

Standard Bidding Document

Supply and Installation of D G SET at SLIC Rest House Khanspur Ayubia
Abbottabad
(Goods)

National

Single Stage-One Envelope



September 05, 2026

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REQUEST FOR BIDS

PROCUREMENT OF GOODS

1. The **State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC))** has reserved Funds for the procurement planned for FY **2026-27**. The **State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC))** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the **"Supply and Installation of D G SET at SLIC Rest House Khanspur Ayubia Abbottabad"** with the reference of **"P112573"**
2. The **State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC))** invites sealed Bids from eligible Bidders for procurement of goods described in the bidding documents on **EPADS v2.0**.
3. **Single Stage-One Envelope** will be used by adopting **Least Cost Based Selection (LCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2004 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.
4. All Bids must be accompanied by a Bid Security amounting described in Bid Security Section in Bidding Document in the form of **Pay Order** or all bids must be accompanied by bid securing declaration in the format specified in the Bidding documents
5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **<https://epads.gov.pk/opportunities/federal/procurements/112573>** for all the interested bidders registered on **EPADS v2.0**. Bidders are required to get themselves registered on **EPADS v2.0** to participate in Bidding process.
6. The e-bids, prepared in accordance with the instructions in the e-Bidding Documents, must be submitted through **EPADS v2.0** on or before **Monday,**

September 21, 2026 11:00 AM. E-bids will be opened using **EPADS v2.0** on the same day at **Monday, September 21, 2026 11:30 AM.** Manual submission of Bids shall not be entertained. Those vendors who have not yet registered on the new version of **EPADS v2.0**, may register themselves on <https://vendors.epads.gov.pk/>. A tutorial to explain the registration process is available at <https://www.youtube.com/watch?v=MNW6T38v7tc>

In terms of Rule 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (www.ppra.org.pk).

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Instructions to Bidders

A. Introduction

1.Scope of Bids

1.1 The Procuring Agency (PA), as indicated in the **Bids Data Sheet (BDS)** invites Bids **through EPADS v2.0** for the provision of Goods for as specified in the BDS and **in Section V - Evaluation Criteria, Specifications & Schedule of Requirements**. The name, identification, and number of items/deliverables are provided in the **BDS**. The successful Bidders will be expected to provide the goods within the specified period and timeline(s) as stated in the **BDS**.

2. Source of Funds

2.1 Source of funds is referred in Clause-1 of Invitation for Bids.

3. Eligible Bidders

3.1 A Bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country, or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture, consortium, or association. In the case of a joint venture, consortium, or association, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture, consortium, or association shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture, consortium, or association during the Bidding process, and in case of award of contract, during the execution of the contract.

3.2 Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

3.3 The appointment of Lead Member in the joint venture, consortium, or association shall be confirmed by submission of a valid Power of Attorney to the Procuring Agency.

3.4 Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with

any instructions issued by the Authority.

(The limit on the number of members of JV or Consortium or Association may be prescribed in BDS, in accordance with the guidelines issued by the PPRA).

3.5 The invitation for Bids is open to all prospective suppliers, manufacturers, or authorized agents / dealers subject to any provisions of incorporation or licensing by the respective national incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidders keeping in view the requirement of that business.

3.6 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:

1. are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the Goods to be purchased under this Invitation for Bids.
2. have controlling shareholders in common; or
3. receive or have received any direct or indirect subsidy from any of them; or
4. have the same legal representative for purposes of this Bid; or
5. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bids of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process; or
6. Submit more than one Bid in this Bidding process.

3.7 A Bidder may be ineligible if –

1. he is declared bankrupt or, in the case of company or firm, insolvent;
2. payments in favor of the Bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property;

3. the Bidder is convicted, by a final judgment, of any offence involving professional conduct;

4. the Bidder is blacklisted locally or by international organizations and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of Bid securing declaration.

3.8 As and when required, bidders shall provide to the Procuring Agency evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.

3.9 Bidders shall submit Bids relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract amounting to more than ten (10) percent of the Bid price is envisaged.

4. Eligible Goods and Related Services

4.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services. For purpose of this Bid, ineligible countries are the countries declared ineligible by the Federal Government.

5. One Bid per Bidder

5.1 A bidder shall submit only one Bid, in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.

5.2 The Bidder shall not engage a subcontractor for any portion of the contract if the value of such subcontracting exceeds thirty percent (30%) of the total contract amount.

6. Cost of Bidding

6.1 Any cost incurred by the bidder relating to the preparation and submission of its Bid shall be borne by the bidder, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. Bidding Documents

7. Contents of Bidding Document

7.1 The Goods required, Bidding procedures, and terms and conditions of the contract are prescribed in the Bidding Documents. In addition to the Invitation for Bids, the Bidding documents which should be read in conjunction with any addenda issued in accordance with **ITB 9.1** include:

Section I -Invitation to Bids

Section II Instructions to Bidders (ITB)

Section III Bid Data Sheet (BDS)

Section IV Evaluation Criteria, Specifications, Schedule of Requirements

Section V Bid Forms

Section VI General Conditions of Contract (GCC)

Section VII Special Conditions of Contract (SCC)

Section VIII Contract Forms

7.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding documents. Failure to furnish all the information required in the Bidding documents through **EPADS v2.0** will be at the Bidder's risk and may result in the rejection of his Bids.

8. Clarification of Bidding documents

8.1 A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency through **EPADS v2.0**.

8.2 The Procuring Agency will within three (3) working days after receiving the request for clarification, respond to any request for clarification through **EPADS v2.0** provided that such request is received not later than three (03) days prior to the deadline for the submission of Bids as prescribed in **ITB 22**

8.3 Copies of the Procuring Agency's response will be forwarded to all identified Prospective Bidders through **EPADS v2.0**, including a description of the inquiry, but without identifying its source.

8.4 Should the Procuring Agency deem it necessary to amend the Bidding document as a result of a clarification, it shall do so following the procedure under **ITB 9**.

8.5 If indicated **in the BDS**, the Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting at the place, date and time mentioned **in the BDS**. During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other aspects of the Bidding document.

8.6 Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be uploaded on **EPADS v2.0**. Any modification to the Bidding documents that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to **ITB 9**. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

9. Amendment of Bidding documents

9.1 Before the deadline for submission of Bids, the Procuring Agency for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder or Pre-Bid meeting may modify the Bidding documents by issuing addenda through **EPADS v2.0**.

9.2 The Procuring Agency shall promptly publish the addendum through **EPADS v2.0**.

9.3 Any addendum issued including the notice of any extension of the deadline shall also be communicated through EPADS v2.0 to all the bidders who have already submitted their bids. Such bidders shall have the right to withdraw their already submitted bid and re-submit the revised bid prior to the original or extended bid submission deadline.

9.4 To give prospective Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their Bids, the Procuring Agency may, at its discretion, extend the deadline for the submission of Bids through **EPADS v2.0**:

Provided that the Procuring Agency shall extend the deadline for submission of Bids, if such an addendum is issued within last three (03) days of the Bids submission deadline.

C. Preparation of Bids

10. Language of Bid

10.1 The Bid prepared by the bidder, as well as all correspondence and documents relating to the Bids exchanged by the Bidder and the Procuring Agency shall be written in the English language unless otherwise specified in the BDS. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless otherwise specified in the **BDS**, in which case, for purposes of interpretation of the Bidder, the translation shall govern.

11. Documents and samples Constituting the Bid

11.1 The Bid prepared by the Bidder shall constitute the documents required in the **BDS**.

Details of sample(s) where applicable and requested in the BDS.

1. Documentary evidence established in accordance with ITB that the Bidder is eligible and/or qualified for the subject bidding process;
2. Documentary evidence establish that the Bidder has been authorized by the manufacturer to deliver the goods into Pakistan, where required and where the supplier is not the manufacturer of those goods;
3. Documentary evidence establish that the goods and related services to be supplied by the Bidder are eligible goods and services, and conform to the Bidding Documents;
4. Bid security or Bid Securing Declaration furnished in accordance with **ITB 18**.

12. Documents Establishing Eligibility of the Goods and Conformity to Bidding documents

12.1 To establish the conformity of the bidder to the Bidding document, the Bidder shall furnish as part of its Bids the documentary evidence that Goods provided conform to the technical specifications and standards.

13. Documents Establishing Eligibility and Qualification of the Bidder

13.1 The Bidder shall furnish, as part of its Bid, all those documents establishing the Bidder's eligibility to participate in the Bidding process and/or its qualification to perform the contract if its Bid is accepted.

14. Form of Bids

14.1 The Bidder shall fill the Form of Bid furnished in the Bidding documents. The Bids Form must be completed without any alterations to its format and no substitute shall be accepted.

15. Bids Prices

15.1 The Bids Prices quoted by the Bidder in the Form of Bid and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the Bidding documents.

15.2 All items in the Schedule of Requirement must be listed and priced separately in the Price Schedule(s). If a Price Schedule shows items listed but not priced and neither explicitly denied, their prices shall be construed to be included in the prices of other items.

15.3 Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is still substantially responsive in their absence or due to their nominal nature, the corresponding average price of the respective item(s) of the remaining substantially responsive Bidder(s) shall be construed to be the price of those missing item(s).

15.4 The Bid price to be quoted in the Form of Bid in accordance with **ITB 14.1** shall be the total price of the Bid.

15.5 The Bidder shall indicate on the appropriate Price Schedule, the unit prices (where applicable) and total Bid price of the Goods it proposes to provide under the contract.

15.6 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A Bid submitted with an adjustable price will be treated as non-responsive and shall be rejected.

16. Bids Currencies

16.1 Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS in accordance with Rule 30 (2) of the Public Procurement Rules, 2004.

17. Bids Validity Period

17.1 Bids shall remain valid for the period specified in the **BDS** after the Bid submission deadline prescribed by the Procuring Agency. A Bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive. The period of Bid validity will be determined from the complementary Bid securing instrument, i.e. the expiry period of Bid Security or Bids Securing Declaration as the case may be.

17.2 The procuring agency shall ordinarily be under an obligation to process and evaluate the bid and to issue letter of award within the stipulated bid validity period.

17.3 Under exceptional circumstances, prior to the expiration of the initial Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids only once through **EPADS v2.0**, for the period not more than the period of initial bid validity. The Bid Security provided under **ITB 18** shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security or causing to be executed its Bid Securing Declaration. A Bidder agreeing to the request will not be required nor permitted to modify its Bid, but will be required to extend the validity of its Bid Security or Bid Securing Declaration for the period of the extension.

18. Bid Security or Bid Securing Declaration

18.1 The Bidder shall furnish as part of its Bid, a Bid Security in accordance with Rule 25 of the Public Procurement Rules, 2004.

18.2 The original Bid Security shall be enclosed within the sealed envelope and to be submitted physically before closing time for submission of bids. Whereas, scanned copy of bid security shall be uploaded electronically through EPADS v2.0 before closing hours for submission of bids.

18.3 The Bidder who failed to submit the original Bids security before the submission deadline shall be disqualified straightaway.

18.4 The Bid Security or Bid Securing Declaration is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to **ITB 18.7**.

18.5 The Bid Security shall be denominated in the local currency, and it shall be a Bank Draft in the name of the Procuring Agency and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period

for Bids/Bid Validity is extended. In either case, the form must include the complete name of the Bidder.

18.6 The Bid Security shall be payable promptly upon written demand by the Procuring Agency in case any of the conditions listed in **ITB 18** are invoked.

18.7 Unsuccessful Bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bids Validity prescribed by the Procuring Agency pursuant to **ITB 17**. The Procuring Agency shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest:

- a. the expiry of the Bid Security;
- b. the entry into force of a procurement contract and the provision of a Performance Guarantee, for the performance of the contract if such a guarantee, is required by the Bid documents;
- c. the rejection by the Procuring Agency of all Bids;
- d. the withdrawal of the Bids prior to the deadline for the submission of Bids, unless the Bids documents stipulate that no such withdrawal is permitted.

18.8 The successful Bidder's Bids Security will be discharged upon the Bidder signing the contract, or furnishing the Performance Guarantee.

18.9 The Bid Security may be forfeited or the Bid Securing Declaration executed:

- a. if a Bidder:
- b. withdraws its Bid during the period of Bid Validity as specified by the Procuring Agency, and referred by the Bidder on the Form of Bids except as provided for in **ITB 17.2**; or
- c. does not accept the correction of errors; or
- d. in the case of a successful Bidder, if the Bidder fails:
- e. to sign the contract; or
- f. to furnish Performance Guarantee.

19. Withdrawal, Substitution, and Modification of Bid

19.1 Before Bid submission deadline, any Bidder may withdraw, substitute, or modify its Bid after it has been submitted through EPADS v2.0. Bids requested to be withdrawn, shall be returned unopened to the Bidders through **EPADS v2.0**.

20. Format and Signing of Bid

20.1 The Bidder shall prepare and submit Bids with due diligence after carefully reading all the terms and condition **before bid submission deadline** through EPADS v2.0.

D. Submission of Bids

21. Submission of Bids through EPADS v2.0

21.1 The Technical and Financial Bids if required to submitted, shall be submitted on **EPADS v2.0**.

22. Deadline for Submission of Bids

22.1 Bids shall be received by the Procuring Agency through **EPADS v2.0** before bid submission deadline.

22.2 The Procuring Agency may, under exceptional circumstances, extend the deadline for the submission of Bids, after recording reasons in writing and in an equal opportunity manner.

In such case, all rights and obligations of the Procuring Agency and the Bidders that were previously governed by the original deadline shall thereafter be subject to the revised deadline.

E. Opening and Evaluation of Bids

23. Opening of Bids

23.1 The Bid Evaluation Committee of the Procuring Agency shall open all Bids through the EPADS v2.0, on the date and time specified in the Bid Data Sheet (BDS).

23.2 The Bid Evaluation Committee **shall generate minutes through EPADS v2.0 containing brief details of bid opening process.** The record of the Bid opening shall include, as a minimum: the name of the Bidder, the Bid price if applicable, and the presence or absence of a Bid Security or Bid Securing Declaration.

23.3 The procuring agency shall live broadcast the opening of bids on national media or on their website or digital channels, if the volume of procurement exceeds five hundred million rupees in case of goods and services and one thousand million rupees in case of works.

23.4 In case the date of opening of bid has been declared as public holiday or the procuring agency fail to open bid due to any EPADS v2.0 related issues, the submission and opening of bids shall be shifted to the next working day on the same time.

23.5 In case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid and, the presence or absence of Bid Security, Bid Securing Declaration and such other details as the Procuring Agency may consider appropriate, will be announced by the Bid Evaluation Committee.

24. Clarification of Bids

24.1 To assist in the examination, evaluation and comparison of Bids of the Bidders, the Procuring Agency may, ask any Bidder for a clarification of its Bid including breakdown of prices.

24.2 The request for clarification and the response shall be sought through EPADS v2.0 **before three days prior to the deadline for submission of bids.** No change in the prices or substance of the Bids shall be sought, offered, or permitted.

24.3 The alteration or modification in the BIDS which in any way affect the following parameters will be considered as a change in the substance of a Bids:

1. evaluation & qualification criteria;
2. required scope of work or specifications;
3. all securities requirements;
4. tax requirements;

5. terms and conditions of Bidding documents.

6. change in the ranking of the Bidder

24.4 From the time of Bids opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bids it should do so through **EPADS v2.0**.

25. Preliminary Examination of Bids

25.1 Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid:

1. meets the eligibility criteria defined in **ITB 3**;
2. has been prepared as per the format and contents defined by the Procuring Agency in the Bidding documents;
3. is accompanied by the required securities; and
4. is substantially responsive to the requirements of the Bidding documents.

25.2 The Procuring Agency's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

25.3 A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one that: -

1. affects in any substantial way the scope, quality, or performance of the Goods;
2. limits in any substantial way, inconsistent with the Bidding documents, the Procuring Agency's rights or the Bidders obligations under the Contract; or
3. if rectified, would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

25.3 If a Bids is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be evaluated for complete technical responsiveness.

26. Examination of Terms and Conditions; Technical Evaluation

26.1 The Procuring Agency shall examine the Bids to confirm that all terms and conditions specified in the **GCC** and the **SCC** have been accepted by the Bidder without any material deviation or reservation.

26.2 The Procuring Agency shall evaluate the technical aspects of the Bids submitted, to confirm that all requirements specified in Schedule of Requirements and Technical Specifications of the Bidding documents have been met without material deviation or reservation.

