

Expression of Interest

Expression of Interest (EOI) for Third Party Validation (TPV) Services for
Solar Works of 100 MW Distributed Photovoltaic Solar Power Plants in
Gilgit-Baltistan
(Consultancy Services)

International

Single Stage-One Envelope



October 27, 2026

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Table of Contents

Instructions to Applicants	3
Pre-qualification Data Sheet	17
Prequalification Data Sheet (PDS)	18
Eligibility & Qualification Criteria	21
Evaluation Criteria	22
Scope of Work	26
Annexure	35
Form A - Letter of Application	36
Form B -Firm Information	36
Form C- JV Information	36
Form D -General Consulting Experience	36
Form E - Specific and Similar Assignment Experience	36
Form F-Multidisciplinary Capability	36
Form G-Conflict of Interest Declaration	37
Form H - Eligibility Debarment and Integrity Declaration	37
Form I-Financial Capacity	37
Amendment to Prequalification Data Sheet—Document Precedence	37
Procurement Forms	38
Past Construction Experiences	1
Past Experience and Completed Contracts	1
Additional Forms and Documents	41

INVITATION FOR PRE-QUALIFICATION

PROCUREMENT OF CONSULTANCY SERVICES

1. The **Private Power & Infrastructure Board (PPIB) (Ministry of Energy (Power Division))** has reserved Funds for the procurement planned for FY **2026-27**. The **Private Power & Infrastructure Board (PPIB) (Ministry of Energy (Power Division))** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**Expression of Interest (EOI) for Third Party Validation (TPV) Services for Solar Works of 100 MW Distributed Photovoltaic Solar Power Plants in Gilgit-Baltistan**" with the reference of "**P171330**"

2. The **Private Power & Infrastructure Board (PPIB) (Ministry of Energy (Power Division))** intends to pre-qualify consulting firms / consultants for subsequent issuance of Request for Proposals (RFP), and sign the contract agreement(s) with the selected consultant(s) following the selection process.

3. The objective of the intended pre-qualification is the provision of "**Expression of Interest (EOI) for Third Party Validation (TPV) Services for Solar Works of 100 MW Distributed Photovoltaic Solar Power Plants in Gilgit-Baltistan**" through engagement of qualified consultants, and the purpose of this Pre-qualification Notice is to provide basic information to enable potential applicants to decide whether or not to respond to this Pre-qualification Notice.

4. Only the pre-qualified applicants shall be invited to participate in the Request for Proposals (RFP) process, and it is expected that the RFP will be issued to the Pre-qualified Applicants.

5. The pre-qualification process is open to all **International** Applicants subject to fulfilling the eligibility requirements mentioned in the respective Pre-qualification Documents. Interested Applicants may obtain further information from the Private Power & Infrastructure Board (PPIB) (Ministry of Energy (Power Division)) through **EPADS v2.0** during office hours. A complete set of Pre-qualification Documents may be accessed by interested Applicants through

EPADS v2.0 at
<https://epads.gov.pk/opportunities/federal/procurements/171330>

6. The application, prepared in accordance with the instructions in the Pre-qualification Documents, must be submitted through **EPADS v2.0** on or before **Friday, November 27, 2026 10:30 AM**. E-applications will be opened using **EPADS v2.0** on the same day at **Friday, November 27, 2026 11:00 AM**. Manual submission of applications shall not be entertained. Applicants who have not yet registered on the new version of **EPADS v2.0** may register themselves at <https://vendors.epads.gov.pk/>. A tutorial to explain the registration process is available at <https://www.youtube.com/watch?v=MNW6T38v7tc>.

In terms of Rule 65 of Public Procurement Rules, 2026, a Grievance Redressal Committee (GRC) is notified for the subject procurement and the 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 Applicants

A. General

B. Contents of the Prequalification Documents

Sections of Prequalification Documents

1. **Scope of Application**

1.1. In connection with the “**Invitation for Prequalification**”, the Procuring Agency, as defined in Section II (Prequalification Data Sheet abbreviated as PDS), issues this set of Prequalification Documents (PD) to prospective applicants (also hereinafter referred as Applicants) interested in submitting applications (also hereinafter referred as Applications) to determine the capacity and capability of the Applicant(s) for supply of Goods and Related Services incidental thereto as specified in Section VII (Schedule of Requirements).

2. **Source of Funds**

2.1. Source of funds is same as referred in Invitation for Pre-qualification.

3. **Fraud and Corruption**

3.1. The Procuring Agency requires that the Applicants /Bidders/ Suppliers/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such agreements and contracts.

3.2. The Applicants/Bidders shall permit and shall cause their agents (whether declared or not), sub-contractors, sub-consultants, service providers, suppliers, and their personnel, to permit the Procuring Agency to inspect all accounts, records and other documents relating to any, Application/Bid submission, Secondary Procurement process, and to have them audited by auditors appointed by the Procuring Agency.

3.3. Any communications between the Applicant and the Procuring Agency related to matters of alleged corrupt and fraudulent practices must be made in writing or in electronic forms that provide record of the content of

communication.

3.4. Procuring Agency will reject an application or bid or proposal, if it is established that the Applicant or the Bidder or Prosper was engaged in corrupt and fraudulent practices in competing for the contract.

3.5. Procuring Agency will also declare the Applicant as blacklisted in accordance with rules and predefined standard mechanism.

4. Eligible Applicants

4.1. An Applicant may be a private entity, a state-owned enterprise or institution subject to ITB 4.6, or any combination of such entities in the form of a joint venture (JV) under an existing JV agreement or with the intent to enter into such an agreement supported by a letter of intent.

In case of single (private or state-owned entity), it shall be liable for execution of all the provisions of the Contract Agreement.

In the case of a joint venture, all members shall be jointly and severally liable for the execution of all the provisions of the Contract Agreement (if signed b/w the Procuring Agency and the JV), in accordance with the Contract conditions that apply.

The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the Prequalification process, Bidding process (in the event the prequalified JV submits a Bid) and during the period of contract agreement and contract execution (in the event the JV is awarded the Contract). Unless specified in the PDS, there is no limit on the number of members in a JV.

4.2. An Applicant may apply for Prequalification both individually, and as part of a joint venture, or participate as a subcontractor. If prequalified as a JV only, it will not be permitted to bid for the same contract as an individual entity. Bids submitted in violation of this provision will be rejected.

4.3. An Applicant and any of its affiliates (that directly or indirectly control, are controlled by or are under common control with that entity) may submit its Application for Prequalification either individually, as joint venture or as a sub-contractor among them for the same contract. However, if prequalified only one prequalified Applicant will be allowed to bid for the same contract.

All Bids submitted in violation of this provision will be rejected.

4.4. Applicants shall be considered to have a conflict of interest, if they participated as a consultant in the preparation of the design or technical specifications or have been hired or proposed to be hired by the Procuring Agency for execution of subsequent Contract Agreement. In addition, Applicants may be considered to have a conflict of interest if they have a close business or family relationship with such professional staff of the Procuring Agency (or a recipient of a part of the funds) who:

4.4.1. are directly or indirectly involved in the preparation of the Prequalification Documents or Bidding Documents or specifications of Contract and/or the Prequalification or Bid evaluation process of such Contract; or

4.4.2. would be involved in the implementation or supervision of such Agreement t, unless the conflict stemming from such relationship has been resolved throughout the Procurement Process, Bidding.

4.5. An Applicant that has been declared debarred or blacklisted shall be ineligible to be prequalified to bid for such period of time and for such type of procurement for which he has been declared debarred or blacklisted. The list of debarred firms and individuals is available at PPRA's website.

4.6. An Applicant shall provide such documentary evidence for determining the eligibility of the Applicant to the reasonable satisfaction of the Procuring Agency.

5. Eligibility (in terms of Nationality)

5.1. Applicants may be ineligible if they are nationals of ineligible countries as indicated in Section V.

B. Contents of the Prequalification Documents

6. Sections of Prequalification Documents

6.1. This set of Prequalification Documents consists of Parts 1 and 2 which comprise all the sections indicated below, and which should be read in conjunction with any Addendum issued in accordance with ITA 8.

PART 1 Prequalification Procedures PART 2 Supply Requirements

6.2. Section I - Instructions to Applicants (ITA)

6.3. Section II - Prequalification Data Sheet (PDS)

6.4. Section III - Qualification Criteria and Requirements

6.5. Section IV - Application Forms

6.6. Section V - Eligible Countries

6.7. Section VI - Fraud and Corruption

6.8. Section VII – Schedule of Requirements

6.9. The Procuring Agency accepts no responsibility for the completeness of the Prequalification documents, responses to requests for clarification, the minutes of the pre-Application meeting (if any), or Addenda to the Prequalification documents in accordance with ITA 8. In case of any discrepancies, documents issued directly through ePADS shall prevail.

6.10. The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Documents and to furnish with its Application all information or documentation as is required by the Prequalification Documents.

7. Clarification of Pre-qualification Documents and Pre-Application Meeting

7.1. An Applicant requiring any clarification of the Pre-qualification Documents shall contact the Procuring Agency in writing through ePADS as. The Procuring Agency will respond in writing through ePADS to any request for clarification provided that such request is received no later than three (03) days prior to the deadline for submission of the Applications. The Procuring Agency shall forward a copy of its response to all prospective

Applicants through ePADS who have obtained the Prequalification Documents from ePADS, including a description of the inquiry but without identifying its source. If so indicated in the PDS, the Procuring Agency shall also promptly publish its response through ePADS. Should the Procuring Agency deem it necessary to amend the Prequalification Documents as a result of a clarification, it shall do so in accordance with the provisions of ITA 16.2.

7.2. If indicated in the PDS, the Applicant's designated representative is invited at the Applicant's cost to attend a pre-Application meeting through online platform / **EPADS v2.0** as per date and time mentioned in the PDS. During this Pre-Application meeting, prospective Applicants may request clarification of the schedule of requirement, the qualification criteria or any other aspects of the Pre-qualification Documents.

7.3. Minutes of the Pre-Application meeting, if applicable, including the text of the questions asked by Applicants, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be transmitted promptly through ePADS to all prospective Applicants who have obtained the Pre-qualification Documents. Any modification to the Pre-qualification Documents that may become necessary as a result of the pre-Application meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to ITA 8 and through **EPADS v2.0**. Non-attendance at the pre-Application meeting will not be a cause for disqualification of an Applicant.

8. Amendment of Prequalification Documents

8.1. At any time prior to the deadline for submission of Applications, the Procuring Agency may amend the Prequalification Documents by issuing an Addendum through **EPADS v2.0**.

8.2. Any Addendum issued shall be part of the Prequalification Document and shall be communicated in writing through ePADS to all Applicants who have obtained the Prequalification Documents from the Procuring Agency. The Procuring Agency shall promptly publish the Addendum at the Procuring Agency's web page and **EPADS v2.0**.

Provided that an Applicant who had already submitted their Applications

prior to the issuance of any such addendum shall have the right to withdraw his already submitted Application and submit the revised Application prior to the original or extended Application submission deadline through **EPADS v2.0**.

8.3. To give Applicants reasonable time to take an Addendum into account in preparing their Applications, the Procuring Agency may at its discretion, extend the deadline for the submission of Applications in accordance with ITA 16.2:

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

C. Preparation of Applications

9. Cost of Applications

9.1. The Applicant shall bear all costs associated with the preparation and submission of its Application. The Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Pre-qualification process.

10. Language of Application

10.1. The Application as well as all correspondence and documents relating to the Pre-qualification exchanged by the Applicant and the Procuring Agency, shall be written in the language specified in the PDS. Supporting documents and printed literature that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language specified in the PDS, in which case, for purposes of interpretation of the Application, the translation shall govern.

11. Documents Comprising the Application

11.1. The Application shall comprise the following:

11.1.1. **Application Submission Letter**, in accordance with ITA 12.1;

11.1.2. **Eligibility**: documentary evidence establishing the Applicant's eligibility, in accordance with ITA 13.1;

11.1.3. **Qualifications**: documentary evidence establishing the Applicant's qualifications, in accordance with ITA 14; and

11.1.4. any other document required as specified in the PDS.

11.2. **Application Submission Letter**

11.2.1. The Applicant shall complete an Application Submission Letter as provided in Section IV (Application Forms). This Form must be completed without any alteration to its format.

11.3. **Documents Establishing the Eligibility of the Applicant**

11.3.1. To establish its eligibility in accordance with ITA 4, the Applicant shall complete the eligibility declarations in the Application Submission Letter and Form ELI-1.1 (eligibility), included in Section IV (Application Forms).

11.4. **Documents Establishing the Qualifications of the Applicant**

11.4.1. To establish its qualifications to perform the contract(s) in accordance with Section III (**Qualification Criteria and Requirements**), the Applicant shall provide the information requested in the corresponding Information Sheets included in **Section IV (Application Forms)**.

11.4.2. Wherever an Application Form requires an Applicant to state a monetary amount, Applicants should indicate the Pak Rupee equivalent using the rate of exchange determined as follows:

11.4.2.1. for turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amounts for that year is to be converted).

11.4.2.2. value of single contract - Exchange rate prevailing on the date of the contract.

11.4.3. Exchange rates shall be taken from the publicly available source identified in the PDS. Any error in determining the exchange rates in the Application may be corrected by the Procuring Agency.

11.4.4. The documentary evidence of the Applicant's qualifications to conclude a contract Agreement, shall establish to the Procuring Agency's satisfaction:

11.4.4.1. that, if required in the BDS, an Applicant that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV A (Bidding Forms) to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Procuring Agency's Country;

11.4.4.2. that, if required in the BDS, in case of an Applicant not doing business within Islamic Republic of Pakistan (or the country where the procurement is being made), the Applicant is, or will be, (if awarded the call off contract) represented by an Agent in the country, equipped and able to carry out the Supplier's maintenance, repair, and spare parts stocking obligations in respect of the Goods.

