

Standard Bidding Document

Supply Installation, Commissioning & Net Metering of 30KW On-Grid
Solar System at State Life Building Minara Road Sukkur
(Works)

National

Single Stage-Two Envelope



September 29, 2026

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REQUEST FOR BIDS

PROCUREMENT OF CIVIL WORKS

1. The **State Life,Real Estate Sukkar (State Life Insurance Corporation of Pakistan (SLIC))** has reserved Funds for the procurement planned for FY **2026-27**. The **State Life,Real Estate Sukkar (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 Installation, Commissioning & Net Metering of 30KW On-Grid Solar System at State Life Building Minara Road Sukkur**" with the reference of "**P138252**".
2. The **State Life,Real Estate Sukkar (State Life Insurance Corporation of Pakistan (SLIC))** invites sealed Bids from eligible Bidders for procurement of Works (**Supply Installation, Commissioning & Net Metering of 30KW On-Grid Solar System at State Life Building Minara Road Sukkur**) described in the bidding documents on **EPADS v2.0**.
3. **Single Stage-Two 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 amount 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/138252>** 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 **Wednesday, October 21, 2026 11:00 AM**. E-bids will be opened by using **EPADS v2.0** on the same day at **Wednesday, October 21, 2026 11:30 AM**. Manual submission of Bids shall not be entertained. Those vendor 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 Rules 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 Bid

1.1. The Procuring agency/Employer (PA), as indicated in the Bid Data Sheet (BDS) invites Bids for the execution of Works as specified in the BDS and Section V- Works Requirements. The name, identification, and number of lots (contracts) of this National/ International Competitive Bidding process are specified in the BDS.

2. Source of Funds

2.1. Source of funds as referred in Clause 2 of Bid Data Sheet.

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 or consortium. In the case of a joint venture or consortium, 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 or consortium 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 or consortium during the Bidding process, and in case of award of contract, during the execution of contract. Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

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 may be prescribed

in BDS, in accordance with the guidelines issued by the PPRA).

3.2. The invitation for bids is open to all prospective bidders subject to any provisions of incorporation or licensing by the respective national/international incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidder keeping in view the requirement of that business.

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

3.3.1. 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/Employer to provide consulting services for the preparation of design or technical specifications of the works that are the subject of the bid; or

3.3.2. have controlling shareholders in common; or

3.3.3. receive or have received any direct or indirect subsidy from any of them; or

3.3.4. have the same legal representative for purposes of this Bid; or

3.3.5. 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 bid of another bidder, or influence the decisions of the Procuring agency/Employer regarding this Bidding process; or

3.3.6. Submit more than one bid in this bidding process.

3.4. A Bidder may be ineligible if –

3.4.1. he is declared bankrupt or, in the case of company or firm, insolvent;

3.4.2. 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;

3.4.3. the bidder is convicted, by a final judgment of a Court of Law or relevant Professional Statutory Body, of any offence involving professional conduct;

3.4.4. The bidder is debarred/ blacklisted by a national level Procuring agency/Employer and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of bid securing declaration.

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

3.6. Bidders shall submit proposal relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract is envisaged.

4. Eligible Material and Equipment

4.1. All the material and equipment to be mobilized under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such materials and equipment. For this purpose, ineligible countries are stated in the section-IV titled as “Eligible Countries”.

B. BIDDING DOCUMENTS

5. Contents of Bidding Documents

5.1. The scope of Works, 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 7.1 include:

Section I -Invitation for Bids

Section II Instructions to Bidders (ITBs)

Section III Bid Data Sheet (BDS)

Section IV Eligible Countries

Section V Evaluation and Qualification Criteria

Section VI Works Requirements Technical Specifications & Schedule of Requirements

Section VII Standard Bidding Forms

Section VIII General Conditions of Contract (GCC)

Section IX Particular Conditions of Contract (PCC)

Section X Contract Forms

5.2. The bidder is expected to examine all instructions, forms, specifications, terms and conditions prescribed in the bidding documents. Failure to furnish all the information required in the bidding documents will be at the bidder's risk and may result in the rejection of his bid.

6. Clarification of Bidding Document, Pre-bid Meeting

6.1. A prospective bidder requiring any clarification of the bidding document may notify the Procuring agency/Employer through EPADS.

6.2. The Procuring agency/Employer shall respond to the request for clarification in accordance with Rule 31 of the Public Procurement Rules 2004.

6.3. 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 7.

6.4. 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 documents.

6.5. 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. 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/Employer exclusively through the use of an Addendum pursuant to ITB 7. Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

6.6. The bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the bidder's own expense.

6.7. The bidder and any of its authorized personnel will be granted permission by the Procuring agency/Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the bidder and its personnel will release and indemnify the Procuring agency/Employer from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

7. Amendment of Bidding Documents

7.1. The procuring agency may issue notification of any change, addition, modification or deletion in accordance with Rule 23 of the Public Procurement Rules 2004 i.e. Bidding Documents.

7.2. To give prospective bidders reasonable time in which to take an addendum/corrigendum into account in preparing their bids, the Procuring agency/Employer may, at its discretion, extend the deadline for the submission of bids:

Provided that the Procuring agency/Employer shall extend the deadline for submission of bid in pursuance of Rule 27 of the Public Procurement Rules 2004, i.e. Extension of time for submission of bids, if such an addendum is

issued within last three (03) days of the bid submission deadline.

C. PREPARATION OF BIDS

8. Language of Bid

8.1. The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and the Procuring agency/Employer shall be written in the English language unless 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 specified in the BDS, in which case, for purposes of interpretation of the bidder, the translation shall govern.

9. Documents Constituting the Bids

9.1. The Bids prepared by the Bidder shall constitute of all the documents required in the BDS.

10. Documents Establishing Eligibility of Material, Equipment and Works, their Conformity to Bidding Documents

10.1. The bid prepared by the bidder shall constitute the following components: -

10.1.1. Documentary evidence established in accordance with ITB 10 that the material and equipment to be utilized by the Bidder for the executions of works are eligible material and equipment and conform to the Bidding Documents;

10.1.2. Documentary evidence established in accordance with ITB 11 that the bidder has been authorized to carry out the Construction works;

10.1.3. Documentary evidence established in accordance with ITB 11 that the bidder is eligible and/or qualified for the subject bidding process;

10.1.4. Form of Bid and Bid Prices completed in accordance with ITB 12 and 13;

10.1.5. Completed schedules as required, including priced Bill of Quantities in accordance with ITB 13.

10.1.6. Technical Proposal completed in all aspects in accordance with ITB-15.

10.1.7. Bid security or Bid Securing Declaration furnished in accordance with ITB 17;

10.1.8. Any other document required in the BDS.

10.2. In addition to the requirements, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement.

10.3. The bidder shall furnish, as part of its bid, all those documents establishing the eligibility in conformity to the terms and conditions specified in the bidding documents for all material, equipment and works which the bidder proposes to execute.

10.4. The documentary evidence of conformity of the material, equipment and works to the Bidding Documents may be in the form of literature, drawings, and data, and shall consist of:

10.4.1. a detailed description of the work methodology, approach, schedule and resources to be mobilized at site;

10.4.2. an item-by-item commentary on the Procuring agency/Employer's Technical Specifications demonstrating substantial responsiveness of the material, equipment and works to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications;

10.4.3. any other procurement specific documentation requirement as stated in the BDS.

10.5. The required documents and other accompanying documents must be in English. In case any other language than English is used the pertinent translation into English shall be attached to the original version.

11. Documents Establishing Eligibility and Qualification of the Bidder

11.1. 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.

11.2. The documentary evidence of the bidder's eligibility to bid shall establish to the satisfaction of the Procuring agency/Employer that the bidder, at the time of submission of its bid, is from an eligible country as defined in Section-IV titled as "Eligible Countries".

11.3. The documentary evidence of the bidder's qualification to perform the contract if its bid is accepted shall establish to the satisfaction of Procuring agency/Employer that:

11.3.1. The bidder has the financial and technical capability necessary to perform the Contract, meets the qualification criteria specified in Section-V, Evaluation and Qualification Criteria and BDS.

11.3.2. In the case of a bidder not doing business within Pakistan, the bidder is or will be (if awarded the contract) represented by a local bidder (Joint Venture) in accordance with the PEC works bylaws, and in case of award of works such foreign firm is required to participate in the execution of works to carry out its obligations as prescribed in the Conditions of Contract and /or Technical Specifications.

11.3.3. That the bidder meets the qualification criteria listed in Section-V, Evaluation and Qualification Criteria and BDS.

12. Forms of Bid

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

13. Bid Prices

13.1. The bid prices quoted by the bidder in the Standard bid Forms, Bill of Quantities and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the bidding documents.

13.2. The bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. If a Price Schedule shows items listed but not priced, their prices shall be construed to be included in the prices of other items in the Bill of Quantities and will not be paid for separately by the Procuring agency/Employer.

13.3. 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):

Provided that:

13.3.1. where there is only one (substantially) responsive bidder, or

13.3.2. where there is provision for alternate proposals and the respective items are not listed in the other bids,

The Procuring agency/Employer may fix the price of missing items in accordance with market survey, and the same shall be considered as final price.

13.4. The Bid price to be quoted in the Form of Bid in accordance with ITB 12 shall be the total price of the bid.

13.5. Unless otherwise specified in the BDS and the Contract, the rates and prices quoted by the bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the

Conditions of Contract.

13.6. If so specified in ITB 1.1, bids may be invited for individual lots (contracts) or for any combination of lots (packages).

13.7. 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, pursuant to ITB 27, unless otherwise price adjustment is permissible under Conditions of the Contract.

13.8. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date twenty-eight (28) days prior to the deadline for submission of bids, shall be included in the rates and prices and the total bid price submitted by the bidder.

14. Currencies of Bid and Payment

14.1. Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS. Comparison of bids and tie of bid shall be treated in accordance with the Rule 30(2) of Public Procurement Rules, 2004.

15. Documents Comprising the Technical Proposal

15.1. The bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section VII – Standard Bid Forms, in sufficient detail to demonstrate the adequacy of the bidder's proposal to meet the work requirements and the completion time.

16. Bid Validity Period

16.1. Bids shall remain valid for the period specified in the BDS after the bid submission deadline prescribed by the Procuring agency/Employer. A bid valid for a shorter period shall be rejected by the Procuring agency/Employer 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 bid securing declaration as the case may be.

16.2. Under exceptional circumstances, prior to the expiration of the initial Bids/Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids/Bid. Such request for extension of the period of bid validity shall be carried out in accordance with Rule 26 of the Public Procurement Rules, 2004.

17. Bid Security or Bid Securing Declaration

17.1. Pursuant to ITB 11.1 unless otherwise specified in the BDS, the bidder shall furnish as part of its bid, a Bid Security in accordance with Rule 25 of the Public Procurement Rules, 2004 in the amount and currency specified in the BDS or Bid Securing Declaration as specified in the BDS in the format provided in Section VII (Standard Bidding Forms).

In case Procuring agency/Employer is inviting bids in lots / packages, the bidder shall be required to submit his bid security against the respective lot/package for which he is submitting his bid.

Until the development of functionality of auto verification of financial instrument in EPADS, the scanned copy of bid security or bid securing declaration, as the case may be, shall be uploaded on E-PADS whereas the original instrument to be submitted to the procuring agency before closing of bid submission deadline,

17.2. The Bid Security shall be denominated in the local currency or in another freely convertible currency, and it shall be in the form specified in the **BDS** which shall be in any of the following:

17.2.1. A bank guarantee, an irrevocable letter of credit issued by a Scheduled bank in the form provided in the Bidding Documents or another form acceptable to the Procuring agency/Employer and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period for Bid Validity is extended. In either case, the form must include the complete name of the bidder;

17.2.2. A cashier's or certified cheque; or

17.2.3. Another security as indicated in the **BDS**.

17.3. The Bid Security or Bid Securing Declaration shall be in accordance with the Form of the Bid Security or Bid Securing Declaration included in Section VII (Standard Bidding Forms) or another form approved by the Procuring agency/Employer prior to the bid submission.

17.4. The Bid Security shall be payable promptly upon written demand by the Procuring agency/Employer in case any of the conditions listed in ITB 17.9 are invoked.

17.5. Any bid not accompanied by a Bid Security or Bid Securing Declaration in accordance with ITB 17.1 or 17.3 shall be rejected by the Procuring agency/Employer and shall be declared as non-responsive bid, pursuant to ITB 27.

17.6. 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 Bid Validity prescribed by the Procuring agency/Employer pursuant to ITB 16. The Procuring agency/Employer 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:

17.6.1. The expiry of the Bid Security;

17.6.2. The entry into force of a procurement contract and the provision of a performance security (or guarantee), for the performance of the contract if such a security (or guarantee), is required by the Bidding documents;

17.6.3. The rejection by the Procuring agency/Employer of all Bids;

17.6.4. The withdrawal of the bid prior to the deadline for the submission of bids, unless the bidding documents stipulate that no such withdrawal is permitted.

17.7. The successful bidder's Bid Security will be discharged upon the bidder signing the contract pursuant to ITB 40, or furnishing the performance security (or guarantee), pursuant to ITB 41.

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

17.8.1. if a Bidder:

17.8.1.1. Withdraws its Bid during the period of Bid Validity as specified by the Procuring agency/Employer, and referred by the bidder on the Form of Bid except as provided for in ITB 16.2; or

17.8.2. In the case of a successful bidder, if the bidder fails:

17.8.2.1. to sign the contract in accordance with ITB 40; or

17.8.2.2. to furnish performance security (or guarantee) in accordance with ITB 41.

17.9. In case of Bid Security issued by the foreign bank is allowed by the Procuring agency/Employer, the same should be counter guaranteed by a corresponding bank in Pakistan. Furthermore, in case of joint venture, it should be in the name of Joint venture to ensure joint responsibility. In case the JV is not legally constituted at the time of bid submission, the bid security or bid securing declaration shall be in the names of all future members as named in the letter of bid.

18. Withdrawal of Bids

18.1. Before bid submission deadline, any bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and the corresponding must accompany the respective written notice.

19. Format and Signing of Bid

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

D. SUBMISSION OF BIDS

20. Submission of Bids through EPADS v2.0

20.1. All bids shall be submitted through EPADS v2.0.

21. Deadline for Submission of Bids

21.1. All bids shall be received through **EPADS v2.0** not later than bid submission deadline as specified in the **BDS**.

21.2. The Procuring agency/Employer may, under exceptional circumstances and at its discretion, extend the deadline for the submission of bids, pursuant to Rule 27 of the Public Procurement Rules, 2004. Extension of Time for submission of bid, by amending the Bidding Documents in accordance with ITB 7, in which case all rights and obligations of the Procuring agency/Employer and bidders previously subject to the deadline will thereafter be subject to the new deadline.

22. Substitution and Modification of bids

22.1. A bidder may substitute or modify his bid after it has been submitted, provided that written notice of the substitution or modification of the bid, is received by the Procuring agency/Employer prior to the deadline for submission of bids.

22.2. Revised bid may be submitted after the substitution or modification made in the original bid in accordance with the provisions referred in **ITB 18**.

E. OPENING AND EVALUATION OF BIDS

23. Opening of Bids

23.1. The Procuring Agency will open bids in accordance with Rule 28 of the Public Procurement Rules, 2004 and as specified in the BDS.

24. Confidentiality

24.1. Information relating to the examination, clarification, evaluation and comparison of bids and recommendation of contract award shall not be disclosed to bidders or any other persons not officially concerned with such process until the time of the announcement of the respective evaluation report.

25. Clarification of Bids

25.1. Clarification of Bidding Documents shall be carried out in accordance with Rule 31 of the Public Procurement Rules, 2004.

25.2. The alteration or modification in the bid which in any case affect the following parameters will be considered as a change in the substance of a bid:

- 25.2.1. evaluation & qualification criteria;
- 25.2.2. required scope of work;
- 25.2.3. contract price;
- 25.2.4. all securities requirements;
- 25.2.5. tax requirements;
- 25.2.6. terms and conditions of bidding documents.
- 25.2.7. change in the ranking of the bidder

26. Preliminary Examination of Bids

26.1. Prior to the detailed evaluation of bids, the Procuring agency/Employer will determine whether each bid:

- 26.1.1. meets the eligibility criteria defined in **ITB 3** and **ITB 4**;
- 26.1.2. has been prepared as per the format and contents defined by the Procuring agency/Employer in the bidding documents;
- 26.1.3. has been properly signed;

26.1.4. is accompanied by the required securities; and

26.1.5. is substantially responsive to the requirements of the bidding documents.

The Procuring agency/Employer's determination of a bid's substantial responsiveness will be based on the contents of the bid itself.

26.2. 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: -

26.2.1. affects in any substantial way the scope, quality, or performance of the Works;

26.2.2. limits in any substantial way, inconsistent with the bidding documents, the Procuring agency/Employer's rights or the bidders' obligations under the Contract; or

26.2.3. if rectified, would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3. The Procuring agency/Employer will confirm that the documents and information specified under ITB 9, 10 and 11 have been provided in the bid. If any of these documents or information is missing, or is not provided in accordance with the Instructions to Bidders, the bid shall be rejected.

26.4. The Procuring agency/Employer may waive-off any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

Explanation: A minor informality, non-conformity or irregularity is one that is merely a matter of form and not of substance. It also pertains to some immaterial defect in a Bid or variation of a bid from the exact requirements of the invitation that can be corrected or waived without being prejudicial to other bidders. The defect or variation is immaterial when the effect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the works. The Procuring agency/Employer either shall give the bidder an opportunity to cure any deficiency resulting from a minor

informality or irregularity in a bid or waive the deficiency, whichever is advantageous to the Procuring agency/Employer. Examples of minor informalities or irregularities include failure of a bidder to –

26.4.1. Submit the number of copies of signed bids required by the invitation;

26.4.2. Furnish required information concerning the number of its employees;

26.4.3. the firm submitting a bid has formally adopted or authorized, before the date set for opening of bids, the execution of documents by typewritten, printed, or stamped signature and submits evidence of such authorization and the bid carries such a signature.

26.5. Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer may request the bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any such aspect of the technical Proposal linked with the ranking of the bidders. Failure of the bidder to comply with the request may result in the rejection of its bid.

26.6. Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer shall rectify quantifiable nonmaterial nonconformities or omissions related to the Financial Proposal. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or nonconforming item or component.

26.7. If a bid is not substantially responsive, it will be rejected by the Procuring agency/Employer and may not subsequently be evaluated for complete technical responsiveness.

27. Examination of Terms and Conditions; Technical Evaluation

27.1. The Procuring agency/Employer shall examine the bid to confirm that all terms and conditions specified in the **GCC** and the **PCC** have been

accepted by the bidder without any material deviation or reservation.

For this purpose:

“Deviation” means departure from the requirements specified in the Bidding Document.

“Reservation” means setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document.

27.2. The Procuring agency/Employer shall evaluate the technical aspects of the bid submitted in accordance with ITB 30, to confirm that all requirements specified in Section VI – Works Requirement, Technical Specifications of the Bidding Documents have been met without material deviation or reservation.

27.3. If after the examination of the terms and conditions and the technical evaluation, the Procuring agency/Employer determines that the bid is not substantially responsive in accordance with ITB 27, it shall reject the bid.

28. Correction of Arithmetic Errors

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

28.1.1. if there is a discrepancy between unit prices and the sub-total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the sub-total price shall be corrected, unless in the opinion of the Procuring agency/Employer 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;

28.1.2. 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

28.1.3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

28.1.4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

28.2. The amount stated in the Bid will, be rectified by the Procuring agency/Employer 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 shall be rejected after forfeiture of Bid Security or execution of the Bid Securing Declaration, as the case may be, in accordance with **ITB 41.3**.

29. Conversion to Single Currency

29.1. The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works from outside the Procuring agency/Employer's country (referred to as the "Foreign Currency Requirements") shall indicate the same in the letter of bid-financial proposal. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid. Comparison of bids quoted in different currencies and conversion of bids into a single currency shall be carried out in accordance with Rule 30(2) of the Public Procurement Rules, 2004.

30. Evaluation of Bids

30.1. The Procuring agency/Employer shall evaluate and compare only the bids determined to be substantially responsive, pursuant to **ITB 27**.

30.2. In evaluating the Technical Proposal of each Bid, the Procuring agency/Employer shall use the criteria and methodologies listed in the BDS

and in terms of works requirement. No other evaluation criteria or methodologies shall be permitted.

30.3. The Procuring agency/Employer's evaluation of a bid will take into account:

30.3.1. the bid price, excluding provisional sums and the provision, if any, for contingencies in the summary bill of quantities, but including day work items, where priced competitively;

30.3.2. converting the amount resulting from applying above, if relevant, to a single currency in accordance with ITB 29;

30.4. The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.

30.5. If these bidding documents allow bidders to quote separate prices for different lots, and the award to a single bidder of multiple lots, the methodology of evaluation to determine the lowest evaluated lot combinations in the Form of Bid, is specified in the **BDS**.