26.3 If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not substantially responsive in accordance with **ITB 25.2**, it shall reject the Bid.

27. Correction of Errors

27.1 Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

1. if there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the Procuring Agency there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;
2. if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and
3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bids, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

27.2 The amount stated in the Bid will, be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bids Securing Declaration may be executed.

28. Conversion to Single Currency

28.1 To facilitate evaluation and comparison, the Procuring Agency will convert all Bids prices expressed in the amounts in various currencies in which the Bids prices are payable. For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate prevailing on the date of opening of financial bids specified in the bidding documents, in accordance with weighted average customer exchange rates list issued by the State Bank of Pakistan on that day.

29. Evaluation of Bids

29.1 The Bids, quotations, or proposals shall be evaluated by the respective evaluation committees as per evaluation criteria described in the Bidding Documents in accordance with Rule 29 and 30 of the Public Procurement Rules, 2004.

1. Least Cost Based Selection (LCBS)

After meeting the requirements of eligibility, qualification and substantial responsiveness, the bid in compliance with all the mandatory (technical) specifications/requirements and/or requisite quality threshold (if any), and having lowest evaluated cost (or financial proposal) shall be considered Successful Bid.

2. Quality and Cost Based Selection (QCBS)

In such combination, there shall be some specific weightage of both the technical features and financial aspects of the proposal. The financial marks shall be awarded on the basis of inverse proportion calculations. The successful bid shall be declared, on the basis of combined evaluation.

3. Quality Based Selection (QBS)

After meeting the requirements of eligibility, qualification and substantial responsiveness the bid in compliance with all the mandatory (technical) specifications/requirements and attaining highest marks in the Technical Evaluation considering all other qualitative and/or quantitative parameters (or point rated criteria) for technical proposal(s) such as working methodology, implementation plan, resource allocation, additional functionalities, risk management approach, knowledge transfer techniques, post implementation methodology etc. shall be treated as highest ranked bid. Later on, the financial proposal of highest ranked bidder shall be opened, however, in case of failure to proceed further with such a bidder, the procuring agency may resort to second

highest bidder and so on.

29.2 In case of tie of bids, the bidders shall be provided an opportunity to offer their best and final monetary offer through EPADS v2.0. However, in no case the rates shall be higher than the original financial bids.

30. Domestic Preference

30.1 The procuring agency shall evaluate and compare bids, allow for preference to domestic bidders, while competing with the international bidders in accordance with the policies of Federal Government.

The percentage of preference, to be accorded shall be clearly mentioned in the bidding documents under the bid evaluation criteria.

31. Determination of Successful Bid

31.1 Selection technique will be adopted for determining the Successful Bid in accordance with the criteria referred in the BDS or prescribed in the separate section titled as Evaluation Criteria.

31.2 In case where the Procuring Agency adopts the Cost Based Evaluation Technique and, the Bid with the lowest evaluated price from amongst those which are eligible, compliant and substantially responsive shall be the Successful Bid.

31.3 The Procuring Agency may adopt the Quality & Cost Based Selection Technique due to the following two reasons:

1. Where the Procuring Agency knows about the main features, usage and output of the products; however not clear about the complete features, technical specifications and functionalities of the goods to be procured and requires the bidders to submit their proposals defining those features, specifications and functionalities; or
2. Where the Procuring Agency, in addition to the mandatory requirements and mandatory technical specifications, requires parameters specified in Evaluation Criteria to be evaluated while determining the quality of the goods.

31.4 In such cases, the Procuring Agency may allocate certain weightage to these factors as a part of Evaluation Criteria, and may determine the ranking of the bidders on the basis of combined evaluation in accordance with provisions of Rule 2(1)(h) of the Public Procurement Rules, 2004.

32. Abnormally Low Financial Bids

32.1 Where the Bid price is considered to be abnormally low, the Procuring Agency shall perform price analysis either during determination of Successful Bids or as a part of the post-qualification process.

32.2 The Procuring Agency may reject an Abnormally low financial bids.

32.3 In order to identify the Abnormally Low Bids (ALB) following approaches can be considered to minimize the scope of subjectivity:

1. Comparing the Bids price with the cost estimate;
2. Comparing the Bids price with the Bids offered by other Bidders submitting substantially responsive Bids; and
3. Comparing the Bids price with prices paid in similar contracts in the recent past either government- or development partner-funded.

32.4 The Procuring Agency will determine to its satisfaction whether the Bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily.

32.5 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Procuring Agency deems necessary and appropriate. Factors not included in these Bidding documents shall not be used in the evaluation of the Bidders' qualifications.

32.6 Procuring Agency may seek "Certificate for Independent Price Determination" from the Bidder and the results of reference checks may be used in determining an award of contract.

Explanation: The Certificate shall be furnished by the Bidder. The Bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.

32.7 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's Bids, in which event the Procuring Agency will proceed to the next ranked Bidder to make a similar determination of that Bidder's capabilities to

perform satisfactorily.

F. Award of Contract

33. Criteria of Award

33.1 The Procuring Agency will award the Contract to the Bidder whose Bids has been determined to be substantially responsive to the Bidding documents and who has been declared as Most Advantageous Bidder.

34. Negotiations

34.1 The procuring agency shall not engage in negotiations with respect to scope and price with the bidder except when the procuring agency conducts a procurement using direct **or negotiated** contracting or a request for proposals with evaluation based on quality alone.

34.2 The procuring agency may negotiate with the most advantageous bid with a view to streamline the work or task execution, at the time of contract finalization on methodology, work plan, staffing, finalizing payment arrangements, delivery arrangements, minor amendments to the special conditions of the contract.

35. Procuring Agency Right to reject all bids

35.1 The Procuring Agency reserves the right to reject all bids or proposals at any time prior to the issuance of the Letter of Award, without incurring any liability, in accordance with Rule 33 of the Public Procurement Rules, 2004.

36. Procuring Agency's Right to Vary Quantities at the Time of Award

36.1 The Procuring Agency reserves the right at the time of contract award to increase or decrease the **quantity of** Goods originally specified in these Bidding documents provided this does not exceed **by** 15%, without any change in unit price or other terms and conditions of the Bids and Bidding documents.

37. Notification of Award

37.1 Prior to the award of contract, the procuring agency shall announce and publish the result of bid evaluation on **EPADS v2.0** in accordance with Rule 35

of the Public Procurement Rules, 2004.

37.2 The Bidder whose Bids has been accepted will be notified of the award by the Procuring Agency prior to expiration of the Bids/Bid Validity period. The Letter of Award will state the sum that the Procuring Agency will pay the successful Bidder in consideration for the delivery of Goods as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

37.3 The Letter of award will constitute the formation of the Contract, subject to the Bidder furnishing the Performance Guarantee and signing of the contract.

38. Signing of Contract

38.1 Promptly after issuance of Letter of award, Procuring Agency shall send the successful Bidder the draft Contract, incorporating all terms and conditions as agreed by the parties to the contract.

38.2 Immediately after the Redressal of grievance by the GRC (if any), mandatory standstill period in accordance with Rule 35 of the Public Procurement Rules, 2004 and **after fulfillment of all condition's precedent** of the Contract Form, the successful Bidder and the Procuring Agency shall sign the Contract.

39. Corrupt & Fraudulent Practices

39.1 Procuring Agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

F. Grievance Redressal & Complaint Review Mechanism

40. Constitution of Grievance Redressal

40.1 The Grievance Redressal Committee shall address the grievance, if any submitted by any party, including the bidder, in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

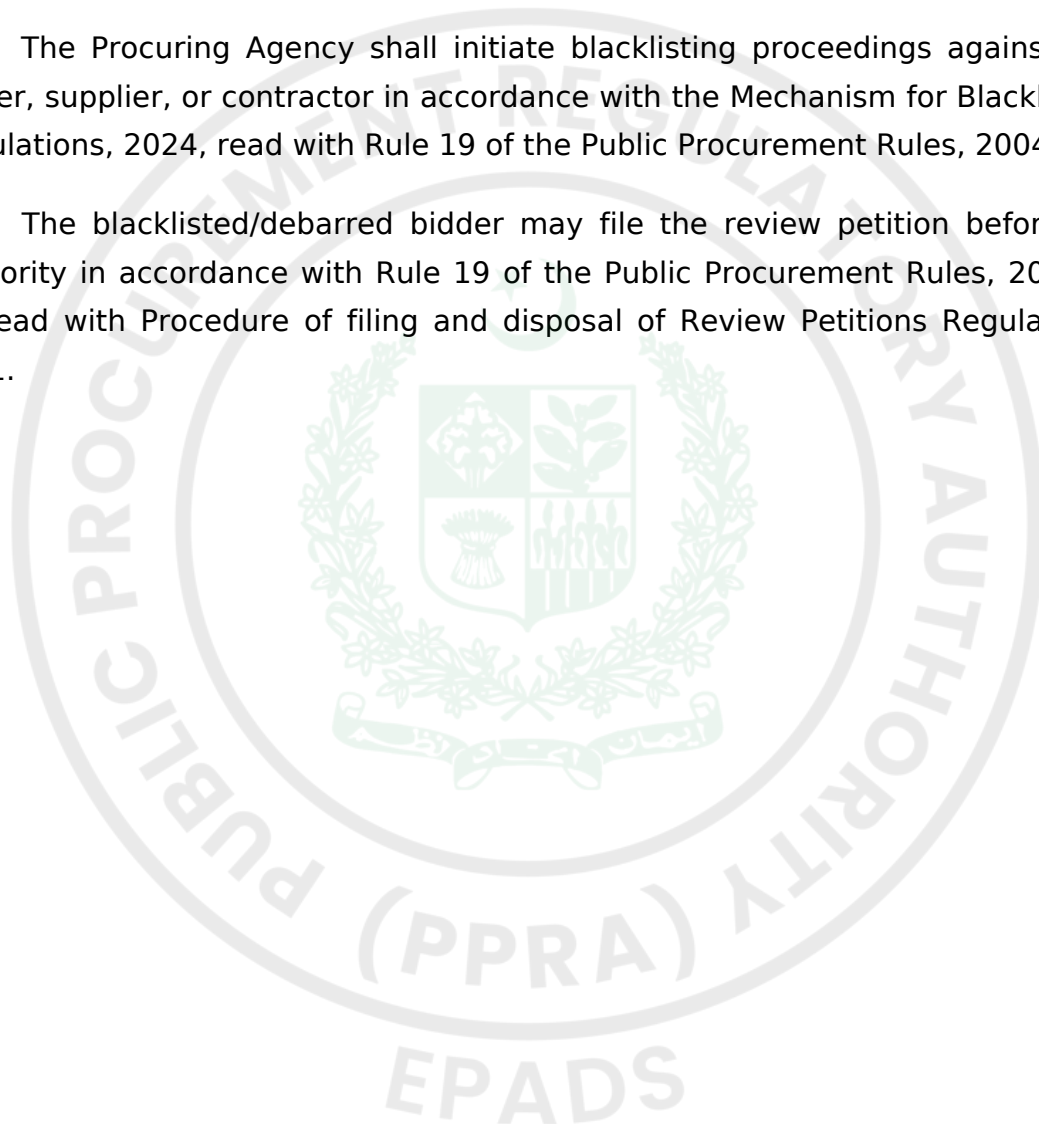
40.2 In case if any party or the bidder is not satisfied with the decision of the GRC or if it fails to decide within ten days, the bidder or the party may file an appeal before the Appellate Committee of the Authority in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

G. Mechanism of Blacklisting

41. Mechanism of Blacklisting

41.1 The Procuring Agency shall initiate blacklisting proceedings against any bidder, supplier, or contractor in accordance with the Mechanism for Blacklisting Regulations, 2024, read with Rule 19 of the Public Procurement Rules, 2004.

41.2 The blacklisted/debarred bidder may file the review petition before the Authority in accordance with Rule 19 of the Public Procurement Rules, 2004 to be read with Procedure of filing and disposal of Review Petitions Regulations, 2021.





Bid Data Sheet

Bids Data Sheet (BDS)

The following specific data for the procurement of Goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

BDS Clause Number

ITB Number

Amendments of, and Supplements to, Clauses in the Instruction to Bidders

A. Introduction

BDS Clause Number 1

ITB Number 1.1

Name of Procuring Agency: **State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC))**

The subject of procurement is: **Supply and Installation of D G SET at SLIC Rest House Khanspur Ayubia Abbottabad**

Expected commencement date: **Friday, October 30, 2026**

BDS Clause Number 2

ITB Number 2.1

Financial year for the operations of the Procuring Agency: **2026-27**

Name and identification number of the Contract: **P112573**

BDS Clause Number 3

ITB Clause Number 3.1

JV/Consortium or Association Allowed: **No**

Number of JV/Consortium Members: **Nil**

see section of eligibility criteria.

B. Bidding Documents

BDS Clause Number 4

ITB Number 8.1

The Bidders may seek clarifications through **EPADS v2.0** : Clarification Date: Tuesday, September 15, 2026

C. Preparation of Bids

BDS Clause Number 5

ITB Number 10.1

The Language of all correspondences and documents related to the Bids shall be in: **English**

List of documents required along with the bid:

1. AS PER MANDATORY REQUIREMENTS OF THE TENDER DOCUMENT

BDS Clause Number 6

ITB Number 11.1

Items/Lots and therrre related documents:

See section items and Lots

BDS Clause Number 7

ITB Number 12.1

Items / Lots Specifications:

see section of items specifications.

BDS Clause Number 8

ITB Number 15.6

The price shall be **Fixed**.

BDS Clause Number 9

ITB Number 16.1

Currency of the Bids shall be : **PKR**

BDS Clause Number 10

ITB Number 17.1

The Bids/Bid Validity period shall be: **120 Days**

BDS Clause Number 11

ITB Number 18.1

The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in **BDS 6**

The Bid Security shall be in the form of: **Pay Order**

D. Submission of Bids

BDS Clause Number 12

ITB Number 20.1

Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following;

Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory before bid submission deadline.

Bids that are not submitted on EPADS v2.0 shall be disqualified.

The deadline for Bids submission is: **Monday, September 21, 2026 11:00 AM**

E. Opening and Evaluation of Bids

BDS Clause Number 13

ITB Number 23.1

The Bids opening shall take place on **EPADS v2.0**.

Day : **Monday**

Date: **Monday, September 21, 2026**

Time : **11:30 AM**

BDS Clause Number 14

ITB Number 31.1

Selection technique adopted will be: **Least Cost Based Selection (LCBS)**
see Evaluation Criteria

F. Review of Procurement Decisions

BDS Clause Number 15

ITB Number 41.1

Grievence against this procurement shall be submitted online on EPADS v2.0.

Arbitrator shall be appointed by mutual consent of the both parties.