D. Submission of Applications

15. Submission of the Applications through EPADS v2.0

15.1. The Bidder shall prepare and submit Bid with due diligence after carefully reading all the terms and condition before submission through ePADS in accordance with the procedures specified in the PDS.

15.2. In case the Applicant is a JV, the Application shall submit an authorized representative of the JV on behalf of the JV and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally

authorized signatories.

16. **Deadline for Submission of Applications**

16.1. Applicants shall be submitted through ePADS no later than the deadline indicated in the PDS.

16.2. If required in accordance with the provisions of ITA 8.3, the Procuring Agency will extend the deadline for the submission of Applications, in which case all rights and obligations of the Procuring Agency and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.

16.3. The deadline will be extended in the same manner as that of original Invitation for Prequalification (or the advertisement) through **EPADS v2.0**.

17. **Opening of Applications**

17.1. The Procuring Agency shall open all Applications on the date and time specified in the PDS through **EPADS v2.0**. Late Applications shall be treated in accordance with ITA 16.1.

E. Procedures for Evaluation of Applications

18. **Confidentiality**

18.1. Information relating to the Applications, their evaluation and results of the Prequalification shall not be disclosed to Applicants or any other persons not officially concerned with the Prequalification process until the notification of Prequalification results is made to all Applicants in accordance with ITA 26 through **EPADS v2.0**.

18.2. From the deadline for submission of Applications to the time of notification of the results of the Prequalification in accordance with ITA 26, any Applicant that wishes to contact the Procuring Agency on any matter related to the Prequalification process may do so only in writing through **EPADS v2.0**

19. **Clarification of Applications**

19.1. To assist in the evaluation of Applications, the Procuring Agency may, ask an Applicant for a clarification (including missing documents) of its Application, to be submitted within a stated reasonable period of time. Any request for clarification from the Procuring Agency and all clarifications from the Applicant shall be in writing through **EPADS v2.0**

19.2. If an Applicant does not provide clarifications and/or documents requested by the date and time set in the Procuring Agency's request for clarification, its Application shall be evaluated based on the information and documents available at the time of evaluation of the Application.

20. Responsiveness of Applications

20.1. The Procuring Agency may reject any Application which is not responsive to the requirements of the Prequalification Documents. In case the information furnished by the Applicant is incomplete or otherwise requires clarification as per ITA 19.1, and the Applicant fails to provide satisfactory clarification and/or missing information within prescribed time, it may result in disqualification of the Applicant.

21. Margin of Preference

21.1. Unless otherwise specified in the PDS, a margin of preference shall not apply in the Bidding process resulting from this Pre-qualification.

22. Sub-contractors

22.1. Subcontractors' qualification and experience will not be considered for evaluation of the Applicant. The Applicant on its own (without taking into account the qualification and experience of the Subcontractor) should meet the qualification criteria.

F. Evaluation of Applications and Prequalification of Applicants

23. Evaluation of Applications

23.1. The Procuring Agency shall use the factors, methods, criteria, and requirements defined in Section III, Qualification Criteria and Requirements, to evaluate the qualifications of the Applicants, and no other methods, criteria, or requirements shall be used. The Procuring Agency reserves the right to waive minor deviations from the qualification criteria if they do not materially affect the technical capability and financial resources of an Applicant to perform the contract, however subject to the provisions of ITA 25.

23.2. Subcontractors proposed by the Applicant shall be fully qualified for their parts of the Scope of Supply of the Goods and Allied Services.

23.3. In case of multiple contracts, Applicants should indicate in their Applications the individual contract or combination of contracts in which they are interested. The Procuring Agency shall prequalify each Applicant for the maximum combination of contracts for which the Applicant has thereby indicated its interest and for which the Applicant meets the appropriate aggregate requirements. The Qualification Criteria and Requirements are mentioned in Section III.

Only the qualifications of the Applicant shall be considered. The qualifications of other related entities such as the Applicant's subsidiaries, parent entities, affiliates, subcontractors or any other firm(s) different from the Applicant shall not be taken into consideration in determining the qualifications of the Applicant.

24. Procuring Agency's Right to Accept or Reject Applications

24.1. The Procuring Agency reserves the right to accept or reject all the Applications, and to annul the Prequalification process at any time, without thereby incurring any liability to the Applicants. However, the procuring agency shall record its reasons and justifications on **EPADS v2.0**, duly approved by the Principal Accounting Officer or Head of Organization.

25. Pre-qualification of Applicants

25.1. All Applicants whose Applications substantially meet or exceed the specified qualification requirements will be prequalified by the Procuring

Agency.

25.2. An Applicant may be “conditionally prequalified,” that is, qualified subject to the Applicant submitting or correcting certain specified nonmaterial documents or deficiencies to the satisfaction of the Procuring Agency.

25.3. Applicants that are conditionally prequalified will be so informed along with the statement of the condition(s) which must be met to the satisfaction of the Procuring Agency before or at the time of submitting their Bids.

26. Notification of Prequalification

26.1. The Procuring Agency shall notify all Applicants in writing through **EPADS v2.0** indicating the names of those Applicants who have been prequalified or conditionally prequalified. In addition, those Applicants who have been disqualified will be informed separately through **EPADS v2.0**.

26.2. The procuring agency shall communicate to those suppliers or contractors who have not been pre-qualified the reasons for not pre-qualifying them through **EPADS v2.0**

27. Request for Bids

27.1. Promptly after the notification of the results of the Prequalification, the Procuring Agency will invite the Bids from all the Applicants that have been prequalified through **EPADS v2.0**.

28. Changes in Qualifications of Applicants

28.1. Any change in the structure or formation of an Applicant after being prequalified in accordance with ITA 25 and invited to bid (including, in the case of a JV, any change in the structure or formation of any member thereto) shall be subject to the written approval of the Procuring Agency prior to the deadline for submission of Bids. Such approval shall be denied if:

28.1.1. a prequalified Applicant proposes to associate with a disqualified Applicant or in case of a disqualified joint venture, any of its members;

28.1.2. as a consequence of the change, the Applicant no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria and Requirements; or

28.1.3. in the opinion of the Procuring Agency, the change may result in a substantial reduction in competition.

28.2. Any such change should be submitted to the Procuring Agency before the date of “Invitation to Bids”.

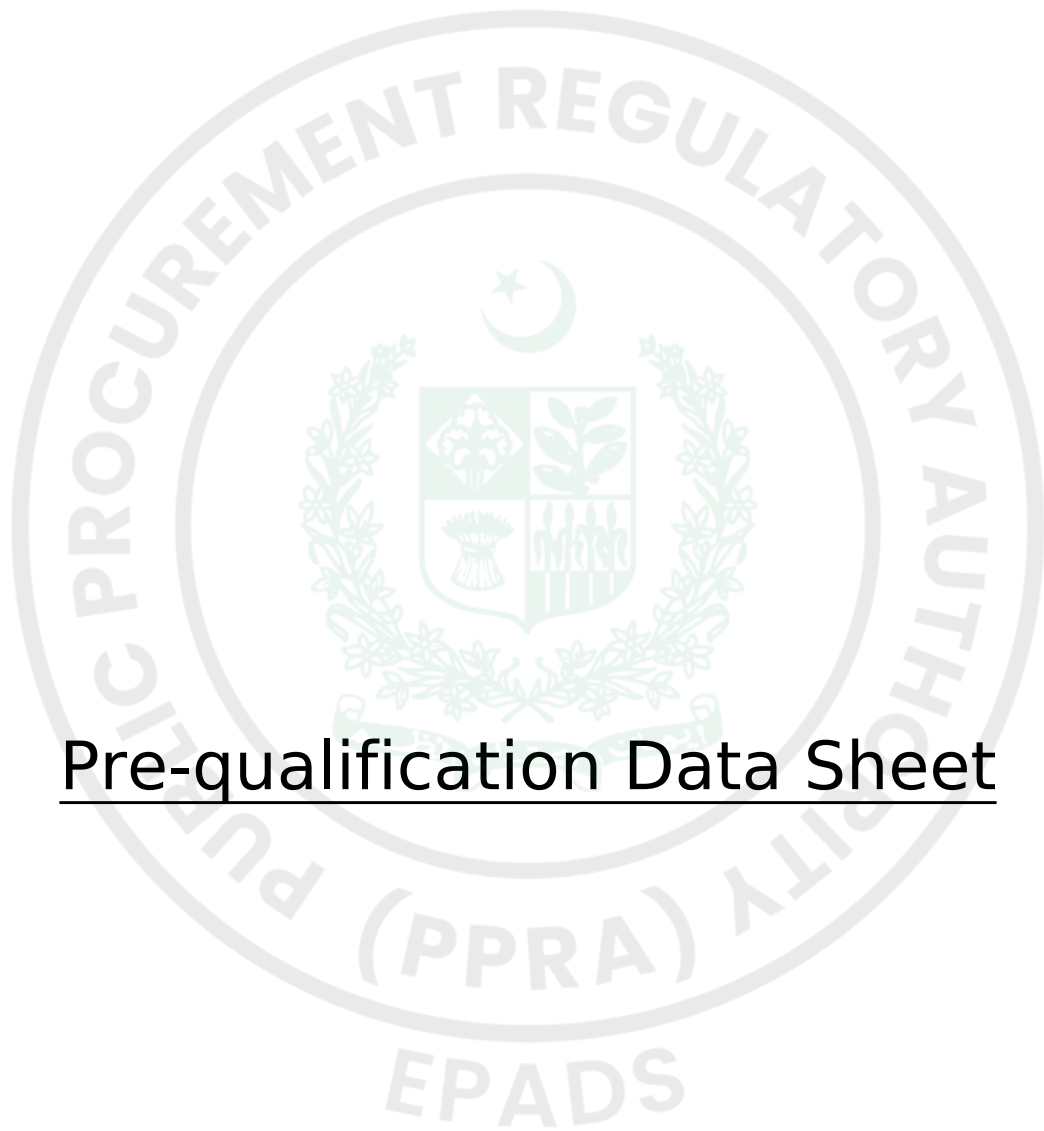
29. Redressal of Grievances

29.1. Procuring agency shall constitute a Grievance Redressal Committee (GRC) and proceed in accordance with the procedure and mechanism defined under Rule-65 of Public Procurement Rules, 2026.

29.2. The GRC shall not have any of the members of Procurement Evaluation Committee. The committee must have one subject specialist depending on the nature of the procurement.

30. Mechanism of Blacklisting

30.1. The procuring agency shall initiate blacklisting or debarment proceedings against any bidder, supplier or contractor in accordance with the mechanism prescribed under Rule-25 of Public Procurement Rules, 2026 read with “Mechanism for Blacklisting Regulations, 2024”.



Pre-qualification Data Sheet

Prequalification Data Sheet (PDS)

The following specific data for the Prequalification of Applicants shall complement, supplement, or amend the provisions in the Instructions to Applicants (ITA). Whenever there is a conflict, the provisions herein shall prevail over those in ITA.

PDS Clause Number

ITA Number

Amendments of, and Supplements to, Clauses in the Instructions to Applicants

A. General

PDS Clause Number 1

ITA Number 1.1

Identification Number of the Invitation for Prequalification: **P171330**

The Procuring Agency is: **Private Power & Infrastructure Board (PPIB) (Ministry of Energy (Power Division))**

List of Service Contracts:

See section services and Lots

PDS Clause Number 2

ITA Number 2.1

The name of Procuring Agency is: **Private Power & Infrastructure Board (PPIB) (Ministry of Energy (Power Division))**

The name of Project / Procurement is: **Expression of Interest (EOI) for Third Party Validation (TPV) Services for Solar Works of 100 MW Distributed Photovoltaic Solar Power Plants in Gilgit-Baltistan**

PDS Clause Number 3

ITA Number 4.2

Maximum number of members in a Joint Venture (JV): **3**

PDS Clause Number 4

ITA Number 4.5

A list of debarred firms and individuals is available on PPRA website: **<https://ppra.gov.pk>**

B. Contents of the Prequalification Document

PDS Clause Number 5

ITA Number 7.1

For clarification, the Applicant shall seek clarifications through: **EPADS v2.0**

PDS Clause Number 6

ITA Number 7.1 & 8.2

Information related to Prequalification shall be published on: **EPADS v2.0**

PDS Clause Number 7

ITA Number 7.2

Pre-Application Meeting: **Clarification Date: Tuesday, November 24, 2026**

C. Preparation of Applications

PDS Clause Number 8

ITA Number 10.1

This Prequalification Document has been issued in the language: **English**

PDS Clause Number 9

ITA Number 11.1(d)

Additional documents to be submitted through EPADS v2.0:

1. Submit Forms A-I with: signatory authority; firm registration, applicable PEC and tax evidence; JV agreement or signed letter of intent and member authorizations, if applicable; experience records and client completion/commissioning evidence; capability matrix, brief expert profiles and employment/consent evidence; conflict and eligibility declarations; three years' audited financial statements, JV reconciliation and exchange-rate evidence; completed checklist and addenda acknowledgements.

PDS Clause Number 10

ITA Number 14.2

Source for determining exchange rates: **Not Applicable**

D. Submission of Applications

PDS Clause Number 11

ITA Number 16.1

Deadline for Application Submission:

Day: **Friday**

Date: **Friday, November 27, 2026**

Time: **10:30 AM**

PDS Clause Number 12

ITA Number 17.1

Opening of Applications shall be conducted through: **EPADS v2.0**

Day: **Friday**

Date: **Friday, November 27, 2026**

Time: **11:00 AM**

Virtual participation link: **<https://vendors.epads.gov.pk/>**

E. Procedures for Evaluation of Applications

PDS Clause Number 13

ITA Number 21.1

Margin of Domestic Preference: **Not Applicable**

(Applicable only if authorized in Procurement Plan)

PDS Clause Number 14

ITA Number 29.1

Prequalification-related complaints / grievances shall be submitted in writing through: **EPADS v2.0**

A complaint may challenge:

- The terms of the Prequalification Documents
- The Procuring Agency's decision not to prequalify an Applicant

Eligibility & Qualification Criteria

All Active Taxpayers shall be eligible to participate in the procurement process, unless expressly excluded or otherwise restricted under the Eligibility Criteria specified by the Procuring Agency.