30.6. If the bid, which results in the Evaluated Bid Price (Successful Bid), is seriously unbalanced or front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

Explanation:

"Unbalanced" or "front-loaded" bids consist of deliberately submitting bids with artificially high prices or unit rates for the early stages of a construction project, offset by artificially low prices or unit rates for the later stages of the project, to improve the contractor's cash flow.

31. Domestic Preference

31.1. If the **BDS** so specifies, the Procuring agency/Employer will grant a margin of preference to the domestic contractor in line with the rules, regulations, regulatory guides or instructions issued by the Authority from time to time.

32. Determination of Successful Bid

32.1. The Procuring agency/Employer shall compare the evaluated bids in accordance with the predefined bidding procedure, of all substantially responsive bids to determine the Successful bidder.

33. Qualification of Bidder

33.1. The Procuring agency/Employer shall determine to its satisfaction whether the bidder is substantially responsive and whose bid is declared as Successful bid either continues to meet (if prequalification applies) or meets (if post-qualification applies) the qualifying criteria specified in Evaluation and Qualification Criteria.

Note: In case of international bidding, the parameters for incorporation or licensing within Pakistan may be fulfilled as part of post qualification.

33.2. The determination shall be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to **ITB 11**.

33.3. Prior to contract award, the Procuring agency/Employer will verify that the successful bidder (including each member of a JV) is not blacklisted/debarred. The Procuring agency/Employer will conduct the same verification for each sub-contractor proposed by the successful bidder.

34. Sub-Contractors

34.1. The bidder shall provide details regarding any specialized sub-contractor to the Procuring agency/Employer. In case change of sub-contractors, the bidder shall promptly notify the Procuring agency/Employer and obtain approval for replacement of sub-contractors.

34.2. Bidders may propose sub-contracting up to the percentage of total value of contracts or the volume of works as specified in the **BDS**.

35. **Abnormally Low Financial Bid**

35.1. A procuring Agency may reject abnormally low bids. The decision of the Procuring agency/Employer to reject a bid and reasons for the decision shall be recorded in the procurement proceedings and promptly communicated to the bidder concerned. Moreover, the Procuring agency/Employer shall not incur any liability solely by rejecting abnormally bid

Guidance for Procuring agency/Employer:

An abnormally low bid means, in the light of the Procuring agency/Employer's estimate and of all the bids submitted, the bid appears to be abnormally low by not providing a margin for normal levels of profit. In order to identify the Abnormally Low Bid (ALB) following approaches can be considered to minimize the scope of subjectivity:

35.1.1. Comparing the bid price with the cost estimate;

35.1.2. Comparing the bid price with the bids offered by other bidders submitting substantially responsive bids; and

35.1.3. Comparing the bid price with prices paid in similar contracts in the recent past either government- or development partner-funded.

35.2. The Procuring agency/Employer will determine to its satisfaction whether the bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in **ITB 11**

35.3. The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to **ITB 11**, as well as such other information as the Procuring agency/Employer deems necessary and appropriate. Factors not included in these bidding documents shall not be used in the evaluation of the bidders' qualifications.

35.4. Procuring agency/Employer may seek “Certificate for Independent Price Determination” from the bidder and the results of reference checks may be used in determining 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.

35.5. 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 bid, in which event the Procuring agency/Employer will proceed to the next ranked bidder to make a similar determination of that bidder’s capabilities to perform satisfactorily.

F. AWARD OF CONTRACT

36. **Criteria of Award**

36.1. Subject to **ITB 36 and 37**, the Procuring agency/Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has been declared as Successful Bidder, provided that such bidder has been determined to be:

36.1.1. eligible in accordance with the provisions of **ITB 3**;

36.1.2. is determined to be qualified to perform the Contract satisfactorily;
and

36.1.3. Successful negotiations have been concluded, if any.

37. **Negotiations**

37.1. The Committee of the Procuring agency/Employer may negotiate with the Most Advantageous Bidder relating to the following areas:

37.1.1. a minor alteration to the technical (drawings, design technical specifications) details of the statement of works;

37.1.2. Methodology, work plan, staffing in view to streamline the work;

37.1.3. a minor amendment to the Particular conditions of Contract;

37.1.4. finalizing payment arrangements;

37.1.5. clarifying details that were not apparent or could not be finalized at the time of Bidding;

37.2. Where negotiation fails to result into an agreement, the Procuring agency/Employer may invite the next ranked bidder for negotiations. Where negotiations are commenced with the next ranked bidder, the Procuring agency/Employer shall not reopen earlier negotiations.

38. Procuring agency's Right to reject All Bids

38.1. The procuring agency has the right to reject all bids in accordance with Rule 33 of the Public Procurement Rules, 2004. However, the Authority (i.e. **PPRA**) may call from the Procuring agency/Employer the justification of those grounds.

39. Notification of Award

39.1. The procuring agency shall announce and publish the evaluation result in accordance with Rule 35 of the Public Procurement Rules, 2004.

39.2. Where no complaints have been lodged, the bidder whose bid has been accepted will be notified of the award by the Procuring agency/Employer prior to expiration of the bid validity period through EPADS. However, the Procuring agency/Employer shall not award any procurement contract at least for five (05) days after the announcement of final evaluation report. The notification letter (herein after and in the condition of the contract and contract form called "Letter of Acceptance" will specify the sum that the Procuring agency/Employer will pay the successful bidder in consideration for the execution and completion of the

works as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

39.3. The notification of award will constitute the formation of the Contract, subject to the bidder furnishing the Performance Security (or guarantee) in accordance with **ITB 41** and signing of the contract in accordance with **ITB 40**.

39.4. Upon the successful bidder's furnishing of the performance security (or guarantee) pursuant to **ITB 41**, the Procuring agency/Employer will promptly notify each unsuccessful bidder, the name of the successful bidder and the Contract amount and will discharge the Bid Security or Bid Securing Declaration of the bidder(s) pursuant to **ITB 17**.

40. Signing of Contract

40.1. Promptly after notification of award, Procuring agency/Employer shall send the successful bidder the draft agreement, incorporating all terms and conditions as agreed by the parties to the contract.

40.2. Immediately after the Redressal of grievance by the **GRC**, and after fulfillment of all conditions precedent of the Contract Form, the successful bidder and the Procuring agency/Employer shall sign the contract.

40.3. Where no formal signing of a contract is required, work order issued to the bidder shall be construed to be the contract.

41. Performance Security (or Guarantee)

41.1. After the receipt of the Letter of Acceptance, the successful bidder, within the specified time, shall deliver to the Procuring agency/Employer a Performance Guarantee in the amount and in the form stipulated in the BDS and PCC, denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the Conditions of Contract.

41.2. If the Performance Guarantee is provided by the successful bidder and it shall be in the form specified in the BDS which shall be in any of the following:

41.2.1. certified cheque, cashier's or manager's cheque, or bank draft;

41.2.2. irrevocable letter of credit issued by a scheduled bank of Pakistan or in the case of an irrevocable letter of credit issued by a foreign bank, the letter shall be confirmed or authenticated by a scheduled bank of Pakistan;

41.2.3. bank guarantee confirmed by a reputable local bank or, in the case of a successful foreign bidder, bonded by a foreign bank; or

41.2.4. surety bond callable upon demand issued by any reputable surety or insurance company.

Any Performance Guarantee submitted shall be enforceable in Pakistan.

41.3. Failure of the Most Advantageous Bidder to comply with the requirement of **ITB 40** shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or declare blacklisted (in case bid securing declaration is submitted) in which event the Procuring agency/Employer may make the award to the next most advantageous bidder or reinitiate the procurement process afresh (as a case may be).

42. **Advance Payment**

42.1. Advance payment will be provided to the bidder in percentage and in the manner as agreed by the both parties in terms of Conditions of the Contract.

42.2. The Procuring agency/Employer will provide an advance payment as stipulated in the Conditions of Contract, subject to a maximum amount, as stated and/or Conditions of the Contract. The advance payment request shall be accompanied by an advance payment security (guarantee) in the form provided in Section X. For the purpose of receiving the advance payment, the bidder shall make and estimate of, and include in its bid, the expenses that will relate to the purchase of equipment, machinery, materials, and on the engagement of labor during the first month beginning with the date of the Procuring agency/Employer's "**Notice to Commence**" as specified in the **PCC**.

43. General Performance of the Bidders

43.1. The Procuring agency/Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts / works. The Procuring agency/Employer may seek information / report from the previous employer for consideration. However, the Procuring agency/Employer shall incorporate such parameters in the evaluation criteria and accordingly decide the fate of the bid submitted.

44. Corrupt & Fraudulent Practices

44.1. Procuring agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Suppliers/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.

G. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM

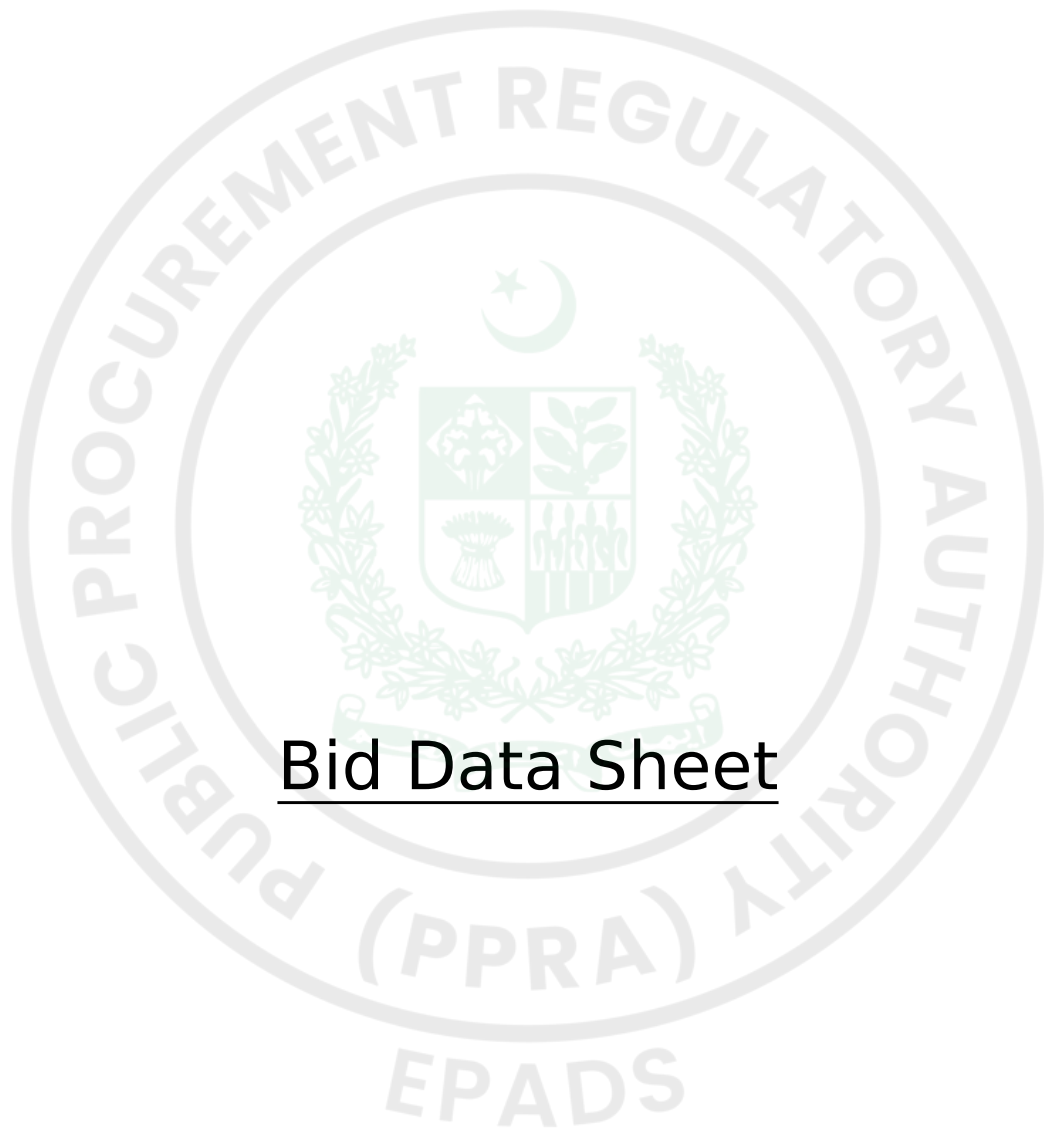
45. Grievance Redressal

45.1. Grievance Redressal shall be carried out in accordance with Rule 48 of the Public Procurement Rules, 2004 i.e. Redressal of grievances by the procuring agency and "Redressal of Grievances Regulations 2021".

H. MECHANISM OF BLACKLISTING

46. Mechanism of Blacklisting

46.1. The Procuring agency/Employer shall proceed Blacklisting of Bidders/Contractors in accordance with Rule 19 of the Public Procurement Rules, 2004 i.e. Blacklisting and "Blacklisting and Debarment of Bidders or Contractors Regulations 2024.



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		
1	1.1	Name of Procuring Agency: State Life, Real Estate Sukkur (State Life Insurance Corporation of Pakistan (SLIC)) The subject of procurement is: Supply Installation, Commissioning & Net Metering of 30KW On-Grid Solar System at State Life Building Minara Road Sukkur Expected commencement date: Monday, December 28, 2026
2.	2.1	Financial year for the operations of the Procuring Agency: 2026-27 Name and identification number of the Contract: P138252
3.	3.1	JV/Consortium or Association Allowed: No Number of JV/Consortium Members: Nil
B. Bidding Documents		

4.	6.2 & 6.4	The Bidders may seek clarifications through EPADS v2.0 : Clarification Date: Tuesday, October 20, 2026
5.	7.2	Any addendum, in case issued, shall be published on State Life, Real Estate Sukkar (State Life Insurance Corporation of Pakistan (SLIC)) website and on EPADS v2.0 .
C. Preparation of Bids		
6.	8.1	List of documents required along with the bid: 1. Valid Registration certificate FBR-NTN With return of last 03 year 2. valid registration certificate SST 3. Undertaking in original for non blacklisting of firm from any govt / semi -govt. / autonomies body or private organization on Rs 100 /- Stamp paper 4. PEC Registration certificate and mandatory technical course EE-04, EE-5, EE-11 5. Registered firm and pakistan (sole partnership, partnership are private) prove required 6. valid tax registration NTN, GST, SRB, ATL
7.	9.1	The qualification criteria to establish the supply / production capability of the bidder. <i>see Eligibility Criteria</i>

8.	11.2	Works and Their related documents: <i>See section Required Scope of Work</i>
9.	11.1	Price schedule will be provided according to the format defined and acquired. <i>see section price schedule.</i>
10.	11.4	Specifications: <i>see section of specifications.</i>
11.	11.5 & 13.5	The price shall be Fixed. The bid price shall be adjusted in accordance with Appendix provided – Formula for Price Adjustment.
12.	14.1	Currency of the Bids shall be : PKR
13.	16.1	The Bids/Bid Validity period shall be: 117 Days
14.	17.1	The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in BDS 6
15.	17.2	The Bid Security shall be in the form of: Pay Order
16.	15.1	Alternative Bids to the requirements of the bidding documents will not be permitted.
D. Submission of Bids		

17.	18.1 & 21.1	Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following; State Life Building, Minara Road, Sukkur Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Bids that are not submitted on EPADS v2.0 shall be disqualified. The deadline for Bids submission is: Wednesday, October 21, 2026 11:00 AM
E. Opening and Evaluation of Bids		
18.	24.1	The Bids opening shall take place on EPADS v2.0. Day : Wednesday Date: October 21, 2026 Time : 11:30 AM
19.	30.2	Selection technique adopted will be: Least Cost Based Selection (LCBS) <i>see Evaluation Criteria</i>
F. Award of Contract		
20.	41.1 & 41.2	The Performance guarantee shall: 0%. The Performance Guarantee shall be acceptable in the form of: Nil
21.	45.1	Arbitrator shall be appointed by mutual consent of the both parties.

G. Review of Procurement Decisions

22.	37	Grievance against this procurement shall be submitted online on EPADS v2.0.
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Eligibility Criteria

Bidder's Type	Required Registration
Any	NADRA CITIZENSHIP (CNIC/NICOP) FBR (NTN) FBR (GSTN) PEC

Eligibility Criteria	Document
SST (SRB) Registration Certificate	Yes
Undertaking in original for non-blacklisting on firm Stemp Paper Rs 100	Yes
PEC EE-04, EE-05, EE-11	Yes
ATL Certificate	Yes

Evaluation Criteria

Least Cost Based Selection (LCBS)

Weightage

Technical Evaluation %	
100	
Technical Marks	100
Passing Marks	55
Technical Evaluation Criteria	
Status of Firm (Quantitative)(Doc Required)	10
03 Year and above (10)	
01 years to less than 03 years (7)	
less than 01 year (3)	
Staff (Quantitative)(Doc Required)	15
full team deloyed.. 01 PEC registered Electrical Engineer and 01 site supervisor (15)	
only 01 of the above 02 roles in places (8)	

Insolation resistance tester (Magger) (Quantitative)(Doc Required)	2
Earth Resistance tester (Quantitative)(Doc Required)	2
Digital multimeter and Clamp meter (Quantitative)(Doc Required)	2
Solar installation tools (Quantitative)(Doc Required)	2
Insolation Resistance tester (mager) (Quantitative)(Doc Required)	2
Experience (Solar project completed) (Quantitative)(Doc Required)	40
03 are more completed project (above 10KW) (40)	
01 to 02 completed projects (25)	
Financial capacity (Quantitative)(Doc Required)	25
Rs 03 million and above (25)	
Rs 1.5 million to less than Rs 03 million (15)	

Jobs/Lots

Lot Title : Supply Installation, Commissioning & Net Metering of 30KW On-Grid Solar System at State Life Building Minara Road Sukkur

Bid Security : 150000 PKR

Job	Delivery Schedule	Quantity
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Supply/ ProvidingofTier-1,Grade-A,610Wto625W,Monoperc, Half cut,HIMO6, N-type of reputable make as per international standard, IEC61215, IEC61730,ISO9001, ISO14001, ISO45001. Brand:Longi/Jinko/Canadian.	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 56/Qty	56/Qty
Supply/ ProvidingofTier-1,Grade-A,ongrid 30KWInverterofreputablemakeasper international standard. IEC62109, IEC61727, IEC62116, IEC60068, IEC61683,IEC610006-2,IEC61000-6-4 Brand:Sungrow/Huawei/SMA.	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job

Supply/ Providing of WIFI Stick including all communication devices & peripherals of reputable make as per international standard.	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job
Providing of AC Cable 16mm², 4 core Copper Wire PVC insulated make Pakistan Cables / Fast Cables or equivalent (from Inverter to AC Combiner Cabinet).	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 60/m	60/m

Providing of Earthing 6mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Structure Earthing)	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 180/m	180/m
Providing of DC Flexible Wire 6mm ² , single core 1500VDC, tin coated Copper Wire XLPO/XLPO insulated make Pakistan Cables / Fast, Cables (for DC wiring of solar panels).	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 1800/m	1800/m

Providing of Earthing 2.5mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Grounding Solar Panels)	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 90/m	90/m
Providing of Earthing Cable 25mm ² , Single core Copper Wire PVC insulated make Pakistan Cables/ Fast Cables or equivalent (from Earth pit to Lightning Arrester).	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 180/m	180/m

Providing of Earthing 10mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables (for Inverter Earthing)	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 180/m	180/m
Supply/ Providing of Elevated Structure including (Height of Front pole: 12 ' & Back pole: 15' Tilt: 7 degrees) With Epoxy Paint, Anti rust epoxy primer & Supporting materials. MS pipe 114mm dia size 14-gauge thickness. MS Main girder I-beam 5"x3" size 10-gauge (3mm)	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job

Constructing of Cemented civil pads for PV Roof mounting shed structure with dimensions LxWxH=12"x12"x6" with MS studs & bolts reinforcement for elevated Structure.	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job
Supply & Providing of Earth Electrodes (Rod Type) for Earthing System with 14mm Dia 3 meters (10feet) long driven Pure copper Solid rod, complete with clamps lugs, washer/bolts, connected with 1 x 25mmsq bare copper. I pipe/UPVC pipe class 'D/E' up to	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 03/job	3/job

16Guage IP-42 AC Combiner Box Floor mounted 400 X 6000 X 200mm with complete filling scheme, railings & isolators for placing AC breakers, RYB indications with energy analyzer. Followings are specifications of floor mounted combiner. 1.I/PMCCB4-Pole,	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job
Providing of Wall Mounted DC Distribution Boxes of 16 Guage IP-42 reputable make for each inverter for placing DC Breakers & DC SPD, Size: WxHxD=1.5'x1.5'x1' with indication lamps, Digital Volt & Ammeter and with all necessary railings & fittings etc	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job

Providing of Misc Items e.g: Cable tray GI 16SWG with 18SWG cover. Accessories (MC4 Connectors,Cable ties ,UPVC conduits ,anchor bolts, PVC flexible pipes & clamps, PVC tapes, Thimbles etc.)	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job
Supply & Providing of Early Streamer Emission (ESE) with remote testing option and having following specifications: Make: As per approved manufacturer's list Type: Generation 3 or Equivalent Reaction time: 45 - 50 micro seconds Maximum Discharge Rati	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/Qty	1/Qty

Supply & Providing of Water Piping Network with PPRC Piping Network for Cleaning of Solar PV Panels with Water Booster Pumps etc. Note: 2No. 3-in-1 special brush, featuring integrated brush, wiper, and water inlet functions for the cleaning of solar	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job
Installation, Commissioning, Net Metering (including NEPRA Charges & KE Meter charges will be responsibility of contractor) and Services of S. No. 1 to 11.	Address: State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province). Schedule: 91 Days Quantity: 01/job	1/job

Related Services :

No



Work Specifications and Market Rates

Lot Title: Supply Installation, Commissioning & Net Metering of 30KW On-Grid Solar System at State Life Building Minara Road Sukkur

Specifications / Requirements:

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
1		Supply/ ProvidingofTier-1,Grade-A,610Wto625W,Monoperc, Half cut,HIMO6, N-type of reputable make as per international standard, IEC61215, IEC61730,ISO9001, ISO14001, ISO45001.	No.	56	22730	Rupees Twelve Lac Seventy Two Thousand Eight Hundred Eighty Only
2	1	Brand:Longi/Jinko/Canadian.				