Eligibility Criteria

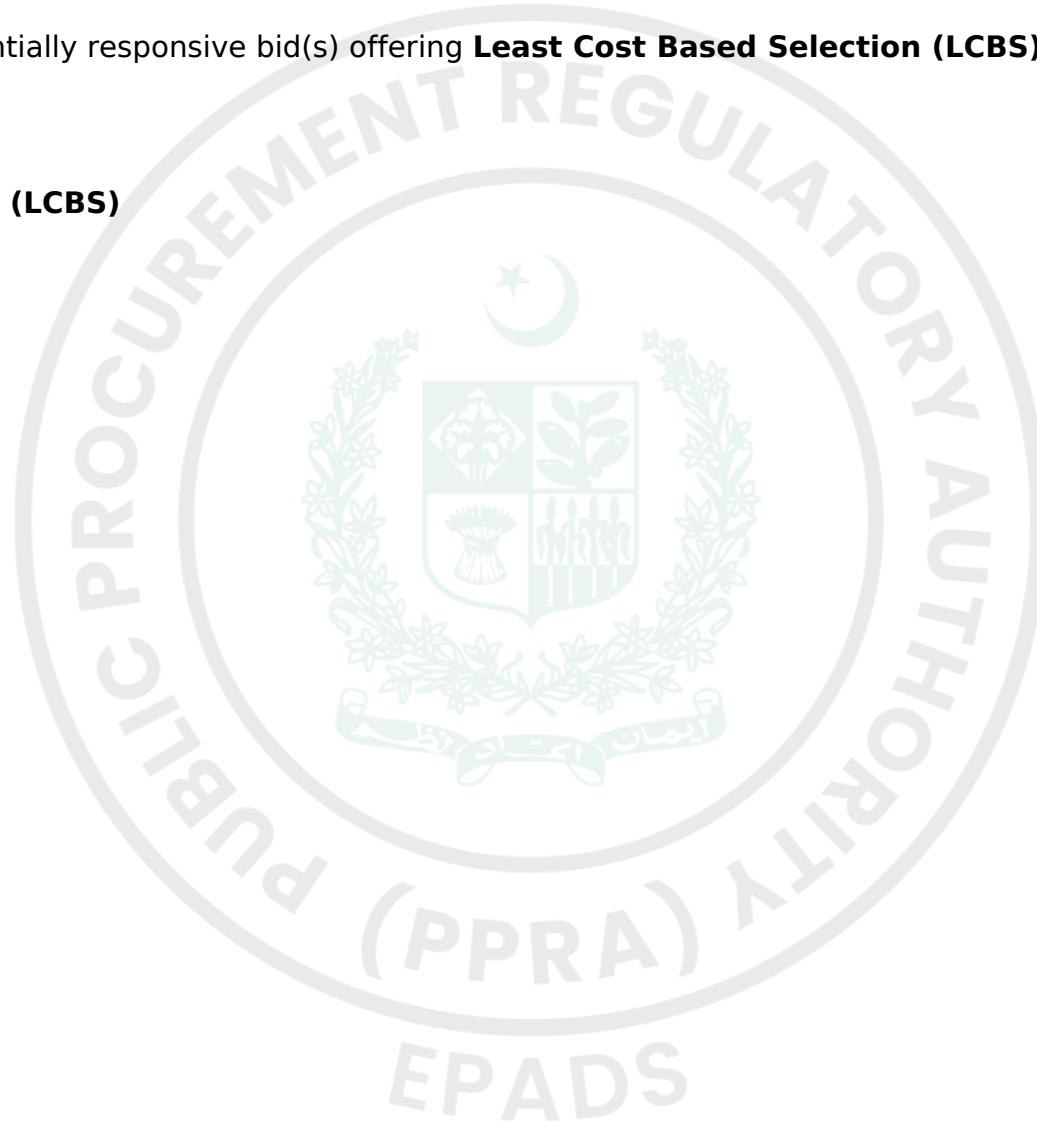
Bidder's Type	Required Registration
Individual / Individual Consultant	FBR (NTN)
Sole Proprietorship	FBR (GSTN)
Company (Private Limited)	PEC
Company (Public Limited)	

Eligibility Criteria	Document
MANDATORY REQUIREMENTS i. GST, SST, NTN Certificate PEC OR License to Electrical Contractor (Electric Inspector Govt. of KPK). ii. Affidavit that the firm/ company is not black listed by any Government/Semi Government/ MNCs and private organizations. iii. Authorized distribution/ Dealer/ OEM certificate from international reputed manufacturer. iv. Company Profile v. Years of Experience related to subject works up to 5 years. (Attach proof). SST/GST registration date and filer status will d	Yes

Evaluation Criteria

Eligible bidder(s) with substantially responsive bid(s) offering **Least Cost Based Selection (LCBS)** shall be consider for the award of contract(s).

Least Cost Based Selection (LCBS)



Items/Lots

Lot Title : COMPLETE

Bid Security : 86000 PKR

Item	UNSPSC	Delivery Schedule	Quantity	Sample Quantity	Manufacturer / Dealer Authorization	Warranty
D.G.SET SUPPLY 20KVA	Diesel generators	Address: Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory Schedule: 27 Days Quantity: 1/job	1 / job	--	--	--
INTALLATION TESTEING COMMISSIONING	Diesel generators	Address: Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory Schedule: 27 Days Quantity: 1/job	1 / job	--	--	--

Related Services of Goods:

No



Items/Lot Specification

Lot Title : COMPLETE

Item: D.G.SET SUPPLY 20KVA

UNSPSC: Diesel generators

Specifications / Requirements:

supply and installation of D G SET as per TENDER Document

Item: INTALLATION TESTEING COMMISSIONING

UNSPSC: Diesel generators

Specifications / Requirements:

As per Tender Document

Price Schedule

For Individual Items

#	Item Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		





General Conditions of Contract

A. General

1. Definitions

1.1 Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

- a. "Applicable Law" means the laws and any other instruments having the force of law in the Government's Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;
- b. "Procuring Agency" means:-
 - a. any Ministry, Division, Department or any Office of the Government;
 - b. any authority, corporation, body or organization established by or under a Law or which is owned or controlled by the Government;
- c. "The Contract" means an agreement enforceable by law;
- d. "The Contract Price" means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations;
- e. "Ancillary Services" means those services ancillary to the provision of Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Bidder covered under the Contract;
- f. "GCC" means the General Conditions of Contract contained in this section;
- g. "SCC" means the Special Conditions of Contract by which the GCC may be amended or supplemented;
- h. "Day" means calendar day unless indicated otherwise.
- i. "Effective Date" means the date on which this Contract comes into force and effect.
- j. "The Bidder" means the individual or corporate body whose Bids to provide the Goods has been accepted by the Procuring Agency;
- k. "The Project Site," where applicable, means the place or places named in Bids Data Sheet and technical Specifications;
- l. "Government" means the Government of Pakistan;
- m. "Subcontractor" means any entity to which the Bidder subcontracts any part of the Goods.
- n. "Service" means any object of procurement other than goods or works;
- o. "Party" means the Procuring Agency or the Bidder, as the case may be, and "Parties" means both of them;
- p. "Foreign Currency" means any currency other than the currency of the country of the Procuring Agency;

q. "Completion Date" means the date of completion of the contract by the Bidder as certified by the Procuring Agency;

r. "In Writing" means communicated in written form with proof of receipt;

s. "Local Currency" means the currency of Pakistan;

2. Application and Interpretation

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

2.2 In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.

3. Applicable Law

3.1 The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

4. Governing Language

4.1 The Contract as well as all correspondence and documents relating to the Contract exchanged between the Bidder and the Procuring Agency, shall be written in the **English language** unless otherwise stated in the **SCC**. Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5. Notices

5.1 Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the **SCC**.

6. Delivery/Location

6.1 The Goods shall be delivered to such locations as the Procuring Agency may approve and as specified in **SCC**.

7. Authorized Representatives / Authority of Member in charge

7.1 Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Bidder may be taken or executed by the officials specified in the **SCC**.

B. Commencement, Completion, Modification, and Termination of Contract

8. Effectiveness of Contract

8.1 This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the **SCC**.

9. Commencement of Services

9.1 The Bidder shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

10. Program

10.1 Before commencement of the Services, the Bidder shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

11. Starting Date/Expiration Date

11.1 The Bidder shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the SCC.

11.2 Unless terminated earlier pursuant to Clause **GCC 15** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

12. Entire Agreement

12.1 This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

13. Modification

13.1 Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any Bids for modification or variation made by the other Party.

13.2 In cases of any modifications or variations, the prior written consent of the Procuring Agency is required.

14. Force Majeure

14.1 Definition

For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party and which makes a Party’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

14.2 No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

14.3 Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result

of Force Majeure.

14.4 Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Bidder shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

15. Termination

15.1 By the Procuring Agency

The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Bidder in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

- a. If the Bidder fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;
- b. If the Bidder becomes (or, if the Bidder consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;
- c. If the Bidder fails to comply with any final decision reached as a result of arbitration proceedings;
- d. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;
- e. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

15.2 By the Bidder

The Bidder may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

- a. If the Procuring Agency fails to pay any money due to the Bidder pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Bidder that such payment is overdue.
- b. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days.
- c. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration.
- d. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Bidder's notice specifying such breach.

C. Obligations of the Bidder

16. General

16.1 Standard of Performance

1. The Bidder shall deliver the product and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Bidder shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties.

16.2 Law Applicable to Goods

The Bidder shall deliver the goods in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

17. Conflict of Interests

17.1 Bidder Not to Benefit from Commissions and Discounts.

The remuneration of the Bidder shall constitute the Bidder's sole remuneration in connection with this Contract or the Services, and the Bidder shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Bidder shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

17.2 Bidder and Affiliates Not to be Otherwise Interested in Project

The Bidder agree that, during the term of this Contract and after its termination, the Bidder and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Goods for any project resulting from or closely related to the Services.

17.3 Prohibition of Conflicting Activities

Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

- a. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;
- b. during the term of this Contract, neither the Bidder nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

18. Confidentiality

18.1 Except with the prior written consent of the Procuring Agency, the Bidder and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the contract.

19. Insurance to be Taken Out by the Bidder

19.1 The Bidder(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Subcontractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, loss or damage, and for the coverage, as shall be specified in the SCC; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums have been paid.

20. Bidder's Actions Requiring Procuring Agency's Prior Approval

20.1 The Bidder shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

- (a) appointing such members of the Personnel not provided by the Bidder;
- (b) changing the Program of activities; and
- (c) any other action that may be specified in the SCC.

21. Reporting Obligations

21.1 The Bidder shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

22. Liquidated Damages

22.1 If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the performance security (or guarantee) specified in SCC. Once the said maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to **GCC Clause 15**.

22.2 Correction for Over-payment

If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Bidder by adjusting the next payment certificate. The Bidder shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in SCC.

22.3 Lack of performance penalty

If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Bidder. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the SCC.

23. Performance Guarantee

23.1 Within Seven (07) days from the issuance of acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape of ----- at the discretion of the PA in the amount **specified in SCC**. In case the amount of Bids security is equal or greater than

23.2 The proceeds of the Performance Guarantee shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

23.3 The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in SCC.

23.4 The Performance Guarantee will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC**.

24. Fraud and Corruption

24.1 The Procuring Agency requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the Bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

25. Sustainable Procurement

25.1 The Bidder shall conform to the sustainable procurement contractual provisions, if and as specified in the SCC.

D. Bidder's Personnel

26. Description of Personnel

26.1 The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Bidder's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

27. Removal and/or Replacement of Personnel

27.1 Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Bidder, it becomes necessary to replace any of the Key Personnel, the Bidder shall provide as a replacement a person of equivalent or better qualifications.

27.2 If the Procuring Agency finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Bidder shall, at the Procuring Agency's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Agency.

27.3 The Bidder shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Procuring Agency

28. Assistance and Exemptions

28.1 The Procuring Agency shall use its best efforts to ensure that the Government shall provide the Bidder such assistance and exemptions as specified in the SCC.

29. Change in the Applicable Law

29.1 If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the related Services rendered by the Bidder, then the remuneration and reimbursable expenses otherwise payable to the Bidder under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the SCC.

30. Services and Facilities

30.1 The Procuring Agency shall make available to the Bidder and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described , at the times and in the manner specified in the SCC or terms of reference.

30.2 In case that such services, facilities and property shall not be made available to the Bidder, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Bidder for the performance of the Services, (ii) the manner in which the Bidder shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Bidder as a result thereof.

F. Payments to the Bidder

31. Contract Price

31.1 The price payable shall be in Pakistani Rupees unless otherwise specified in the SCC. Prices charged by the Supplier for Goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its Bid.

32. Terms and Conditions of Payment

32.1 Payments will be made to the Bidder according to the payment schedule stated in the SCC and as per actual invoice submitted by the Bidder.

32.2 Unless otherwise stated in the SCC, the advance payment shall be made against the provision by the Bidder of a bank guarantee for the same amount, and shall be valid for the period stated in the SCC. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Bidder have submitted an invoice to the Procuring Agency specifying the amount due.

33. Currency of Payment

33.1 Any payment under this Contract shall be made in the currency(ies) specified in the SCC.

G. Quality Control

34. Identifying Defects

34.1 The principle and modalities of Inspection of the Goods by the Procuring Agency shall be as indicated in the SCC. The Procuring Agency shall check the Bidder's performance and notify him of any Defects that are found. Such checking shall not affect the Bidder's responsibilities. The Procuring Agency may instruct the Bidder to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the SCC.

35. Correction of Defects, and

Lack of Performance Penalty

35.1 The Procuring Agency shall give notice to the Bidder of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

35.2 Every time notice a Defect is given, the Bidder shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

35.3 If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the Bidder will pay this amount, and a Penalty for Lack of Performance.

36. Taxes and Duties

36.1 A Supplier shall be entirely responsible for all taxes, duties, fees, etc., incurred until delivery of the contracted Goods to the Procuring Agency.

H. Settlement of Disputes

37. Alternate Dispute Resolution

37.1 The disputes between the parties to the contract may be settled in accordance with Public Procurement Rules, 2004.

37.2 The procuring agency shall refer the matter to the Chief Justice Islamabad High Court or Managing Director PPRA or the Secretary Ministry of Law & Justice for appointment of Arbitrator.

37.3 The fee for the Arbitrator shall be specified in Pak Rupees as determined by the appointing authority which shall be borne and shared equally by the contracting parties.



Special Conditions of Contract

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract

Number of GC Clause 1

Definitions

The Procuring Agency is: State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory

The Supplier is:

The title of the subject procurement is: Supply and Installation of D G SET at SLIC Rest House Khanspur Ayubia Abbottabad

Number of GC Clause 3

Applicable/Governing Law:

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 4

Language:

The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in **English**.

Number of GC Clause 5

Notices:

The addresses for the notices are:

Procuring Agency:

State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager
Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory
+92-333-528-7425
re.isb@statelife.com.pk

Contractor/ Bidder:

[Name, address and telephone number].

The Contractor/ Bidder's Representative(s)

[Name, address, telephone number and e-mail address]

Number of GC Clause 7.1

The Authorized Representatives are:

For the Procuring Agency:

State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager
Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory
+92-333-528-7425
re.isb@statelife.com.pk

For the Bidder:

Name:

Designation:

Address:

Number of GC Clause 8

Effectiveness of the contract

Number of GC Clause 9

Commencement of Contract:

Number of GC Clause 11.2

Expiration of Contract:

Number of GC Clause 15

Termination

In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.

Number of GC Clause 17

Conflict of Interest:

The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17.

Number of GC Clause 22

Liquidated Damages

If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of **0.01% to 10.00%** of the Contract value, in accordance with the extent of performance failure & the cost of investigating such incidents as judged by the Authority.

Number of GC Clause 23

Performance Guarantee:

The amount of performance guarantee shall be **0%** of the contract price in acceptable form of **Nil**

Number of GC Clause 32

Payment terms:

Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.

Number of GC Clause 33

Currency of Payment:

All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.

Number of GC Clause 34

Identifying Defects:

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

Inspections & Tests Requirements

For being Brand New, bearing relevant reference numbers of the equipment (Certificate from supplier)

For Physical Fitness having No Damages (Certificate from supplier)

For the Country of Origin as quoted by the Supplier (Certificate from manufacturer)

For conformance to specifications and performance parameters, through Prior to delivery inspection (Inspection Report by Procurement Committee / Inspection Team)

For successful operation at site after complete installation, testing and commissioning of the equipment (Installation, Testing and Commissioning Report by Procurement Committee / Inspection Team)

AS PER MANUFACTURER'S TECHNICAL DATA (To be filled - in and signed by the Tenderer) AS MENTIONED IN THE TENDER DOCUMENT

Delivery & Documents

Manufacturer's or Supplier's Valid Warranty Certificate;

Inspection Certificate issued by the Nominated Inspection Agency (if any), and the Supplier's Factory Inspection Report;

Certificate of Origin.

The above documents would be required even if the equipment has already been imported and is available with the supplier ex-stock

Number of GC Clause 37

Following is the guidance for Dispute Resolution

- i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract, including without prejudice to the generality of foregoing, any question regarding its existence, validity, termination and the execution of the Contract – whether during developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual diligent negotiations in good faith within 14 (fourteen) days following a notice sent by one Party to the other Party in this regard.
- ii. At future of negotiation the dispute shall be resolved through mediation and mediator shall be appointed with the mutual consent of the both parties.
- iii. At the event of failure of mediation to resolve the dispute relating to this contract such dispute shall finally be resolved through binding Arbitration by sole arbitrator in accordance with Arbitration Act 1940. The arbitrator shall be appointed by mutual consent of the both parties. The Arbitration shall take place in Islamabad, Pakistan and proceedings will be conducted in English language.
- iv. The cost of the mediation and arbitration shall be shared by the parties in equal proportion however the both parties shall bear their own costs and lawyer's fees regarding their own participation in the mediation and arbitration. However, the Arbitrator may make an award of costs upon the conclusion of the arbitration making any party to the dispute liable to pay the costs of another party to the dispute.
- v. Arbitration proceedings as mentioned in the above clause regarding resolution of disputes may be commenced prior to, during or after completion of the contract.