Required Registration
None

Eligibility Criteria	Document
Applicants shall meet all applicable requirements under Section 5 of the attached detailed EOI. Assessment shall be pass/fail, and all qualifying applicants shall be shortlisted. Read these documents with the attached “Amendment to Prequalification Data Sheet—Document Precedence.” In case of conflict, the detailed EOI shall prevail over the EPADS-generated provisions as specified in that amendment. Applicable laws, rules and regulations shall prevail over both documents.	No
1. Legal Registration and Eligibility The single firm and every Joint Venture (JV) member shall be legally constituted and have the capacity to enter into a contract. Provide incorporation/registration documents and satisfy applicable eligibility requirements concerning solvency, convictions, debarment and prohibited practices. Disclose relevant proceedings, restrictions and sanctions.	Yes
2. PEC Registration: Each Pakistani firm/JV member must hold valid PEC consulting registration. Foreign firms must join a PEC-registered Pakistani firm in a JV under E2 and PEC rules. Provide home-country registration, JV details and PEC pre-registration status, with undertakings to obtain required PEC Forms 4B/4C registrations before RFP proposal submission. Registrations mandatory at EOI stage must be provided; undertakings cannot replace them.	Yes

3. Tax Registration Each Pakistani firm/JV member shall provide valid FBR/NTN registration, active taxpayer evidence and applicable service-tax registrations. Foreign firms shall provide home-country tax registration/status and meet Pakistani tax requirements applicable to their status and activities. Any claimed non-applicability shall be supported by its legal basis and evidence.	Yes
4. Authorized Application and JV Arrangement The application shall be signed by an authorized representative, with supporting authorization. A JV shall comprise no more than three member firms. Identify its lead member, participation shares and responsibilities. Provide an executed JV agreement or letter of intent signed by all members, together with member authorizations. Each firm may participate in only one application, individually or as a JV member.	Yes
5. Independence and Integrity Applicants shall have no disqualifying conflict of interest. They shall not independently validate their own work, an affiliate's work or work in which they have a conflicting financial or professional interest. The single firm and every JV member shall submit separate conflict-of-interest and eligibility/debarment/integrity declarations in Forms G and H. Disclose relevant affiliations, project engagements and sanctions.	Yes

Evaluation Criteria

Quality Based Selection (QBS)

Weightage (Without Financial Criteria)

Technical Evaluation %	
100	
Technical Marks	100

Passing Marks		100
Q1 General experience		
Applies to: Single firm or JV lead member alone. At least ten years of general engineering/technical consulting experience as at the deadline. Incorporation alone does not establish consulting experience. Evidence: Form D with dated assignment evidence spanning the required period, contracts/completion certificates or client confirmations; Form B incorporation details. (Quantitative)(Doc Required)		15
Q2 Solar PV Experience		
Applies to: Single firm or JV members collectively. Consulting experience on Solar PV projects with cumulative capacity of at least 250 MWp commissioned within the ten years preceding the deadline. Evidence: Form E project schedule and project sheets; capacity, commissioning date, actual consulting role and documentary evidence for each claimed project. (Quantitative)(Doc Required)		15
Q3 BESS Experience		
Applies to: Single firm or JV members collectively. Consulting experience on BESS projects with cumulative energy capacity of at least 25 MWh commissioned within the ten years preceding the deadline. Evidence: Form E project schedule and project sheets; energy capacity, commissioning date, actual consulting role and documentary evidence. (Quantitative)(Doc Required)		15
Q4 Similar completed assignments		
Applies to: Single firm or JV members collectively. At least three successfully completed similar assignments within the ten years preceding the deadline involving Solar PV, BESS or comparable electrical infrastructure, comprising Independent Engineer, Owner's Engineer, Lender's Engineer, Technical Due Diligence, Technical Verification, TPV or Construction Monitoring services. Evidence: Form E, identifying the three or more assignments relied upon; client completion/acceptance evidence, contract summary and contactable client references.. (Quantitative)(Doc Required)		15
Q5 Multidisciplinary capability		

Applies to: Single firm or JV collectively. Demonstrate access to the ten disciplines listed in Section 4.12, through employees or an identified panel of associates, with qualifications and relevant experience stated. Detailed RFP expert scoring and exclusive deployment commitments are not applied at EOI stage. Evidence: Form F capability matrix covering all ten roles, brief profiles and evidence of employment or written consent to inclusion in the panel. Applicant's signed resource undertaking in Form A. (Qualitative)(Doc Required)	15
Q6 Financial capacity	
Applies to: Single firm or JV members collectively. Average annual turnover of at least PKR 100 million or equivalent during the last three financial years, and positive net worth in each of those years. For a JV, combine member figures for each relevant year, eliminate double counting, and then calculate the three-year average annual turnover; the combined net worth must be positive in each year. No separate minimum financial share is imposed on a member. Evidence: Form I; audited financial statements by UDIN where applicable in Pakistan, or equivalent verifiable audit evidence for foreign firms for each of the last three financial years for the single firm and every JV member, with reconciliation of the combined figures and currency conversions. (Quantitative)(Doc Required)	10
Q7 Solar electrical equipment and control interfaces	
Applies to: Single firm or JV members collectively. Demonstrated engineering review, supervision or independent verification experience covering MV/LV equipment, controls and RTU interfaces relevant to solar EPC works. Equipment supply alone is insufficient. Evidence: Form E project sheets identifying the relevant equipment/interfaces, consulting role and supporting contract/client evidence. The same assignments may support Q2-Q4 and Q7 where each requirement is evidenced. (Qualitative)(Doc Required)	15

Positions Without Lots :

Position: THIRD PARTY VALIDATION (TPV) SERVICES FOR SOLAR WORKS OF 100 MW DISTRIBUTED PHOTOVOLTAIC SOLAR POWER PLANTS IN GILGIT-BALTISTAN

Specifications / Requirements:

1. Scope and role: Independently verify solar works for the 100 MWp GB DPV Project: about 18.15 MWp rooftop PV with 11.1 MWh BESS at 499 buildings, and 82 MWp utility PV with 55 MWh BESS at four sites. Cover solar EPC works, approved changes and plant-level C&C/SCADA. Exclude non-solar and project-wide control-centre/EMS works except solar interfaces. TPV shall not replace Client/NESPAK approvals, supervision, contract management or payment certification.
2. Duration: Follow the Data Sheet and project schedules. Complete each site's checks, tests and reports by its COD, and final reporting and digital handover by the last solar COD. Exclude post-COD O&M, monitoring and defect inspections. Hand over later tests and warranty matters to Client/NESPAK.
3. Procurement and document review: Review both components RFPs, specifications, criteria, amendments, evaluations, approvals, awards, contracts and re-tendering under applicable rules and transition provisions. Review Rooftop Lots I-III and design approvals within 30 days; submit pending Lot III award findings before award consideration. Review the utility RFP before issue and within 30 days, and later procurement stages normally within seven working days of complete records. Review complete technical submissions through NESPAK within three working days, before Client approval. Keep a contract/design compliance record.
4. Milestones and payments: Verify every milestone and related payment through COD, including quantities, quality, claims, changes and time extensions. Review every site's records. Check past payments and identify unsupported, duplicate or excessive amounts. Provide an initial payment register with inception reporting and opening reconciliation within 30 days. Identify missing documents within two working days and report findings within seven working days of complete records. Do not recommend unsupported acceptance or payment.
5. Site coverage: Visit every rooftop site before COD to check location, PV/BESS capacities, main equipment, completeness, visible defects and safety. Use checklists and geo-tagged photos. Check at least 20% of distinct sites in each lot in detail, rounded up. Select sites independently using a Client-approved mix of representative random and higher-risk sampling. Start during installation; phase checks across work/payment stages. Use NESPAK records with independent evidence. Repeat visits do not count as extra sites. Expand checks for material discrepancies, safety risks, recurring defects or unreliable evidence, up to all affected sites. The RFP shall set extra-inspection instructions and rates. Fully cover all four utility sites. Separate basic and detailed checks; follow approved test sampling.
6. Technical checks: Check PV identity, ratings, serial records, certificates, warranties, origin, condition, layouts and strings; structures, foundations, anchors, bolt tightness and corrosion protection; inverters, protection and anti-islanding; cables,

switchgear, meters, earthing and lightning protection. Check BESS chemistry, capacity, BMS/PCS, SOC, alarms, temperature control, fire protection and shutdown against approved designs. At utility sites, also check civil works, transformers, solar HV/switchyard equipment, plant controls and grid connections. Conduct monthly drone surveys during construction and a commissioning survey, subject to permissions or approved alternatives.

7. Tests and performance: Witness required FAT/SAT, commissioning, grid-code and COD tests covering PV capacity, yield, PR and availability; BESS capacity, RTE, SOC and SOH; and SCADA data, alarms and communications. Verify the ten-day utility performance run where required by contract. Review records of earlier FAT. FAT professional time is included; EPC travel/lodging costs apply only as contracted. Record results, calibration evidence and limitations. Use thermal imaging and required or duly instructed targeted EL tests. Do not add contractor obligations retrospectively.

8. Reports and resources: Submit inception methodology within 15 days; set up DIMS/GIS within 30 days and enter initial data within 60 days. Submit monthly reports within ten days of month-end, quarterly audits, test reports within five working days and final COD findings. Keep asset, photo, payment and NCR records with Client access/backups. Report critical risks immediately; issue Critical NCRs within 48 hours and Major NCRs within five working days. Verify closure before related recommendations. Hand over minor open items without relaxing acceptance requirements. Provide the ten specified disciplines, inspectors, calibrated equipment, transport and digital tools. Initial deadlines run from commencement; days are calendar unless stated.

Scope of Work

1. Project and purpose: Independently verify solar works under the 100 MWp DPV Project in Gilgit-Baltistan: about 18.15 MWp rooftop PV with 11.1 MWh Battery Energy Storage Systems (BESS) at 499 public buildings and 82 MWp utility PV with 55 MWh BESS at four sites.

Capacities and site numbers are planning figures. Cover the approved solar facilities, signed EPC packages and approved changes. Check procurement, designs, equipment, installation, tests and payments against contracts and approved requirements, and provide evidence-based findings. The RFP shall identify the current site/lot schedule.

2. Role and limits of the assignment: Remain independent of EPC contractors, suppliers, manufacturers, NESPAK and other implementing parties. Cover PV, BESS, associated solar civil/electrical works and plant-level Control and Communication/SCADA.

Exclude non-solar and project-wide control-centre/EMS works except solar integration interfaces. Limit HV, switchyard and overhead-line checks to solar EPC packages and these interfaces.

Do not prepare detailed designs, provide routine supervision, approve drawings/materials, administer EPC contracts or certify payments. These duties remain with NESPAK/Engineer/Client. TPV records do not replace contractual certificates or reduce contractor responsibilities.

3. Assignment period and COD boundary: Follow the Data Sheet and project schedules. The stated completion baseline is 31 December 2028. Complete each site's inspections, tests, reports and handover by its Commercial Operation Date (COD), and consolidated reporting/digital handover by the last solar COD. For delayed COD, an extension of up to six months may be approved under the RFP contract arrangements solely to complete services through revised COD.

Exclude post-COD O&M supervision, performance monitoring and defects-liability inspections. Operational/performance checks refer to commissioning/COD tests; review warranties as documents only. Hand over later tests/warranty obligations to Client/NESPAK without extending TPV services.

4. Procurement and RFP review: Review procurement for both solar components, including completed stages, cancellations and re-tendering. Check RFPs, specifications, eligibility/qualification and evaluation criteria, clarifications, amendments, evaluations, approvals, awards and EPC contracts. Apply rules governing each procurement at initiation, including transition provisions.

Review Rooftop Lots I-III procurement, evaluations, awards and design approvals within 30 days of commencement. Give separate lot-wise findings/actions. Where Lot III award is pending, submit findings before award consideration within the same period.

Review the utility RFP for all four sites before issue and within 30 days. Check technical/procurement requirements, recommend amendments and record Client/NESPAK responses and closure. Review later procurement stages before decisions, normally within seven working days of complete records. Review completed stages retrospectively and state limitations.

5. Designs and project documents: Review contracts/amendments, designs/drawings, material submissions, specifications, inspection/test plans, FAT/SAT/commissioning records, measurements, payments, variations/claims, as-built drawings, O&M manuals and warranties.

Review existing rooftop designs, material submissions and approvals within 30 days. Comment on later complete submissions through NESPAK within three working days, before Client approval. Identify missing information promptly.

Keep a compliance matrix linking contract/design/specification/standard requirements to checks, evidence, results and outstanding actions. Report gaps and departures from approved requirements.

Acceptance criteria shall be based on the EPC contracts, approved designs and applicable mandatory standards. Industry guidance may support advice but shall not create new contractor obligations retrospectively.

6. Milestones, payments, variations and claims: Verify every milestone/payment through COD against quantities, quality, delivery, installation, inspection and test evidence. Review every rooftop site's records, including NESPAK records. Physical sampling shall not limit document/payment review.

Review variations, costs, claims and time extensions before approval/payment. Identify unsupported or duplicate amounts, contract departures and risks. Decisions remain with the authorized Engineer/Client.

Reconcile past payments against certificates, invoices, quantities, delivery/test records, photographs, site evidence and required milestones. Keep a register of verified, partly supported, unsupported, duplicate or potentially excessive amounts and recommended action.

Provide an initial register with inception reporting and opening reconciliation within 30 days. Update through COD as records arrive. Missing evidence does not prove satisfactory work.

For new payment submissions, identify missing documents within two working days and provide findings within seven working days of receiving complete records. Target three working days for urgent, fully documented cases. Plan final submissions and reviews to finish by COD.