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
3		Supply/ Providing of Tier-1, Grade-A, on grid 30KW Inverter of reputable make as per international standard. IEC62109, IEC61727, IEC62116, IEC60068, IEC61683, IEC610006-2, IEC61000-6-4		1	726880	Rupees Seven Lacs Twenty Six Thousand Eight Hundred Eighty Only
4		Brand: Sungrow/Huawei/SMA.	No			
5	2		.			
6		Supply/ Providing of WIFI Stick including all communication devices & peripheral of reputable make as per international standard.	No.	1	32450	Rupees Thirty Two Thousand Four Hundred Fifty Only
7	3					

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
8		ProvidingofACCable16mm2, 4 core Copper Wire PVC insulated make Pakistan Cables / Fast Cables or equivalent (from Inverter to AC Combiner Cabinet).	Mtr.	60	4326.72	Rupees Two Lac Fifty Nine Thousand Six Hundred Three And Twenty Paise Only
9		ProvidingofEarthing6mm2,singlecoreCopperWirePVCGreeninsulatedmakePakistan Cables / Fast Cables or equivalent (for Structure Earthing)	Mtr.	180	444.2	Rupees Seventy Nine Thousand Nine Hundred Fifty Six Only

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
10		Providing of DC Flexible Wire 6mm ² , single core 1500VDC , tin coated Copper Wire XLPO/XLPO insulated make Pakistan Cables / Fast, Cables (for DC wiring of solar panels).	Mtr.	1800	472.38	Rupees Eight Lac Fifty Thousand Two Hundred Eighty Four Only
11		Providing of Earthing 2.5mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Grounding Solar Panels)	Mtr.	90	209.65	Rupees Eighteen Thousand Eight Hundred Sixty Eight And Fifty Paise Only

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
12	4	Providing of Earthing Cable 25mm ² , Single core Copper Wire PVC insulated make Pakistan Cables/ Fast Cables or equivalent (from Earth pit to Lightning Arrester).	Mtr.	180	1815.29	Rupees Three Lac Twenty Six Thousand Seven Hundred Fifty Two And Twenty Paise Only
13		Providing of Earthing 10mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables (for Inverter Earthing)			808.55	Rupees One Lac Forty Five Thousand Five Hundred Thirty Nine Only
14			Mtr.	180		

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
15		Supply/ Providing of Elevated Structure including (Height of Front pole: 12 ' & Back pole: 15' Tilt: 7 degrees) With Epoxy Paint, Anti rust epoxy primer & Supporting materials. MS pipe 114mm dia size 14-gauge thickness. MS Main girder I-beam 5"x3" size 10-gauge (3mm) thickness. 1.8kg/ft. MS Secondary girder I-beam 5"x3" size 10-gauge (3mm) thickness. 1.8kg/ft. MS top plate 6"x6" size 4mm thickness. MS base plate 8"x8" size 8mm thickness. MS square pipe 1"x2" size 18-gauge thickness (for walkway & ladder). Aluminum T & Z clamps. Respective calculations (ASCE 7-10) subject to wind speed will be provided with the bid.			1116942	Rupees Eleven Lacs Sixteen Thousand Nine Hundred Forty Two Only
16			Job.	1		
17	5	Constructing of Cemented civil pads for PV Roof mounting shed structure with dimensions LxWxH=12"x12"x6" with MS studs & bolts reinforcement for elevated Structure.			97125	Rupees Ninety Seven Thousand One Hundred Twenty Five Only
18			Job.	1		

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
19		Supply & Providing of Earth Electrodes (Rod Type) for Earthing System with 14mm Dia 3 meters (10feet) long driven Pure copper Solid rod, complete with clamps lugs, washer/bolts, connected with 1 x 25mmsq bare copper. I pipe/UPVC pipe class 'D/E' up to Earth chamber, job includes cad- welding of copper conductor to earth electrode rod at one end and provision/fixing of cable lugs at other end, including all accessories and RCC inspection chamber, heavy duty G.I. Cover having earth symbol, etc as per the specifications and Drawings and to the entire satisfaction and approval of the Engineer. Minimum depth of the earth pit should be 20ft, Earthing result should be less than 1 Ohm for AC/DC/LA			74874	Rupees Two Lac Twenty Four Thousand Six Hundred Twenty Two Only
20	6					
21			Job.	3		
22		16Guage IP-42 AC Combiner Box Floor mounted 400 X 6000 X 200mm with complete filling scheme, railings & isolators for placing AC breakers, RYB indications with energy analyzer. Followings are specifications of floor mounted combiner.			112805	Rupees One Lac Twelve Thousand Eight Hundred Five Onl
23		1.I/PMCCB4-Pole,400VAC,63ampx1Nos.				
24	7	2.SPD4-Pole,400VAC,40KAx1Nos.				
25		EnergyAnalyzerx1NosBrandPhoenix	Job.	1		
26		PhaseIndicationLightsx1Nos				

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
27		Providing of Wall Mounted DC Distribution Boxes of 16 Guage IP-42 reputable make for each inverter for placing DC Breakers & DC SPD, Size: WxHxD=1.5'x1.5'x1' with indication lamps, Digital Volt & Ammeter and with all necessary railings & fittings etc as per site requirements.			141007	Rupees One Lac Forty One Thousand Seven Only
28	8					
29			Job.	1		
30		Providing of Misc Items e.g: Cable tray GI 16SWG with 18SWG cover. Accessories (MC4 Connectors,Cable ties ,UPVC conduits ,anchor bolts, PVC flexible pipes & clamps, PVC tapes, Thimbles etc.)			451294	Rupees Four Lac Fifty One Thousand Two Hundred Ninety Four Only
31	9		Job.	1		

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
32		Supply & Providing of Early Streamer Emission (ESE) with remote testing option and having following specifications: Make: As per approved manufacturer's list Type: Generation 3 or Equivalent Reaction time: 45 - 50 micro seconds Maximum Discharge Rating: 100 kA Material: Stainless Steel or as per manufacturer's specifications Length: 400mm or as per manufacturer's specifications Level of Protection: Level 1 Protection Radius: 65 m Risk Assessment / Coverage Calculation Via Software. Mounting height (from Roof top to tip of ESE): 5m or as specified			249582	Rupees Two Lac Forty Nine Thousand Five Hundred Eighty Two Only
33	10					
34			No.	1		
35		Supply & Providing of Water Piping Network with PPRC Piping Network for Cleaning of Solar PV Panels with Water Booster Pumps etc. Note: 2No. 3-in-1 special brush, featuring integrated brush, wiper, and water inlet functions for the cleaning of solar panels, will be handed over to the client.			166388	Rupees One Lac Sixty Six Thousand Three Hundred Eighty Eight Only
36	11					
37			Job	1		

Sr. No	Ref. No.	Description	UNIT	QTY	RATE	
38					561024	Rupees Five Lac Sixty One Thousand Twenty Four Only
39	12	Installation, Commissioning, Net Metering (including NEPRA Charges & KE Meter charges will be responsibility of contractor) and Services of S. No. 1 to 11.	Job	1		
40	13	Spares	job	1		
						GRAND TOTAL:

Scope of Work

SUPPLY INSTALLATION, COMMISSIONING & NET METERING OF 30KW ON-GRID SOLAR SYSTEM AT STATE LIFE BUILDING SUKKUR

SCOPE OF WORK / BILL OF QUANTITY

S.NO	DESCRIPTIONSOFWORK	QTY	UNIT	ACKNOWLEDGE
1	Supply/ ProvidingofTier-1,Grade-A,610Wto625W,Monoperc, Half cut,HIMO6, N-type of reputable make as per international standard, IEC61215, IEC61730,ISO9001, ISO14001, ISO45001. Brand: Longi/ Jinko/Canadian or equivalent	56	No.	
2	Supply/ ProvidingofTier-1,Grade-A,ongrid 30KWInverterofreputablemakeasper international standard. IEC62109, IEC61727, IEC62116, IEC60068, IEC61683, IEC610006-2,IEC61000-6-4. Brand: Sungrow/Huawei/SMAor equivalent	1	No	

3	Supply/ Providing of WIFI Stick including all communication devices & peripheral of reputable make as per international standard.	1	No.	
4	Providing of AC Cable 16mm ² , 4 core Copper Wire PVC insulated make Pakistan Cables / Fast Cables / Universal cables or equivalent (from Inverter to AC Combiner Cabinet).	60	Mtr.	
	Providing of Earthing 6mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Structure Earthing).	180	Mtr.	

Providing of DC Flexible Wire 6mm ² , single core 1500VDC, tin coated Copper Wire XLPO/XLPO insulated make Pakistan Cables / Fast, Cables / Universal cables or equivalent (for DC wiring of solar panels).	1800	Mtr.	
Providing of Earthing 2.5mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables / Universal cables or equivalent (for Grounding Solar Panels).	90	Mtr.	
Providing of Earthing Cable 25mm ² , Single core Copper Wire PVC insulated make Pakistan Cables / Fast Cables or equivalent (from Earth pit to Lightning Arrester).	180	Mtr.	
	Providing of Earthing 10mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables / Universal cables (for Inverter Earthing).	180	Mtr.

5	Supply/ Providing of Elevated Structure including (Height of Front pole: 12' & Back pole: 15' Tilt: 7 degrees) With Epoxy Paint, Anti rust epoxy primer & Supporting materials. MS pipe 114mm dia size 14-gauge thickness. MS Main girder I-beam 5"x3" size 10- gauge (3mm) thickness. 1.8kg/ft. MS Secondary girder I- beam 5"x3" size 10-gauge (3mm) thickness. 1.8kg/ft. MS top plate 6"x 6" size 4mm thickness. MS base plate 8"x8" size 8mm thickness. MS square pipe 1"x2" size 18-gauge thickness (for walkway & ladder). Aluminum T & Z clamps. Respective calculations (ASCE7-10) subject to wind speed will be provided with the bid.	1	Job.
Constructing of Cemented civil pads for PV Roof mounting shed structure with dimensions L x W x H = 12"x12"x6" with MS studs & bolts reinforcement for elevated Structure.	1	Job.	

6	Supply & Providing of Earth Electrodes (Rod Type) for Earthing System with 14mm Dia 3 meters (10feet) long driven Pure copper Solid rod, complete with clamps lugs, washer/bolts, connected with 1 x 25mmsq bare copper. 1 pipe/UPVC pipe class 'D/E' up to Earth chamber, job includes cad- welding of copper conductor to earth electrode rod at one end and provision/fixing of cable lugs at other end, including all accessories and RCC inspection chamber, heavy duty G.I. Cover having earth symbol, etc as per the specifications and Drawings and to the entire satisfaction and approval of the Engineer. Minimum depth of the earth pit should be 20ft, Earthing result should be less than 1 Ohm for AC/DC/LA.	3	Job.	
7	16Guage IP-42 AC Combiner Box Floor mounted 400 X 6000 X 200mm with complete filling scheme, railings & isolators for placing AC breakers, RYB indications with energy analyzer. Followings are specifications of wall mounted combiner.	1	Job.	
MCCB 4-Pole,400 VAC, 63Ampx1Nos.				
SPD4-Pole,400VAC, 40kAx1Nos. Brand: ACCU-Panels Energy or similar				

EnergyAnalyzerx1Nos	Brand: Phoenix			
PhaseIndicationLightsx1Nos				
8	Providing of Wall Mounted DC Distribution Boxes of 16 Gauge IP-42 reputable make for each inverter for placing DC Breakers & DC SPD, Size: WxHxD=1.5'x1.5'x1' with indication lamps, Digital Volt & Ammeter and with all necessary railings & fittings etc as per site requirements.	1	Job.	
9	Providing of Misc Items e.g. Cable tray GI 16SWG with 18SWG cover. Accessories (MC4 Connectors, Cable ties, UPVC conduits, anchor bolts, PVC flexible pipes & clamps, PVC tapes, Thimbles etc.)	1	Job.	

10	Supply & Providing of Early Streamer Emission (ESE) with remote testing option and having following specifications: Make: As per approved manufacturer's list Type: Generation 3 or Equivalent Reaction time: 45 - 50 micro seconds Maximum Discharge Rating: 100 kA Material: Stainless Steel or as per manufacturer's specifications Length: 400mm or as per manufacturer's specifications Level of Protection: Level 1 Protection Radius: 65 m Risk Assessment / Coverage Calculation Via Software. Mounting height (from Roof top to tip of ESE): 5m or as specified	1	No.	
11	Supply & Providing of Water Piping Network with PPRC Piping Network for Cleaning of Solar PV Panels with Water Booster Pumps etc. Note: 2No. 3-in-1 special brush, featuring integrated brush, wiper, and water inlet functions for the cleaning of solar panels, will be handed over to the client.	1	Job	
12	Installation, Commissioning, Net Metering (including NEPRA Charges & WAPDA Meter charges will be responsibility of contractor) and Services of S. No. 1 to 11.	1	Job	
13	Spares	1	Job	

Price Schedule

For Individual Jobs

#	Job 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

1.1.1. “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;

1.1.2. “The Contract” means an agreement enforceable by law;

1.1.3. “The Contract Price” means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations;

1.1.4. “The Services” means the work to be performed by the Contractor pursuant to this Contract and as prescribed in the Specifications and Schedule of Activities included in the Contractor’s Bid;

1.1.5. “Ancillary Services” means those services ancillary to the provision of Services, 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 Contractor covered under the Contract;

1.1.6. “GCC” means the General Conditions of Contract contained in this section;

1.1.7. “SCC” means the Special Conditions of Contract by which the GCC may be amended or supplemented;

1.1.8. “Day” means calendar day unless indicated otherwise;

1.1.9. “Effective Date” means the date on which this Contract comes into force and effect;

1.1.10. “The Contractor” means the individual or corporate body whose Bids to provide the Services has been accepted by the Procuring Agency;

1.1.11. “The Project Site,” where applicable, means the place or places named in Bid Data Sheet and technical Specifications;

1.1.12. “Government” means the Government of Pakistan;

1.1.13. “Local Currency” means the currency of Pakistan;

1.1.14. “In Writing” means communicated in written form with proof of receipt;

1.1.15. “Completion Date” means the date of completion of the Services by the Contractor as certified by the Procuring Agency;

1.1.16. “Foreign Currency” means any currency other than the currency of the country of the Procuring Agency;

1.1.17. "Party" means the Procuring Agency or the Contractor, as the case may be, and "Parties" means both of them;

1.1.18. "Service" means any object of procurement other than goods or works;

1.1.19. "Subcontractor" means any entity to which the Bidder subcontracts any part of the Services.

2. Applicable Law

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

3. Language

3.1. The Contract as well as all correspondence and documents relating to the Contract exchanged between the Contractor 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.

4. Notices

4.1. 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.

5. Location

5.1. The Services shall be performed at such locations as the Procuring Agency may approve and as specified in SCC.

5.2. A {DOCUMENTS}

6. Authorized Representatives / Authority of Member in charge

6.1. 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 Contractor may be taken or executed by the officials specified in the SCC.

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

7. Effectiveness of Contract

7.1. 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.

8. Commencement of Services

8.1. The Contractor 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.

9. Program schedule

9.1. Before commencement of the Services, the Contractor 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.

10. Starting Date/Expiration Date

10.1. The Contractor 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.

10.2. Unless terminated earlier pursuant to Clause **GCC 14** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

11. Entire Agreement

11.1. 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.

12. Modification

12.1. 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 modification(s) or variation(s) made by the other Party.

12.2. In cases of any modification(s) or variation(s), the prior written consent of the Procuring Agency is required.

13. Force Majeure

13.1. Definition

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

13.2. 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.

13.3. Extension of Time

Any period within which a Contractor 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.

13.4. Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Contractor 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.

14. Termination

14.1. 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 Contractor 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);

14.1.1. If the Contractor fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;

14.1.2. If the Contractor becomes (or, if the Contractor 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;

14.1.3. If the Contractor fails to comply with any final decision reached as a result of arbitration proceedings;

14.1.4. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

14.1.5. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

14.2. By the Contractor

The Contractor 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.

14.2.1. If the Procuring Agency fails to pay any money due to the Contractor pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Contractor that such payment is overdue;

14.2.2. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

14.2.3. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration;

14.2.4. 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 Contractor's notice specifying such breach.

C. Obligations of the Contractor

15. General

15.1. Standard of Performance

15.1.1. The Contractor shall perform the Services 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 Contractor 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;

15.1.2. The Contractor shall employ and provide such qualified and experienced Experts and Sub-Contractors as are required to carry out the Services.

15.2. Law Applicable to Services

The Contractor shall perform the Services 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.

16. Conflict of Interests

16.1. Contractor Not to Benefit from Commissions and Discounts

The remuneration of the Contractor shall constitute the Contractor's sole remuneration in connection with this Contract or the Services, and the Contractor 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 Contractor 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.

16.2. Contractor and Affiliates Not to be Otherwise Interested in Project

The Contractor agree that, during the term of this Contract and after its termination, the Contractor and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

16.3. 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:

16.3.1. 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;

16.3.2. during the term of this Contract, neither the Contractor nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

16.3.3. after the termination of this Contract, such other activities as may be specified in the **SCC**.

17. Insurance to be Taken Out by the Contractor

17.1. The Contractor(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Sub-contractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, 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.

18. Contractor's Actions Requiring Procuring Agency's Prior Approval

18.1. The Contractor shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

18.1.1. appointing such members of the Personnel not provided by the Contractor;

18.1.2. changing the Program of activities; and

18.1.3. any other action that may be specified in the **SCC**.

19. Reporting Obligations

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

20. Liquidated Damages

20.1. Payments of Liquidated Damages

The Contractor shall pay liquidated damages to the Procuring Agency at the rate per day stated in the **SCC** for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the **SCC**. The Procuring Agency may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

20.2. 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 Contractor by adjusting the next payment certificate. The

Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in **SCC**.

20.3. Lack of performance penalty

If the Contractor 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 Contractor. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the Contractor

21. Performance Guarantee

21.1. Within the time stipulated in the acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape and amount **specified in SCC**.

21.2. 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.

21.3. 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**.

21.4. 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**.

22. Sustainable Procurement

22.1. The Contractor shall conform to the sustainable procurement contractual provisions, if and as specified in the **SCC**.

D. Contractor's Personnel

23. Description of Personnel

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

24. Removal and / or Replacement of Personnel

24.1. 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 Contractor, it becomes necessary to replace any of the Key Personnel, the Contractor shall provide as a replacement a person of equivalent or better qualifications.

24.2. 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 Contractor 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.

24.3. The Contractor 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

25. Change in the Applicable Law

25.1. 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 Services rendered by the Contractor, then the remuneration and reimbursable expenses otherwise payable to the Contractor 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.

26. Services and Facilities

26.1. The Procuring Agency shall make available to the Contractor and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described in the Terms of Reference, at the times and in the manner specified in the Terms of Reference.