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Authority shall pay the Bidder any monies due to the Bidder.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder who is a national of the Islamic Republic of Pakistan arising in connection with the present Contract shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan including Arbitration Act 1940, however above provision shall prevail in referring the case to the Arbitrator.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place of arbitration shall be at Islamabad. The award of the arbitrator shall be final and shall be binding on the parties.



Bid Securing Declaration

Form 9: Bid Securing Declaration

Date: *[insert date (as day, month and year)]*

Bid No.: **P112573**

To: **State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory**

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;
2. Disagreement to arithmetical correction made to the Bid price; or
3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.



Contract Form

SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the ____ day of _____ 20____ between **State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory**

(hereinafter called “the Procuring Agency”) of the one part and [name of Bidder] of [city and country of Bidder] (hereinafter called “the Bidder”) of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **Supply and Installation of D G SET at SLIC Rest House Khanspur Ayubia Abbottabad (P112573)** and has accepted a Bids by the Bidder for the provision of Goods in the sum of [contract price in words and figures] (hereinafter called “the Contract Price”).

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency’s Letter of Acceptance; and
8. [add here: any other documents]

3. In consideration of the payments to be made by the Procuring Agency to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Procuring Agency to provide the Goods related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Bidder in consideration of the provision of Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

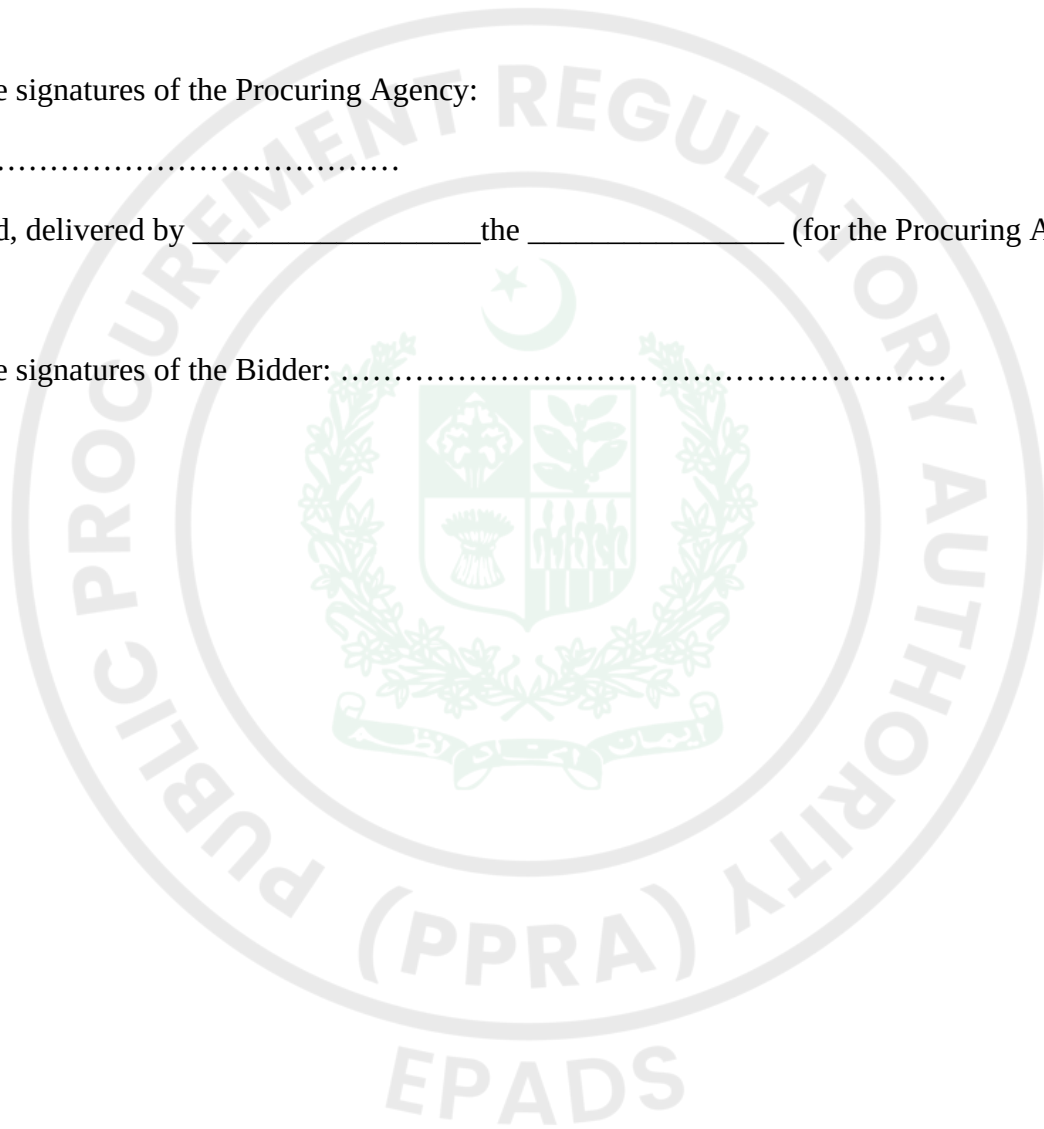
Signed, sealed, delivered by _____ the _____ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

.....

Signed, sealed, delivered by _____ the _____ (for the Procuring Agency)

Witness to the signatures of the Bidder:





Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract

Number: Contract

Value: Contract Title:

Dated:

[Name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.



Performance Guarantee Form

Performance Guarantee Form

To: **State Life Insurance Corporation of Pakistan(SLIC), Real Estate Islamabad (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager Real Estate , State Life Building No.5, Blue Area, Islamabad Capital Territory**

WHEREAS *[name of Bidder]* (hereinafter called “the Bidder”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods(hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Bidder shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Bidder’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Bidders guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

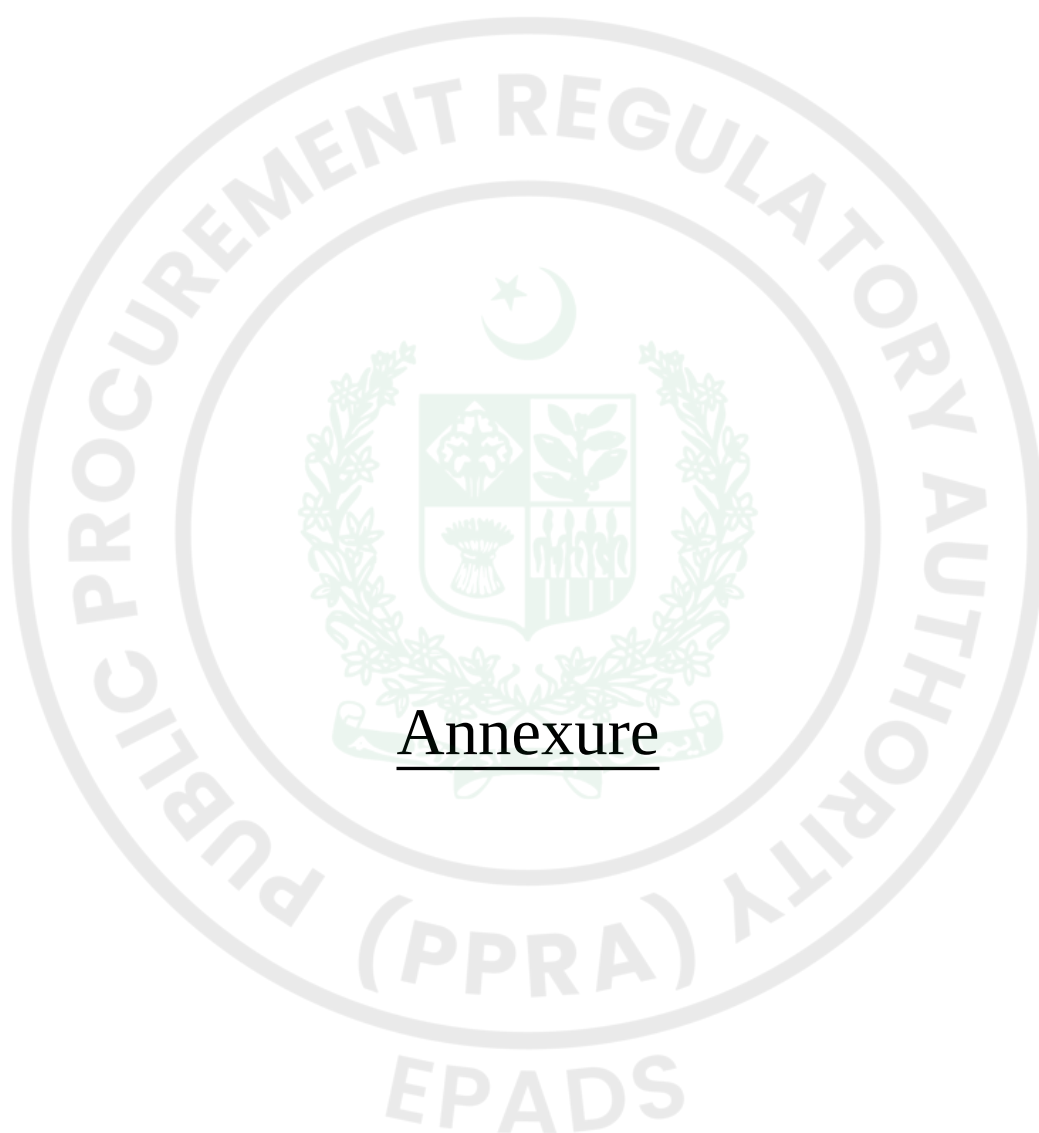
Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]





Annexure

TENDER DOCUMENT

Information (Read-Only)

See Form Under Additional Forms and Documents: **TENDER DOCUMENT** (page number: 66)

MANUFACTURER TECHNICAL DATA

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **MANUFACTURER TECHNICAL DATA** (page number: 98)

FINANCIAL BID

Financial Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **FINANCIAL BID** (page number: 107)



Procurement Forms

Past Experience and Completed Contracts

al least 5 years experience *experience in the fie* will be considered with the *SST/GST registration date and filer status of the concerned*.

See Form Under Additional Forms and Documents: **Past Experience and Completed Contracts** (page number: 112)







Additional Forms and Documents

**SUPPLY, INSTALLATION, COMMISSIONING AND
TESTING OF 20 KVA DIESEL GENERATOR SET**

SINGLE STAGE SINGLE ENVELOPE

TENDER NO. SLIC/GENERATOR/KHANSPUR/01/2026

AT

**STATE LIFE REST HOUSE,
KHANSPUR, AYUBIA**

Date: _____

Dy. General Manager (I/c RE)

Real Estate,
STATE LIFE Building No. 5,
Phase-I, Blue Area,
Islamabad.

Sub: SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 20 KVA DIESEL GENERATOR SET AT STATE LIFE REEST HOUSE, KHANSPUR AYUBIA

Dear Sir,

Having gone through the Tender Documents/ Post Qualification Criteria for the subject work, we hereby submit our tender consisting of Specifications & Financial Bid for your consideration please.

Pay Order/ Demand Draft having No. _____ drawn on: _____
Bank Dated: _____ consisting of 86000/- Bid Security is placed in
Financial Bid Envelope.

Thanking You,

Yours Sincerely,

Signature: _____

Name: _____

Designation: _____

M/s: _____

**INVITATION OF TENDER FOR SUPPLY, INSTALLATION, TESTING &
COMMISSIONING OF 20 KVA DIESEL GENERATOR SET AT STATE LIFE REEST
HOUSE ,KHANSPUR AYUBIA**

TENDER NO. SLIC/GENERATOR / KHANSPUR/01/2026

INVITATION TO BID

1. State Life Insurance Corporation of Pakistan (Real Estate Division) invites e-PADS bids from the original authorized distributors/ suppliers/ Contractors etc., having minimum 05 Years of relevant experience and are on active tax payers on for **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 20KVA DIESEL GENERATOR SET INSTALLED AT STATE LIFE REEST HOUSE, KHANSPUR AYUBIA**. The firms should have proper office, telephone number, N.T.N and should be duly registered with e-PADS, PEC, FBR on the ATL & GST list.
2. Bidding documents, containing detailed terms and conditions, etc. are available for download at State life's website **www.statelife.com.pk** free of cost.
3. The bids, prepared in accordance with the instructions in the bidding documents, submitted through e-PADS on or before 21-09-2026 at **11:00 am as stipulated by e-PADS** will be opened on the same day **at 11.30am**. This advertisement has been published via PPRA e-PADS website.
4. Any bid submitted other than e-PADS would not be considered.

DGM/ INCHARGE (Real Estate),
Ground floor, State-Life Building #5
Phase-I, Jinnah-Avenue, Islamabad.
Ph:051-9204743

MANDATORY REQUIREMENTS

- i.** *GST, SST, NTN Certificate PEC OR License to Electrical Contractor (Electric Inspector Govt. of KPK).*
- ii.** *Affidavit that the firm/ company is not black listed by any Government/Semi Government/ MNCs and private organizations.*
- iii.** *Authorized distribution/ Dealer/ OEM certificate from international reputed manufacturer.*
- iv.** *Company Profile*
- v.** *Years of Experience related to subject works up to 5 years. (Attach proof). SST/GST registration date and filer status will determine the experience in the field*
- vi.** *The company should maintain minimum balance as follows at the last day of each month in their bank account during last two years. i.e., 3 to 5 million. (Attach Bank Statement)*
- vii.** *ISO 9000 certification for company*

(ANY MIS-DECLARATION/ MISSTATEMENT WILL BE TAKEN SERIOUS AND COMPANY MAY BE BLACKLISTED. SAME WILL BE ANNOUNCED AND INFORMED IN THE NEWSPAPERS, PPRA AND TO OTHER RELEVANT AGENCIES)



STATE LIFE

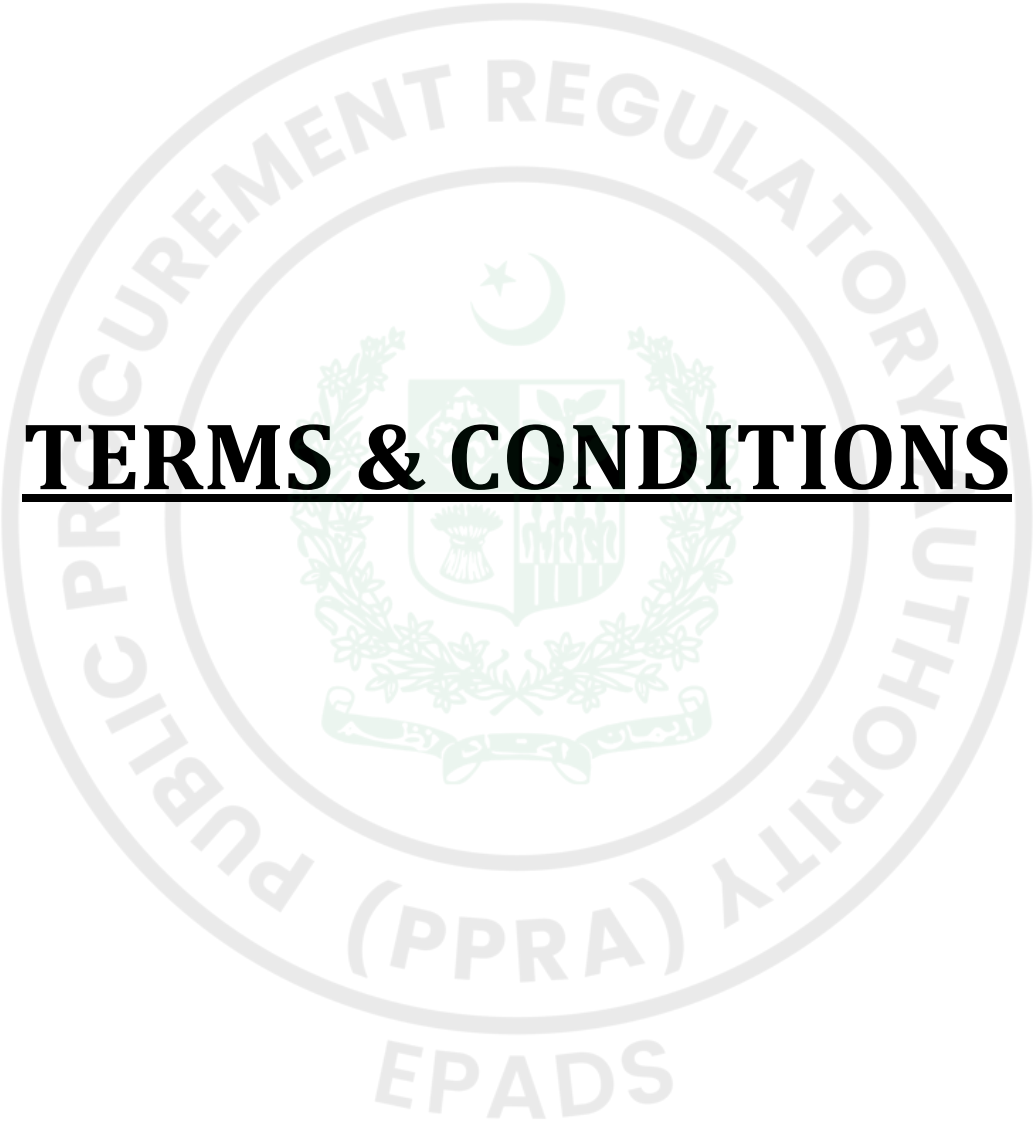
INSURANCE CORPORATION OF PAKISTAN

**INSTRUCTIONS TO TENDERERS/ SUPPLIERS OF EQUIPMENT AND
MATERIAL - RELEVANT TECHNICAL DATA ON WHICH THE TENDER IS BASED**
(To be filled in and signed by the Tenderer)