7. Verification approach and site coverage: Prepare a Client-approved plan for document review, visits, measurements, functional checks and test witnessing, with sampling, acceptance criteria, specialist inputs and reporting. Use checklists and geo-tagged evidence.

Basic checks at every rooftop site: Visit every rooftop site before COD. Confirm building/location, installation, PV/BESS capacities, main equipment and completeness against approved records. Record visible defects and safety concerns using checklists/photos. Do not present basic checks as detailed testing or full compliance certification.

Detailed rooftop checks: Carry out detailed technical verification at a minimum of 20% of distinct sites in each lot, rounded up to the next whole site. Select sites independently under a Client-approved method combining representative random selection with selection of higher-risk sites. Cover different locations, contractors/installation teams, system capacities and PV/BESS arrangements.

Start detailed checks during installation and phase them across work/payment stages so recurring defects can be corrected early. Use NESPAK records with sufficient independent evidence. Repeat visits do not count as additional sites.

Expanded checks: Expand checks for material discrepancies, safety risks, recurring defects or unreliable evidence, in consultation with the Client. Systemic defects may require checks at all affected sites. Record reasons, findings and corrective checks. Minimum coverage shall not justify unsupported payment/acceptance.

The RFP shall specify instructions, scope and payment arrangements for additional detailed inspections beyond the 20% baseline. Complete all checks by the relevant COD.

Utility-scale coverage: Cover all four utility sites, including all delivered materials, installed systems and civil works. Apply approved inspection and test plans and expand testing where defects warrant it. Full coverage does not require destructive testing of every item.

Reports shall separate document review, basic checks and detailed verification, listing sites, selection, expansion, limitations and actions. Detailed rooftop checks below follow the sampling/expansion method; basic checks and document review cover every site.

8. Rooftop technical checks

Solar modules: Check make/model, ratings, serial records, certificates, warranties and origin against approvals. Cross-check installed identity and expand where differences arise. Inspect damage, discoloration and delamination; check orientation, tilt, spacing, mounting and strings. Use thermal imaging of representative strings for hot spots and faults.

Mounting structures: Check members, roof foundations, anchors/ballast, bolt torque, galvanization, corrosion protection, wind-load provisions and structural condition against approved designs.

Inverters: Check ratings, certificates, firmware, serials, warranties, installation, ventilation, settings and communications. Check commissioning records, protection, anti-islanding, fault detection and monitoring.

BESS: Check chemistry, capacity, identity, certificates and warranties; modules, racks, enclosures, BMS, power conversion and protection; state of charge, alarms, fault logs, communications, temperature control/HVAC, fire systems and emergency shutdown, as required by approved designs, contracts and mandatory safety requirements.

Electrical and monitoring systems: Check AC/DC cables, sizing, routing, supports, trays, conduits, terminations, labels, junction boxes, switchgear, protection and meters. Check earthing, bonding, earth resistance, continuity, earth pits and lightning protection. Check data collection, communications, software, alarms and logging for accurate recording and transmission.

9. Utility-scale technical checks

Civil works: Check site grading, drainage, piles and foundations, retaining structures, control buildings, equipment pads and fencing. Verify workmanship, dimensions, structural condition and compliance with approved designs.

PV arrays and inverter stations: Check array layouts, strings, fixed-tilt or tracker structures, bolt torque, cable management and equipment labels. Carry out string inspections and thermal surveys for abnormal heating, bypass-diode faults and string imbalances. Check inverters, step-up transformers, switchgear, clearances, ventilation and protection settings, and review pre-commissioning tests.

HV and electrical works: Verify solar-package switchyards and associated HV equipment, particularly the 132 kV switchyard at the 58 MW Solar Park at Bunji (Astoria). Check DC collector lines, MV/HV cables, relevant overhead lines, terminations, busbars, relays, surge arresters, earthing grids and lightning protection, including measured earth resistance.

Utility BESS: Check containerized units, modules/racks, BMS, Power Conversion Systems (PCS), plant BESS energy management, HVAC, sub-zero heating, fire protection, explosion protection and emergency shutdown as applicable to approved designs and contract requirements. Review safety certificates, warranties and cycle-life, capacity and degradation guarantees. Verify commissioning performance; long-term guarantees require document review only.

Plant controls: Check plant-level C&C/SCADA, data collection, real-time controls, alarms, communications, event records, dashboards, data accuracy and PV/BESS interfaces with the Grid Control Centre/EMS. This does not extend to excluded project-wide systems.

Drone surveys: Conduct monthly construction and comprehensive commissioning drone surveys at each utility site, subject to permissions/security restrictions. Provide mapped images, photographs and reports on progress, layouts, defects and site conditions. Propose equivalent methods for Client approval where flying is restricted.

10. Factory tests, commissioning and performance: Witness FAT at approved points for modules, inverters, structures and BESS; for utility sites also cover transformers, HV switchgear, containerized BESS and critical plant C&C/SCADA functions.

Review procedures and results, record deviations and verify corrective action before recommending dispatch. Review earlier FAT records where testing took place before TPV mobilization.

FAT professional time is included. EPC contractors pay travel/lodging only as expressly contracted and verified by the Client. The RFP shall identify uncovered costs and prevent double charging. No fixed FAT visit count is assumed at EOI stage.

Witness applicable Site Acceptance Tests (SAT), commissioning, grid-code and contractual COD tests. Check synchronization, low/high-voltage ride-through and active/reactive power control at the interconnection point.

Verify the ten-day continuous utility performance run where required by the EPC contract. If the contract specifies a different period or condition, apply that requirement and seek Client direction on the difference before testing. Refer tests falling after COD to

Client/NESPAK.

During contractual commissioning/COD tests, verify PV capacity, energy generation, specific yield, Performance Ratio (PR), availability and reliability. Check BESS usable capacity, round-trip efficiency, response times, availability, SOC accuracy and initial State of Health against contractual acceptance criteria and available manufacturer/test records.

Check SCADA, solar EMS interfaces and remote RTUs for data accuracy, alarms, reporting, stored data and communication availability. Compare results against contracts, approved designs and specifications. Report deficiencies and corrective actions before COD recommendations.

Record test conditions, instrument calibration, results, sample selection and limitations. Distinguish visual checks from thermal imaging and electroluminescence (EL) testing. Review available factory EL records; undertake additional EL where required by contract or justified by findings and duly instructed. Do not assume EL testing of every module or claim that visual checks rule out hidden defects.

11. Digital records and asset register: Set up the Digital Inspection Management System (DIMS) and GIS register structure with initial data within 30 days. Complete entry of available records within 60 days.

Provide inspection planning, mobile forms, geo-tagged/timestamped evidence, asset/NCR/corrective-action tracking, dashboards and reports, with Client access, secure storage and backups.

Map all rooftop/utility sites, BESS and solar infrastructure. Record site/building identity, district, GPS and contractor; PV capacity, module numbers, make/model, serials and warranties; inverter ratings/identity/warranties; BESS chemistry, capacity, identity, warranties and commissioning date; and transformer, switchgear, protection and metering details.

Record inspection, compliance, NCR and COD-readiness status. Separate rooftop document review, basic checks and detailed verification, with dates, evidence and limitations.

Maintain organized photographic, drone and thermal-image records linked to inspections. Thermal checks shall cover relevant modules, combiner boxes, connections, switchgear, transformers, terminations, distribution boards, batteries and PCS.

Update records through each site's COD and hand over complete records, usable exports, documentation and administrative access by the last solar COD. Post-COD hosting, operation, maintenance and updating are the Client's responsibility.

12. Defects and corrective action: Maintain a register of Non-Conformance Reports (NCRs), showing the defect, site/equipment, requirement, responsible party, target date, evidence, classification, status and closure history.

Critical NCR: For immediate safety risks or conditions preventing safe/reliable operation, notify the Client, NESPAK and contractor

immediately and issue a written NCR within 48 hours. Do not recommend affected commissioning, acceptance or milestone payment until satisfactory closure is independently verified.

Major NCR: For defects materially affecting design, specification, contractual compliance or performance without an immediate safety risk, issue an NCR within five working days. Close it before the relevant Verification Certificate or Commissioning Compliance Report.

Minor NCR: Track localized defects that do not materially affect safety, compliance or performance. Seek closure normally within 30 days or another period agreed with the contractor and accepted by the Client. Hand over minor items still open at COD to Client/NESPAK without extending TPV services or waiving acceptance conditions.

Observations: Record improvement opportunities and emerging risks. Formal corrective tracking is required only if the item is reclassified as an NCR.

Escalate seven or more similar Minor NCRs across sites, or recurring at the same site after reported closure, as a systemic Major NCR. Notify the Client, consider expanded checks and report open and closed NCRs monthly.

13. Reports and deliverables:

Provide:

- Inception report and verification methodology within 15 calendar days, covering staffing, risks, coverage, sampling, test methods, acceptance criteria, reporting and COD planning.
- Procurement, design, historical payment and milestone reports within the periods stated above.
- Monthly reports within ten days of month-end: progress, procurement/payments, risks, NCRs/actions, rooftop coverage by lot and all utility-site findings.
- Quarterly technical audits of design compliance, quality, safety, progress and commissioning performance, with the related monthly report.
- FAT/SAT, commissioning and performance reports within five working days of witnessing/complete evidence, before recommendations and by COD. Report urgent failures immediately.
- Separate procurement, rooftop, utility and BESS verification records after the relevant checks and closure of Critical/Major NCRs.
- Final site/lot findings by applicable COD and consolidated validation, COD recommendations and digital handover by the last solar COD.

Submit editable and searchable PDF reports with measurements, calculations, tests and photos. State requirements, evidence,

findings, limitations and actions; include partial reporting periods in COD reports.

Submit draft final findings early enough for Client review. The Client shall review reports within 14 calendar days; the Consultant shall address comments within five working days. Plan these steps to finish by COD. No reporting period creates a post-COD extension. Record unresolved matters for Client/NESPAK follow-up.

Promptly report access/record delays, impacts and mitigation. Extensions follow the contract and do not allow unsupported certification. Client review does not remove TPV responsibility.

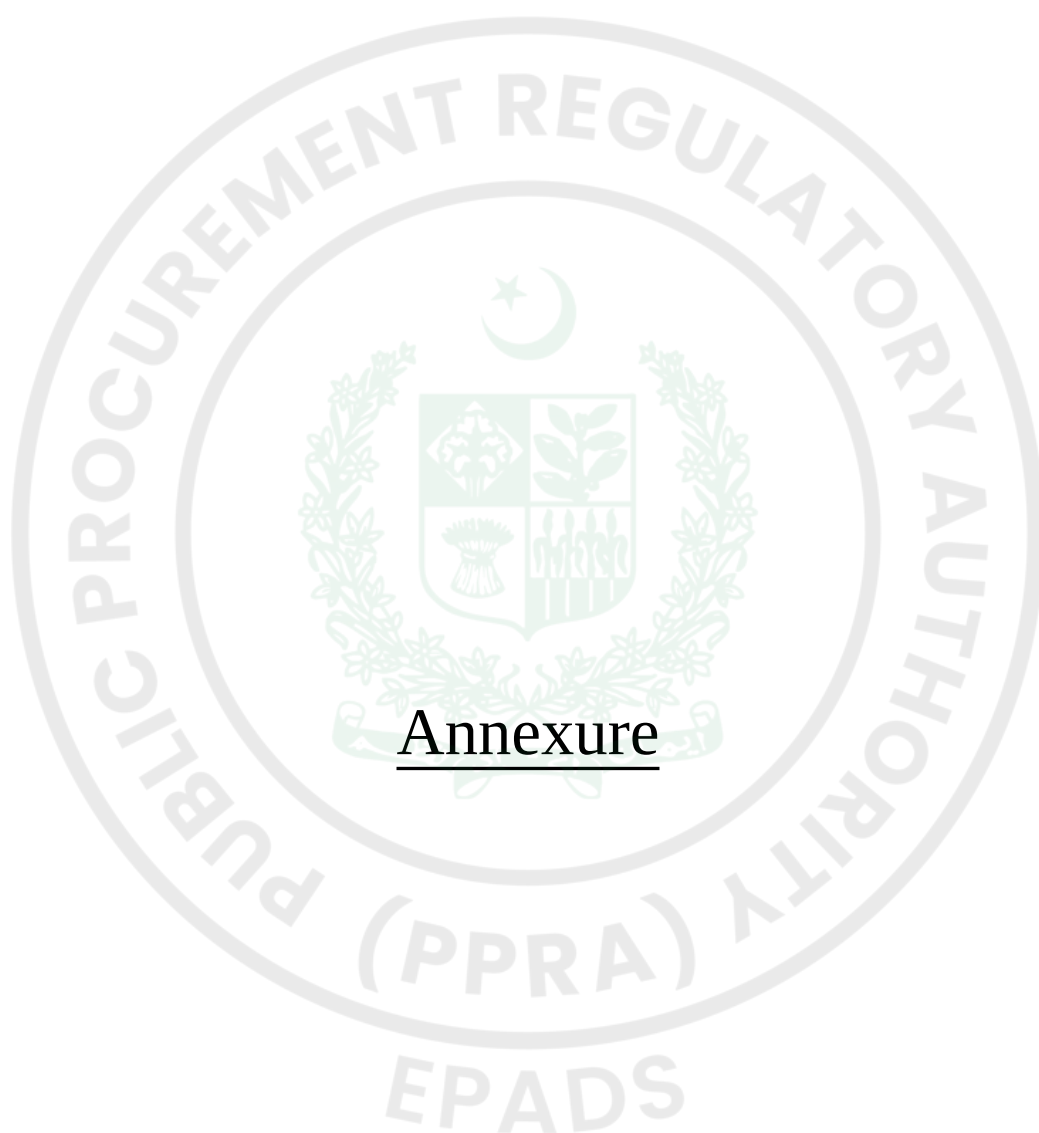
14. Personnel and resources: Provide the following ten disciplines: Team Leader/Renewable Energy Expert; Solar PV Expert; BESS Expert; Senior Electrical Engineer; Senior Civil Engineer; QA/QC Expert; HSE Expert; Monitoring and Data Systems Expert; Procurement Expert; and Quantity Surveyor.