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

F. Payments to the Contractor

27. Contract Price

27.1. The price payable shall be in Pakistani Rupees unless otherwise specified in the SCC.

28. Terms and Conditions of Payment

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

28.2. Unless otherwise stated in the SCC, the advance payment shall be made against the provision by the Contractor 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 Contractor have submitted an invoice to the Procuring Agency specifying the amount due.

29. Quality Control Identifying Defects

29.1. The principle and modalities of Inspection of the Services by the Procuring Agency shall be as indicated in the SCC. The Procuring Agency shall check the Contractor's performance and notify him of any Defects that are

found. Such checking shall not affect the Contractor's responsibilities. The Procuring Agency may instruct the Contractor 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.

29.2. A {INSPECTION}

30. Correction of Defects, and Lack of Performance Penalty

30.1. The Procuring Agency shall give notice to the contractor 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.

30.2. Every time notice a Defect is given; the contractor shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

30.3. If the contractor 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 contractor will pay this amount, and a Penalty for Lack of Performance.

31. Settlement of Disputes Amicable Settlement

31.1. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

32. Dispute Settlement

32.1. Arbitration

If any dispute of any kind whatsoever shall arise between the procuring agency and the contractor in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the contract, the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference even after negotiations or mediation, then the dispute shall be referred within fourteen (14) days in writing by either party to the Arbitrator, with a copy to the other party.

Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with **GCC sub-clause 32.1**, shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion of the Contract. Arbitration proceedings shall be conducted in accordance with Arbitration Act 1940. Notwithstanding any reference to arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless otherwise agreed. The Procuring Agency shall continue to pay the Contractor any undisputed amounts due under the Contract during the resolution of any dispute.



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,Real Estate Sukkar (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager State Life Buildng, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province).

The Supplier is:

The title of the subject procurement is: Supply Installation, Commissioning & Net Metering of 30KW On-Grid Solar System at State Life Building Minara Road Sukkur

Number of GC Clause 2

Applicable/Governing Law:

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

Number of GC Clause 3

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 4

Notices:

The addresses for the notices are:

Procuring Agency:

State Life,Real Estate Sukkar (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager State Life Buildng, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province).

+92-300-399-4070

realestatesukkur@gmail.com

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 6.1

The Authorized Representatives are:

For the Procuring Agency:

State Life,Real Estate Sukkur (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager
State Life Building, Minara Road, Sukkur Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh
(Province).

+92-300-399-4070

realestatesukkur@gmail.com

For the Bidder:

Name:

Designation:

Address:

Number of GC Clause 7

Effectiveness of the contract

The Contractor/Bidder shall be effective within days from the date of signature of the Contract by both parties

Number of GC Clause 8

Commencement of Contract:

The Contractor/Bidder shall provide Non-Consultancy Services from the effective date of contract.

Number of GC Clause 10.2

Expiration of Contract:

The time period shall be

Number of GC Clause 14

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 16

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 20

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 **0.10% 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 21

Performance Guarantee:

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

Number of GC Clause 27

Currency of Payment:

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

Number of GC Clause 28

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 29

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)

Delivery & Documents

Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;

Original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;

Copies of the packing list identifying contents of each package;

Insurance Certificate;

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 31

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... (full clause unchanged)
- ii. At future of negotiation the dispute shall be resolved through mediation...
- iii. At failure of mediation, arbitration under Arbitration Act 1940...
- iv. Cost sharing equally...
- v. Proceedings may commence before/after completion...

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder shall be referred to arbitration under the laws of Pakistan including Arbitration Act 1940.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place shall be Islamabad. The award shall be final and binding.



Bid Securing Declaration

Form 9: Bid Securing Declaration

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

Bid No.: **P138252**

To: **State Life, Real Estate Sukkar (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province).**

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,Real Estate Sukkar (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province).**

(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 Installation, Commissioning & Net Metering of 30KW On-Grid Solar System at State Life Building Minara Road Sukkur (P138252)** 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.

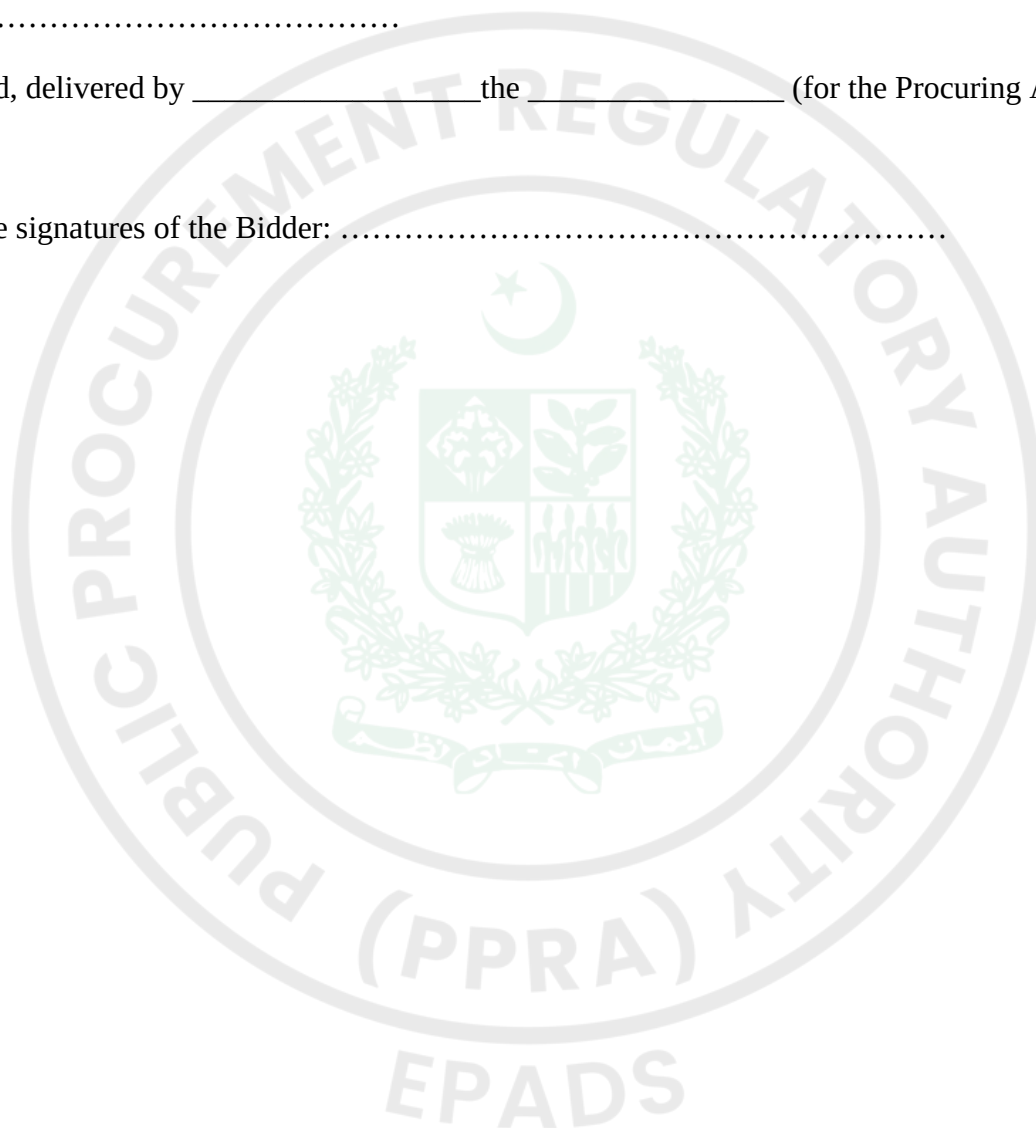
Signed, sealed, delivered by _____ the _____ (for the Procuring Agency)

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,Real Estate Sukkar (State Life Insurance Corporation of Pakistan (SLIC)), Deputy Manager State Life Building, Minara Road, Sukkar Zone., Sukkur, Sukkur (District), Sukkur (Division), Sindh (Province).**

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 Documents

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Documents** (page number: 100)





Procurement Forms







Additional Forms and Documents

**INVITATION TO TENDER SUPPLY INSTALLATION, COMMISSIONING & NET METERING OF 30KW ON-GRID
SOLAR SYSTEM AT STATE LIFE BUILDING MINARA ROAD SUKKUR**

Tender No. RE/SOLAR/SUK/SEP/2026

INVITATION TO BID

1. *State Life Insurance Corporation of Pakistan* ,invites bids via E-PADS under Single stage two envelope procedure, from the original authorized distributors/ suppliers/ Contractors etc., having relevant experience of installation of solar system in Federal Government organizations, Banks and Multinational Companies in Pakistan and registered with the concerned authorities for **“SUPPLY INSTALLATION, COMMISSIONING & NET METERING OF 30KW ON-GRID SOLAR SYSTEM AT STATE LIFE BUILDING MINARA ROAD SUKKUR.”**. The firms should have proper office, telephone number, N.T.N and should be duly registered with e-PADS, FBR on the ATL & GST list.
2. Bidding documents, containing detailed terms and conditions, etc. are available for on E-PADS v.2.0 for participation.
3. The bids prepared in accordance with the instruction in the bidding documents, must be submitted through E-PADS v.2.0 on or before **21-10-2026 at 11:00 AM**. Bids will be opened on same day at **11:30 AM**
4. Contractor is advised to submit original bid security and hard copies of original bids shall also be submitted in the office of In-charge (Real Estate Department) 7th floor, State Life Building, Thandi Sarak Hyderabad. On OR before 21-10-2026 at 11:00 AM.
5. This advertisement is also available on State Life website www.statelife.com.pk & PPRA website www.ppra.org.pk however, the bids shall be submitted through E-PADS. v.2.0 Any bid submitted other than E-PADS v.2.0 will not be consider.
6. State Life Insurance Corporation of Pakistan reserve right to accept / reject all bids in accordance with PPRA Rules.

Mazhar Uddin Shaikh
INCHARGE (Real Estate)
5th Floor, State-Life Building
Minara Road Sukkur
Ph:071-9310503

STATE LIFE BUILDING SUKKUR

Tender No. RE/SOLAR/SUK/SEP/2026

Documents for

TECHNICAL BID

(NOTE: PRICE CANNOT BE QUOTED IN TECHNICAL BID)

Name of work:

TENDER DOCUMENTS FOR THE:

SUPPLY INSTALLATION, COMMISSIONING & NET METERING OF 30KW ON-GRID SOLAR SYSTEM AT STATE LIFE BUILDING SUKKUR.

Contents:

- | |
|--|
| <ul style="list-style-type: none">i. Instruction for Tender (02Pages).ii. The Tender and Performa 'A' & 'B' (04+01Pages)iii. The Scope of Work, terms conditions & Bill of Quantity (B.O.Q) 05Pages)iv. Technical Evaluation Criteria (TEC) (04Pages-Landscape)v. The General Conditions of Contract with the Form of the Agreement and Bond |
|--|

Bid Security of Amount (Rs) 150,000/- in form of pay order (in original), must be delivered at Office of In-Charge (Real Estate Department) 7th Floor, State Life Building Thandi Sarak Hyderabad before the Time & Date mentioned in the Tender Notice.

Date.....

N. B: All tender documents read carefully, to be filled properly and duly signed & stamped each paper before uploading it to EPADS. V.2.0 Incomplete tender bids will not be considered.

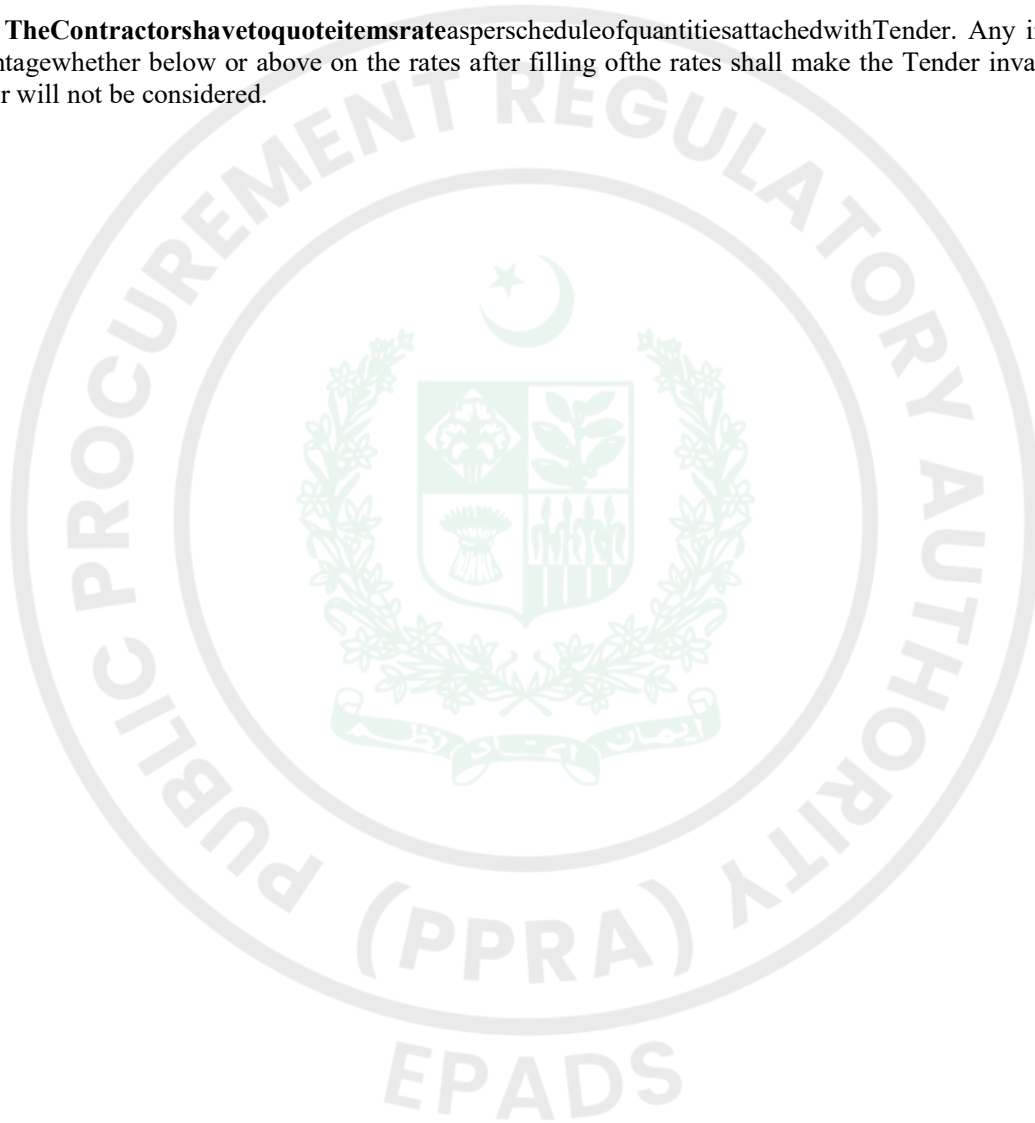
STATE LIFE BUILDING SUKKUR**“INSTRUCTION FOR TENDER”**

1. **The Tenderer should examine carefully the General Conditions of Contract**, the Specification and the drawing supplied herewith. He should visit and inspect the Site on his own responsibility and at his own expense to obtain all the information which may be necessary for the purpose of making a Tender.
2. **The Tenderer set down the rates and prices** against the items in the Bill of Quantities are to be the full inclusive value of the finished work described there under and shall cover profit and all obligations of every kind which under the Contract are to be borne by the Contractor.
3. **The Quantities set out in the Bill of Quantities** are estimated only and their accuracy or inaccuracy shall in no way effect the validity of the Tender or of any Contract based thereon. The total amount of the various item set out in the Bill of Quantities at the rates or prices inserted by the Tenderer shall be stated in each case, but this figure is required solely for the purpose of facilitating the comparison of the various Tenders received and shall not be deemed to be the actual sum which is to be paid to the Contractor for the execution of the work. The actual sum to be paid to the Contractor whose Tender is accepted will be determined by measuring the work, actually done in accordance with the Contract and valuing it at the rates or prices inserted by the Contractor in the Bill of Quantities.
4. **The Contractor whose Tender accepted will be required to enter into an Agreement Form** of which (subject to any necessary adaptations) will be as set out in the Form appended to the General conditions of the Contract.
5. **The Contractor whose Tender accepted will also be required to furnish a Security deposit/performance guarantee** in form of Bank guarantee from schedule bank of Pakistan till the successful completion of the Contract, for the sum equivalent to **Five percent (5%)** of the Contractor price for the due performance of the Contract, (see Clause-9 of the General Conditions of Contract).
6. **Tenders must be made on the separate Form** supplied herewith must be accompanied by two copies of the Bill of quantities fully priced, monies out and totaled in ink and sign by Tenderer. Tender must be reached to the Office of In-Charge (Real Estate Department) 7th Floor, State Life Building Thandi Sarak Hyderabad, not later than the time stated in the Tender Notice.
7. **No unauthorized alteration may be made in the Form of Tender** or the accompanying Documents and if alteration is made or if the Bill of Quantities is not properly filled in, or if these instructions are not fully complied with the Tender may be rejected.
8. **Tenderer must be produced evidence with their Tender**, that they had experience and are fully capable carrying out the work of this class and magnitude and must give full details of the plant they propose to use on the works in **Performa “A”**.
9. **State Life Insurance of Corporation Pakistan reserves to themselves the right** to reject any Tender without any reason or to accept any Tender in whole or in part and do not bind themselves to accept the lowest or any Tender.
10. **Should there be any doubt or obscurity as to the meaning of any Tender Documents** or if any further information is required, the Tenderer must address his enquiry in writing (in duplicate) to the Office of In-Charge (Real Estate Department) 7th Floor, State Life Building Thandi Sarak Hyderabad, not later than two weeks before the date fixed for the delivery of Tender.

11. Each Tender must be accompanied by the requisite amount of Earnest money deposit either in Pay Order / Demand Draft /Bank Guarantee of a recognizedPakistanor a foreign bank with presence inPakistan in favour of M/s.**State Life Insurance Corporation of Pakistan,Bankers Guaranteed Bond** valid for an indefinite period or a pay order drawn in favor of the **State Life Insurance Corporation of Pakistan**.The earnest money will be refunded to the unsuccessful Tenderer to after the Tender are decided. (See **Clause-9 of the General Conditions of Contract**).

12. The Tender must be submitted through Epads V.2.0 online before the due time and date fixed for opening of the Tender.Physical submission shall not be accepted in any casebefore the due time and date fixed for opening of the Tender.

13. TheContractorshavetoquoteitemsrateas perscheduleofquantitiesattachedwithTender. Any insertion of percentagewhether below or above on the rates after filling ofthe rates shall make the Tender invalid and the Tender will not be considered.



GENERAL INFORMATION

Sr. No.	Description
1	Enclosed, please find herewith Tender Documents for the subject work as per single stage two envelope procedure of PPRA Rules. Please submit the same duly filled and completed in all respects on E-PADs V.2.0 at the latest by 21-10-2026 at 11:00AM.
2	The bid(s) shall be submitted on E-Pad(s) V.2.0 only.
3	Contractor is advised to submit Original Bid Security on or before 21-10-2026 at 11:00 hours in the office of In-charge (Real Estate), 7th Floor, State Life Building #03, Thandi Sarak, Hyderabad.
4	All queries / clarifications required from bidder shall be addressed on working days through E-PADs. V.2.0
5	State Life will reject proposal for award of contract if it determines that the firm recommended for award of contract has engaged in corrupt or fraudulent activities in competing for the contract.
6	The successful contractor will follow all instructions issued by the Corporation.
7	The Agency may, at its discretion, extend the dead line for submission of bids by amending the bidding documents.
8	Any bid received after the submission dead line prescribed by the Procuring Agency will be rejected and returned unopened.
9	Tender shall be submitted through E-Procurement System of PPRA (E-PAD). V.2.0 No manual tender shall be accepted.
10	State Life Insurance Corporation of Pakistan reserves the right to accept or reject all bids in accordance with PPRA Rules.