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

Sr. #.	Equipment / Material for Generator 20 KVA with In Built AMF Panel	Name of Manufacturer	Country of Origin
01.	Diesel Engine		
02.	Alternator		
03.	ATS Panel		
04.	Canopy		
05.	L. 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.	Earthing		

TENDERER'S SEAL & SIGNATURE



TERMS & CONDITIONS

SALIENT TERMS AND CONDITIONS OF CONTRACT

1.	Nature of Job.	Supply, installation, testing and commissioning of 20 KVA DIESEL GENERATOR SET at State Life Rest House Khanspur Ayubia
2.	Place of submission of Tender.	e-PADS.
4.	Time of completion of work from the date of commencement of work	60 Days.
5.	Black Listing	As per State Life Insurance blacklisting procedure in light of PPRA – Rule-19.
6.	Risk & Cost	If the contractor fails to execute the job in given time and beyond 60 days of notice issued, State Life may get the remaining works executed through other contractor at his risk & cost.
7.	Bidding Document	The bidding document must be dully signed along with official seal affixed on every page before uploading to PPRA e-PADs.
8.	Release of Retention Money	On Completion of defect liability period. (i.e. 1 year from completion of work)
9.	Tender-Bid Security.	Rs.86,000/- in the shape of pay order/ bank draft in favor of State Life Insurance Corporation of Pakistan.
10.	Release of Bid Security.	To the unsuccessful bidder on the acceptance of the bid of successful bidder. While to the successful bidder it will be released upon submission of Performance Bond
11.	Mode of payment	95% amount of contract will be nature of subject to satisfactory completion of work
12.	Amount Of Liquidated Damages	0.5% of the contract amount per day (maximum 10% of contract amount)
13.	Defect Liability period	Twelve (12) Months after Completion of work
14.	Date of commencement	Within 07 (Seven) days from the date of acceptance of letter of award.
15.	Deduction of taxes	All applicable government taxes (federal & provincial) including income tax, GST, SST tax (if applicable) etc. will be deducted.
16.	Retention Money	5% of the total amount
17.	Performance Guarantee	5% of contract amount will be submitted within 15 days in acceptance of LDA which will cover the defect liability period.
18.	Bid Validity	120 Days

TENDERER'S SEAL & SIGNATURE

1. GENERAL TERMS.

- 1.1. Tender is invited for supply installation, commissioning and testing of 20 KVA D.G Set as per attached B.O.Q at State Life REST House Khanspur AYUBIA.
- 1.2. Tenders shall be submitted on e -Pads.
- 1.3. Tenderers are requested to visit the site and ensure that their offers are completed in all respect and that all terms & conditions mentioned in this document shall be strictly complied with. Tenderer must ensure/study the specification. Schedules 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 operating 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. Tender without bid security will not be accepted/ entertained.
- 1.10. Contractor has to clean the site in every respect from unused material, debris and tools on completion of work.
- 1.11. State Life Insurance Corporation of Pakistan, 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, Octroi, 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, SST, Income Tax and any tax in future if imposed by the government during the current contract and the 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/ Electrical Inspector. Official 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 confirm 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 manufacturing 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 Pakistan.

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:

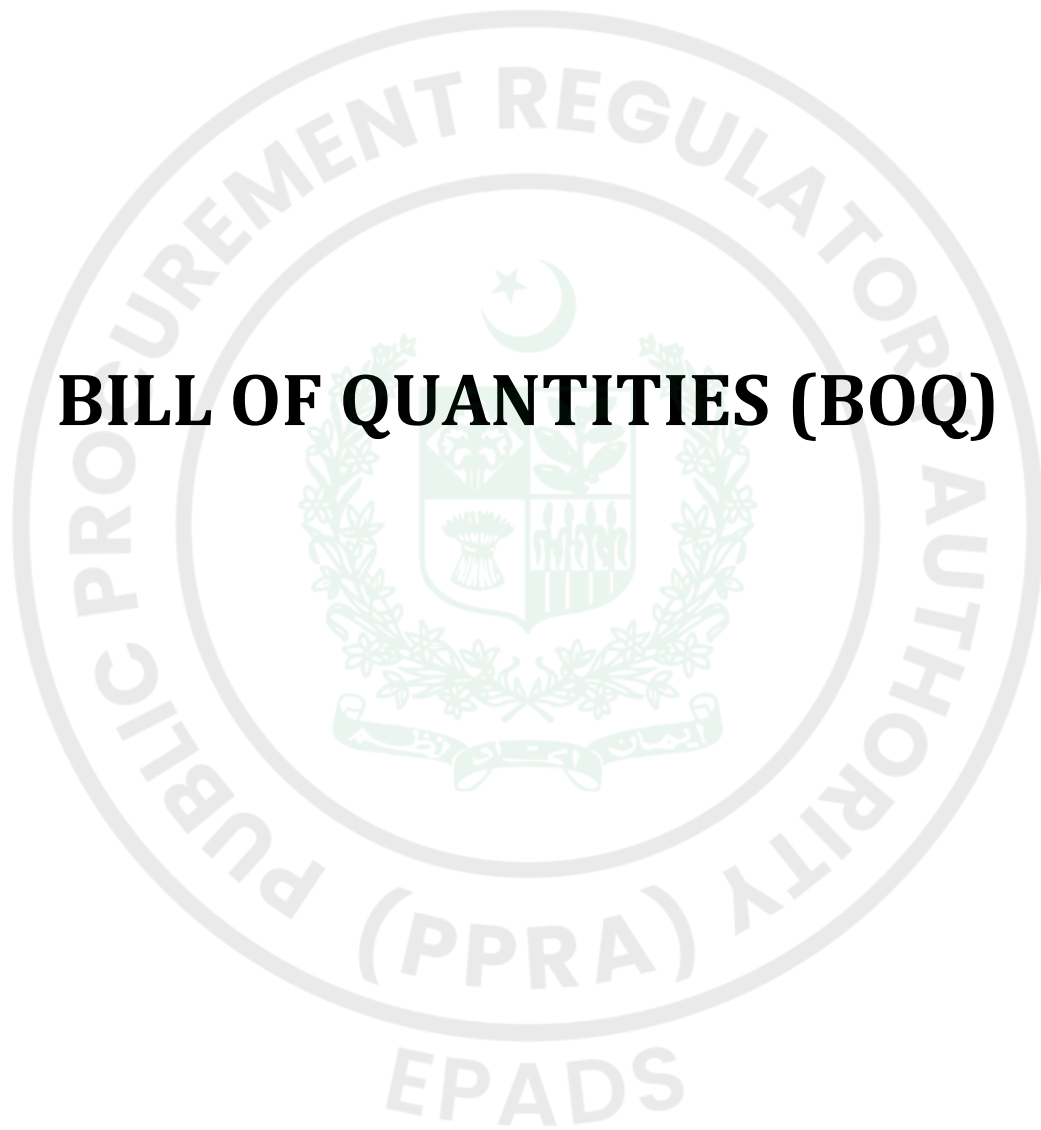
During Defect Liability Period contractor will provide the services free of cost and maintain the DG Set properly.

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

9. SIGNING OF CONTRACT AGREEMENT:

Upon acceptance of the bid the contractor shall execute with the State Life Insurance Corporation of Pakistan a proper agreement on non-judicial stamp paper containing certain terms & conditions in the form prescribed by State Life within Seven (07) Days from the acceptance of Letter of Award.

BILL OF QUANTITIES (BOQ)



BILL OF QUANTITIES (BOQ)

SUPPLY OF 20 KVA D. G. SET FOR STATE LIFE KHANSPUR AYUBIA.

Sr. No	Description	Unit	Qty.	Unit Rate (PKR)	Total Amount (PKR)
1	(2)	(3)	(4)	(5)	(6)
	Supply, Installation, Testing and Commissioning of the following items of work (unless specifically stated otherwise), including all material, labour, tools, plant accessories, etc. required for proper completion of each item as per specifications and locations. General/ Specification, for Electrical Works shall be applicable to all BOQ items. The contractor may visit both the sites, inspect the existing condition of the works and nature to 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.		01		
1.	DIESEL GENERATOR SET (20 kVA) Supply, installation, testing, and commissioning of a 20 kVA DIESEL GENERATOR SET of make Perkins, Cummins, Caterpillar, or equivalent internationally recognized brand, for installation at State Life REEST house Khanspur Ayubia. The generator set shall be complete with an inbuilt AMF control panel/instruments (to be connected with the ATS panel), including all control wiring, interlocks between the DG set panel and utility supply, piping works, exhaust system, skid-mounted fuel tank, ducting, control panels, foundation pads, and all associated civil, electrical, and mechanical works, complete in all respects. a. DIESEL GENERATOR SET Rating • Prime Rating: 20 kVA • Standby Rating: 22 kVA (or manufacturer's standard standby rating for a 20 kVA prime-rated generator) Technical Specifications: • Voltage: 400/230 V • Frequency: 50 Hz • Phase: 3 Phase • Speed: 1500 RPM (or 1800 RPM, if specified by the manufacturer) • Complete with: • Key-start control panel • AMF-compatible control module • 45°C tropical radiator • Maintenance-free battery with battery tray • Industrial silencer • Solid steel base frame • Integrated/base-mounted fuel tank • Anti-vibration mountings	Job	01		

	• All standard accessories required for safe and reliable operation The DG set shall be supplied complete in all respects and ready for operation. b. RCC Foundation Provide a 1-foot-high reinforced cement concrete (RCC) foundation comprising brick masonry, cement-sand mortar, PCC/RCC (1:2:4 mix), damp-proof course (DPC), plaster, anchor bolts, and all associated civil works, complete in all respects and to the satisfaction of the Engineer-in-Charge. c. Exhaust System Supply and install a complete exhaust system comprising heavy-duty exhaust piping, industrial silencer, flexible connections, rain cap, supports, insulation (where required), and all accessories necessary for proper discharge of exhaust gases in accordance with the manufacturer's recommendations. d. Fuel System Provide a complete fuel system comprising an overhead or underground fuel storage tank with a minimum capacity of 500 liters, manufactured in accordance with DIN 6608, ASME, or equivalent international standards, complete with: • Manhole cover • Fuel level indicator • Vent pipe • Drain valve • Fuel transfer and return piping • Isolation valves • Flexible hose connections • All fittings and accessories required to supply fuel to the 20 kVA DIESEL GENERATOR SET, complete in all respects.				
2.	<u>AMF/ ATS PANNEL</u>				
	Supply & installation of AMF (Automatic Mains Failure)/TP ATS (Automatic Load Transfer Switches) Panel with all imported components of adequate ratings/ specifications along with the single core/ multi core PVC/PVC copper conductor cable connected with the Panels of the electric substation coupled with Electric Supply Company's electric supply as auto change over switching having necessary inter locking with Electric Supply Company's electric supply, (by visiting the site to observe the site condition).	Job	01		
3.	<u>CANOPY</u>				
	Providing & fixing weather proof & sound proof canopy for 20KVA DG Set, made with appropriate size M.S. angle iron frame & 12 SWG M.S Sheet and foundation pad duly painted with red oxide & weather proof colour. The canopy sound level should not exceed 85db at a distance of one (1) meter from the Generator with necessary doors for inspection/ repairs duly earthed body as per approved design & instructions of the Engineers.	Job	01		

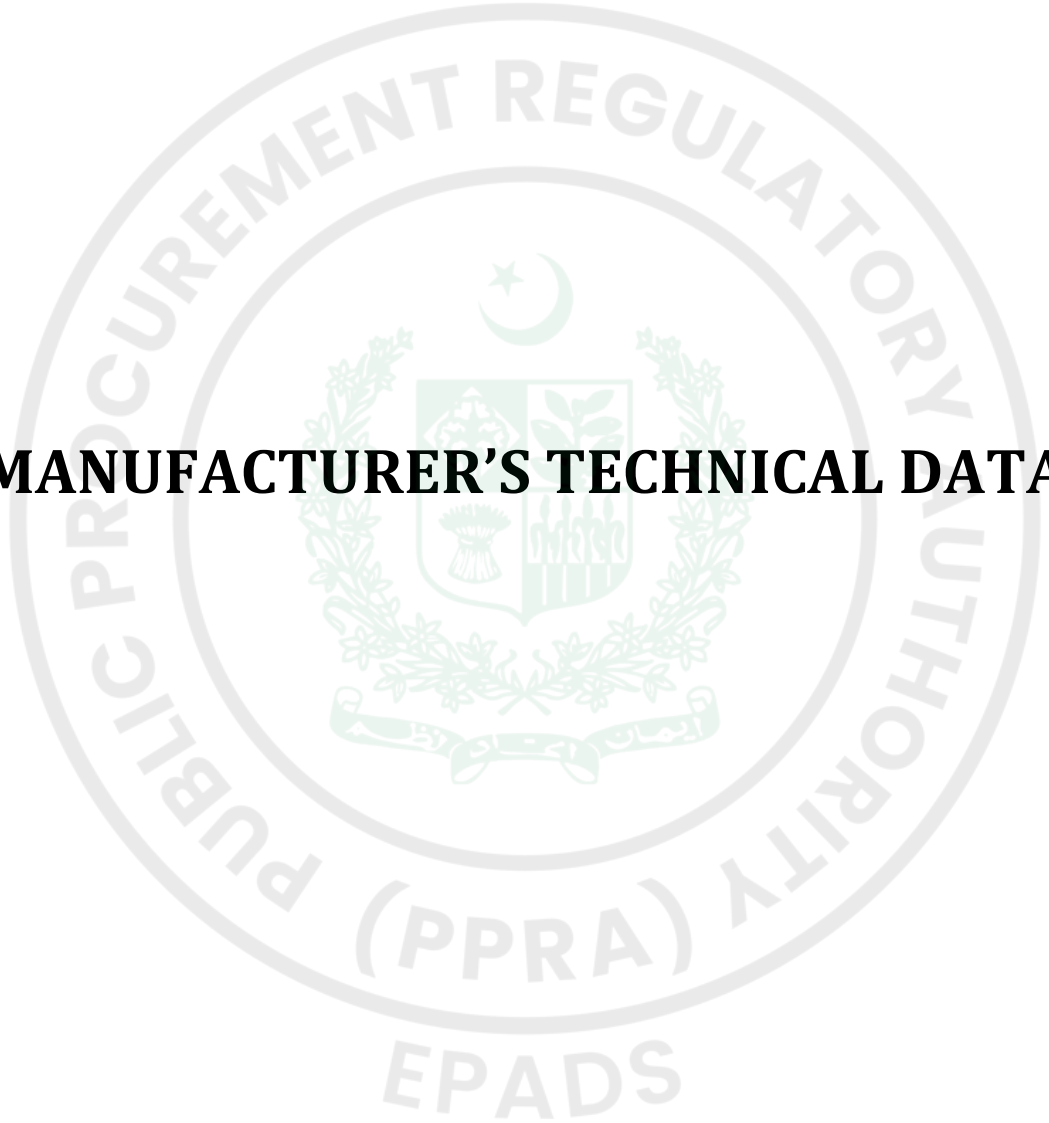
PROVISION OF 20 KVA D. G. SET FOR STATE LIFE REEST HOUSE,
KHANSPUR AYUBIA.