Use qualified inspectors under specialist oversight for all rooftop basic checks. Specialists/inspectors shall perform detailed/expanded rooftop checks and full utility coverage. Combine visits where practical.

Provide field presence, calibrated instruments, transport, communications, digital tools and specialist testing. Detailed qualifications and inputs shall be specified at RFP stage; EOI evidence is limited to published corporate capability requirements.

Initial deadlines run from commencement; days are calendar unless stated. Working days are the Client's Islamabad working days, excluding public holidays. Read with the detailed EOI TORs and Data Sheet.





Annexure

Form A - Letter of Application

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form A - Letter of Application** (page number: 42)

Form B -Firm Information

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form B -Firm Information** (page number: 43)

Form C- JV Information

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form C- JV Information** (page number: 44)

Form D -General Consulting Experience

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form D -General Consulting Experience** (page number: 45)

Form E - Specific and Similar Assignment Experience

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form E - Specific and Similar Assignment Experience** (page number: 46)

Form F-Multidisciplinary Capability

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form F-Multidisciplinary Capability** (page number: 47)

Form G-Conflict of Interest Declaration

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form G-Conflict of Interest Declaration** (page number: 48)

Form H - Eligibility Debarment and Integrity Declaration

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form H - Eligibility Debarment and Integrity Declaration** (page number: 49)

Form I-Financial Capacity

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **Form I-Financial Capacity** (page number: 50)

Amendment to Prequalification Data Sheet—Document Precedence

Information (Read-Only)

See Form Under Additional Forms and Documents: **Amendment to Prequalification Data Sheet—Document Precedence** (page number: 52)



Procurement Forms

Past Construction Experiences

See Form Under Additional Forms and Documents: **Past Construction Experiences** (page number: 91)

Past Experience and Completed Contracts

See Form Under Additional Forms and Documents: **Past Experience and Completed Contracts** (page number: 97)







Additional Forms and Documents

Form A - Letter of Application

Use the applicant's letterhead. For a JV, sign through the representative authorized by all members.

To: Project Director (Solar Works), PMU, PPIB

EOI reference: _____

Assignment: Third Party Validation services for solar works of the 100 MW Distributed Photovoltaic Solar Power Plants in Gilgit-Baltistan

We, the undersigned, apply for shortlisting for the above assignment as [a single consulting firm / a joint venture comprising the members identified in Form C]. Having examined the EOI document and its addenda, we confirm that:

- The information and evidence submitted are true, complete and accurate to the best of our knowledge, and we meet all applicable eligibility and qualification requirements at the submission deadline.
- We accept assessment solely on the published pass/fail criteria and authorize PPIB to verify our registrations, experience, client references and declarations.
- We are independent of the works and services to be validated. All actual or potential conflicts, relevant affiliations and project engagements are disclosed in Form G.
- We have, or have access to, the managerial, personnel, equipment, field and financial resources necessary to undertake the scope, subject to the final RFP and contract. Form F identifies our access to the required disciplines.
- We understand that this application is for shortlisting only, involves no financial offer and creates no right to contract award. If shortlisted, we intend to respond to the RFP and provide the required technical and financial proposals.
- We shall notify PPIB promptly of any material change affecting our eligibility, JV composition, independence or qualification. We accept that a material false declaration may result in disqualification and action under applicable law.

Applicant or JV name: _____

Lead member if applicable: _____

Addenda acknowledged by number and date:

Application contact and email: _____

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Attach signatory authority and, for a JV, authorizations from all members.

Form B - Firm Information

Complete separately for the single firm and every JV member. Attach incorporation/legal registration, applicable PEC registration and tax/ATL evidence.

Legal name of firm: _____

Trading name if different: _____

Country and date of incorporation: _____

Legal form and registration number: _____

Registered address: _____

Operational office and address: _____

Telephone and email: _____

Website: _____

Authorized contact and designation: _____

Role in this application: _____

PEC registration category number and expiry: _____

Foreign professional registration if applicable: _____

NTN and active taxpayer status: _____

Applicable service tax registration: _____

Home country tax registration for foreign firms: _____

Legal basis of any registration non applicability: _____

Names of parent entities and relevant affiliates: _____

Supporting documents attached and page references:

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form C - Joint Venture Information

Complete only for a JV. Attach the executed JV agreement or a letter of intent signed by all members, together with signatory and lead-member authorizations.

Proposed JV name: _____

Lead member: _____

Authorized _____ representative _____ and _____ contact: _____

Member legal name and country	Share percent	Role and services	Authority attachment

The members confirm their intention to participate together, the stated allocation of responsibilities, and their joint and several liability if awarded the consultancy contract. The proposed arrangement will comply with applicable PEC requirements. The members authorize the identified representative to submit this EOI and receive communications on their behalf.

The participation shares stated above total 100 percent. The executed agreement or signed letter of intent identifies all members and contains these commitments.

Member	Authorized designation	signatory and	Signature and date

Form D - General Consulting Experience

Complete for the single firm or JV lead member. Demonstrate at least ten years of consulting activity with dated assignments and supporting evidence, including earlier assignments where needed to establish the full period.

Name of firm: _____

Date _____ consulting _____ operations _____ commenced: _____

Dates from and to	Assignment and client	Country and consulting role	Evidence reference

Include client contact details and contract/completion/acceptance records or equivalent verifiable evidence for the assignments relied upon. Incorporation alone is insufficient.

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form E - Specific and Similar Assignment Experience

Complete the schedule and one project sheet for each assignment relied upon. Identify the member claiming the experience. Attach the evidence specified in Section 5.

Project and claiming member	PV MWp DC (qualifying); MW AC (information only)	BESS MWh and basis	Date service in	Consulting completion date	Criteria and evidence

Non-duplicated qualifying PV total: _____ MWp DC (documented installed module capacity).

Non-duplicated qualifying BESS total: _____ MWh (identify capacity basis).

Number of qualifying completed similar assignments of the single firm/JV collectively: _____.

Project sheet

Project and location: _____

Client and contact details: _____

Applicant or member that performed the services: _____

Consulting contract title number and dates: _____

Role _____ and _____ services _____ actually performed: _____

PV capacity: _____ MWp DC (qualifying capacity); _____ MW AC (for information only).

BESS capacity and nameplate or usable basis: _____

Project _____ or _____ component _____ commissioning _____ date: _____

Consulting _____ assignment _____ completion _____ date: _____

Prior JV share and actual technical scope if any: _____

Contract value and original currency for information: _____

Criteria claimed and capacity credited including Q7: _____

Supporting certificates and evidence page references: _____

Describe the relevant MV/LV equipment, controls and RTU interfaces for Q7, similarity to this assignment, and the basis for capacity claimed, including separate phases and avoidance of double counting: _____

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form F - Multidisciplinary Capability

Identify the firm's/JV's personnel or panel of associates covering each discipline. Attach a brief profile for each named person and evidence of employment or written consent to inclusion. This is capability evidence; detailed deployment, man-months and exclusive availability commitments are not required at EOI stage.

Discipline	Name and employer or association	Qualification and relevant experience reference	Access evidence
Team Leader / Renewable Energy Expert			
Solar PV Expert			
BESS Expert			
Senior Electrical Engineer			
Senior Civil Engineer			
QA/QC Expert			
HSE Expert			
Monitoring and Data Systems Expert			
Procurement Expert			
Quantity Surveyor			

Brief personnel profile

Name and discipline covered: _____

Employer and employment or associate status: _____

Relevant degree or professional qualification: _____

Professional registration where applicable: _____

Relevant assignment experience and role: _____

Reference to employment or panel consent evidence: _____

An associate's consent may state: "I consent to being identified in the applicant's panel for this EOI. My qualifications and experience stated in the attached profile are accurate. Any later deployment is subject to the RFP requirements and a confirmed availability commitment."

Professional's signature/date: _____ Applicant's signature: _____

Form G - Conflict of Interest Declaration

Complete and sign separately for every firm/JV member. Disclose relevant activities of affiliates, associates and proposed personnel.

Firm name: _____

EOI reference: _____

We confirm that we have disclosed below all actual or potential conflicts affecting independent TPV of this project, including:

- Prior or current involvement in preparing, designing, approving, supplying, constructing, supervising or administering the solar works or related procurement to be reviewed.
- Ownership, control, financial or business relationships with EPC contractors, manufacturers, suppliers, NESPAK or other parties whose work would be validated.
- Other consulting assignments, personnel relationships or interests that could impair impartiality or require us to verify our own work.

Disclosure: [State "None" or describe the entity/person, role, dates, relationship and affected works; attach supporting information.]

We undertake not to accept a conflicting engagement and to notify PPIB promptly of any subsequent conflict. We understand that disclosure does not cure a disqualifying conflict and that PPIB shall assess eligibility under Regulation 4 and the published independence requirements. We shall not validate work performed by ourselves or a party whose relationship creates a disqualifying conflict.

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form H - Eligibility Debarment and Integrity Declaration

Complete and sign separately for the single firm and each JV member. A signed declaration/undertaking is acceptable at EOI stage; equivalent duly executed affidavits may be submitted.

Firm name: _____

Country of registration: _____

EOI reference: _____

We declare that, at the application deadline:

- We have legal capacity to contract and satisfy the applicable eligibility conditions of Rule 21 of the Public Procurement Rules, 2026.
- We are not bankrupt, insolvent, being wound up or subject to suspension or proceedings that disqualify us under Rule 21. Relevant proceedings, convictions or restrictions, if any, are fully disclosed below with supporting documents.
- We are not subject to a current blacklisting, debarment or cross-debarment preventing participation, including applicable sanctions imposed by a Pakistani procuring agency/PPRA, international financial institution, international organization, foreign country or multilateral development bank under the applicable PPRA provisions.
- The firm and its owners, beneficial owners, directors and officers are not subject to disqualifying convictions or debarment under Rule 21. Any relevant sanctions or convictions and their current status are disclosed below.
- We have not engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in relation to this procurement. We have not offered or agreed any improper payment or inducement to obtain shortlisting or the contract.
- We shall provide beneficial ownership information and execute the prescribed Integrity Pact at the stage and in the form required by applicable regulations and the subsequent RFP. We shall promptly disclose any change in these declarations.

Disclosures and supporting evidence: [State "None" or give full particulars, dates, issuing authority, status and documentary references.]

We understand that false or misleading declarations may result in disqualification and further action under applicable law.

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form I - Financial Capacity

Complete for the single firm and separately for every JV member. Attach audited financial statements supported by UDIN where applicable in Pakistan, or equivalent verifiable audit evidence for foreign firms for each of the last three financial years. A JV shall also submit the combined schedule and reconciliation below. These are qualification records, not a financial proposal.

Firm name and JV role if applicable: _____

Financial statement currency: _____

Auditor name and report references: _____

Financial end	year	Annual turnover	Total assets	Total liabilities	Net worth

Amounts above are in the financial statement currency. Identify the audited statement page for every amount and explain any adjustment in an attached reconciliation.

Year end	PKR per currency unit and source	Turnover in PKR	Net worth in PKR

Three-year average annual turnover in PKR: _____. Attach exchange-rate source/date, conversion calculations and supporting statement references. For a single firm, net worth must be positive in each year and average annual turnover must be at least PKR 100 million. For a JV, these tests apply to the combined figures in the continuation schedule, not to each member separately.

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form I - Continued Joint Venture Financial Reconciliation

For a JV only. Attach a member-by-member schedule for each year showing turnover, assets, liabilities, net worth, currency conversion and all eliminations. Do not count the same revenue or asset twice.

Financial year	Combined turnover PKR after eliminations	Combined net worth PKR after eliminations	Reconciliation reference

Combined three-year average annual turnover in PKR: _____.

Explain differences in members' financial year-end dates and identify consistently the three relevant annual reporting periods. Reconcile the combined figures to every member's audited financial statements and to the member schedules in Form I.

We confirm that the calculations are derived from the attached audited statements, that the relevant currency conversion method has been applied consistently, and that duplicate amounts and intra-JV items have been eliminated in the combined figures.