MANDATORY REQUIREMENTS

Sr. No.	Requirement
I	Registration on Portal– EPADS V.2.0
II	Valid Registration Certificate FBR – NTN with Return of last 03 years
III	Valid Registration Certificate– SST
IV	Undertaking in original for non-blacklisting of firm from any Govt. / Semi-Govt. /Autonomous Body or Private Organization on Rs. 100/- Stamp Paper.
V	Pakistan Engineering Council registration certificate in mandatory technical codes EE-04,EE-05, EE-11

SALIENT FEATURES OF CONTRACT

(Blanks to be filled by the Bidder)

Clause	Description	Details
A	Submission of Tender	Through EPADS V.2.0
B	Title of Work	SUPPLY INSTALLATION & COMMISSIONING OF 30 KW ON-GRID SOLAR SYSTEM AT STATE LIFE BUILDING, MINARA ROAD, SUKKUR.
C	Amount of Bid Security	Rs.150,000/- in shape of Pay Order /Bank Draft in favor of State Life Insurance Corporation of Pakistan
D	Bid Security Forfeiture	i) If the bid is withdrawn after opening ii) If the bidder does not accept Letter of Award or refuses to enter into contract
E	Release of Bid Security	i) To unsuccessful bidders on acceptance of lowest bid ii) To lowest bidder on submission performance guarantee
F	Validity of Tender	One Hundred Twenty (120) Days from date of opening of bid
G	Commencement of Work	Not later than Seven (07) Days from date of issuance of Letter of Award
H	Period of Contract	3 Months from date of commencement of work
I	Working Days	Six (06) working days except gazette holidays (08:30 hrs to 17:30 hrs)
J	Defect Liability Period	12 Months from date of completion of project including net metering.
K	Third Party Insurance	Rs. 500,000/- (Minimum for any one incident for loss of property or life)
L	Retention Money	5% deduction from each bill, released after defect liability period.
M	Performance Guarantee	5% of Quoted Amount and shall be released after completion of Defect liability period
N	Venue / City	State Life Building, Minara Road, Sukkur
O	Payment Terms	Payment shall be made according to the bill claimed by the Contractor against actual executed items, duly verified and certified by the Engineer / In-Charge. The minimum payable amount per bill shall not be less than Rs.1,500,000/- (Rupees One Million Five Hundred Thousand only). Bills of lesser amount may be carried forward and paid once cumulative value reaches Rs. 1.5 Million. All statutory deductions shall apply.
P	Liquidated Damages	0.1% per day upto a maximum of (10%) of sum stated in the Letter of Acceptance/Award.
Q	Non-Blacklisting	Undertaking in original for non-blacklisting of firm from any Govt. / Semi-Govt. / Autonomous Body or Private Organization on Rs. 100/- Stamp Paper.
	Signing Of Contract Agreement	- Upon acceptance of the tender the supplier shall execute with the State Life Insurance Corporation of Pakistan a proper agreement on judicial stamp paper of containing certain terms and conditions in the form prescribed by the State Life Insurance Corporation of Pakistan within Seven (07) days from the acceptance of Letter of Award. - The contract shall be Governed and interpreted in all respects in accordance with the Law of Pakistan. - State Life Insurance Corporation of Pakistan reserves the right to reject any or all offers, as per provisions of PPRA Rules.

STATE LIFE BUILDING SUKKUR**“THE TENDER”**

Tenderer required to fill in the blank space in the tender Form and the attached Performa “A”

To,

Office of In-Charge

(Real Estate Department) 7th Floor,

State Life Building Thandi Sarak Hyderabad

Description of work

.....

1. Having examined the drawing, General Conditions of Contract, and special condition of Contract (if any), specification and Bill of Quantities for the above-named works. We the undersigned offer to carry on the said works in conformity with the said Drawings General Conditions of the Contract, Special conditions of Contract (if any) specification and Bill of quantities for the sum of Rupees: (Rs) or such other sums as may be ascertained with the said conditions.

2. We undertake if our tender is accepted in whole or in part to commence the work within days of receipt of the Engineer's order to commence and to complete and deliver the whole of the work comprised in the Contract within days calculated from the last day of the aforesaid period in which the works are to be commenced.

3. If our tender is accepted in whole or in part we will furnish a Security deposit for due performance of the Contract in accordance with **Clause-9 of the General Conditions of Contract**.

4. We agree to abide by the tender for a period of days from the date fixed for receiving Same and it shall remain binding upon us may be accepted at any time before expiration of that period.

5. Unless and until a formal Agreement is prepared and executed, this tender, together with your written acceptance thereof, shall constitute a binding Contract between us.

6. We understand that you are not bound to accept the lowest or any tender; you may receive and accept any tender in part or in whole.

7. We further agree to pay all cost toward the execution of the Contract Agreement including the cost of stamps.

8. We agree that should we withdraw the offer within the aforesaid period or fail to execute the formal Contract Agreement and / or make the required Security deposit in the name of, **State Life Insurance Corporation of Pakistan** shall be at liberty at their absolute discretion to appropriate our earnest money deposit of Rs. Either as agreed liquidated damages without any proof whatsoever of the extend of such damages or an account, reserving to themselves the right to recover from us any further loss or expenses to which they may have been put directly or indirectly by reason of any failure on our part as aforesaid.

(THE TENDER Page 1/4)

9. *We have deposited/sent by Cheque No/enclose a Pay Order/enclose Bank Certificate Cheque No /
Enclose a Bank guaranteed Bond for Rs As Earnest money in favors of **State Life Insurance Corporation of Pakistan** and hold his receipt No Dated.....

10. We agree to maintain the working order for a period of Months, from the Date of its completion.

Dated.....

TENDERER.....

Place.....

(Full Signature).....

Signed by Mr. For and on

Behalf of Messrs.

.....

*Delete whichever is Not Applicable

STATE LIFE BUILDING SUKKUR**PROFORMA“A”****(To be submitted with the Tender)**

Particulars	Details
1. Experience as a Contractor.	
2. Work carried out in the past with detailed cost, particulars and the year in which they were under taken etc.	
3. Bankers reference regarding financial status.	
4. Whether registered with any other Department or Organization? If so, give details.	

Particulars	Details
5. Plant and equipment in possession (Give Detail with cost)	
6. Technical person & employed ;give Names and other details.	
7. If your firm registered?	
8. State Capital of your firm.	
9. Details of Income tax, Sales tax, registration etc.	
10. Number of years of actual work carried out in Pakistan.	
11. Attach attested copy of certificate of past work of the same nature carried out as that in tender.	
12. Electrical Contractor license No. and date.	
	SIGNATURE OF TENDERER
Date: _____	Signed by Mr. _____
Place: _____	For and on behalf of _____

STATE LIFE BUILDING SUKKUR**PROFORMA-“B”**

<u>S.NO</u>	<u>PARTICULARS</u>	<u>DETAILS</u>
1.	<u>In case of “SOLE PROPRIETORSHIP” concern.</u> a. Full Name of the Proprietor. b. Business address and Phone No. If any. c. Residential address and Phone No. if any. d. Certified copy of certificate of registration with Registrar of Firms to be attached.	
2.	<u>In case of “PARTNERSHIP” Concern:</u> a. Name of the Partners with their business/residential address and Phone No. if any. b. Partnership Deed & Certificate of Registration (Certified copies to be attached)	
3.	<u>In case of “PRIVATE LIMITED COMPANY”.</u> a. Name of all Directors with their Business/Residential address and Phone No., if any. b. Memorandum & Articles of Association of the Company and Certificate of incorporation. (Certified copies to be attached.)	
4.	<u>In case of “PUBLIC LTD., COMPANY”.</u> Memorandum & Articles of Association and (Certified copies to be attached).	
5.	<u>In case firm is to be represented by “ATTORNEY”.</u> a. Legal Status and full particular so of the Attorney. b. Period of validity of Power of Attorney (Certified copies of Special or General Power of Attorney duly executed on Stamp Paper of proper value and authenticated/attested by a competent Authority to be attached.	
6.	G.I.R. No: Income Tax and amount of Income paid during the last assessment year (state year of Assessment)	
7.	A Certificate from the Bankers, sealed and addressed to the State Life Insurance Corporation of Pakistan showing the financial position of the Institution tendering, should be enclosed.	

SIGNATURE & SEAL OF THE TENDERER SIGNED**BY MR.** _____**FOR & ON BEHALF OF** _____

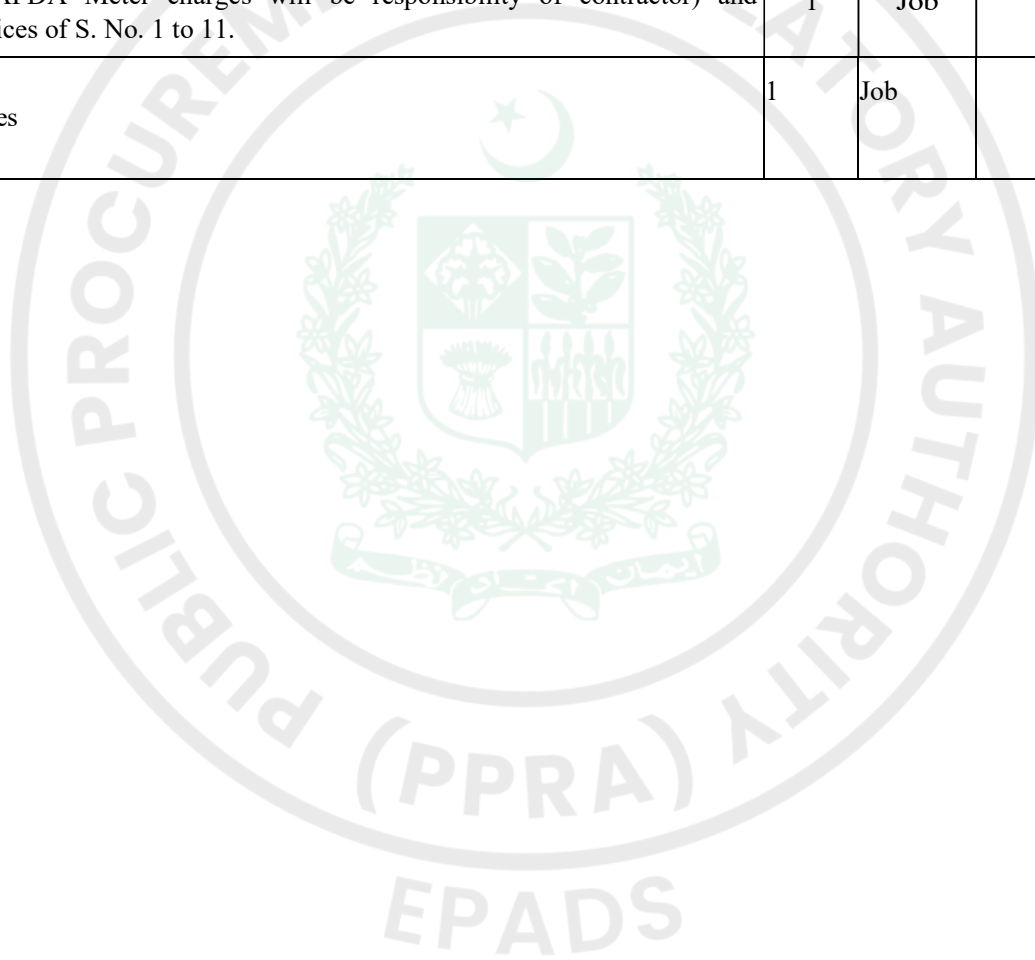
**SUPPLY INSTALLATION, COMMISSIONING & NET METERING OF 30KW ON-GRID
SOLAR SYSTEM AT STATE LIFE BUILDING SUKKUR**

SCOPE OF WORK / BILL OF QUANTITY

S.NO	DESCRIPTIONSOFWORK	QTY	UNIT	ACKNOWLEDGE
1	Supply/ ProvidingofTier-1,Grade-A,610Wto625W,Monoperc, Half cut,HIMO6, N-type of reputable make as per international standard, IEC61215, IEC61730,ISO9001, ISO14001, ISO45001. Brand: Longi/ Jinko/Canadian or equivalent	56	No.	
2	Supply/ ProvidingofTier-1,Grade-A,ongrid 30KWInverterofreputablemakeasper international standard. IEC62109, IEC61727, IEC62116, IEC60068, IEC61683, IEC610006-2,IEC61000-6-4. Brand: Sungrow/Huawei/SMAor equivalent	1	No	
3	Supply/ ProvidingofWIFISTickincludingallcommunicationdevices&peripheralsof reputable make as per international standard.	1	No.	
4	ProvidingofACCable16mm ² ,4 core Copper Wire PVC insulated make Pakistan Cables / Fast Cables / Universal cables or equivalent (from Inverter to AC Combiner Cabinet).	60	Mtr.	
	ProvidingofEarthing6mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Structure Earthing).	180	Mtr.	
	Providing of DC Flexible Wire 6mm ² , single core 1500VDC, tin coated Copper Wire XLPO/XLPO insulated make Pakistan Cables / Fast, Cables / Universal cables or equivalent (for DC wiring of solar panels).	1800	Mtr.	
	ProvidingofEarthing2.5mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables / Universal cables or equivalent (for Grounding Solar Panels).	90	Mtr.	
	ProvidingofEarthingCable25mm ² , Single core Copper Wire PVC insulated make Pakistan Cables /Fast Cables or equivalent (from Earth pit to Lightning Arrester).	180	Mtr.	
	Providing of Earthing 10mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables / Universal cables (for Inverter Earthing).	180	Mtr.	

5	Supply/ Providing of Elevated Structure including (Height of Front pole: 12' & Back pole: 15' Tilt: 7 degrees) With Epoxy Paint, Anti rust epoxy primer & Supporting materials. MS pipe 114mm dia size 14-gauge thickness. MS Main girder I-beam 5"x3" size 10- gauge (3mm) thickness. 1.8kg/ft. MS Secondary girder I- beam 5"x3" size 10-gauge (3mm) thickness. 1.8kg/ft. MS top plate 6"x 6" size 4mm thickness. MS base plate 8"x8" size 8mm thickness. MS square pipe 1"x2" size 18-gauge thickness (for walkway & ladder). Aluminum T & Z clamps. Respective calculations (ASCE7-10) subject to wind speed will be provided with the bid.	1	Job.	
	Constructing of Cemented civil pads for PV Roof mounting shed structure with dimensions L x W x H = 12"x12"x6" with MS studs & bolts reinforcement for elevated Structure.	1	Job.	
6	Supply & Providing of Earth Electrodes (Rod Type) for Earthing System with 14mm Dia 3 meters (10feet) long driven Pure copper Solid rod, complete with clamps lugs, washer/bolts, connected with 1 x 25mm sq bare copper. I pipe/UPVC pipe class 'D/E' up to Earth chamber, job includes cad- welding of copper conductor to earth electrode rod at one end and provision/fixing of cable lugs at other end, including all accessories and RCC inspection chamber, heavy duty G.I. Cover having earth symbol, etc as per the specifications and Drawings and to the entire satisfaction and approval of the Engineer. Minimum depth of the earth pit should be 20ft, Earthing result should be less than 1 Ohm for AC/DC/LA.	3	Job.	
7	16 Gauge IP-42 AC Combiner Box Floor mounted 400 X 6000 X 200mm with complete filling scheme, railings & isolators for placing AC breakers, RYB indications with energy analyzer. Followings are specifications of wall mounted combiner.	1	Job.	
	MCCB 4-Pole, 400 VAC, 63Amp x 1 Nos.			
	SPD 4-Pole, 400VAC, 40kA x 1 Nos. Brand: ACCU-Panels Energy or similar			
	Energy Analyzer x 1 Nos Brand: Phoenix			
	Phase Indication Lights x 1 Nos			
8	Providing of Wall Mounted DC Distribution Boxes of 16 Gauge IP-42 reputable make for each inverter for placing DC Breakers & DC SPD, Size: WxHxD=1.5'x1.5'x1' with indication lamps, Digital Volt & Ammeter and with all necessary railings & fittings etc as per site requirements.	1	Job.	
9	Providing of Misc Items e.g. Cable tray GI 16SWG with 18SWG cover. Accessories (MC4 Connectors, Cable ties, UPVC conduits, anchor bolts, PVC flexible pipes & clamps, PVC tapes, Thimbles etc.)	1	Job.	

10	Supply & Providing of Early Streamer Emission (ESE) with remote testing option and having following specifications: Make: As per approved manufacturer's list Type: Generation 3 or Equivalent Reaction time: 45 - 50 micro seconds Maximum Discharge Rating: 100 kA Material: Stainless Steel or as per manufacturer's specifications Length: 400mm or as per manufacturer's specifications Level of Protection: Level 1 Protection Radius: 65 m Risk Assessment / Coverage Calculation Via Software. Mounting height (from Roof top to tip of ESE): 5m or as specified	1	No.	
11	Supply & Providing of Water Piping Network with PPRC Piping Network for Cleaning of Solar PV Panels with Water Booster Pumps etc. Note: 2No. 3-in-1 special brush, featuring integrated brush, wiper, and water inlet functions for the cleaning of solar panels, will be handed over to the client.	1	Job	
12	Installation, Commissioning, Net Metering (including NEPRA Charges & WAPDA Meter charges will be responsibility of contractor) and Services of S. No. 1 to 11.	1	Job	
13	Spares	1	Job	



1. ENERGYGENERATIONSIMULATION

Year	PR (Performance Ratio)	TCPR (Temperature CorrectedPerformance Ratio)	Yearly Generation (MWh)	Global Horizontal Irradiance (W/m2)	Ambient Temperature (DegreeCelsius)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

SCHEDULE–ATO BID: PROPOSED PROGRAMME OF WORKS

Following details must be submitted for evaluation of technical bids duly marked as “Response to Schedule C to bid”

Bidder shall provide a program in a bar-chart or Program Evaluation and Review Technique (PERT) or Critical Path Method (CPM) showing the sequence of work items by which he proposes to complete the works of the entire Contract. The program should indicate the sequence of work items and the period of time during which he proposes to complete the works including the activities like designing, schedule of submittal of drawings, ordering and procurement of materials, manufacturing, delivering, construction of installation works, erection, testing and commissioning of works to be supplied under the Contract



SCHEDULE-B TO BID: METHOD OF PERFORMING WORKS

Following details must be submitted for evaluation of technical bids duly marked as “Response to Schedule B to bid”

The bidder is required to submit a narrative outlining the method of performing the Works duly marked as “Response to **Schedule B to Bid**”. Detailed working on schedule B will help the bidder to prepare an exact and doable financial offer. The narrative should indicate in detail and include but not be limited to:

- The sequence and methods in which he proposes to carry out the Works, including the number of shifts per day and hours per shift, he expects to work.
- Provide strategy for training the users/user information strategy.
- A list of all major items of construction and plant erection, tools and vehicles proposed to be used in delivering/carrying out the works at site.
- The procedure for installation of equipment and transportation of equipment and materials to the site
- Organization chart indicating head office & field office personnel involved in management, supervision and engineering of the Works to be done under the Contract.

TERMS AND CONDITIONS

1. Worksite:-

All the firms participating in bidding for this work must visit the work site for assessing the actual conditions, locations, spaces, logistics, etc before submitting their bids.

2. Operation and maintenance manuals and drawings: -

Contractor shall supply one set of Operation and maintenance Manual and 3 sets of Product Specs Catalogue for all the equipment before the supply, installation and commissioning of equipment for study of State Life Building Sukkur. Contractor shall supply 3 sets of manuals for all equipment after completion but before final handing over. Three sets of connection diagrams and schematic diagrams for the complete works showing actual as built conditions shall be prepared by the contractor and provided for study and record prior to commissioning of the system. The contractor, if directed by In-Charge (Real Estate Department), shall incorporate any modifications / corrections, in the drawings.

3. Manufacturer catalogues along with tender document:-

Manufacturer catalogues, in English for offered equipment should be provided along with the tender documents for study of State Life Building Sukkur for verification of specifications and ascertaining the suitability of the equipment.

4. Load test and certificates:-

The Contractor along with the supply shall provide manufacturer's test certificate. Actual test trial to be carried out after completion and installation as per standard procedures for satisfactory commissioning.

5. Training

Contractor shall arrange for 4-days training of 4 nominated officials of State Life Building Sukkur at the manufacturing / assembling premises of the equipment to be supplied. Said training shall cover operation, routine maintenance, fault diagnosis, defect rectification etc pertaining to the main equipment to be supplied.

6. Service level agreement (SLA) for maintenance

The service level agreement (SLA) for maintenance will be for (1 year).
The maintenance activities will be divided into the following parts:

- Preventative maintenance - will include inspections and tests of Solar PV equipment to depict their performance.
- Corrective maintenance - will include troubleshooting and parts replacement (if required) in case of abnormal behavior, component failure or breakdown.
- Cleaning services of Solar plates three times in a month i.e. on 10th, 20th & 30th of every month for period of one (01) year free on cost

Preventative Maintenance

Preventative maintenance shall encompass all the equipment installed, inverters, LV Panels, solar modules etc.