Sr. #.	Description	Unit	Qty.	Unit Rate (Rupees)	Total Amount (Rupees)
(1)	(2)	(3)	(4)	(5)	(6)
5	<u>CHANGE OVER SWITCH:</u>				
	_Providing, fixing, connection with cable, installation and commissioning of (Change Over for main L.T Panel Room) 63 Ampere. Adjustable T.P MCCB 3 Pole Terrasaki/Equivalent with 16 SWG sheet steel Clad with hinged door cover, weather proof, water with, anti-rust treated and powder coated painted, floor mounting types factory assembled for 3 phase and neutral bus bar, 410 Volt 50 C/s, Cable glands, earth terminal block, etc, complete job in all respects. <u>Incoming:</u> 63 Ampere 36 KA TP MCCB Adjustable (Terrasaki) Volt Meter (Digital) with Selector. Ampere Meter (Digital) with Selector. Current Transformer 100/5Ampere 4Ampere SP Type Fuse (Legend) Quantity=? <u>Outgoing:</u> Bas Bar 10mm X 30mm		01		
6	<u>EARTHING</u>				
	Supply of necessary material, cables (Make Pakistan Cables or equivalent) of recommendable sizes for earthing systems, Rod type earth electrode including earthing lead, inspection chamber all accessories etc., complete in all respect by mentioning the specifications of adequate system recommendable for the supplied D.G Set of 20KVA along with connections		01		
7	<u>L.V CABLE 35 mm 4 CORE:</u>				
	supply and installation, termination, testing and commissioning of PVC/PVC Multi Core Copper conductor Power cables 600/1000 volts of make Pakistan/Pioneer/ Universal or Equivalent. Already run on cable tray or through PVC conduits. The cable should be terminated at both ends with in coated copper lugs, brass glands and properly tagged and cable should be properly clamped or tie on cable trays, complete in all respect.(meter^2=?) 1 X 35mm 4 Core PVC/PVC for Gen Set 20 KVA Outgoing to change over Panel incoming L.T Panel room/DB. As per the site requirements	Job Rft	01 Depend upon location of DG Set		

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PROVISION OF 20 KVA D. G. SET FOR STATE LIFE REEST HOUSE,
KHANSPUR AYUBIA.

Sr. #	Description	Unit	Qty.	Unit Rate (Rupees)	Total Amount (Rupees)
(1)	(2)	(3)	(4)	(5)	(6)
8	<u>COST OF SPARE PARTS:</u>				
	i. Air Filter ii. Oil Filter iii. Fuel Filter iv. Driving Belt v. Set of diodes for excitation system. vi. Additional spares if any recommended.	job	01 Depend upon location of DG Set 1 set 1 set 1 set 1 set 1 set		
9	Supply and fixing of cable tray 18SWG MS Sheet with Cover and finished with epoxy power point to be installed for power cables with all fixing accessories (6" X 12") or as required.	job	01		
10	<u>MISCELLANEOUS</u>				
	Any other item whether specified or not but deemed necessary and required for the entire complete and functional system as per the site requirements.				
	Total Amount INCLUSIVE OF TAX(ES)				



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 / Cummins / Caterpillar OR Equivalent)

- 1.1. Manufacturer's Name.
- 1.2. Maximum Engine Rating BHP.
- 1.3. Continuous Output Rating – BHP
- 1.4. De - Rating Factor:
 - 1.4.1 For Altitude of 15 Meters above NSL.
 - 1.4.2 For Inlet Air Temperature of Zero Degree Centigrade
 - 1.4.2 Others, if any
- 1.5. Engine Rating at Site – BHP
- 1.6. Period of Maximum Engine Rating – 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

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
1.14.	Mounting	
1.15.	Cooling System	
1.16.	Ignition System	
1.17.	Overload Capability	
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	
1.19.4	At 25% rated load	
1.20.	Fuel consumption (Lit./Hr.)	
1.20.1	At 100% rated load	
1.20.2	At 75% rated load	
1.20.3	At 50% rated load	
1.20.4	At 25% rated load	
1.20.5	At 0% rated load	

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
2.	ALTERNATOR: (Caterpillar/ Newage 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	
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 - %	

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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 – Sec	
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 – Amps	
2.20.	Radio Frequency interference	
2.21.	Telephone Influence / Interference	
2.22.	Charger Capacity	

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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2.23. Batteries

2.23.1 Type

2.23.2 Rating – AH

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

3.5. Meters / Gauges to Indicate

3.5.1 Engine Speed in RPM

3.5.2 Lube Oil Pressure in Bars

3.5.3 Engine Water Temperature in °C

3.5.4 Engine Running Hours in Hrs.

3.5.5 Battery Charging Current in Amps.

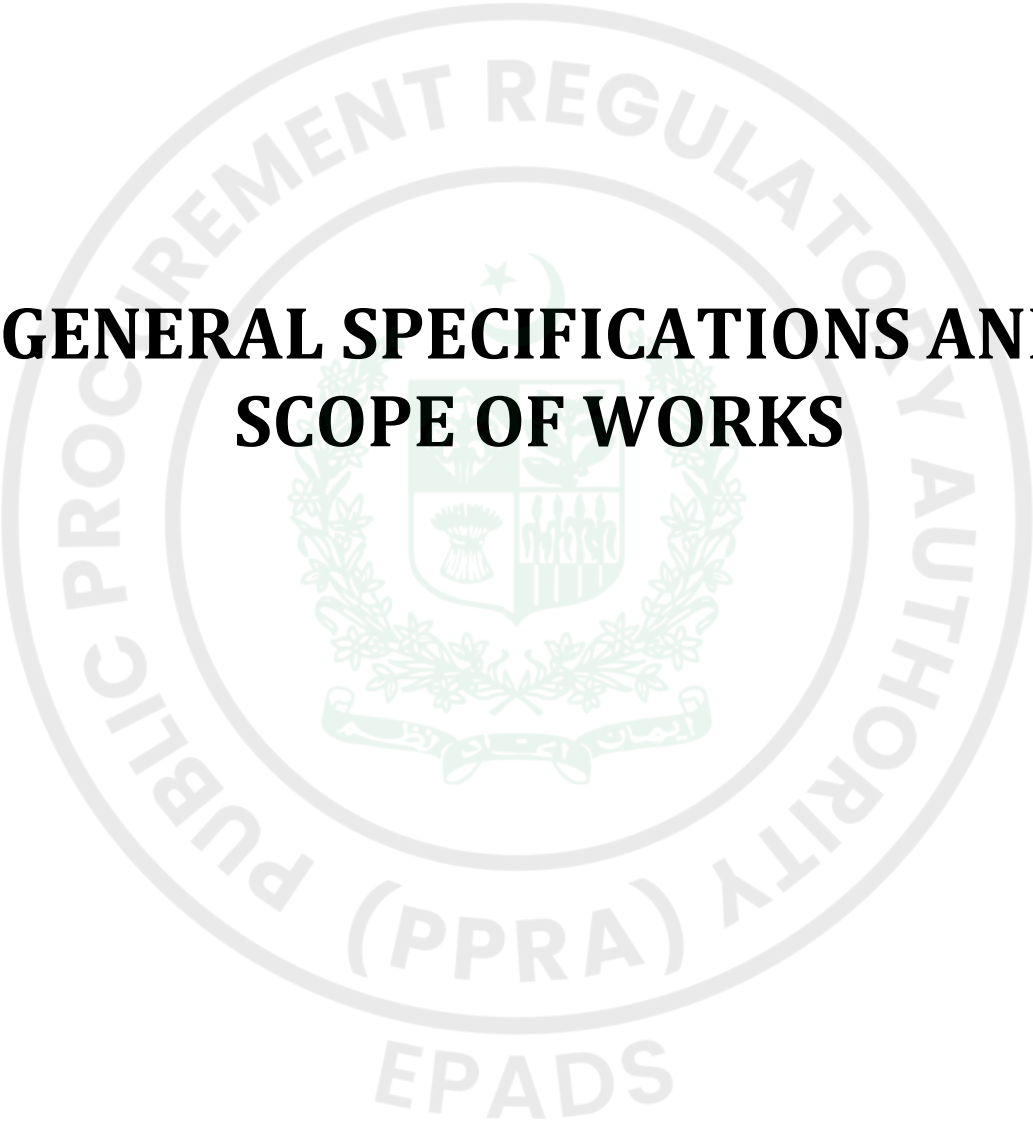
3.6. Alarm / Indicating Lamps for:

3.6.1 Engine Over Speed

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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 devices 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	



GENERAL SPECIFICATIONS AND SCOPE OF WORKS

GENERAL SPECIFICATIONS AND SCOPE OF WORKS

1.0 SCOPE

The work under this section consists of supplying, installing, testing and commissioning of all material and services of the complete D. G. Sets including Inbuilt AMF and ATS Panel with required Interlocking and other equipment, as given in the Bill of Quantities.

The Tenderer shall be deemed to have considered the scope of work, all the conditions, obligations and requirements by visiting the site before quoting rates against items of Bill of Quantities, inspected the site and satisfied himself as to the nature of work, ground, the hydrological and climatic conditions, availability of materials, means of access to the site for manpower/machinery, risks, contingencies and other circumstances which may influence or affect his Tender.

The Contractor shall discuss the electrical layout with the Engineer/ client and co-ordinate at Site with other services for exact location and position of the DIESEL GENERATOR SETs, ATS Panel with required Interlocking, underground fuel storage tanks with piping network and routing of cables.

The D. G. Sets, with Inbuilt AMF and ATS Panel etc., and accessories shall comply with the relevant provisions of the Tender Document.

2.0 GENERAL

The DIESEL GENERATOR SET shall be of a standard design of reputed manufacturer, who shall have similar units in operations for similar applications and field conditions. The manufacturer shall also have adequate maintenance facilities in vicinity of the Project with technically qualified and experienced personnel trained for operation and on-site maintenance of equipment offered by the Contractor in the tender bid.

The sets shall be with sound proof canopy of residential type where specified and rated for continuous duty and suitable for outdoor/indoor installation as specified with protection class rating accordingly. It shall be capable for unbalance loads upto 30% of actual load and for continuous part load operation. The set shall be capable of starting and operation at the rated output at 0° Centigrade and at an altitude of 15 meters above mean sea level. The ratings must be substantiated with manufacturer's standard published data.

The DIESEL GENERATOR SET shall, after reducing the power absorbed by the auxiliaries, deliver continuously rated power output with overload capability for operation at least 10% above the rated capacity for 1 hour continuously in any 12 hours operating in accordance with ISO 3046, AS 2789 & BS 5514 under the site conditions. All auxiliaries, accessories and connections between system along with all necessary cables, fittings, hardware, etc., for complete installation of Diesel Engine, Generator, Control/ Instrument Panel.

With required Interlocking, Fuel and Oil Storage, Batteries, Exhaust System with acoustic and residential Silencer etc., shall be furnished by the Contractor.

The engine shall be directly coupled to the generator, and shall have a rated speed of 1500 rpm. The set shall be capable of sustaining without damage, 25% over speed under any abnormal operating condition.

The engine-generator set shall be mounted on suitable rigid steel frame skid with vibration isolators. Heavy duty lifting eyes and jacking screws shall be provided on the skid. The foundation bolts and all other material/hardware for complete installation of the set shall be furnished with the set. Any excessive tensional vibration shall be avoided for both engine and alternator.

The set shall be suitable for full load starting. When the generator is operating at no-load, the application of full load current, taking into account the surge due to starting of equipment, should be possible with maximum transient voltage drop of 15% of the rated voltage, and the time taken to restore the generator voltage to 97% of rated value should not exceed 1.5 seconds.

The sets shall be capable for starting and accepting full load within 30 seconds after receipt of starting signal.

The D. G. Sets shall be from the following make or equivalent:

Caterpillar	-
Stamford	-
Cummins (CPG)	-
Meccalte	-
Leroy Somer	-

The Contractor shall submit the equipment layout and other installation details as per manufacturer's recommendations for approval of the Engineer at least 15 days prior to the installation of the set.

Necessary provision, including connections and a Local/OFF/Remote control switch shall be made in the Generator Panel of the D.G. Set. The cost of such provision, connection, testing and commissioning are deemed to be included in the Cost of D. G. Set and no separate payment shall be made against such works.

3.0 APPLICABLE STANDARDS/CODES

The Diesel engine and generator shall conform to the following standards as applicable.

BS 5514	- Reciprocating Internal Combustion Engine.
BS 4999	- General Requirements for Rotating Electrical Machines.
BS 5000-99	- Rotating Electrical Machines of particular types or for particular application.

For other equipment and materials related to the DIESEL GENERATOR SET, the Contractor shall follow relevant international standards, details of which shall be submitted to the Engineer for approval.

4.0 MATERIAL

4.1 Diesel Engine

The Diesel Engine shall be four strokes, compression ignition, suitable for continuous duty.

Starting shall be through electric starter motor operated on DC supply from lead acid batteries mounted on the skid. The batteries shall be furnished with the set.

The engine shall be equipped with an alternator type automatic charging system to charge the batteries during running of engine. A static battery charger installed in the control panel shall also be provided to charge the batteries when the engine is not running. Suitable interlocks shall be provided to prevent simultaneous operation of both charging systems.

The batteries shall be adequate to satisfy the following requirements:

- a. Crank the engine at firing speed for at least 15 seconds.
- b. If the engine does not start on the first attempt, crank the engine two more times for the above duration at an interval of 30 seconds between each cranking operation.

4.1.1 Air Intake

Air intake shall be through turbo charger and equipped with dry type filter. Suitable attenuators shall be installed to reduce noise at the air inlet.

4.1.2 Engine Lubrication

A gear type positive pressure lubrication pump shall be provided with efficient filtration arrangement for the lubrication system. 230 V AC mains operated heater with thermostat shall be provided in the crankcase.

The heater shall be designed for automatic switching to ensure that temperature of oil is maintained for proper operation of the engine.

Engine shall have a constant oil level regulator, gravity fed from an engine mounted lube oil reservoir. Reservoir shall be equipped with an oil level gauge. Size of the reservoir should be suitable for 30 days continuous operation at full load.

A crankcase pressure release valve shall be provided to operate during excess pressure.

4.1.3 Engine Cooling

Engine shall have a forced air draft, water-cooled radiator supplied with a core guard. Cooling system shall have an engine driven centrifugal pump for cooling water circulation. Cooling shall be thermostatically controlled. An engine shut down timer shall be provided to keep the engine running on no-load after any operation of set, so that the engine is sufficiently cooled to start again instantly, if required, without rise in temperature above safe limits.

4.1.4 Exhaust System, Noise, Pollution

Exhaust system shall be equipped with a residential type silencer complete with muffler, exhaust manifold, flexible connector, exhaust elbow, exhaust pipe, rain cap, and associated fittings. The exhaust line shall be taken outside the building through the shortest possible and practical route, without any undue bends. This exhaust line shall be adequately covered with thermal insulation material over its entire length i.e. from the engine to the termination point. All supports for exhaust system shall be furnished.

In order to suppress the noise, acoustic entrance door and acoustic radiator duct along with residential grade silencer will be used for 20 kVA generator placed in the existing generator room.

The exhaust fumes shall be burnt completely and be free of solid matters before escaping to the air.

4.1.5 Speed Governor

The speed governor shall be electronic type. Governor shall regulate engine speed so as to maintain the generator frequency within plus or minus 2% of the rated frequency. Stable engine speed shall be attained within 15 seconds after the engine has been started. Stable engine speed shall be restored within 10 seconds of any sudden change in load, from no load to full load. During this change of load or surge, the speed shall not vary by more than plus or minus 5% of the rated speed

Surface Fuel Storage Tank, Fuel Transfer Pumps, Fuel Piping Network and Day Tank of D.G Set are to be provided as per the requirements.

4.2 Generator

Generator shall be synchronous. The generator shall be capable of carrying continuously for 1 hour in every 12 hours, overload equal to 10% of rated output with field set for normal rated load excitation.

4.2.1 Excitation

Excitation shall be from brush less rotating diodes mounted on the main shaft for 3-phase full wave rectification.