JV name: _____

Authorized representative: _____

Attached audited statements and reconciliation references: _____

Authorized signature: _____ Date: _____

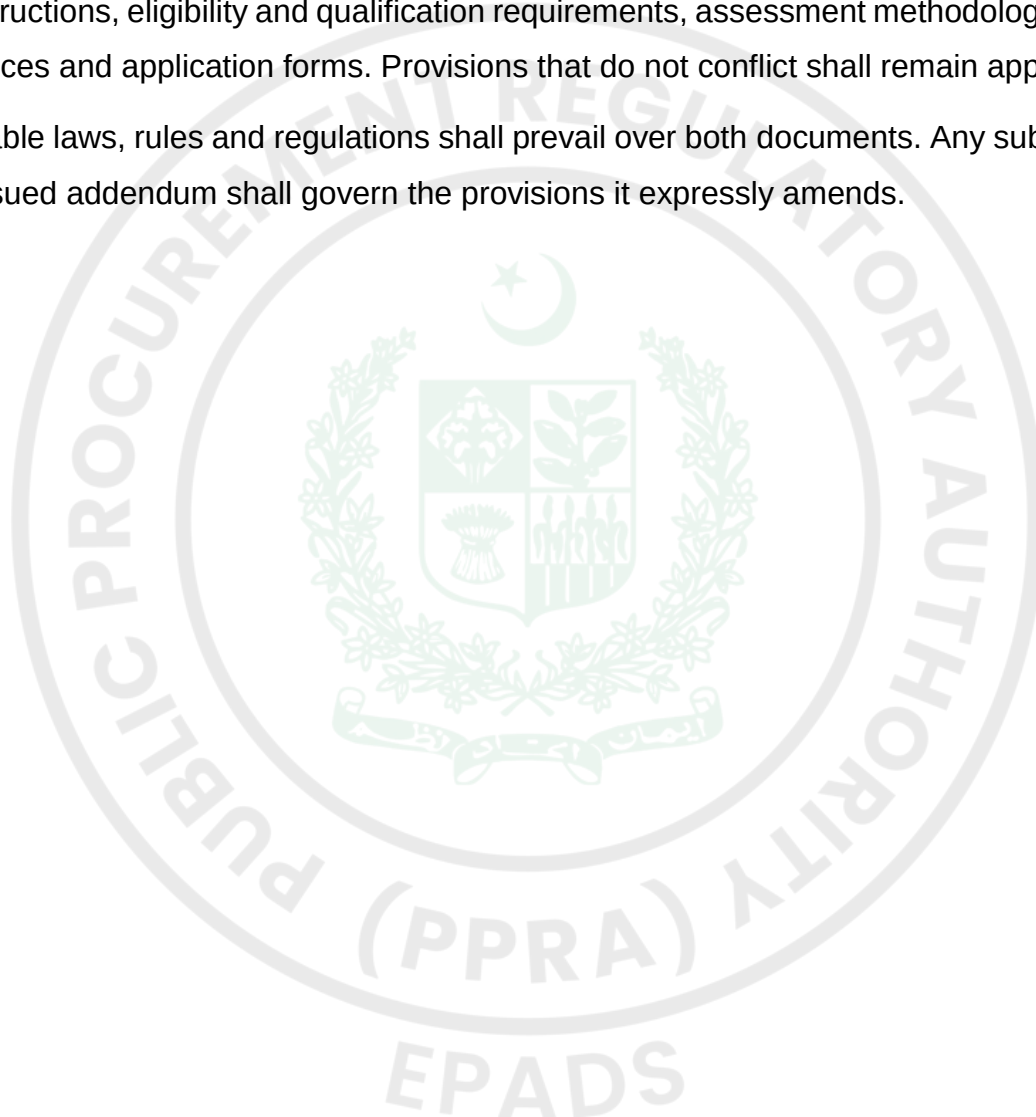
Name and designation: _____ Firm and seal: _____

Amendment to Prequalification Data Sheet—Document Precedence

This provision supplements the Prequalification Data Sheet and amends ITA 6.9 to the extent stated below.

The detailed Expression of Interest for Third Party Validation Services for Solar Works, attached as Annexure A, forms an integral part of these Prequalification Documents. Notwithstanding any contrary provision in the EPADS-generated document, including ITA 6.9, Annexure A shall prevail to the extent of any inconsistency or conflict. This applies to the instructions, eligibility and qualification requirements, assessment methodology, scope of services and application forms. Provisions that do not conflict shall remain applicable.

Applicable laws, rules and regulations shall prevail over both documents. Any subsequent duly issued addendum shall govern the provisions it expressly amends.





GOVERNMENT OF PAKISTAN

**PRIVATE POWER & INFRASTRUCTURE BOARD
(PPIB)**



EXPRESSION OF INTEREST (EOI)

FOR

**“THIRD PARTY VALIDATION (TPV) SERVICES FOR SOLAR WORKS OF
100 MW DISTRIBUTED PHOTOVOLTAIC SOLAR POWER PLANTS IN GILGIT-
BALTISTAN”**

EOI Reference No: P171330

OCTOBER 2026

Office of the Project Director (Solar Works)

100 MW Distributed Solar PV Plants at Various Sites in Gilgit-Baltistan

PPIB, Ministry of Energy (Power Division)

2nd Floor, OPF Building, Shahrah-e-Jamhuriat

Sector G-5/2, Islamabad, Pakistan.

Table of Contents

SECTION 1: INVITATION TO APPLICANTS

SECTION 2: INSTRUCTIONS TO APPLICANTS

SECTION 3: APPLICATION DATA-SHEET

SECTION 4: SCOPE OF PROCUREMENT AND TERMS OF REFERENCE

SECTION 5: ELIGIBILITY AND SHORT-LISTING CRITERIA

SECTION 6: APPLICATION FORMS



Section 1 - Invitation to Applicants

The Project Management Unit (PMU), Private Power and Infrastructure Board (PPIB), invites Expressions of Interest from eligible and experienced consulting firms and joint ventures through open international competition for Third Party Validation (TPV) services for the solar works of the above Government of Pakistan funded project.

The assignment covers rooftop and utility-scale Solar PV, Battery Energy Storage Systems (BESS), associated solar electrical and civil works, and plant-level C&C/SCADA. Services include independent review of RFPs and procurement, including procurement already undertaken for Rooftop Lots I, II and III; verification of design, supply, installation, testing and commissioning; and verification of contractual milestones and related payments through COD, including payments already made. The TPV engagement ends at COD and excludes post-COD operations and maintenance services.

Applicants will be shortlisted on the published pass/fail criteria in Section 5. These include at least ten years of relevant general consulting experience for the single firm or JV lead member; cumulative consulting experience covering at least 250 MWp of commissioned Solar PV and 25 MWh of commissioned BESS during the last ten years; at least three completed similar assignments by the single firm or JV members collectively during that period; the financial capacity and electrical/control-interface experience requirements; and access to the multidisciplinary expertise specified in Section 5. Pakistani firms shall hold valid PEC consulting registration, applicable tax registrations and active taxpayer status. Foreign firms shall comply with the applicable PEC requirements specified in Section 5.

All applicants meeting the published requirements will be shortlisted. Only shortlisted applicants will be invited to submit separate Technical and Financial Proposals through EPADS under Quality and Cost Based Selection (QCBS) at the subsequent RFP stage. No financial proposal or bid security is required with this EOI.

The complete EOI document and application forms are available free of charge through EPADS at <https://epads.gov.pk>, the PPRA website at <https://ppra.gov.pk> and the PPIB website at <https://www.ppib.gov.pk>. Applications must be submitted electronically through EPADS by November 27, 2026 at 10:30 A.M. Pakistan Standard Time and will be opened through EPADS on the same date at 11:00 A.M.

Contact: Project Director, PMU, PPIB

Address: 2nd Floor, OPF Building, Shahrah-e-Jamhuriat,
Sector G-5/2, Islamabad, Pakistan.

Telephone: 051-9202092

Email: haseeb.nawaz@ppib.gov.pk

Section 2 - Instructions to Applicants

These Instructions apply to the EOI shortlisting process. Assignment-specific particulars are set out in Section 3, the scope in Section 4, the complete assessment criteria in Section 5 and the application forms in Section 6. The Application Data Sheet supplements these Instructions; it does not introduce additional qualification criteria.

ITA 1 Scope and Governing Framework

The Procuring Agency identified in the Application Data Sheet invites applications for shortlisting for the consulting assignment described in Section 4. This EOI is not a request for priced proposals and does not constitute an offer of a contract.

The procurement is governed by the Public Procurement Rules, 2026, notified through S.R.O. 1658(I)/2026, and the applicable Procurement of Consultancy Services Regulations, 2010, as amended. The document follows the EOI components specified in Rule 34(6). In the event of inconsistency, the applicable law shall prevail.

ITA 2 Eligible Applicants and Independence

An applicant may be a legally constituted consulting firm or a joint venture of such firms. Each member shall satisfy the eligibility requirements applicable to it. Qualification may be combined only where Section 5 expressly allows aggregation.

Applicants, their JV members and the personnel or associates involved in the assignment shall be free of conflicts of interest. A firm shall not independently validate its own work, that of an affiliate, or work in which it has a conflicting financial or professional interest. Disclosure and assessment shall follow Section 5 and Form G.

An applicant shall submit only one application, either individually or as a JV member. Participation in more than one application in either capacity will render the applications concerned ineligible. A declared subconsultant does not constitute a JV member and its corporate experience shall not be used to meet the firm/JV thresholds.

ITA 3 Joint Ventures

A JV shall identify its lead member, all members, proposed participation shares and division of services. It shall submit an executed JV agreement or a letter of intent signed by every proposed member undertaking to execute the JV agreement if shortlisted and invited to contract. The arrangement shall comply with applicable professional registration requirements.

All members shall authorize the lead member and the application signatory. If awarded the assignment, the members shall be jointly and severally liable for performance. Changes in JV membership after the deadline require the Procuring Agency's written approval and reassessment against the same published requirements; no change may be used to cure a failure to qualify at the deadline or undermine competition.

ITA 4 Clarifications and Amendments

Applicants may request clarification through EPADS up to three days before the application deadline. The Procuring Agency shall respond through EPADS within two days and make the clarification available equally to all prospective applicants without identifying the requesting applicant.

Amendments shall be issued through EPADS and published in the same manner as the original notice where required. The Procuring Agency, at its discretion, may extend the deadline to allow adequate time to respond. Applicants shall check EPADS for amendments and acknowledge them in Form A. Any pre-application meeting is specified in the Application Data Sheet; attendance shall not be a condition of shortlisting.

ITA 5 Preparation of the Application

Applications and correspondence shall be in the language specified in the Application Data Sheet. Supporting documents in another language shall be accompanied by an accurate English translation of the relevant portions. Applicants shall bear their own preparation and submission costs.

The application shall contain the signed Letter of Application and the forms and supporting evidence listed in Section 6. Each JV member shall submit its own firm information and declarations. The application shall identify the evidence supporting each qualification requirement, with page references.

Only corporate qualification and capability information is required at this stage. Do not submit a financial proposal, fee rates, a detailed technical methodology, a deployment/man-month schedule, an implementation Gantt chart or an executed contract-stage Integrity Pact. The later RFP will prescribe these requirements, where applicable. The personnel capability information in Form F is required solely to demonstrate access to relevant disciplines; it is not a scored technical proposal.

Copies shall be legible and capable of verification. The Procuring Agency may seek originals or confirmation from issuing authorities and clients. Materially false, inaccurate or misleading information may lead to disqualification and action under the applicable procurement framework.

ITA 6 Signing and Authority

The Letter of Application and declarations shall be signed by a person duly authorized to bind the applicant. Attach the power of attorney, board resolution or equivalent authorization. For a JV, provide the authorizations from all members. Forms requiring separate member declarations shall be signed by each member's authorized representative.

ITA 7 Electronic Submission and Opening

Submit the complete application through the EPADS procurement entry identified in the Application Data Sheet before the specified deadline. The applicant is responsible for completing registration, uploading legible files and obtaining the system acknowledgement in time. Submission by email, fax or hard copy shall not substitute for EPADS submission.

Applications may be replaced or withdrawn through EPADS before the deadline, using the system's permitted functions. Late applications shall not be accepted. After opening, applicants may not alter the substance of their applications.

Applications shall be opened through EPADS at the time stated in the Application Data Sheet, on the submission date and at least thirty minutes after the deadline. Opening records shall be maintained through EPADS. If that date is declared a public holiday, or opening cannot take place because of EPADS-related issues, submission and opening shall shift to the next working day at the same respective times, in accordance with the applicable rules.

ITA 8 Assessment and Clarification of Applications

The selection committee shall assess applications solely against the requirements and evidence specified in Section 5. Assessment is pass/fail, without points, undisclosed ranking factors or a maximum shortlist size. Additional experience beyond the minimum does not exclude another applicant meeting the requirements.

The Procuring Agency may seek clarification or verification through EPADS. Clarification shall not permit a material change to the application, introduction of qualifications acquired after the deadline or substitution of experience or JV members to cure failure to meet a requirement. Eligibility and qualification must exist at the deadline and remain valid through the subsequent procurement stages.

All applicants satisfying all applicable requirements will be shortlisted. In accordance with Regulation 6 of the Procurement of Consultancy Services Regulations, 2010, the shortlist will

normally contain at least three consultants, with no upper limit; where fewer than three apply, their applications may be considered on merit. The published requirements shall not be relaxed after submission to achieve a particular shortlist size.

ITA 9 Notification and Subsequent RFP

The Procuring Agency shall publish the shortlisting evaluation report through EPADS, the PPRA website and its own website, notify every applicant of its result, and communicate reasons to unsuccessful applicants. The anticipated assessment period and validity of the shortlisting are stated in the Application Data Sheet.

Only shortlisted applicants shall be invited to the subsequent RFP. The RFP shall set out the final TOR, proposal evaluation criteria, technical/financial submission arrangements and draft contract. Shortlisting does not guarantee award or waive verification of continuing eligibility. The Procuring Agency may discontinue or re-invite the procurement only in accordance with the applicable procurement framework, with the required reasons and notifications.

ITA 10 Grievances

An applicant or other aggrieved party may submit a written complaint to the Grievance Redressal Committee identified in the Application Data Sheet under Rule 65 of the Public Procurement Rules, 2026. Complaints against eligibility parameters, evaluation criteria or other document conditions shall be filed no later than two days before the submission deadline.

Complaints following submission shall be made within the applicable Rule 65 period: seven days from announcement of a technical evaluation report and five days from issuance of a final evaluation report. The EOI shortlisting report will be published as the technical qualification evaluation report, with its seven-day grievance deadline stated in the notification. The GRC shall decide within ten days of receipt. A party dissatisfied with the decision, or with failure to decide within that period, may appeal to PPRA under Rule 65(7), within the prescribed ten-day period and subject to the prescribed fee and procedure.