Inspection of Installed Equipment

- i. PV Modules on daily basis
 - a) All panels to be inspected.
 - b) All panels inspection will be completed in 7 days
 - c) PV Modules Glass cracks checking
 - d) MC4 connectors check for any loose connections
- ii. PV Inverters on a daily and monthly basis
 - a) Visual checks for any damages
 - b) MC4 connectors checking
- iii. Structured daily, monthly, and annual inspections and maintenance
 - a) Nuts & Bolts Tightening
 - b) ZRC application

Sr.#	Inspection	Weekly	Monthly
1.	PV Modules Inspection	☒	☒
2.	PV Modules Cleaning	☒	☒
3.	PV Inverters Inspection	☒	☒
4.	Structure Inspection	☒	☒
5.	Plant Performance Reporting	☒	☒

Preventative maintenance shall be carried out by the site team throughout the calendar year.

Bi-Annual Inspections

Bi-Annual inspection will be performed twice a year. Once after six months and other at the end of the year

The scope must include the following

(Modules and Supporting Structure)

- 100% visual inspection of modules regarding damage in 1st bi-annual inspection. Modules will be inspected daily and damage/ replacement shall be reported. However, modules will be checked for any damage, decolonization, cracking, splitting will be covered in bi-annual inspections.
- Random check for loosening of module clips. Clips should be replaced if necessary
- ZRC application on rusty parts of the structure
- Nuts and bolts tightening of the structure and PV Modules Inverter

(100% per inspection to be covered)

- Functional check of inverters
- Testing of inverter features according to manufacturer's maintenance
- Maintenance of inverters according to manufacturer's instructions

Additional Inspections

- Functionality testing of the monitoring system
- Maintenance of all PV Plant components according to manufacturer's instructions
- Visual damage inspection of all accessible cable trenches and cable trays
- Dressing of the cables if and as required.

Additional Main Annual Inspection

In addition to the bi-annual inspections, one main annual PV Plant inspection will be conducted. The inspection is to follow the detailed inspection procedures and will be documented accordingly. Below is the scope of annual inspection:

- Visual damage inspection of all accessible cable trenches and cable trays
- Visual inspection and random testing of module string connector's clamps, All components and degree of pollution. Testing of over-voltage protection

Corrective Maintenance

The following corrective maintenance services shall be offered till system is under O&M contract:

- Critical Reactive Repair
- Condition Based Maintenance
- Warranty Enforcement
- Equipment Replacement through Spares(planned/unplanned)
- Complaint Management
- MC4s replacement and cable dressing, if and as required

Corrective maintenance shall be carried out by the site team if and as required.

The following additional spare parts will be ordered along with the project procurement

- 10 extra modules.
- 50 m DC cable
- Equipment to ensure low water consuming cleaning techniques.
- Miscellaneous Items.

Any additional spares that the bidder foresees that could be used should be additionally specified. These should not be consumable items and will be analyzed by the owner's engineer before being allowed to be added in the spares list. These spares are owned by State Life & stored within State Life, whereas it is the responsibility of the contractor to properly maintain, safeguard and store the spare parts. The spares can be acquired after an incident is properly reported where the installed inverters have become nonoperational.

Any additional spares non-availability impact on nonperformance of the plant will be the responsibility of the contractor during the O&M period. Any resulting damages due to nonperformance of the plant due to the unavailability of the inverters or any other equipment will be the responsibility of the O&M provider. Specialized low water consumption cleaning techniques and equipment to be used to avoid soiling and reduce portable water use. Unlimited water will not be available for cleaning modules.

6. WARRANTY AND GUARANTEE:

- One-year standard warranty of complete Project.
- International Standard warranty for Solar Panel (Product warranty 16 years and performance warranty 30 years, 5 years Inverter warranty).

Signature & Seal of the Bidder

STATE LIFE BUILDING SUKKUR

GENERAL CONDITIONS OF CONTRACT

The General Conditions of Contract have been approved by the of State Life Insurance Corporation of Pakistan Under their Resolution No.21,dated9th April, 1958for adoptionsof works.

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IV

General Conditions of Contract

DEFINITIONS & INTERPRETATION

1. (1) In the Contract (as hereinafter defined) the following words and expression shall have the meanings hereby assigned to them except where the context otherwise requires: -
- (a) **“SLIC”** means State Life Insurance of Corporation Pakistan, and includes the SLIC’s representatives of successors.
 - (b) **“Contractors”** means the person or person firms or company whose Tender (as hereinafter defined) has been accepted by the SLIC and includes the Contractor’s personal representative successors and permitted assigns.
 - (c) **“Engineer”** means the Electrical Engineer of the State Life Building Sukkur or other Engineer appointed from time to time by the State Life Insurance of Corporation Pakistan.
 - (d) **“Representative of the Engineer”** means any Engineer Assistant Engineer and any other duly authorized Agent of Agents appointed from time to time by the SLIC of the Engineer to perform the duties set forth in **Clause-2** hereof.
 - (e) **“Works”** means the work to be executed in accordance with the Contract.
 - (f) **“Contracts”** means the conditions of Contract, Specification, Drawings, priced Bill of Quantities, Schedule of Rates and prices (if any), Tender and the Contract Agreement.
 - (g) **“Contract Price”** means the sum named in the Tender subject to such additions there to or deductions there from as may be made under the provisions hereinafter contained.
 - (h) **“Constructional Plant”** means all appliance things of whatsoever nature required in or about the execution completion or maintenance of the works or Temporary works (as hereinafter defined) but does not include materials or other things, intended to form or forming part of the permanent work.
 - (i) **“Temporary works”** means all temporary works of every kind required in or about the execution completion or maintenance of the works.
 - (j) **“Drawing”** means the drawing referred to in the specification and any modifications of such drawings approved in writing by the Engineer and such other drawing as may from time to time be furnished or approved in writing by the Engineer.
 - (k) **“Site”** means the lands and other places on, under in or through which the works are to be executed or carried out and any other lands or places provided by the State Life Insurance of Corporation Pakistan for the purpose of the Contract.
 - (l) **“Approved”** means approved in writing including subsequent written confirmation of previous verbal approval and “approval” means approved in writing including as aforesaid.
 - (m) **“Tender”** means the offer tendered by the Contractor for the works governed by the Contract.
- (2) Words importing the singular only also include the Plural and vice versa where the contents require.
- (3) The marginal headings or note in these General Conditions shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof of the Contract.

**Singular and
Plural**

**Marginal Headings
or Notes**

Duties and Power of Representative of the Engineer.

REPRESENTATIVES OF THE ENGINEER

2. The duties of the Representative of the Engineer are to watch and supervise the works and to test and examine any material to be used or workmanship employed in connection with the works. He shall have no authority to relieve the Contractor of any of his duties or obligations neither under the Contract nor except as expressly provided hereunder or elsewhere in the Contract, neither to order any work involving delay or any extra payment by the SLIC nor to make any variation of or in the Works.

The Engineer may from time to time in writing delegate to the Representative of the Engineer any of the powers and authorities vested in the Engineer and shall furnish to the Contractor, a copy of all such written delegation of powers and authorities. Any written instructions or approval given by the Representative of the Engineer to the Contractor within the terms of such delegation (but not otherwise) shall bind the Contractor and the SLIC though it had been given by the Engineer, provided always as follows:-

- (a) Failure of the Representative of the Engineer to disapprove any work of material shall not prejudice the power of the Engineer thereafter to disapprove such work or materials and to order the pulling down removal or breaking up thereof.
- (b) If the Contractor shall be dissatisfied by reason of any decision of the Representative of the Engineer he shall be entitled to refer the matter to the Engineer who shall there upon confirm reverse or vary such decision.

Assignment and sub-letting

ASSIGNMENT AND SUB-LETTING

3. The Contractor shall not assign or sub-let the Contractor any part thereof for any benefit or interest or interest therein or there under without the written consent of the SLIC.

EXTENT OF CONTRACT

4. The Contract comprises the construction, completion and maintenance of the works and except in so far as the Contract otherwise provides provision of all LABOR materials. Constructional Plant. Temporary works as everything whether of temporary or permanent nature required in and for such construction completion and maintenance so far as the necessity for providing the same is specified in or reasonably to be inferred from the Contract.

CONTRACT DOCUMENTS

Documents manually Explanatory

5. The several documents forming the Contract are to be taken as mutually explanatory of one another and in case of ambiguities or discrepancies the same shall be explained and adjusted by the Engineer whose decision in this respect shall be final.

Drawings

6. **Three (3) copies** of the approved drawings shall be furnished to the Contractor free of cost. The Contractor shall provide and make at his own expense any further copies required by him. At the completion of the Contract the Contractor shall return to the Engineer all drawings provided under the Contract.

One Copy of Drawings to be kept on Site

One copy of drawings furnished to the Contractor as aforesaid shall be kept by the Contractor on the Site and the same shall at all reasonable time be available for inspection and use by the Engineer and the representative of the Engineer.

Further Drawings and Instructions

7. The Engineer shall have full power and authority to supply to the Contractor from time to time during the progress of the works such further drawings and instructions as shall be necessary for the purpose of the proper and adequate execution and maintenance of the works and the Contractor shall carry out and bound by the same.

GENERAL OBLIGATIONS

8. The Contractor shall within **Fourteen (14) days** after written notice of acceptance of the Tender has been posted to the Contractor enter into and execute a Contract agreement, (to be prepared at the cost of the Contractor) in the form annexed, with such modifications as may be necessary.

9. Unless otherwise agreed between the SLIC and the Contractor the Contractor shall within **Fourteen (14) days** after written notice of acceptance of the Tender has been posted to the Contractor and before the Contract agreement is entered into and executed, furnish to the SLIC a security for the due fulfillment of the Contract in form of pay order / demand draft in approved Public Rupee Securities or Approved Banker's Guaranteed Bond valid till the successful completion of Contract endorsed in the favor of **STATE LIFE INSURANCE CORPORATION** amounting to a sum equal to **Five percent 5%** of the Contract price.

Security Deposit

10. In the event of the Contractor failing to execute a formal Contract or to make a Security Deposit therefore in the manner aforesaid and in the periods specified, the SLIC competent authority is entitled to appropriate any earnest money or initial deposit made by the Contractor with his Tender without prejudice to their right to claim any further loss or damage which may result to them by reason of the aforesaid default of the Contractor as if a Contract is actually executed for purpose of such claim.

Contractor's Failure to Furnish Security Deposit

11. The Contractor shall inspect and examine the Site and its surroundings and shall satisfy himself before submitting the Tender as to the nature of ground and sub-soil, the form and nature of the Site the quantities and nature of the work and materials necessary for the completion of the works and the means of access to the Site of the accommodation he may require and in general shall himself obtain all necessary information as to risk contingencies and other circumstances which may influence or affect his Tender.

Inspection of Site

12. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his Tender for the Works and of the rates and prices staged in the priced Bill of quantities and the Schedule of rates (if any) which rates and prices shall excepting so far otherwise provided in the Contract cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the Works.

Sufficiency of Tender

13. The Contractor shall execute, complete and maintain the works in strict accordance with the Contract to the satisfaction of the Engineer and shall comply with the instructions strictly to the Engineer's Instruction and directions on any matter (whether mentioned in the Contract or not) touching or connecting the work. The Contractor shall take instruction and direction only from the Engineer or (subject to the Limitations referred to in **Clause 2** hereof) from the Representative of the Engineer.

Work to be to Satisfaction of Engineer.

14. As soon as practicable after the acceptance of his Tender the Contractor shall if required submit to the Engineer for his approval a Program showing the order of procedure and method in which he proposes to carry out the Works and shall whenever required by the Engineer or Representative of the Engineer furnish for his information particulars in writing of the Contractor's arrangements for the carrying out of the Works and of the Constructional Plant and Temporary Works which the Contractor intends to supply use or construct as the case may be. The submission to and approval by the Engineer or the Representative of the Engineer of such Program or the furnishing of such particulars shall not relieve the Contractor of any of his duties or responsibilities under the Contract.

Program to be furnished

15. The Contractor shall give or provide all necessary Superintendence during the execution of the Works and as long thereafter as the Engineer may consider necessary for the proper fulfilling of the Contractor obligations under the Contract the Contractor or a competent and authorized agent or representative approved of in writing by the Engineer (which approval may at any time be withdrawn) is to be constantly on the Works and shall give his whole time to the Superintendence of the same. If such approval shall be withdrawn by the Engineer, the Contractor shall as soon as is practicable (having regard to the requirements of replacing him as hereafter mentioned) after receiving written notice of

Contractor's Superintendence

such withdrawal removes the agent from the Site and shall not thereafter employ him again on the Site in any capacity and shall replace him by another agent approved by the Engineer. Such authorized agent representative shall receive on behalf of the Contractor and directions/instructions from the Engineer or (subject to the Limitations of **Clause 2** hereof) Representative of the Engineer.

Contractor's Employees

16. (1) The Contractor shall provide and employ on the Site in connection with the execution and maintenance of the works:-

(a) Only such technical assistants as are skilled and experienced in their respective callings and such sub-agents' foremen and leading hands as are competent to give proper supervision to the work they are required to supervise.

(b) Such skilled, semi-skilled and unskilled labor as is necessary for the proper and timely execution and maintenance of the Works.

(2) The Engineer shall be at liberty to object to and require the Contractor to remove forthwith from the work any person employed by the Contractor in or about the execution or maintenance of the Work who in the opinion of the Engineer misconducts himself or is incompetent or negligent in the proper performance of his duties or whose employment is otherwise considered by the Engineer to be undesirable and such person shall not be again employed upon the works without the written permission of the Engineer. Any person so removed from the Works shall be replaced without delay by a competent substitute approved by the Engineer.

(3) The Contractor shall if required by the Engineer deliver to the Engineer or the Representative of the Engineer returns in such form and at such intervals as the Engineer may prescribe showing in detail the supervisory staff and the number of the several classes of LABOR from time to time employed by the Contractor on the Site.

Setting Out

16. The Contractor shall be responsible for the true and proper setting out of the work and for the correctness of the position, levels, dimensions and alignment of all part of the Works and for the provision of all necessary instrument, appliance and labor in connection therewith. If at any time during the progress of the Works any error shall appear or arise in the position, levels, dimensions or alignments of any part of the works, the Contractor on being required to do so by the Engineer or the Representative of the Engineer shall at his own expense rectify such error to the satisfaction of the Engineer or the Representative of the Engineer. The checking of any setting out of any line or level by the Engineer or the Representative of the Engineer shall not in any way relieve the Contractor of his responsibility for the correctness thereof and the Contractor shall carefully protect and preserve all bench-marks, Site-rails, pegs and other things used in setting out the Works.

Watching and Lighting

17. The Contractor shall in connection with the Works provide and maintain at his own cost all lights, guards, fencing and watching when and where necessary or required by the Engineer or the Representative of the Engineer or by and duly constituted authority for the protection of the Works or for the safety and convenience of the public or others.

Care of Works

18. (a) From the commencement to the completion of the Works the Contractor shall take full responsibility for the care thereof and of all Temporary works and in case any damage, loss or injury shall happen to the work or to any part thereof or to any Temporary Works from any cause whatsoever (save and except the excepted risks as defined in **sub-Clause (2)** of this **Clause**) shall at his own cost repair and make good the same so that at completion the works shall be in good order and condition and in conformity in every respect with the requirements of the Contract and the Engineer's instructions. The Contractor shall also be liable for any damage to the Works occasioned by him in the course of any operations carried out by him for the purpose of complying with his obligations under **Clause 4** hereof.

Expected Risks

(b) The "expected risks" are war, hostilities (whether war be declared or not) Invasion, act of foreign enemies, rebellion, revolution, Insurrection or military usurped power, civil war or (otherwise than among the Contractor's own Employees) riot, commotion or disorders or the use or occupation by the SLIC of any portion of the Works

or disorders or the use or occupation by the SLIC of any portion of the Works in respect of which a Certificate of Completion has been issued or any such operation of the forces of nature as reasonable foresight and ability on the part of the Contractor could not foresee or reasonably provide against (all of which are herein collectively referred to as "the expected risks.")

19. The Contractor shall (expect if and so far as the Specification Provides otherwise) indemnify and keep indemnified the SLIC against all losses and claims for injuries or damage to any persons or any property whatsoever (other than surface or other damage to land being or crops being on the Site suffered by tenants or occupiers) which may arise out of or in consequences of the construction and maintenance of the works and against all claims demands proceeding damage, costs charges and expenses whatsoever in respect of or in relation thereto.

Damage to Persons and Property

20. The SLIC shall not be liable for or in respect of any damages or compensation payable at law in respect or in consequence of any accident or injury to any Workman or other person in the employment of the Contractor or any sub-contractor and the Contractor shall indemnify and keep indemnified the SLIC against all such damages compensation and against claims demands proceeding costs charges and expenses whatsoever in respect thereof or in relation thereto.

Accident or Injury to workman

21. Contractor shall give all notices and pay all fees required to be given or paid by any National or state statute Ordinance or other Law or any Regulation or By-law of any local or other duly constituted authority in relation to the execution of the Works or of any Temporary Works and by the rules and regulations of all public bodies and companies whose property or right are affected or may be affected in any way by the Works or any Temporary Works.

Giving of Notices and Payment Of Fees

The Contractor shall confirm in all respects with the provisions of any such statute Ordinance or Law as aforesaid and the regulation or By-Law of any Local or other duly constituted authority which may be applicable to the Works or to any Temporary Works and with such rules and regulations of public bodies and companies as aforesaid and shall keep the SLIC indemnified against all penalties and liabilities of every kind for breach of any such statute Ordinance or Law regulation or By-law.

Compliance with statute Regulations etc.

22. All fossils coins articles of value or antiquity and structures and other remains or things of geological or archaeological interest discovered on the Site of the Works shall as between the SLIC and the Contractor be deemed to be the absolute property of SLIC and the Contractor shall take reasonable precautions to prevent this workmen or any other persons from removing or damaging any such article or thing and shall immediately upon discovery thereof and before removal acquaint the Representative of the Engineer of such discovery and carry out at the expense of the SLIC Representative of the Engineer's orders as to the disposal of the same. (NOT APPLICABLE)

Fossils, etc.

23. The Contractor shall save harmless and indemnify the SLIC from and against all claim and proceedings for or on account of infringement of any patent rights design trade-mark or name or other protected rights in respect of any constructional Plant machine work or material used for or in connection with the Works or Temporary Works or any of them and from and against all claims demands proceedings damages costs charges and expense whatsoever in respect thereof or in relation there to except where otherwise specified the Contractor shall pay all tonnage and other royalties and other payments or compensation (if any) for getting stone, sand, gravel clay or other materials required for the Works or Temporary Works or any if them.

Patent Rights and Royalties

24. The Contractor shall in accordance with the requirements of the Engineer afford all reasonable opportunities for carrying out their work to any other Contractor employed by the SLIC and their workmen and to the workmen of the SLIC and of any other duly constituted authorities who may be employed in the execution on or near the Site of any work not included in the Contract of any Contractor which the SLIC may enter into in connection with or ancillary to the works.

Opportunities for Other Contractor's

25. Except where otherwise specified the Contractor shall at his own expense supply and provide all the Constructional Plant Temporary Works Materials both for temporary

Supply of Plant Materials and Labor

and for permanent works labor (Including the supervision thereof) transport to or from the Site and in and about the work and other things of every kind required for the construction completion and maintenance of the works.

Clearance of Site on Completion

26. On the completion of the work the Contractor shall clear away and remove from the Site all constructional plant surplus material rubbish and Temporary works of every kind and leave the whole of the Site and works clean and in a workman like condition to the satisfaction of the Engineer.

LABOR

**Hours of Employment and payment of Wages
Return of LABOR Etc.**

27. The Hours of Employment Regulation and payment of Wages Act so far as these are applicable to the Contractor's LABOR shall be adhered to by the Contractor.

28. The Contractor shall if required by the Engineer deliver to the Representative of the Engineer or at his office a return in detail in such form and at such intervals as the Engineer may prescribe showing the number of the several classes of labor from time to time employed by the Contractor on the Site and such information respecting Constructional plant as the Representative of the Engineer may require.

WORK MATERIAL AND PLANT

Quality of Material and workmanship and Tests

29. (1) All Materials and workmanship shall be of the respective kinds described in the Contract and in accordance with the Engineer's Instructions and shall be subjected from time to time to such tests as the Engineer may direct at the place of manufacture or fabrication or on the Site or at all or any or such places. The Contractor shall provide such assistance Instruments, machines, LABOR and materials as are normally required for examining measuring and testing any work and the quality, weight or quantity of any material used and shall supply samples of materials before incorporation in the works for testing as may be selected and required by the Engineer.

**Cost of samples
Cost of Test**

(2) All samples shall be supplied by the Contractor at his own cost.

(3) The cost of making all tests specified in the Contract shall be borne by the Contractor.