4.2.2 Windings

Alternator windings shall have Class-F insulation and shall be impregnated for tropical use. The temperature rise of winding under normal operating conditions and at rated load shall not exceed the limits specified for Class-B insulation. Anti-condensate heaters shall be provided for windings. The heaters shall be thermostatically controlled for switching ON after the set has stopped. The thermostat range shall be adjustable and set to prevent overheating of windings. For protection of windings from damage due to overheating, thermistors shall be embedded to stop the set in case the temperature of winding rises above the safe value.

4.2.3 Voltage Regulation

Voltage regulator shall be solid state with provision for manual setting. Regulator shall be so designed to 'protect the exciter when the set is running at reduced speed during starting or idling of the' prime mover.

Voltage regulation shall be plus or minus 2.5% from no-load to full load. Transient voltage drop shall be less than 15% at full load and 0.8 power factor. Time required to restore to steady state conditions after transient voltage fluctuation shall not exceed 10 seconds.

4.2.4 Short Circuit Capability

Generator shall be capable of withstanding without injury a 30 seconds three-phase short circuit at its terminal when operating at rated output and power factor with fixed excitation.

4.2.5 Deviation Factor

The deviation factor of the open-circuit line-to-line terminal voltage shall not exceed 0.1

4.3 Control/ Instrument ATS Panels

The Control/Instrument Panel for the generator shall be designed for front access, completely assembled, wired and tested. The control panel shall conform to the constructional requirements as stated in these specifications Section - 8132 for L T Switch Boards. The panel shall comprise but not limited to the following main components.

4.3.1 Generator Panel

This shall incorporate protection and control equipment, measuring instruments, control and instrument transformers, voltage regulator, governor controls, battery charger, indicating lamps, etc.

4.3.2 Circuit Breaker

The circuit breaker shall be triple. pole with adjustable releases for thermal overload, instantaneous over current, under voltage and over voltage protections.

4.3.3 Instrumentation

LED/LCD display with adjustable contrast and backlight with auto power off providing following details:

AC metering

- i) Volts 3-phase (L-L & L-N)
- ii) Amps (per phase & Average)
- iii) Frequency (Hz)
- iv) KW (total & per phase)
- v) KVA (total & per phase)
- vi) KVAR (total & per phase)
- vii) Power Factor (overall & per phase)
- viii) KW hours
- ix) KVAR hours

An kWh (energy meter) shall be provided in compliance to the requirements of Electrical Inspector covering the region (area), in addition to the above mentioned metering.

DC metering

- i) Battery Volts
- ii) Engine hours run
- iii) Engine Jacket Water Temperature
- iv) Lube Oil Pressure
- v) Lube Oil Temperature
- vi) Crank attempt counter
- vii) Start counter
- viii) Engine Speed
- ix) Fuel Oil Level

4.3.4 **Safety Devices**

Following safety devices shall be provided. The audible alarm shall operate on any fault condition and shall be resettable manually and automatically through a timer after 15 minutes whichever is earlier:

A = Alarm SD = Shutdown TD = Adjustable Time Delay

i)	Engine Over speed	A	SD
ii)	Low lube oil pressure	A	SD
iii)	High water temperature	A	SD
iv)	Over voltage	A	SD (TD=0 – 30 Sec)
v)	Under voltage	A	–
vi)	Short circuit and tripping of circuit breaker	A	SD (TD=0 – 1 min.)
vii)	Low level in fuel day tank	A	SD (TD=0 – 5 min.)
viii)	High level in fuel day tank	A	–
ix)	Charger failure	A	–
x)	Winding temperature high	A	SD (TD=0 – 2 min)
xi)	Over crank	A	SD
xii)	Low crankcase oil level	A	–
xiii)	High crankcase oil level	A	–
xiv)	Charging alternator failure	A	–

After shut down, the set shall lockout and it shall not be possible to start it unless manually reset after the cause of fault has been removed.

4.4.3 **Batteries & Battery Charger**

The batteries provided with the D.G. Set shall be of sufficient capacity to perform all required functions.

Battery charger shall be static type and shall provide for both trickle and boost charging of the batteries when the engine is not in operation. The charger shall be of suitable capacity to fully recharge the completely discharged batteries within four hours at boost charge.

4.4.4 **Controls**

Following Controls shall be provided as a minimum:

- i) Auto- Manual-Test-Stop key with LED indicator
- ii) Lamp test key
- iii) Alarm acknowledge key
- iv) Status indicators (1 red shutdown, 1 amber warning)
- v) Lock down emergency stop push button.

4.5 **Auto Load Sharing and AMF Panel (Inbuilt)**

Tile Synchronizing, Load Sharing and AMF panel shall incorporate automatic changeover system, which shall be designed for the following functions:

- i. To start D. G. set immediately when the main supply fails and synchronize them.
- ii. To start the set and synchronize whenever the main supply voltage drops to 360 volts or rise to 440 volts. The setting voltages shall be adjustable within - 5% and +5% respectively for the lower and upper ranges.
- iii. To make two successive attempts, in case the set fails to start in the first attempt.
- iv. Initiate the Automatic Transfer Switch (ATS) closing the Generator Air Circuit Breaker while the Supply Air Circuit is already made open. The ATS shall transfer the load to the Generators. The system shall provide for immediate transfer of load to the generator, after the rated speed/frequency and voltage have been achieved.
- v. The system shall transfer the load from the generator to main supply wherever the voltage returns +5% and persists for at least 3 minutes.
- vi. The system shall be self-resetting after each cycle of operation.
- vii. A four-position selector switch shall be provided for selecting the operation mode i.e. Test-Manual-Automatic-Stop/Maintenance mode to facilitate the following operation:-
 - i) Automatic (As described above).
 - ii) **MANUAL**
Manual starting of the set and load transfer from transformer to generator and vice versa.
 - iii) **TEST**
Testing the changeover operation when so desired, and also for starting and running the set without interrupting the normal operation. In case of failure of main supply during testing, the set shall automatically revert to automatic mode of operation.

iv) Stop/ Maintenance

Provision shall be made to isolate the system for troubleshooting and maintenance without interruption of mains power supply. The set shall not be capable of starting in this condition.

- viii. Two normally open and two normally close potential free contacts rated for 3 Amps at 230V AC shall be provided, which shall operate when the set is started with the operation mode selector switch in auto or manual position. The contacts shall be wired up to the terminal block in panel.

All necessary control and instruments including the synchronizing device, power factor meters, voltmeters percentage adjustable Load Sharing etc. shall be provided with the Synchronizing, Load Sharing and AMF Panel.

5.0 PRE – SUPPLY INSPECTION & TESTING:

Complete tests at full load and 10% overload shall be carried out at the manufacturer's works to determine the performance and operating characteristics of the generator to determine whether or not the guaranties have been met, unless otherwise specified. All the routine tests shall be carried out in accordance with the standards and shall be witnessed by the representatives of the purchaser. Manufacturer test certificate with manual in triplicate shall be supplied by the vendor.

5.1 INSTALLATIONS & TESTING

The DIESEL GENERATOR SET and associated equipment with accessories shall be installed at location shown on the drawing. The Contractor shall ensure execution, coordination with the civil works for providing any openings, holes, etc. to avoid any breakage to completed works. The Contractor will arrange all allied civil works for complete execution of the job at his own cost and to the satisfaction of Engineer. The Contractor shall provide foundation bolts and grout them in cement concrete floor using non-shrinkable material with the approval of Engineer.

All installation materials for physically installing the DIESEL GENERATOR SET and associated equipment, such as bolts, nuts, washers, supporting steel, etc., shall be provided and installed by the Contractor. The generator shall be installed upright and in level and shall be firmly and rigidly bolted to the steel frame skid with vibration isolators.

The DIESEL GENERATOR SET shall be completely erected as per manufacturer's instructions and as approved by the Engineer. Loose parts dispatched by the manufacturer shall be installed and connected as per assembly drawing provided by the manufacturer. Any safety locking of meter, relays, etc., provided by the manufacturer for safe transport shall be released only after the generator/ control panel is erected in position.

The incoming and outgoing cables shall be connected as recommended by cable manufacturer. The cable armor shall be connected effectively to ground.

The DIESEL GENERATOR SET and associated equipment body shall be connected to earth as per instructions given in Section "Earthing" of these Specifications. The DIESEL GENERATOR SET shall be tested on full load for at least 08 hours and commissioned in the presence of the Engineer/ representative of client. The tests to be carried out are described in article "Testing" of General Specifications for Electrical Works.

The tank shall be installed in accordance with best engineering practice/international codes, the approved shop drawings, applicable code requirements and manufacturer's instructions.

The piping shall be hydrostatically shop tested as required by ASME code, section VIII, DIV-I and will be dried immediately after the test.

No separate payment is admissible for testing and commissioning of low voltage D. G. Set, associated equipment and piping and is deemed to have been included in the BOQ rates of the Low voltage D. G. sets and fuel system.

6.0 MEASUREMENT AND PAYMENT

6.1 General

The Contractor's bid amount against each item of Bill of Quantities as given below shall include supply, installation, testing, commissioning and for all work specified herein and/or as shown on the Tender Drawing/B.O.Q. related to the item.

6.2 DIESEL GENERATOR SET

6.2.1 Measurement

Measurement shall be made for the DIESEL GENERATOR SET including Fuel Day Tank, Control/Instrument Panel, Gravity Louvers, Control Wiring to Control/Instrument Panel of other generator, MCO Panel with required Interlocking, L.T Switchboard etc. acceptably supplied and installed by the Contractor as a complete job.

6.2.2 Payment

Payment shall be made for the number of jobs measured as provided above at the Contract unit price each for supplying installing, testing, commissioning and completion of the DIESEL GENERATOR SET, including its reinforced concrete foundation, Fuel Day tank, Gravity Louvers matching with radiator, Control/Instrument Panels and accessories, control wiring between D. G. Set and Control/Instrument Panel, ATS Panel with required interlocking, L. T. Switching fixing arrangements, all testing arrangements, etc.

6.3 Fuel System

6.3.1 Measurement

Measurement shall be made for Fuel System comprising surface Fuel Storage Tank of capacity mentioned in BOA/ drawings including pumps all accessories and piping acceptably supplied and installed by the Contractor as a complete Job.

6.3.2 Payments

Payment shall be made for the number of jobs measured, as provided above at the Contract unit price each and shall constitute full compensation for supplying, installing, testing and commissioning of surface fuel storage tank with excavation, with related civil work, reinforced concrete foundation/ structure (including reinforcement) and fixing/ supporting structure and all other accessories complete with all type of valves, fuel transfer pumps (both electric and manual) float switches control/ power wiring, control panel for automatic operation of the pumps, for each generator fuel piping network with required filters for each generator as per Specifications and required for normal operations of D. G. Set.

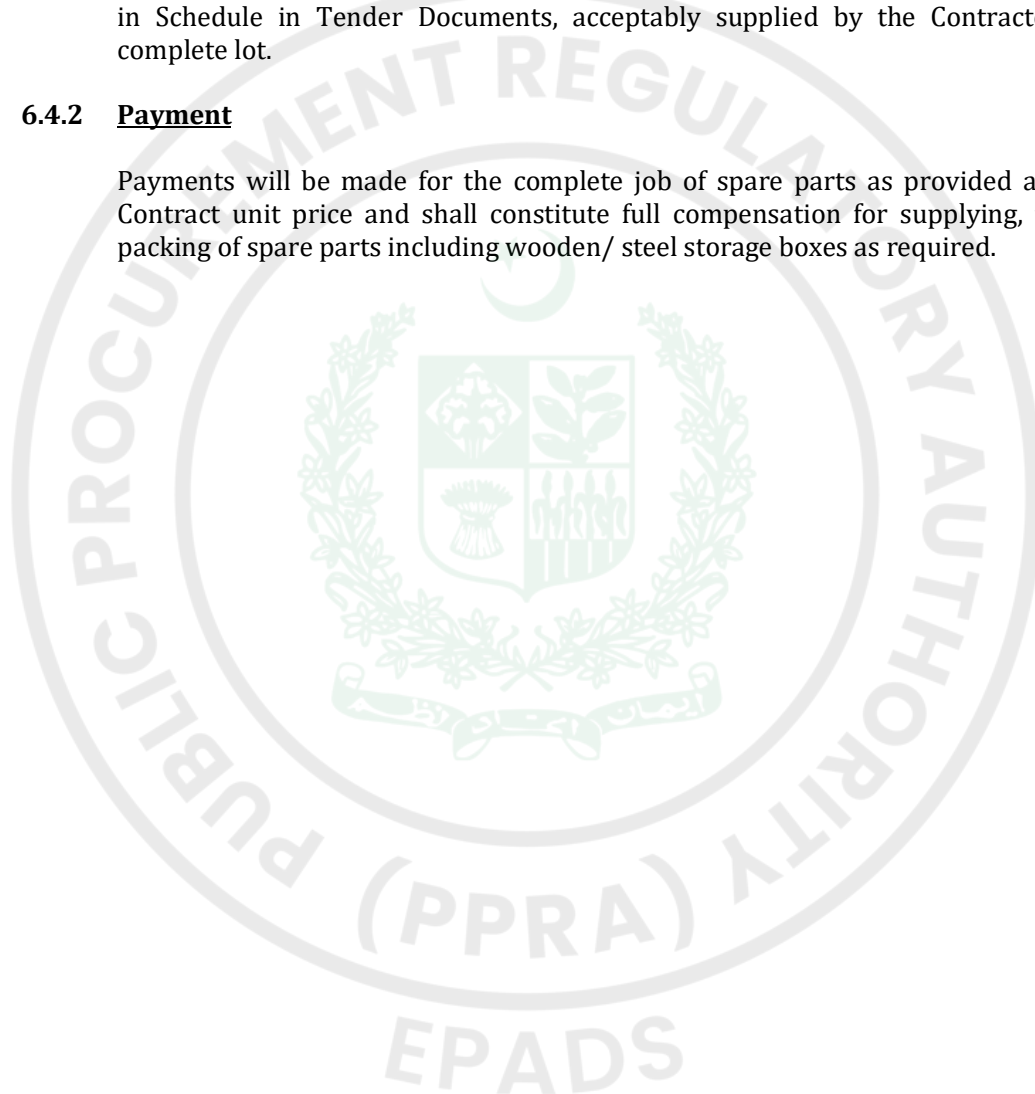
6.4 SPARE PARTS

6.4.1 Measurement

Measurement shall be made for the spare parts of DIESEL GENERATOR SET as listed in Schedule in Tender Documents, acceptably supplied by the Contractor as a complete lot.

6.4.2 Payment

Payments will be made for the complete job of spare parts as provided above at Contract unit price and shall constitute full compensation for supplying, tagging, packing of spare parts including wooden/ steel storage boxes as required.



Date: _____

Dy. General Manager (I/c RE)

Real Estate,
STATE LIFE Building No. 5,
Phase-I, Blue Area,
Islamabad.

Sub: SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 20 KVA DIESEL GENERATOR SET AT STATE LIFE REEST HOUSE, KHANSPUR AYUBIA

Dear Sir,

Having gone through the Tender Documents/ Post Qualification Criteria for the subject work, we hereby submit our tender consisting of Specifications & Financial Bid for your consideration please.

Pay Order/ Demand Draft having No. _____ drawn on: _____
Bank Dated: _____ consisting of 86000/- Bid Security is placed in
Financial Bid Envelope.