Section 3 - Application Data Sheet

ITA	Particular	Requirement
ITA 1	Procuring Agency	Private Power and Infrastructure Board (PPIB), Ministry of Energy (Power Division), through the Project Management Unit.
ITA 1	Assignment	Third Party Validation services for solar works of the 100 MWp Distributed Photovoltaic Solar Power Plants in Gilgit-Baltistan.
ITA 1	EOI reference and issue date	P171330 October 27, 2026
ITA 1	Funding	Government of Pakistan through PSDP.
ITA 1	Competition and selection	Open international EOI for shortlisting, followed by QCBS RFP to shortlisted applicants. Separate Technical and Financial Proposals will be required at the RFP stage only.
ITA 1	Scope and location	Solar works in Gilgit-Baltistan, including rooftop and utility-scale PV, BESS and plant-level C&C/SCADA, as detailed in Section 4.
ITA 1	Assignment period	The duration of the assignment shall be from the date of commencement until 31 December 2028. Services for each lot/site shall end at its applicable COD; the overall engagement shall end at the last solar COD, with all final reports and digital handover completed by that date. Where COD is delayed, an extension of up to six (6) months may be approved by the competent authority under the applicable contractual provisions to be specified in the RFP, solely to complete services through the revised COD. No extension shall introduce post-COD O&M or operational-phase services.
ITA 2–3	Applicants and JVs	Pakistani consulting firms meeting the eligibility requirements under Section 5 may apply individually or as a Joint Venture (JV). Foreign consulting firms shall participate through a JV with a PEC-registered Pakistani consulting firm in accordance with Section 5 and applicable PEC requirements. Each JV shall comprise not more than three (3) member firms and shall disclose each member's role and participation share.
ITA 4	Clarification channel	EPADS procurement entry: https://epads.gov.pk/opportunities/federal/procurements/171330 . Contact: Project Director (Solar Works), PMU, PPIB; haseeb.nawaz@ppib.gov.pk AND 051-9202092.
ITA 4	Pre-application meeting	No meeting is scheduled. Any meeting subsequently arranged shall be notified through EPADS to all applicants; participation will be optional.
ITA 5	Language and currency	English. No price is requested. Past assignment values may be stated in their original currency; financial qualification shall be assessed in PKR under Q6 and Form I, using the conversion method stated in Section 5.
ITA 5	Application contents	Forms A–I and evidence required by Section 5; submission checklist in Section 6. No application fee or bid security.

ITA	Particular	Requirement
ITA 7	Submission deadline	November 27, 2026, at 10:30 A.M., Pakistan Standard Time (UTC+5).
ITA 7	Opening	Same date as the submission deadline at 11:00 A.M., through EPADS.
ITA 7	Office and opening contact	Project Director (Solar Works), PMU, PPIB, Second Floor, OPF Building, Sector G-5/2, Islamabad. Email: haseeb.nawaz@ppib.gov.pk Telephone: +92 51 9202092 Electronic submission through EPADS remains mandatory.
ITA 8	Shortlisting basis	All mandatory requirements in Section 5: pass/fail. All qualifying applicants are shortlisted; no upper limit and no domestic preference points.
ITA 9	Assessment and validity	The Procuring Agency intends to complete assessment within 30 calendar days of opening. Any revised assessment timetable will be notified through EPADS. Shortlisting shall be valid for six months from publication of results on EPADS.
ITA 10	Grievance contact	Chairperson, Grievance Redressal Committee: Mr. Khalid Khan, Joint Secretary, Ministry of Energy (Power Division), Islamabad Second Floor, A-Block, Pak Secretariat, Islamabad. Email: khalidkan@gmail.com Telephone: +92 51 9203087

Section 4 - Scope of Procurement and Terms of Reference

The following scope defines the services for which firms are being shortlisted. The subsequent RFP will provide the final contractual TOR, staffing requirements, pricing instructions and conditions of contract. Applicants shall demonstrate capability to perform the full scope; no priced or detailed technical proposal is required with this EOI.

4.1 Project Background

The Government of Pakistan is implementing the 100 MWp Distributed Photovoltaic Solar Power Plants in Gilgit-Baltistan as a strategic initiative aimed at improving energy security, enhancing reliability of electricity supply, reducing dependence on imported fossil fuels, and maximizing the utilization of indigenous renewable energy resources within the region. The Project is being implemented through PPIB, Ministry of Energy (Power Division), with financial support under the Public Sector Development Programme (PSDP).

The Project comprises both distributed rooftop solar photovoltaic systems and utility-scale solar power generation facilities integrated with Battery Energy Storage Systems (BESS). The rooftop component consists of approximately 18.15 MWp of Solar PV systems installed on approximately 499 public sector buildings distributed throughout Gilgit-Baltistan together with approximately 11.1 MWh of Battery Energy Storage Systems. The utility-scale component comprises approximately 82 MWp of Solar PV generation integrated with approximately 55 MWh of Battery Energy Storage Systems located at strategically selected sites within the region.

The capacities and site counts above are planning quantities. Verification shall cover the solar lots and facilities included in the approved project and executed EPC packages, including subsequent authorized changes; the RFP will identify the current lot/site schedule.

The Project is expected to improve electricity availability, support optimal utilization of hydropower resources, reduce dependence upon diesel-based generation, improve grid stability and facilitate increased penetration of renewable energy within the regional power system.

Pursuant to the mandatory requirement for independent verification of publicly funded projects, Office of the PMU intends to engage an Independent Technical Verification & Validation Consultant to undertake comprehensive technical verification and validation of the Solar PV and Battery Energy Storage System facilities installed under the Project.

The Consultants shall provide an independent and objective assessment of compliance, quality, safety, performance and operational readiness of the Project facilities and shall furnish recommendations regarding acceptance of the facilities by the Client.

4.2 Objectives Of The Assignment

The primary objective of the assignment is to independently verify and validate that the Solar Photovoltaic and Battery Energy Storage System facilities installed under the Project have been procured, designed, supplied, installed, tested and commissioned in accordance with the RFP Documents / EPC Contracts, approved detailed designs, approved technical specifications and approved material submittals as required from the EPC Contractors.

The assignment is intended to establish an independent assurance mechanism for verification of quality and performance of the Project facilities and to provide confidence to the Government of Pakistan and the Power Division that public funds have been utilized efficiently and in accordance with Contracted technical requirements of the Project.

4.3 Role Of The Third Party Validation (TPV) Consultants

The Consultants shall act solely as an Independent Third Party Validation (TPV) Consultants and shall function independently of the EPC Contractors, equipment suppliers, manufacturers, Design & Construction Supervision Consultant and other parties involved in implementation of the Project.

- Independently review the complete procurement process and RFP/bidding documents for both solar components, including procurement already undertaken and any cancellation, re-bidding

or re-tendering. Review specifications, eligibility and qualification requirements, evaluation criteria, clarifications/addenda, bid evaluation reports, approvals, award recommendations and EPC contract provisions. Apply the procurement rules governing each procurement at its initiation, including the transition provisions of Rule 68 where relevant.

- Independently verify achievement of contractual milestones and the supporting basis for related payments through Commercial Operation Date (COD). Issue independent verification findings and recommendations to the Client, including on the following:
- Review designs, drawings, specifications and technical submissions received through the Project Consultant (NESPAK), and provide independent observations/recommendations within three working days of receipt of a complete submission, before the relevant Client approval. Notify missing information promptly and record any review limitation.
- The delivered materials against the approved designs.
- The installed facilities and completed works against the final approved designs, drawings, specifications, and other Project documents.
- Independently review the technical and contractual basis of Contractor claims, variations, additional costs and extensions of time before Client approval or payment. Identify unsupported amounts, duplication, deviations and associated risks; contractual determinations remain with the authorized Engineer/Client.
- Provide objective and independent verification based on site inspections, inspection records, test results, measurements, photographs, and other relevant supporting documents.
- The TPV Consultant shall not undertake detailed design, routine construction supervision, approval of shop drawings/materials, EPC contract administration or certification of EPC payments. These responsibilities remain with the designated Engineer/Project Consultant and Client. TPV verification certificates are independent assurance records and do not replace contractual payment, taking-over or acceptance certificates or relieve the EPC Contractor of its obligations.

For payments already made, reconcile payment certificates, invoices, delivery records, quantities, test records, photographs and site evidence with the contractual milestone requirements. Maintain a retrospective payment-verification register identifying verified, partly supported, unsupported, duplicate or potentially excessive payments and recommended follow-up. Submit the historical payment review and opening reconciliation within thirty calendar days of commencement and update it as further records are received. Do not treat absence of historical evidence as proof of satisfactory performance; report limitations and additional checks needed.

4.4 General Scope Of Services

The Consultant shall perform the independent verification services described in this Part, with coverage of all solar lots, associated BESS and plant-level C&C/SCADA. The assignment excludes non-solar works and project-wide control-centre/EMS works except the interfaces necessary to verify operation and integration of the solar facilities.

For each solar lot/site, TPV verification, testing, design-compliance assessment and performance checks shall cover procurement, construction, installation, commissioning and the tests required to establish COD, up to and including the applicable COD under the EPC Contract. Services for that lot/site cease at its COD; the overall assignment ends at the last solar COD. The Consultant shall have no role in post-COD operations, routine performance monitoring, O&M supervision, and defects-liability inspections. References in this scope to operation, operational data, performance, warranties or guarantees relate to commissioning/COD verification and documentary review within this boundary. They do not require post-COD monitoring or verification of long-term guarantees. Any EPC test or guarantee falling after COD shall be identified and handed over to the Client/NESPAK without altering the EPC obligations or extending the TPV role.

The Consultants shall deploy suitably qualified personnel and resources necessary for implementation of the assignment and shall maintain adequate field presence throughout Gilgit-Baltistan.

The Consultants shall establish and maintain a structured verification process capable of providing a complete audit trail of all inspections, observations, findings, non-conformities and corrective actions.

The duration and completion planning baseline are given in the Application Data Sheet. The detailed deployment and review programme shall be aligned with the procurement and construction schedules.

4.5 Review Of Project Documentation

The TPV Consultants shall undertake a comprehensive review of all Project documentations relevant to the assignment.

Documentation shall include RFPs/bidding documents for both solar components; addenda and clarifications; bid evaluation reports, procurement approvals and awards; EPC contracts and amendments; approved detailed designs, shop drawings, material submittals and technical specifications; milestone/payment records and supporting measurements; variations and claims; inspection and test plans; FAT/SAT and commissioning procedures and reports; O&M manuals, warranties and as-built drawings. O&M manuals and warranty documents shall be reviewed as commissioning/COD handover requirements; this does not include O&M supervision or post-COD warranty monitoring.

The TPV Consultants shall establish a Project Compliance Matrix mapping the requirements of the EPC Contracts, technical specifications and approved designs against the installed facilities and shall identify the verification methodology applicable to each requirement.

Any discrepancies, omissions, inconsistencies or deficiencies identified during documentations review shall be brought to the attention of the Employer.

4.6 Verification Methodology

The TPV Consultants shall develop a comprehensive verification methodology covering all components of the Project.

The verification methodology shall be based upon document review and on-site installation verifications.

Verification activities shall be supported by geo-tagged photographs and inspection checklists.

The TPV Consultants shall establish objective acceptance criteria for each inspection activity and shall maintain documentary evidence supporting all verification findings.

The methodology shall provide complete traceability between project requirements, verification activities, inspection findings and final recommendations.

The TPV Consultants shall be required to propose a methodology, subject to the Employer's approval, to ensure that the objective of Project's independent and comprehensive review of the overall procurement process and independent verification of contractual milestones is achieved.

Acceptance criteria shall be traceable to the EPC contract, approved design and applicable mandatory standards. Industry benchmarks may inform observations but shall not create new Contractor obligations retrospectively. Rooftop physical verification coverage shall follow Section 4.7; utility-scale coverage shall follow Section 4.8. Inspection of delivered equipment and installed systems does not require destructive testing of every item; test sampling and witness points shall follow the approved inspection and test plans, with expanded checks where defects warrant them. For rooftop works, detailed inspections, measurements, functional checks and test witnessing under Sections 4.7, 4.9 and 4.10 shall follow the minimum 20% per-lot site coverage and expansion methodology in Section 4.7. Documentary review and basic physical verification remain required for every rooftop site.

4.7 18.15 MW Rooftop Solar PV Verification Requirements

General

- **Procurement Process Validation:** Independently review and validate the procurement processes for Rooftop Lots I, II, and III, including bidding/RFP documents, bid evaluations, completed procurement activities, contract awards, and design approval processes. The TPV Consultant shall submit a comprehensive validation report covering all three lots, with separate findings and recommendations for each lot, within thirty (30) calendar days of commencement of the assignment. The TPV Consultant may submit its findings for Lot III separately upon completion of the relevant review to facilitate an earlier award decision; consideration of the award shall remain subject to receipt of TPV validation findings.
- **Factory Acceptance Testing (FAT):** Witness FAT at approved hold points for major equipment across all rooftop lots, including solar modules, inverters, mounting structures, and BESS units. Review procedures, record deviations, and verify corrective closures before recommending dispatch to the Client/designated Engineer (retrospective review applies if testing predates TPV mobilization).

TPV professional time is included in the consultancy scope. Travel and lodging expenses shall be covered by the EPC Contractor only to the extent expressly provided in the applicable EPC contract, as verified by the Client. The RFP shall identify any uncovered costs and their pricing arrangements to prevent double-charging. No fixed number of FAT visits is assumed at the EOI stage.

- **Payment Milestone & Document Verification:** Independently verify contractual milestones and the supporting basis for related payments, including retrospective verification of payments already made. For all rooftop sites, review site-wise delivery, installation, inspection, testing, and commissioning records and supporting payment documentation (including records prepared or verified by NESPAK). Independently verify every contractual milestone and related payment claim; the detailed technical verification sample shall not limit documentary review or payment verification to sampled sites.
- **Basic Physical Verification (100% Coverage):** Undertake basic physical verification of the system installation at every rooftop site (approximately 499 sites in total) before the applicable COD. Confirm site identity, location, physical existence, installed PV and BESS capacities, and principal equipment against approved designs and records, as well as overall installation completeness. Identify visible workmanship deficiencies and obvious safety concerns, and prepare a site-specific checklist supported by geo-tagged photographs. Basic verification constitutes an independent installation check and does not represent detailed testing or full technical compliance certification.
- **Detailed Technical Verification (Minimum 20% Sample):** Undertake detailed technical verification at a minimum of twenty percent (20%) of distinct rooftop sites in each lot, rounded up to the next whole site. The TPV Consultant shall independently select sites under a Client-approved methodology combining representative random selection across locations, contractor's / installation teams, system capacities and PV/BESS configurations with targeted selection of higher-risk sites. Detailed verification shall include the applicable technical inspections, measurements, functional checks and test witnessing specified herein, taking account of NESPAK's inspection and test records while obtaining sufficient independent evidence. Verification shall commence during installation and be phased across implementation and payment stages, enabling recurring defects to be identified and corrective measures applied to ongoing and subsequent installations. It shall not be deferred solely to final commissioning, and all required checks shall be completed by the applicable COD. Repeat visits to the same site shall not count as additional sites towards the minimum coverage. The minimum sample shall be expanded where warranted in accordance with the Sample Expansion provision.