Access to Site

30. The Engineer and any person authorized by him shall at all times have access to the works and to the Site and to all workshops and places where work is being prepared or whence materials, manufactured articles, or machinery are being obtained from works, and the Contractor shall afford every facility for and every assistance in or obtaining the right to such access.

Examination of Work Before Covering Up

31. No work shall be covered up or put out of view without approval of the Engineer or the Representative of the Engineer and the Contractor shall afford full opportunity for the Engineer or the Representative of the Engineer to Examine and measure any work which is about to be covered up or put out of view and to examine foundation before permanent work is placed thereon. The Contractor shall give notice to the Representative of the Engineer whenever any such work or foundation is ready or about to be ready for examination.

Removal of Improper Work and materials

32. (1) The Engineer shall during the progress the works have power to order from time to time.

- (a) The removal from the Site within such time or times as may be specified of any materials which in the opinion of the Engineer are not in accordance with the Contract.
- (b) The substitution of proper and suitable materials and
- (c) The removal and proper re-execution (not-with-standing any previous test there of or interim payment therefore) of any work which in the opinion of the Engineer is not in the opinion of the Engineer in accordance with the Contract.

Default of Contractor In compliance

(2) In case of default on the part of the Contractor in carrying out such order the SLIC shall be entitled to employ and pay other person to carry out the same and all expenses consequent thereon incidental thereto shall be borne by the Contractor and

shall be recoverable from him by the SLIC or may be deducted by the SLIC from any monies due or which may become due to the Contractor.

33. The Contractor shall on the written order of the Engineer suspend the progress of the Works or any part thereof for such time to times and such manner as the Engineer may consider necessary and shall during such suspension properly protect and secure the Works so far as is necessary in the opinion of the Engineer. The Extra cost (if any) incurred by the Contractor in giving effect to the Engineer's Instructions under this **Clause** shall be born and paid by the SLIC unless suspension is:-

- (a) Otherwise provided for in the Contractor
- (b) Necessary for the proper execution of the Works or by reason of weather conditions affecting the safety or quality of the Work or by some default on the part of the Contractor or.
- (c) Necessary for the safety of the Works or any part thereof. Provided that the Contractor shall not be entitled to the recover any such extra cost unless he give notice in writing of his intention of claim to the Engineer within **28 days** of the Engineer's order. The Engineer shall settle and determine the extra payment to be made to the Contractor in the respect of such claim as the Engineer shall consider fair and reasonable.

COMMENCEMENT TIME AND DELAYS

34. The Contractor shall commence the Works on Site within the period named in the tender after the receipt by him on an order in writing to this effect from the Engineer and shall proceed with the same with the due expedition and without delay except as maybe expressly, sectioned or ordered by the Engineer or be wholly beyond the Contractor's control.

35. (1) Save in so far as the Contractor may prescribe the extent of options of the Site of which the Contractor is to be given possession from time to time and the order in which such portions shall be made available to him and subject to any requirement in the Contract as to the order in which the Work shall be executed, The Engineer will with the written order to commence the Works, give to the Contractor possession of so much of the Site as may be required to enable the Contractor to commence and proceed with the construction of the Works in accordance with the program referred to in **Clause 13** hereof (if any) and otherwise in accordance with such reasonable proposals of the Contractor as he shall by notices in writing to the Engineer make and will from time to time as the Works proceed give to the Contractor possession of such further portions of the Site as may be required to enable the Contractor to proceed with the construction of Works with due dispatch in accordance with said program or proposals (as the case may be).

(2) The Contractor shall bear all expenses and charges for special or temporary way leaves required by him in connection with access to the Site. The Contractor shall also provide at his own cost any additional accommodation outside the Site required by him for the purpose of the Works.

36. Subject to any requirement in the specification as to completion of any portion of the Works before completion of the whole of the Work, the Work shall be completed within the time stated in the tender calculated from the last day of the period named in the tender as that within which the Works are to be commenced or such extended time as may be allowed under **Clause 37** hereof.

37. Should the amount of extra or additional Work of any kind or other special circumstances of any kind whatsoever which may occur be such as fairly to entitle the Contractor to any extension of time for the completion of the Works the Engineer shall determine the amount of such extension provided that the Engineer is not bound to take into account any extra or additional Works or other special circumstances unless the Contractor has, within **28 days** after such Works has been commenced or circumstances have arisen or as soon thereafter as is practicable delivered to the representative of the Engineer full and detailed particulars of any claim to extension of time to which may consider himself entitled in order to such claim may be investigated at the time.

Suspension of Works

Commencement of Works

Possession of Site

Way Leaves Etc.

Time for Completion

Extension of Time for Completion

Rate of Progress

38. (1) The whole of the material plant and LABOR to be provided by the Contractor under **Clause-4** hereof and mode manner and speed of execution maintenance of the Works are to be of a kind and conducted in a manner approved of by the Engineer. Should the rate of progress of the Works or any part thereof be at any time in the opinion of the Engineer to slow to ensure the completion of Works by the prescribed time or extended time for completion. The Engineer shall so notify the Contractor in writing and the Contractor shall thereupon take such step as the Contractor may think necessary and the Engineer may approved to expedite progress so as to complete the Works by the prescribed time or extended time for completion. If the Works is not being carried on by day and by night and the Contractor shall request permission to work by night as well as by day then if the Engineer shall grant such permission, the Contractor shall not be entitled to any additional payment for so doing.

Termination of Contract for slow progress

(2) Notwithstanding any thing contained hereto in the event of the rate of progress of the Works being such that in the opinion of the Engineer Works cannot be completed by the prescribed time or the extended time, the Engineer may have the Works constructed, completed through any other agency either concurrently with or independently of the Contractor at the risk and cost -of the Contractor or the Engineer may supplement the Contractor's LABOR plant equipment and materials at the Contractor's cost and risk and in all such cases provisions of **Clause-39** hereof shall apply. Further the SLIC shall have the power to terminate the Contract and withhold payment to the Contractor till the whole of the Works have been constructed completed and maintained in the manner laid down in the Contract and the Contractor shall be liable for any loss or damage which the SLIC may sustain on the account and forfeiture the provision of **Clause 56 and 57** hereof shall apply.

Liquidated Damages for Delay

39. If the Contractor fails to complete the Works within the time prescribed under **Clause 36** hereof or within the extended time granted, the Contractor shall be liable to pay liquidated damages at the rate of 0.5% of the total Contract Value for every week or part thereof of delay, calculated from the expiry of the prescribed or extended time until the actual date of completion of the Works, subject to a maximum of 10% of the total Contract Value. The liability for payment of such liquidated damages shall rest solely with the Contractor, and the deduction or recovery of such damages shall not be deemed the responsibility or obligation of SLIC. However, SLIC shall have the right, without prejudice to any other method of recovery available under the Contract or law, to recover the amount of such damages from any monies due or which may become due to the Contractor, including but not limited to interim payments, final bill, performance security, or through legal recourse. The payment or recovery of liquidated damages shall not relieve the Contractor from the obligation to complete the Works or from any other obligations, liabilities, or responsibilities under the Contract. Furthermore, the failure or omission of SLIC to deduct liquidated damages during the execution of the Works shall not prejudice or waive SLIC's right to recover such damages at any stage, including from the final bill or through legal proceedings.

Certificate of Completion of Works

40. As soon as in the opinion of the Engineer the Works shall have been substantially completed and shall have satisfactorily passed final test that may be prescribed by the Contract the Engineer shall on receiving a written undertaking by the Contractor to finish any outstanding Works during the Period of Maintenance issue a Certificate of Completion in respect of the Works, and the period of Maintenance of the Works shall commence from the date of such certificate. Provided that the Engineer may give such a certificate with respect to any part of Works before the completion of the whole of the Works and shall upon the written application of the Contractor give such certificate with respect to any substantial part of the Works which has been both completed to the satisfaction of the Engineer and occupied or used by the SLIC and when any such certificate is given in respect of a part of the Works such part shall be considered as completed and the period of Maintenance of such part shall commence from the date of such certificate. Provided also that a Certificate of Completion given accordance with the foregoing provisions of any part of the Works occupied and used as aforesaid shall not be deemed to certify completion of any ground of surfaces requiring reinstatement unless such certificate shall expressly so state.

MAINTENANCE AND DEFECTS**Definition of Period of Maintenance**

41. (1) In these conditions the expression "period of Maintenance" shall mean the period of maintenance named in the Tender calculated from the date of completion of the Works certificate by the Engineer in accordance with **Clause 40** hereof or in the event of more than one certificate having been issued by the Engineer under the said **Clause** from the respective dates so certified and in relation to the period of Maintenance the expression '**the Works**' shall be construed accordingly.

Execution of Works of Repair, Etc.

(2) To the Intent that the Works shall at or as soon as practicable after the expiration of the period of Maintenance be delivered up to the SLIC in as good and perfect condition (fair wear and tear excepted) to the satisfaction of the Engineer as that in which they

Where at the commencement of the period of maintenance the Contractor shall execute all such Works for repair, amendment, reconstruction, reflection and making good of defects, imperfection, shrinkages or other fault as may be required of the Contractor in writing by the Engineer during the period of maintenance or with **Fourteen (14) days** after its expiration as a result of an inspection made by or on behalf of the Engineer.

(3) All such Work shall be carried out by the Contractor at his own expenses if the necessity thereof shall in the opinion of the Engineer be due to the use of materials of Workmanship not in accordance with the Contract or to neglect or failure on the part of the Contractor to comply with any obligation expressed or implied on the Contractor's part under the Contract. If in the opinion of the Engineer such necessity shall be due to any other cause the value of such Works shall be ascertained and paid for as if it were additional Works.

(4) If the Contractor shall fail to do any such Work as aforesaid required by the Engineer the SLIC shall be entitled to carry out such Works by its own Workman or by other Contractor and if such Works is Work which the Contractor should have carried out at the Contractor's own cost shall be entitled to recover from the Contractor the cost thereof or may deduct the same from any monies due or that become due to the Contractor.

**Cost of Execution
works of Repair Etc.**

**Remedy on
Contractor's Failure
to carry out Works
required**

ALTERATION ADDITIONS AND OMISSIONS

42. (1) The Engineer shall make any variation of the quality or quantity of the Works or any part thereof that may in his opinion be necessary and for that purpose or if for any other reason it shall in his opinion be desirable

Variation

shall have power to order the Contractor to do and the Contractor shall do any of the following:-

- (a) Increase or decrease the quality of any Work included in the Contract
- (b) Omit any such Work
- (c) Change the character or quality or kind of any such Work
- (d) Change the levels, lines, position and dimensions of any part of the Works and
- (e) Execute additional Works of any kind necessary for the completion of the Works.

And no such variations shall in any way validate or invalidate the Contract, but the value (if any) of all such variation shall be taken into account in ascertaining the amount of the Contract price.

(2) No such variation shall be made by the Contractor without an order in writing of the Engineer, provided that no order in writing shall be required for increase or decrease in the quantity of any Work where such increase or decrease is not the result of an order given under his **Clause** but is the result of the quantities exceeding or being less than those stated in the Bill of Quantities. Provided also that if for any reason the Engineer shall consider it desirable to give any such order verbally, the Contractor shall comply with such order and any confirmation in writing of such verbal order given by the Engineer whether before or after the carrying out the order shall be deemed to be an order, in writing within the meaning of this **Clause**.

**Order of variation to be
in writing**

43. (1) The Engineer shall determine the amount (if any) to be added to or deducted from the sum named in the tender in respect of any extra or additional Works done or Work omitted by his order. All such Works shall be valued at the rates set out in the Contract if in the opinion of the Engineer the same shall be applicable. If the Contract shall not contain any rates applicable to the extra or additional Work then reasonable prices shall be fixed by the Engineer.

(2) Provided that if the nature or amount of any omission or addition relative to the nature or amount of the whole of the Contract Work or to any part thereof shall be such that in the opinion of the Engineer the rate or price contained in the Contract for any time of the work is by reason of such omission or addition rendered unreasonable or inapplicable the Engineer shall fix such other rates or price as in the circumstances he shall think reasonable and proper.

**Valuation of
Variations**

**Power of Engineer to Fix
Rates**

PROPERTY IN MATERIALS AND PLANT

**Plant Etc. the
Property of the SLIC**

44. (1) All constructional plant, Temporary Works and materials provided by the Contractor shall when bought on to the Site immediately be deemed to become the property of the SLIC and the Contractor shall not remove the same or any part thereof without the consent in writing of the Engineer. But the Engineer will permit the Contractor the exclusive use of all such constructional plant, Temporary Works and material in and for the completion of the Works until the happening of an event which gives right to the SLIC to exclude Contractor from the Site and proceed with the completion of the Works.

**Revesting of Plant,
Etc.**

(2) Upon the removal of any such constructional plant, temporary Works or materials with consent as aforesaid the same shall be deemed to revest in and become the property of the Contractor and upon completion of the Works the remainder of the said constructional plant and temporary Works and any unused material provided by the Contractor shall be deemed to revest in and become the property of the Contractor who shall remove the same. If the Contractor fails to remove any of the said constructional plant, temporary Works or unused materials within such reasonable time after the completion of the Works as may be allowed by the SLIC then the SLIC may sell the same and shall after deducting from the proceeds the cost charges and expenses of and in connection with such sale pay the balance (if any) to the Contractor.

**SLIC not liable for
Damage to plant Etc.
No Approval by
Vesting**

(3) The SLIC shall not at any time be liable for loss or injury to any of the said constructional plant, Temporary Works, or material.

45. The operation of the **Clause 44** shall not be deemed to imply any approval by the Engineer of the materials or other matters referred to therein nor shall it prevent the rejection of any such materials at any such time by the Engineer.

MEASUREMENT

Quantities

46. The quantities set out in the Bill of Quantities are estimated quantities of the Work but they are not to be taken as the actual and correct quantities of the Works to be executed by the Contractor in fulfillment of his obligations under the Contract.

**Work to be
Measured**

47. The Engineer shall, except as otherwise stated, ascertain and determine by actual measurements the value in accordance with the Contract of Work done in accordance with the Contract. He shall when he requires any part or parts of the Works to be measured give notice to the Contractor's agent or representative who shall forthwith attend or send a qualified agent to assist the Engineer or the representative of the Engineer in making such measurement and shall furnish all particulars required by the either of them. Should the Contractor not attend or neglect or omit to send such agent then the measurement made by the Engineer or approved by him shall be taken to be the correct measurement of the Works.

**Method of
Measurement**

48. The Works shall be measured net notwithstanding any general or local custom except where otherwise specially described or prescribed in the Contract.

PROVISIONAL SUMS

**Use of provisional
and Contingency
items**

49. All the sums set out in the Bill of Quantities which shall be stated to be provisional or for contingencies shall be used only at the direction and discretion of the Engineer and if not used either wholly or in part shall as to the amount not used be deducted from the Contract Price.

Item not monies

50. All item not monies set out in the Bill of Quantities shall be used at the direction and discretion of the Engineer and if used either wholly or in part shall as to amount used, added to the Contract price.

CERTIFICATE AND PAYMENT

**Bill for On-account
Payments**

51. (1) The Contractor shall submit to the representative of the Engineer during the execution of the Works on-account bill signed by the Contractor showing the quantities and values of the permanent Works done on the Site as soon as measurements have been recorded as per **Clause 47** hereof.

Rates and Price

(2) The rates and prices in such on-account bills shall be in accordance with those in the priced Bill of Quantities so far as such rates and prices are applicable and on the approved rates and prices for other items or Works.

(3) The quantities in such on-account bills shall be in accordance with the agreed measurement recorded by the representative of the Engineer as per provision of **Clause 47** hereof.

Quantities

(4) The Contractor will be paid on the certificate of the Engineer the estimated Contract value of the permanent work executed and in addition such amount as the Engineer may consider fair and reasonable for any temporary Works for which separate amounts are provided in the Bill of Quantities subject so far as it applies to a retention of a percentage until the amount retained shall reach the amount of security deposit as per **Clause 9** hereof, after which time no further deduction or retention will be made. Retention money will be deducted as per SLIC practices.

Advances

52. No certificate other than maintenance certificate referred into **Clause 53** hereof shall be deemed to constitute approval of any Work or other matter in respect of which it is issued or shall be taken as an admission of the due performance of the Contract or any part thereof or of the accuracy of an claim or deemed made by the Contractor by the Contractor or of additional or varied Work having been ordered by the Engineer nor shall any other certificate conclude or prejudice any of the powers of the Engineer.

**Approval only by
Maintenance
certificate**

53. The Contractor shall not be considered as completed until a maintenance certificate shall have been signed by the Engineer and delivered to the RE Incharge SLIC stating that the Works have been completed and maintained to his satisfaction. The maintenance certificate shall be given by the Engineer Twenty-Eight (28) days after the expiration of the period of maintenance (or if different period of maintenance shall become applicable different part of the Works the expiration of the latest such period) and full effect shall be given to the **Clause** notwithstanding any previous entry of the Works or the taking possession Working or using thereof or any part thereof by the SLIC. The security deposit of the Contractor shall be refunded after the maintenance certificate has been issued by the Engineer after deducting any sums which may become due from Contractor in terms of provision of **Clause 38 (2), 39 and 41 (4)** hereof.

**Maintenance
certificate**

54. When the Engineer granted a certificate or certificates of completion of the whole of the Works under **Clause 40** hereof and when the SLIC has ascertained the estimated final sum due to the Contractor the SLIC shall after allowing for the amount all of previous on account bills and certificate and after allowing for all other payments due from the Contractor to the SLIC pay to the Contractor such a sum out of balance so calculated as remaining due to the Contractor as will leave to be retained by the SLIC a sum equal to the security deposit (see **Clause 9** hereof).

**Payment on
Completion**

55. Unless otherwise agreed between the SLIC and the Contractor all payment to be made to the Contractor under this Contract shall be in Pakistani rupee currency.

Currency of payment

REMEDIES AND POWER

56. (1) If the Contractor shall become bankrupt or have a receiving order made against him or shall present his petition in bankruptcy or shall make an arrangement with or assignment in favor of his creditors or shall agree to carry out the Contract under a committee of Inspection of his creditors or (being a corporation) shall go into liquidation (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) or if the Contractor shall assign the Contract without the consent in writing of the SLIC first obtained or shall have an execution levied on the goods or if the Engineer shall certify in writing to the SLIC that in his opinion the Contractor.

Forfeiture

- (a) Has abandoned the Contractor
- (b) Without reasonable excuse has failed to commence the Works or has suspended the progress of the Works for **Ten (10) days** after receiving from the Engineer written notice to proceed or
- (c) has failed to remove materials from the Site or to pull down and replace Work for **28 days** after receiving from the Engineer written notice that the said materials or Work had been condemned and rejected by the Engineer under these conditions or
- (d) is not executing the Works in accordance with the Contract or is persistently or flagrantly neglecting to carry out his obligations under the Contract or

(e) Has to the detriment of good Workmanship or in defiance of the Engineer's instruction to the contrary sublet any part of the Contract?

Then the Engineer may after giving **14 days'** notice writing to the Contractor enter upon the Site and the Works and expel the Contractor there from without hereby avoiding the Contract or releasing the Contractor from any of his obligations or liabilities under the Contract or affecting the rights and powers conferred on the SLIC of the Engineer by the Contract and may himself complete the Works or may employ any other Contractor to complete the Works and SLIC or such other Contractor may use for such completion so much of the constructional plant temporary Works or materials which have been deemed to become the property of the SLIC under the provision of the Contract as he or the SLIC may think proper and SLIC may at any time sell any of the said constructional plant, Temporary Works and used materials and apply the proceeds or sale in or towards the satisfaction of any sums due which may become due to the SLIC from the Contractor under the Contract.

Valuation at Date of forfeiture

(2) The Engineer, as soon as practicable after such entry and expulsion by the SLIC, shall assess and determine the valuation in accordance with the established practice of SLIC for conducting valuation checks. After consultation with the concerned parties and after carrying out such investigations or enquiries as deemed necessary, the Engineer shall certify the amount (if any) reasonably earned or accrued to the Contractor in respect of the works actually executed under the Contract up to the date of such entry and expulsion. The Engineer shall further determine the value of any unused or partially used materials, constructional plant, and temporary works which, under the provisions of the Contract, are deemed to have become the property of the SLIC.

Payment after Forfeiture

(3) In the event that the SLIC enters upon the Works and expels the Contractor under this **Clause**, the SLIC shall not be liable to make any further payment to the Contractor under the Contract until the expiry of the Defects Liability / Maintenance Period. Thereafter, payment shall only be considered once the total cost of completion of the Works, maintenance expenses, damages for delay (if any), and all other expenditures incurred by the SLIC have been fully ascertained and certified by the Engineer. The Contractor shall be entitled to receive only such amount, if any, as the Engineer certifies would have been payable to him upon proper completion of the Works, after deducting the aforesaid costs and expenses. In the event that the total costs and expenses incurred by the SLIC exceed the amount that would have been payable to the Contractor upon due completion, the excess amount shall be recoverable from the Contractor and shall be deemed a debt due and payable to the SLIC.