Thanking You,

Yours Sincerely,

Signature: _____

Name: _____

Designation: _____

M/s: _____



STATE LIFE

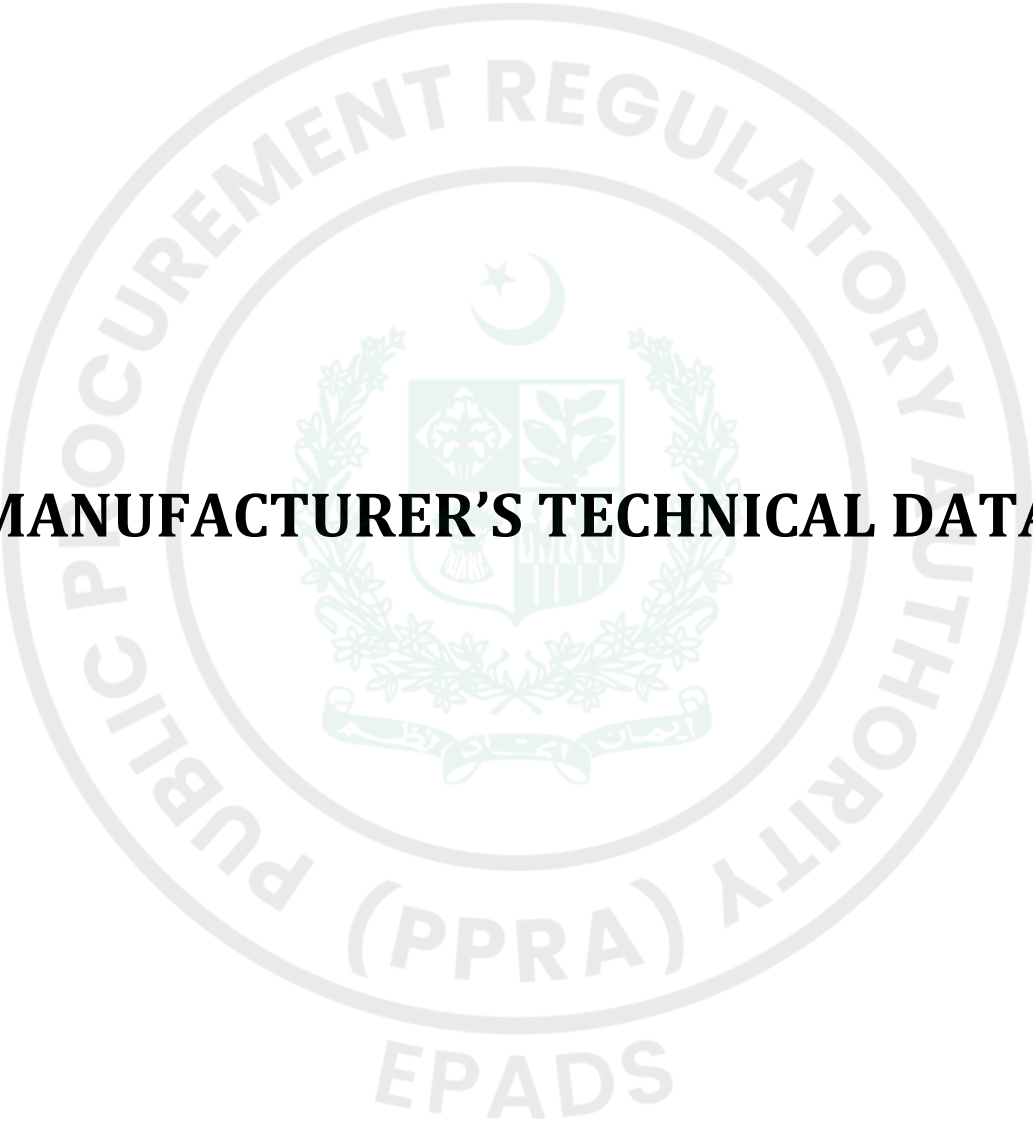
INSURANCE CORPORATION OF PAKISTAN

**INSTRUCTIONS TO TENDERERS/ SUPPLIERS OF EQUIPMENT AND
MATERIAL - RELEVANT TECHNICAL DATA ON WHICH THE TENDER IS BASED**
(To be filled in and signed by the Tenderer)

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

Sr. #.	Equipment / Material for Generator 20 KVA with In Built AMF Panel	Name of Manufacturer	Country of Origin
01.	Diesel Engine		
02.	Alternator		
03.	ATS Panel		
04.	Canopy		
05.	L. 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.	Earthing		

TENDERER'S SEAL & SIGNATURE



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 / Cummins / Caterpillar OR Equivalent)

- 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 Meters above NSL.
 - 1.4.2 For Inlet Air Temperature of Zero Degree Centigrade
 - 1.4.2 Others, if any
- 1.5. Engine Rating at Site – BHP
- 1.6. Period of Maximum Engine Rating – 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

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
1.14.	Mounting	
1.15.	Cooling System	
1.16.	Ignition System	
1.17.	Overload Capability	
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	
1.19.4	At 25% rated load	
1.20.	Fuel consumption (Lit./Hr.)	
1.20.1	At 100% rated load	
1.20.2	At 75% rated load	
1.20.3	At 50% rated load	
1.20.4	At 25% rated load	
1.20.5	At 0% rated load	

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
2.	ALTERNATOR: (Caterpillar/ Newage 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	
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 - %	

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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 – Sec	
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 – Amps	
2.20.	Radio Frequency interference	
2.21.	Telephone Influence / Interference	
2.22.	Charger Capacity	

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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- 2.23. Batteries
- 2.23.1 Type
- 2.23.2 Rating – AH

3. **ACCESSORIES:**

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

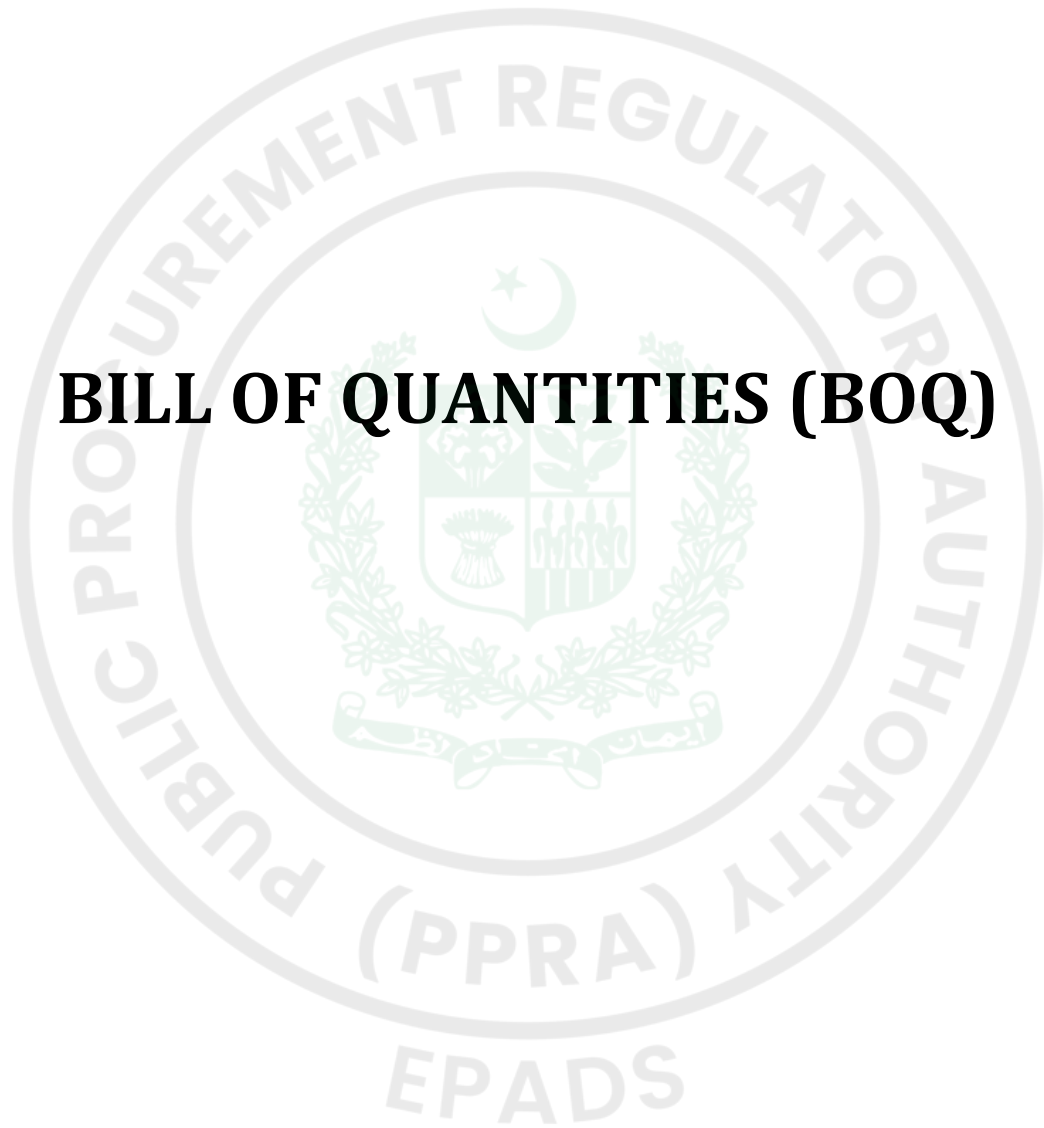
- 3.1. Crankcase Heater
- 3.2. Automatic Water Makeup System
- 3.3. Dueling for Radiator
- 3.4. Exhaust System
 - 3.4.1 Residential
 - 3.4.2 Industrial
- 3.5. Meters / Gauges to Indicate
 - 3.5.1 Engine Speed in RPM
 - 3.5.2 Lube Oil Pressure in Bars
 - 3.5.3 Engine Water Temperature in °C
 - 3.5.4 Engine Running Hours in Hrs.
 - 3.5.5 Battery Charging Current in Amps.
- 3.6. Alarm / Indicating Lamps for:
 - 3.6.1 Engine Over Speed

MANUFACTURER'S TECHNICAL DATA

(To be filled - in and signed by the Tenderer)

Sr. #	Data Required	Data Submitted
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 devices 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	

BILL OF QUANTITIES (BOQ)



BILL OF QUANTITIES (BOQ)

SUPPLY OF 20 KVA D. G. SET FOR STATE LIFE KHANSPUR AYUBIA.

Sr. No	Description	Unit	Qty.	Unit Rate (PKR)	Total Amount (PKR)
1	(2)	(3)	(4)	(5)	(6)
	Supply, Installation, Testing and Commissioning of the following items of work (unless specifically stated otherwise), including all material, labour, tools, plant accessories, etc. required for proper completion of each item as per specifications and locations. General/ Specification, for Electrical Works shall be applicable to all BOQ items. The contractor may visit both the sites, inspect the existing condition of the works and nature to 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.		01		
1.	DIESEL GENERATOR SET (20 kVA) Supply, installation, testing, and commissioning of a 20 kVA DIESEL GENERATOR SET of make Perkins, Cummins, Caterpillar, or equivalent internationally recognized brand, for installation at State Life REEST house Khanspur Ayubia. The generator set shall be complete with an inbuilt AMF control panel/instruments (to be connected with the ATS panel), including all control wiring, interlocks between the DG set panel and utility supply, piping works, exhaust system, skid-mounted fuel tank, ducting, control panels, foundation pads, and all associated civil, electrical, and mechanical works, complete in all respects. a. DIESEL GENERATOR SET Rating • Prime Rating: 20 kVA • Standby Rating: 22 kVA (or manufacturer's standard standby rating for a 20 kVA prime-rated generator) Technical Specifications: • Voltage: 400/230 V • Frequency: 50 Hz • Phase: 3 Phase • Speed: 1500 RPM (or 1800 RPM, if specified by the manufacturer) • Complete with: • Key-start control panel • AMF-compatible control module • 45°C tropical radiator • Maintenance-free battery with battery tray • Industrial silencer • Solid steel base frame • Integrated/base-mounted fuel tank • Anti-vibration mountings	Job	01		

	• All standard accessories required for safe and reliable operation The DG set shall be supplied complete in all respects and ready for operation. b. RCC Foundation Provide a 1-foot-high reinforced cement concrete (RCC) foundation comprising brick masonry, cement-sand mortar, PCC/RCC (1:2:4 mix), damp-proof course (DPC), plaster, anchor bolts, and all associated civil works, complete in all respects and to the satisfaction of the Engineer-in-Charge. c. Exhaust System Supply and install a complete exhaust system comprising heavy-duty exhaust piping, industrial silencer, flexible connections, rain cap, supports, insulation (where required), and all accessories necessary for proper discharge of exhaust gases in accordance with the manufacturer's recommendations. d. Fuel System Provide a complete fuel system comprising an overhead or underground fuel storage tank with a minimum capacity of 500 liters, manufactured in accordance with DIN 6608, ASME, or equivalent international standards, complete with: • Manhole cover • Fuel level indicator • Vent pipe • Drain valve • Fuel transfer and return piping • Isolation valves • Flexible hose connections • All fittings and accessories required to supply fuel to the 20 kVA DIESEL GENERATOR SET, complete in all respects.				
2.	<u>AMF/ ATS PANNEL</u>				
	Supply & installation of AMF (Automatic Mains Failure)/TP ATS (Automatic Load Transfer Switches) Panel with all imported components of adequate ratings/ specifications along with the single core/ multi core PVC/PVC copper conductor cable connected with the Panels of the electric substation coupled with Electric Supply Company's electric supply as auto change over switching having necessary inter locking with Electric Supply Company's electric supply, (by visiting the site to observe the site condition).	Job	01		
3.	<u>CANOPY</u>				
	Providing & fixing weather proof & sound proof canopy for 20KVA DG Set, made with appropriate size M.S. angle iron frame & 12 SWG M.S Sheet and foundation pad duly painted with red oxide & weather proof colour. The canopy sound level should not exceed 85db at a distance of one (1) meter from the Generator with necessary doors for inspection/ repairs duly earthed body as per approved design & instructions of the Engineers.	Job	01		

SUPPLY OF 20 KVA D. G. SET FOR STATE LIFE REEST HOUSE,
KHANSPUR AYUBIA.

Sr. #.	Description	Unit	Qty.	Unit Rate (Rupees)	Total Amount (Rupees)
(1)	(2)	(3)	(4)	(5)	(6)
5	<u>CHANGE OVER SWITCH:</u>				
	_Providing, fixing, connection with cable, installation and commissioning of (Change Over for main L.T Panel Room) 63 Ampere. Adjustable T.P MCCB 3 Pole Terrasaki/Equivalent with 16 SWG sheet steel Clad with hinged door cover, weather proof, water with, anti-rust treated and powder coated painted, floor mounting types factory assembled for 3 phase and neutral bus bar, 410 Volt 50 C/s, Cable glands, earth terminal block, etc, complete job in all respects. <u>Incoming:</u> 63 Ampere 36 KA TP MCCB Adjustable (Terrasaki) Volt Meter (Digital) with Selector. Ampere Meter (Digital) with Selector. Current Transformer 100/5Ampere 4Ampere SP Type Fuse (Legend) Quantity=? <u>Outgoing:</u> Bas Bar 10mm X 30mm		01		
6	<u>EARTHING</u>				
	Supply of necessary material, cables (Make Pakistan Cables or equivalent) of recommendable sizes for earthing systems, Rod type earth electrode including earthing lead, inspection chamber all accessories etc., complete in all respect by mentioning the specifications of adequate system recommendable for the supplied D.G Set of 20KVA along with connections		01		
7	<u>L.V CABLE 35 mm 4 CORE:</u>				
	supply and installation, termination, testing and commissioning of PVC/PVC Multi Core Copper conductor Power cables 600/1000 volts of make Pakistan/Pioneer/ Universal or Equivalent. Already run on cable tray or through PVC conduits. The cable should be terminated at both ends with in coated copper lugs, brass glands and properly tagged and cable should be properly clamped or tie on cable trays, complete in all respect.(meter^2=?) 1 X 35mm 4 Core PVC/PVC for Gen Set 20 KVA Outgoing to change over Panel incoming L.T Panel room/DB. As per the site requirements	Job Rft	01 Depend upon location of DG Set		

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SUPPLY OF 20 KVA D. G. SET FOR STATE LIFE REEST HOUSE,
KHANSPUR AYUBIA.

Sr. #	Description	Unit	Qty.	Unit Rate (Rupees)	Total Amount (Rupees)
(1)	(2)	(3)	(4)	(5)	(6)
8	<u>COST OF SPARE PARTS:</u>				
	i. Air Filter ii. Oil Filter iii. Fuel Filter iv. Driving Belt v. Set of diodes for excitation system. vi. Additional spares if any recommended.	job	01 Depend upon location of DG Set 1 set 1 set 1 set 1 set 1 set		
9	Supply and fixing of cable tray 18SWG MS Sheet with Cover and finished with epoxy power point to be installed for power cables with all fixing accessories (6" X 12") or as required.	job	01		
10	<u>MISCELLANEOUS</u>				
	Any other item whether specified or not but deemed necessary and required for the entire complete and functional system as per the site requirements.				
	Total Amount INCLUSIVE OF TAX(ES)				

Past Experience / Contracts

Contracts over <i>[insert amount]</i> during the last three years:				
Procuring Agency	Value	Year	Goods/Services Supplied	Country of Destination

