proof |
| Anticorrosive Protection Polyester Powder Coated Galvanized Sheet | |
| Ingress Protection Rating | IP23 |
| Lifting | ISO Standard lifting |
| Emergency | External Emergency Push Button |
| Canopy RAL Color | RAL Color 2000 |
| Baseframe RAL Color | RAL 9011 |
| Noise Pressure level @ 7m | 70 dB (A) |
| STANDARD ELECTRICAL FEATURES | |
| MCCB power circuit breaker | |
| Battery with charging alternator, cables, and tray | |
| Sealed harness & high resistant electrical connections | |
| Fast and accurate protection response | |
| Generating Set remote start function | |