Urgent Repairs

57. If by reason or any accident or failure or other event occurring to in or in connection with the Works or any part thereof either during the execution of the Works or during the period of maintenance any remedial or other Works or repair shall in the opinion of the Engineer or the Representative of the Engineer be urgently necessary for security and the Contractor is unable or unwilling at once to do such Work or repair as the Engineer may by his own or other Workmen do such Works or repair as the Engineer or the Representative of the Engineer may consider necessary. If the Works repairs so done by the Engineer are Works which in the opinion of the Engineer the Contractor was liable to do at his own expense under the Contract all cost and charges properly incurred by the SLIC in so doing shall no demand be paid by the Contractor to the SLIC or may be deducted by the SLIC from any monies due or which may become due to the Contractor. Provided always that the Engineer or the Representative of the Engineer (as the case may be) shall as soon as after the occurrence of any such emergency as may be reasonably practicable notify the Contractor thereof in writing.

Bribes Commission Etc.

58. Any bribe or commission for advantages given, promised or offered by or on behalf of the Contractor or his partner, agent or servant or any one on his or their behalf to any officer, servant, representative, or agent of the SLIC or any person on its behalf in relation to the obtaining or to the execution of this or any other Contract with the SLIC shall in addition to any criminal liability which may incur subject the Contractor to cancellation of this and all other Contract and also to payments of any loss or damage resulting from such cancellation to the like extent as is provided in case of forfeiture under **Clause 56** hereof and the SLIC shall be entitled to deduct the amounts so payable from any monies otherwise due to the Contractor under this or any other Contract.

Any question or dispute as to the commission of any offence under this **Clause** shall be settled by the SLIC in such manner as it shall think fit and sufficient and its decision shall be final and conclusive.

In case hot Works is involved, the Contractor is liable to take permit from the Senior Fire Officer before start of the Works, and hot Work is to be carried out according to his directions.

SETTLEMENT OF DISPUTES

59. This Contract shall be governed by the law of Pakistan. Resort to court by either of the parties in respect of any dispute should be had only to an appropriate court within the limit of KARACHI.

Law Covering the Contract

60 Any dispute regarding the quality of material or Workmanship or currency of measurements or reasonableness of the rate for any item or any other question of an Engineering or Technical nature shall be decided by the Engineer and his decision shall be final and binding on all the parties.

Arbitration

Any other dispute of whatsoever nature (Including the Interpretation of this or any other relevant documents) arising under this Contract (except as to any matters, the decision of which is specially provided for by these conditions) shall be referred to as sole arbitrator to be pointed by the chief engineer, STATE LIFE BUILDING SUKKUR, who shall have absolute discretion either to appoint as officer or the STATE LIFE BUILDING SUKKUR or anyone else as the sole arbitrator. The decision as such sole arbitrator shall be final and conclusive and shall be binding on all the parties to the Contract and the provision of the arbitration Act 1940 and any statutory modification thereof and rules framed there under shall be deemed to apply to and be incorporated in this Contract.

The Contractor shall not stop the Work during the pendency of the arbitration proceedings, but he shall continue to execute the Work with full speed. However, the ELECTRICAL ENGINEER shall have the power to ask the Contractor in writing to stop the Work in full or in part if he considers it necessary.

FORM OF AGREEMENT

This Agreement made theday ofTwo Thousand..... between STATE LIFE BUILDING SUKKUR Karachi Incorporated under the STATE LIFE BUILDING SUKKUR Act VI of 1886 as amended from time to time thereafter called the "SLIC" of the one part andof..... (Hereinafter called the "Contractor") of the other part whereas the SLIC is desirous that certain Works should be constructed

viz.....

..... and has accepted a tender by the Contractor for the construction completion and maintenance of such Works and whereas the Contractor has already deposited with the SLIC the Sum of Rupees and has given to the SLIC a lien over such sum as security for the due fulfillment of the Contract now this agreement is witnessed as follows: -

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

2. The following Documents which for the purpose of identification have been signed by the On behalf of the Contractor and by (The Engineer of the SLIC) on behalf of the SLIC all of which shall be deemed to form and be read and construed as part of this agreement, viz: -

- (a) The said Tender.
- (b) The Drawing.
- (c) The General Conditions of Contract.
- (d) The special condition of the Contract.
- (e) The specification.
- (f) The bill of quantities.
- (g) The Relevant Correspondence: -

3. In Consideration of the payment to be made by the SLIC to the Contractor as hereinafter mentioned the Contractor hereby covenants with the SLIC to construct complete and maintain the Works in conformity in all respects with the provision of the Contract.

4. The SLIC hereby covenants to pay to the Contractor in consideration of the construction, completion and maintenance of the Works, the Contract price in the manner prescribed by the Contract.

In witness where of, the parties here to have hereinto set their respective hands and seals the day and year first above written.

Signed sealed and delivered by: -

The Chief Engineer and two Witnesses on behalf of the SLIC STATE LIFE BUILDING SUKKUR Karachi. Signed by

Chief Engineer.....

In the presence of 1st Witness
Signed by 2nd Witness

In the presence of
And
.....for and on behalf.....

(Contractor)

Signed by
In the presence of

(Contractor)

P.C.No. _____

**STATE LIFE BUILDING
SUKKUR**

ELECTRICAL DEPARTMENT

FINANCIAL BID

Name of work:

TENDER DOCUMENTS FOR THE:

**SUPPLY INSTALLATION & COMMISSIONING OF 30KW ON-GRID SOLAR
SYSTEM AT STATE LIFE BUILDING SUKKUR.**

Contents:

- i. The Scope of Work, Terms conditions & Bill of Quantity (B.O.Q) (05Pages)
(For Financial Bid).

Online submission through EPADS v.2.0 must be on or before the Time & Date mentioned in the tender notice and bid security of Amount (Rs) 150,000/- in form of Pay order (in original), must be delivered at **Office of In-Charge (Real Estate Department) 7th Floor, State Life Building Thandi Sarak Hyderabad** before the Time & Date mentioned in the Tender Notice.

Date.....

N. B: All tender documents read carefully, to be filled properly and duly signed & stamped each paper before uploading it to EPADS.v.2.0 In complete tender bids will not be considered.

STATE LIFE BUILDING SUKKUR
SCOPE OF WORK/BILL OF QUANTITY

SUPPLY INSTALLATION, COMMISSIONING & NET METERING OF 30KW ON-GRID SOLAR SYSTEM AT STATE LIFE BUILDING SUKKUR

SCOPE OF WORK/BILL OF QUANTITY

S.NO	DESCRIPTIONS OF WORK	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	Supply/ Providing of Tier-1, Grade-A, 610W to 625W, Monoperc, Half cut, HIMO6, N-type of reputable make as per international standard, IEC61215, IEC61730, ISO9001, ISO14001, ISO45001. Brand: Longi/Jinko/Canadian.	56	No.		
2	Supply/ Providing of Tier-1, Grade-A, on grid 30KW Inverter of reputable make as per international standard. IEC62109, IEC61727, IEC62116, IEC60068, IEC61683, IEC610006-2, IEC61000-6-4 Brand: Sungrow/Huawei/SMA.	1	No.		
3	Supply/ Providing of WIFI Stick including all communication devices & peripherals of reputable make as per international standard.	1	No.		
4	Providing of AC Cable 16mm ² , 4 core Copper Wire PVC insulated make Pakistan Cables / Fast Cables or equivalent (from Inverter to AC Combiner Cabinet).	60	Mtr.		
	Providing of Earthing 6mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Structure Earthing)	180	Mtr.		
	Providing of DC Flexible Wire 6mm ² , single core 1500VDC, tin coated Copper Wire XLPO/XLPO insulated make Pakistan Cables / Fast, Cables (for DC wiring of solar panels).	1800	Mtr.		
	Providing of Earthing 2.5mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Grounding Solar Panels)	90	Mtr.		
	Providing of Earthing Cable 25mm ² , Single core Copper Wire PVC insulated make Pakistan Cables / Fast Cables or equivalent (from Earth pit to Lightning Arrester).	180	Mtr.		

	Providing of Earthing 10mm ² , single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables (for Inverter Earthing)	180	Mtr.		
5	Supply/ Providing of Elevated Structure including (Height of Front pole: 12' & Back pole: 15' Tilt: 7 degrees) With Epoxy Paint, Anti rust epoxy primer & Supporting materials. MS pipe 1 1/4" dia size 14-gauge thickness. MS Main girder I-beam 5"x3" size 10-gauge (3mm) thickness. 1.8kg/ft. MS Secondary girder I-beam 5"x3" size 10-gauge (3mm) thickness. 1.8kg/ft. MS top plate 6"x6" size 4mm thickness. MS base plate 8"x8" size 8mm thickness. MS square pipe 1"x2" size 18-gauge thickness (for walkway & ladder). Aluminum T & Z clamps. Respective calculations (ASCE 7-10) subject to wind speed will be provided with the bid.	1	Job.		
	Constructing of Cemented civil pads for PV Roof mounting shed structure with dimensions LxWxH=12"x12"x6" with MS studs & bolts reinforcement for elevated Structure.	1	Job.		
6	Supply & Providing of Earth Electrodes (Rod Type) for Earthing System with 14mm Dia 3 meters (10feet) long driven Pure copper Solid rod, complete with clamps lugs, washer/bolts, connected with 1 x 25mmsq bare copper. I pipe/UPVC pipe class 'D/E' up to Earth chamber, job includes cad- welding of copper conductor to earth electrode rod at one end and provision/fixing of cable lugs at other end, including all accessories and RCC inspection chamber, heavy duty G.I. Cover having earth symbol, etc as per the specifications and Drawings and to the entire satisfaction and approval of the Engineer. Minimum depth of the earth pit should be 20ft, Earthing result should be less than 1 Ohm for AC/DC/LA	3	Job.		
7	16 Gauge IP-42 AC Combiner Box Floor mounted 400 X 6000 X 200mm with complete filling scheme, railings & isolators for placing AC breakers, RYB indications with energy analyzer. Followings are specifications of floor mounted combiner. 1. I/PMCCB 4-Pole, 400VAC, 63amp x 1 Nos. 2. SPD 4-Pole, 400VAC, 40KA x 1 Nos. Energy Analyzer x 1 Nos Brand Phoenix Phase Indication Lights x 1 Nos	1	Job.		
8	Providing of Wall Mounted DC Distribution Boxes of 16 Gauge IP-42 reputable make for each inverter for placing DC Breakers & DC SPD, Size: WxHxD=1.5'x1.5'x1' with indication lamps, Digital	1	Job.		

	Volt & Ammeter and with all necessary railings & fittings etc as per site requirements.				
9	Providing of Misc Items e.g: Cable tray GI 16SWG with 18SWG cover. Accessories (MC4 Connectors,Cable ties ,UPVC conduits ,anchor bolts, PVC flexible pipes & clamps, PVC tapes, Thimbles etc.)	1	Job.		
10	Supply & Providing of Early Streamer Emission (ESE) with remote testing option and having following specifications: Make: As per approved manufacturer's list Type: Generation 3 or Equivalent Reaction time: 45 - 50 micro seconds Maximum Discharge Rating: 100 kA Material: Stainless Steel or as per manufacturer's specifications Length: 400mm or as per manufacturer's specifications Level of Protection: Level 1 Protection Radius: 65 m Risk Assement / Coverage Calculation Via Software. Mounting height (from Roof top to tip of ESE): 5m or as specified	1	No.		
11	Supply & Providing of Water Piping Network with PPRC Piping Network for Cleaning of Solar PV Panels with Water Booster Pumps etc. Note: 2No. 3-in-1 special brush, featuring integrated brush, wiper, and water inlet functions for the cleaning of solar panels, will be handed over to the client.	1	Job		
12	Installation, Commissioning, Net Metering (including NEPRA Charges & KE Meter charges will be responsibility of contractor) and Services of S. No. 1 to 11.	1	Job		
13	Spares	01	job		
Total Amount without tax					
Add 10%GSTon itemNo.1					
Add 15%SSTon itemNos.11 to 12					
Add 18%GSTonitemNos.1to 10					
Grand Total					
Total amount in words:					

TERMS AND CONDITIONS

6. Worksite:-

All the firms participating in bidding for this work must visit the work site for assessing the actual conditions, locations, spaces, logistics, etc before submitting their bids.

7. Operation and maintenance manuals and drawings: -

Contractor shall supply one set of Operation and maintenance Manual and 3 sets of Product Specs Catalogue for all the equipment before the supply, installation and commissioning of equipment for study of STATE LIFE BUILDING SUKKUR Engineer. Contractor shall supply 3 sets of manuals for all equipment after completion but before final handing over. Three sets of connection diagrams and schematic diagrams for the complete works showing actual as built conditions shall be prepared by the contractor and provided for study and record prior to commissioning of the system. The contractor, if directed by STATE LIFE BUILDING SUKKUR Engineer, shall incorporate any modifications / corrections, in the drawings.

8. Manufacturer catalogues along with tender document: -

Manufacturer catalogues, in English for offered equipment should be provided along with the tender documents for study of STATE LIFE BUILDING SUKKUR Engineers for verification of specifications and ascertaining the suitability of the equipment.

9. Load test and certificates: -

The Contractor along with the supply shall provide manufacturer's test certificate. Actual test trial to be carried out after completion and installation as per standard procedures for satisfactory commissioning.

10. Training

Contractor shall arrange for 4-days training of 4 nominated officials of STATE LIFE BUILDING SUKKUR at the manufacturing / assembling premises of the equipment to be supplied. Said training shall cover operation, routine maintenance, fault diagnosis, defect rectification etc pertaining to the main equipment to be supplied.

7. SERVICE LEVEL AGREEMENT (SLA) FOR MAINTENANCE

The service level agreement (SLA) for maintenance will be for (1 year).

The maintenance activities will be divided into the following parts:

- Preventative maintenance-will include inspections and test so of Solar PV equipment to depict their performance.
- Corrective maintenance-will include trouble shooting and parts replacement (if required) in case of abnormal behavior, component failure or breakdown.
- Cleaning services of Solar plates three times in a month i-e on 10th, 20th & 30th of every month for period of one (01) year free on cost

Preventative Maintenance

Preventative maintenance shall encompass all the equipment installed, inverters, LV Panels, solar modules etc.

Inspection of Installed Equipment

iv. PV Modules on daily basis

- e) All panels to be inspected.
- f) All panels inspection will be completed in 3 days
- g) PV Modules Glass cracks checking
- h) MC4 connectors check for any loose connections

v. PV Inverters on a daily and monthly basis

- a) Visual checks for any damages
- b) MC4 connectors checking

vi. Structured daily, monthly, and annual inspections and maintenance

- a) Nuts & Bolts Tightening
- b) ZRC application

Sr.#	Inspection	Daily	Monthly	Annually
1.	PV Modules Inspection	☑	☑	☑
2.	PV Modules Cleaning	☑		
3.	PV Inverters Inspection	☑	☑	☑
4.	Structure Inspection	☑	☑	☑
5.	Plant Performance Reporting	☑	☑	☑

Preventative maintenance shall be carried out by the site team throughout the calendar year.

Bi-Annual Inspections

Bi-Annual inspection will be performed twice a year. Once after six months and other at the end of the year

The scope must include the following

(PV Modules and Supporting Structure)

- 100% visual inspection of modules regarding damage in 1st bi-annual inspection. Modules will be inspected daily and damage/ replacement shall be reported. However, modules will be checked for any damage, decolonization, cracking, splitting will be covered in bi-annual inspections.
- Random check for loosening of module clips. Clips should be replaced if necessary
- ZRC application on rusty parts of the structure
- Nuts and bolts tightening of the structure and PV Modules Inverter

(100% per inspection to be covered)

- Functional check of inverters
- Testing of inverter features according to manufacturer's maintenance
- Maintenance of inverters according to manufacturer's instructions

Additional Inspections

- Functionality testing of the monitoring system
- Maintenance of all PV Plant components according to manufacturer's instructions
- Visual damage inspection of all accessible cable trenches and cable trays
- Dressing of the cables if and as required.

Additional Main Annual Inspection

In addition to the bi-annual inspections, one main annual PN Plant inspection will be conducted. The inspection is to follow the detailed inspection procedures and will be documented accordingly. Below is the scope of annual inspection:

- Visual damage inspection of all accessible cable trenches and cable trays
- Visual inspection and random testing of module string connector's clamps, All components and degree of pollution. Testing of over-voltage protection

Corrective Maintenance

The following corrective maintenance services shall be offered till system is under O&M contract:

- Critical Reactive Repair
- Condition Based Maintenance
- Warranty Enforcement
- Equipment Replacement through Spares (planned/unplanned)
- Complaint Management
- MC4 replacement and cable dressing, if and as required

Corrective maintenance shall be carried out by the site team if and as required.

The following additional spare parts will be ordered along with the project procurement

- 10 extra modules.
- 50 m DC cable
- Equipment to ensure low water consuming cleaning techniques.
- Miscellaneous Items.

Any additional spares that the bidder foresees that could be used should be additionally specified. These should not be consumable items and will be analyzed by the owner's engineer before being allowed to be added in the spares list. These spares are owned by State Life & stored within State Life, whereas it is the responsibility of the contractor to properly maintain, safeguard and store the spare parts. The spares can be acquired after an incident is properly reported where the installed inverters have become nonoperational.

Any additional spares non-availability impact on nonperformance of the plant will be the responsibility of the contractor during the O&M period. Any resulting damages due to nonperformance of the plant due to the unavailability of the inverters or any other equipment will be the responsibility of the O&M provider. Specialized low water consumption cleaning techniques and equipment to be used to avoid soiling and reduce portable water use. Unlimited water will not be available for cleaning modules.

8. WARRANTY AND GUARANTEE:

- One-year standard warranty of complete Project.
- International Standard warranty for Solar Panel (Product warranty 16 years and performance warranty 30 years, 5 years Inverter warranty).

Signature & Seal of the Bidder ELECTRICAL ENGINEER

STATE LIFE BUILDINGSUKKUR

TECHNICAL EVALUATION CRITERIA

SUPPLY INSTALLATION & COMMISSIONING OF 30KW ON-GRID SOLAR SYSTEM AT STATE LIFE BUILDING SUKKUR.

I). MANDATORY REQUIREMENT:

The firms should fulfill for the following mandatory requirement / condition and supporting documents should be submitted accordingly:

CAUTION :Non-compliance of any Mandatory Conditions will end in rejection of bid and no further evaluation: -

Sr. No.	Requirement
1	Registered firm in Pakistan (Sole Proprietorship, Partnership, or Private Limited). Proof required.
2	Valid PEC Registration (EE-04, EE-05 & EE-11).
3	Affidavit — not blacklisted.
4	Valid tax registration: NTN, GST, SRB, ATL.
5	Tender documents signed & stamped.
6	Joint Ventures / Consortiums Strictly not allowed.

II. TECHNICAL EVALUATION:

Minimum Overall Qualifying Score = 55 Marks out of 100

Category	Max Marks
A. Status of Firm	10
B. Staff & Equipment	25
C. Experience (Solar Projects Completed)	40
D. Financial Capacity	25
TOTAL	100

A. STATUS OF FIRM**Maximum Marks = 10**

Years of Establishment	Marks
03 Years & Above	10
01 Year to Less than 03 Years	7
Less than 01 Year	3

B. STAFF & EQUIPMENT**Maximum Marks = 25****(i) Key Staff — 15 Marks**

Staffing Level	Marks
Full team deployed: 1 PEC-registered Electrical Engineer + 1 Site Supervisor	15
Only one of the above two roles in place	8

(ii) Tools & Equipment — 10 Marks

Tools Available	Marks
Insulation Resistance Tester (Megger)	2
Earth Resistance Tester	2
Digital Multimeter & Clamp Meter	2
Solar Installation Tools	2
Insulation Resistance Tester (Megger)	2

C. EXPERIENCE (SOLAR PROJECTS COMPLETED)

Maximum Marks = 40

The bidder shall submit documentary evidence (Completion Certificate / Work Order / Completion Report) of completed On-Grid Solar System projects — any project size counts, so smaller-scale contractors are not excluded.

Completed On-Grid Solar Projects	Marks
3 or more completed projects (Above 10 KW)	40
1–2 completed projects	25

D. FINANCIAL CAPACITY

Maximum Marks = 25

Average Annual Turnover during the last three financial years.

Annual Turnover	Marks
Rs. 3 Million & Above	25
Rs. 1.5 Million to Less than Rs. 3 Million	15
Below Rs. 1.5 Million	0