- **Sample Expansion:** Where basic site visits, detailed inspections or records reviews identify material discrepancies, safety concerns, recurring defects or insufficient or unreliable evidence, the Consultant shall expand detailed technical verification to additional sites in the affected lot or category, in consultation with the Client. Coverage may extend to 100% of affected sites where systemic deficiencies are identified. The Consultant shall document the reasons for expansion, findings and verification of corrective actions. Completion of the minimum sample shall not justify recommending payment or acceptance without sufficient supporting evidence. The RFP shall specify the scope, instruction procedure, and pricing and payment arrangements for additional detailed inspections beyond the minimum 20% coverage in each rooftop lot. All such inspections shall be completed by the applicable COD.
- **Digital Asset Register:** Establish a digital asset register containing comprehensive details for each rooftop installation, including site location, GPS coordinates, building identification, installed PV capacity, installed BESS capacity, equipment serial numbers, commissioning status, and COD readiness for modules, inverters, batteries, mounting structures, metering systems, and major balance-of-plant items. Maintain the register through the applicable COD and hand it over to the Client by the final solar COD.
- **Capacity & Audit Trail Verification:** Verify installed capacities against approved designs and contractual requirements through records review and basic physical checks at every rooftop site, supplemented by detailed technical verification. Reports and certificates shall separately identify documentary review, basic physical verification, and detailed technical verification; list sites covered under each; explain sample selection and expanded coverage; state evidence limitations; and outline outstanding corrective actions. Basic physical verification shall not be represented as detailed technical verification.

Solar PV Module Verification

- Verify conformity of installed PV modules with approved technical specifications and material submittals through review of manufacturer details, model numbers, nameplate ratings, serial-number registers, certifications, warranty documentation and evidence of country of origin. Cross-check installed equipment identification and serial numbers under the approved inspection methodology; expand checks where discrepancies are identified.
- Assess physical condition to identify visual damage, discoloration, delamination, or defects affecting performance or reliability. Undertake thermographic inspections of representative module strings to identify active thermal anomalies, hot spots, or string failures, documenting findings through geo-tagged photographic and thermal records.
- Verify module orientation, tilt angle, mounting arrangements, inter-row spacing and string sizing against approved design requirements and manufacturer recommendations.

Mounting Structure Verification

- Verify that mounting structures have been supplied and installed in accordance with approved structural designs and technical specifications.
- Assess structural members, roof foundations, anchoring/ballasting systems, fastening arrangements, corrosion protection, galvanization quality, wind load resilience, and structural integrity. Verify that fasteners are properly torqued and structural components are free from visible deformation, defects, or corrosion.

Inverter Verification

- Verify that all inverters conform to approved technical specifications, material submittals, ratings, certifications, firmware versions, serial numbers, and warranty documentation.

- Verify proper physical installation, mounting, ventilation arrangements, protection settings, communication interfaces, and operational status. Review commissioning records and verify satisfactory operation of protection functions, anti-islanding features, fault detection, and monitoring interfaces.

Battery Energy Storage System (BESS) Verification

- Verify that rooftop BESS installations conform to approved technical specifications and designs, including battery chemistry, capacity, serial numbers, certifications, and warranty documentation.
- Verify installation of battery modules, racks, enclosures, Battery Management Systems (BMS), power conversion equipment and protection devices. Assess BMS operation, state-of-charge (SOC) calculations, alarm/fault logging, communication interfaces, thermal management, HVAC, fire detection/suppression and emergency shutdown arrangements, as applicable to the installed configuration and required by the approved design, EPC contract and mandatory safety requirements. These checks shall not introduce new equipment or performance obligations retrospectively.

Electrical System Verification

- Verify all associated electrical infrastructure, including AC/DC cabling, sizing, routing, cable trays, conduits, support arrangements, terminations, labeling, junction boxes, switchgear, protection devices, and metering systems against approved drawings and electrical standards.

Earthing and Lightning Protection Verification

- Verify installation and effectiveness of earthing and lightning protection systems, including earth resistance measurements, bonding arrangements, earth pit inspections, continuity between equipment and earthing grids, air terminals, and down conductors against approved designs.

Monitoring System Verification

- Verify functionality of rooftop monitoring systems, including data acquisition units, communication interfaces, monitoring software, alarm triggers, reporting functions, and data logging to ensure operational data is accurately recorded and transmitted.

4.8 Utility-Scale Solar PV Verification Requirements

General

- Undertake comprehensive verification of all utility-scale Solar PV facilities (82 MWp across 4 sites/lots) to ensure 100% compliance of delivered materials and installed systems with approved designs, material submittals, technical specifications, and contractual requirements up to COD. Verification of HV equipment, switchyards, overhead lines and associated civil/electrical works under this section is limited to the solar EPC packages and the interfaces necessary to verify solar integration. Non-solar packages and project-wide control-centre/EMS works remain excluded in accordance with Section 4.4.

Mandatory Technical & Procurement Reviews

- Undertake independent technical and transparency review of Request for Proposal (RFP) for the utility-scale 82 MW component (04 Lots/sites) prior to floating by the Employer.

Specialized Asset Verification & FAT Witnessing

- **132 kV Switchyard & Interconnection:** Conduct mandatory verification of the 132 kV switchyard and associated High-Voltage (HV) equipment, particularly at the 58 MW Solar Park at Bunji (Astore).
- **100% Material & System Conformance:** Verify that 100% of materials delivered and systems installed at each utility-scale site conform to approved designs, submittals, and specifications.
- **Factory Acceptance Testing (FAT):** Witness FAT for major equipment, including PV modules, power transformers, HV switchgear, containerized BESS units, inverters, mounting structures and critical plant-level C&C/SCADA functions, at approved hold/witness points. Review procedures and results, record deviations, and verify closure before recommending dispatch. Retrospective FAT records shall be reviewed where manufacturing or testing predates TPV mobilization.

TPV professional time is included in the consultancy scope. Travel and lodging expenses shall be covered by the EPC Contractor only to the extent expressly provided in the applicable EPC contract, as verified by the Client. The RFP shall identify any uncovered costs and their pricing arrangements to prevent double-charging. No fixed number of FAT visits is assumed at the EOI stage.

- **Grid-Code Compliance Testing:** Witness grid-code compliance tests at the interconnection point, including synchronization, Low-Voltage Ride-Through (LVRT), High-Voltage Ride-Through (HVRT), and active/reactive power control tests.
- **Civil Works Verification (100% Coverage):** Verify 100% of civil works, including site grading, drainage networks, pile driving/foundations, control buildings, equipment pads, and security fencing.
- **Drone Surveys:** Conduct mandatory monthly aerial drone surveys during construction and a comprehensive drone survey at commissioning for each site, subject to flight permissions and security restrictions. Where aerial access is restricted, promptly propose an equivalent documented verification method for Client approval.
- **Performance Run Verification:** Verify the ten (10) day continuous Performance Run where provided in the applicable EPC acceptance requirements, after commissioning and before or as part of establishing COD for each utility-scale lot/site. Where the EPC contract specifies a different duration or acceptance condition, verify against that contractual requirement and identify the difference for Client direction before testing. Any test contractually falling after COD shall be identified for Client/NESPAK follow-up without extending the TPV engagement.
- **Plant-Level C&C/SCADA & EMS:** Independently verify plant-level C&C/SCADA, data acquisition, real-time control, alarm management, communication interfaces, and integration of PV and BESS facilities with the solar plant interfaces to the Grid Control Centre/EMS.

Civil Works Verification

- Verify quality, workmanship, dimensional accuracy, structural integrity, and design compliance of site grading, drainage, foundations, retaining structures, fencing, control buildings, and equipment pads, identifying deficiencies for corrective action.

Solar PV Array Verification

- Verify array layouts, string configurations, mounting structures (fixed-tilt/trackers), torque settings, cable management, and identification systems. Conduct detailed string

inspections and thermographic surveys to detect thermal anomalies, bypass diode failures, or string imbalances.

Inverter Stations & Power Conversion Equipment

- Verify central/string inverters, step-up transformers, switchgear, electrical clearances, ventilation arrangements, protection settings, and operational status. Review pre-commissioning test records and validate satisfactory execution.

Utility-Scale Battery Energy Storage System (BESS)

- Verify containerized BESS units, battery modules/racks, BMS, Power Conversion Systems (PCS), Energy Management Systems (EMS), HVAC systems, fire detection/suppression, sub-zero heating provisions, explosion protection, and emergency shutdown arrangements as applicable to the approved configuration and required by the EPC technical specifications and applicable mandatory standards.
- Review manufacturer certifications, warranty documentation, cycle-life/capacity/degradation guarantees, and safety certifications. Verify BESS performance during commissioning/COD tests (capacity, round-trip efficiency, response times, SOC accuracy, and availability). Long-term operational guarantees shall be reviewed as contractual documentation; post-COD monitoring is excluded.

Electrical Infrastructure & Earthing

- Inspect DC collector lines, AC medium/high voltage cabling, overhead lines, terminations, switchyard busbars, relays, surge arresters, earthing grids, and lightning protection systems, including measured earth grid resistance values.

Plant Monitoring & Performance Validation

- Verify functionality of plant-level monitoring systems, including data acquisition, communications, event logging, dashboards, Performance Ratio (PR) calculation, system availability, BESS RTE, and data integrity up to COD.

4.9 Performance Verification Requirements

General

- Independently assess Solar PV and BESS performance during commissioning and contractual tests required to establish COD. All verification and test witnessing shall conclude by the applicable COD; no operational-phase performance monitoring is included.
- Performance verification shall rely on commissioning/COD test data, monitoring system records, and field observations obtained up to COD. Energy generation, specific yield, performance ratio (PR), availability, and reliability shall be assessed strictly over the contractual commissioning/COD test period.
- Compare observed performance against contractual guarantees, approved designs, and expected operational parameters, distinguishing contractual non-compliance from advisory observations.

Solar PV Performance Verification

- Verify commissioning/COD performance of rooftop and utility-scale Solar PV facilities, assessing:
 - **Installed Capacity:** Verification that physical installed capacities correspond to approved designs.

- **Energy Generation & Specific Yield:** Assessment of actual energy generation and yield per installed kWp against expected baseline values.
- **Performance Ratio (PR):** Independent verification of PR and comparison against contractual guarantees.
- **System & Inverter Availability:** Verification of operational uptime, reliability, and inverter performance during test runs.

BESS Performance Verification

- Assess commissioning/COD performance of all BESS installations, including:
 - **Capacity & Efficiency:** Usable energy capacity and round-trip efficiency (RTE).
 - **Operational Metrics:** Operational availability, charging/discharging response times, and State-of-Charge (SOC) accuracy.
 - **State of Health (SOH):** Assessment of initial battery SOH at commissioning against EPC acceptance criteria based on available test records and manufacturer baseline data.

Monitoring & SCADA/EMS Performance Verification

- Verify accuracy, availability, alarm functions, reporting mechanisms, data historian integrity, and communication uptime of plant-level C&C/SCADA, solar EMS interfaces, and remote site RTUs during the commissioning test period ending at COD.
- Prepare a **Performance Compliance Assessment Report** comparing actual commissioning results against contractual guarantees, approved designs, and technical specifications, clearly detailing performance deficiencies and recommended corrective actions prior to COD sign-off.

4.10 Digital Inspection Platform, GIS Asset Register, Reporting Requirements And Deliverables

General

The Consultants shall establish and maintain a comprehensive digital inspection, verification and reporting system throughout the duration of the assignment. The objective of the system shall be to provide the Employer with a transparent, auditable and continuously updated record of verification activities, inspection findings, compliance status, non-conformities, corrective actions and overall project status.

The digital system shall serve as the primary repository of all technical verification records generated under the assignment and shall remain accessible to authorized representatives of the Client throughout the contract period. By the last solar COD, the Consultant shall hand over complete digital records, usable data exports, documentation and administrative access to the Client. Continued platform operation, hosting, maintenance and data updates after COD shall be the Client's responsibility and are outside the TPV services.

The Consultants shall ensure that all records generated under the assignment are maintained in a secure, searchable and structured manner and that appropriate backup and data protection mechanisms are implemented.

Digital Inspection Management System

Within thirty (30) days of commencement of Services, the Consultants shall establish a Digital Inspection Management System (DIMS) for management of all inspection and verification activities. The GIS register structure and initial data shall be operational at the same time, with initial population of available records completed within sixty days and verified updates maintained thereafter.

The system shall enable:

Planning and scheduling of inspections; Digital inspection forms; Geo-tagged photographic records; NCR generation and tracking; Corrective Action tracking; Asset verification tracking; Progress monitoring; Dashboard reporting; Report generation.

The system shall permit generation of inspection records directly from the field using tablets, smartphones or other digital devices.

All inspection records shall be electronically timestamped and geo-referenced.

The TPV Consultants shall ensure that the system provides complete traceability between inspection findings, non-conformities, corrective actions and verification outcomes.

GIS-Based Asset Register

The TPV Consultants shall establish and maintain a GIS-based Asset Register covering all Project facilities. The Asset Register shall include all rooftop installations, utility-scale facilities, Battery Energy Storage Systems and associated infrastructure.

The Asset Register shall contain, at a minimum:

Site Information

Site Name; Region; District; GPS Coordinates; Site Code; Contractor Name.

Solar PV Information

Installed Capacity; Number of Modules; Module Manufacturer; Module Model Number; Module Serial Numbers; Module Warranty Information.

Inverter Information

Manufacturer; Model Number; Ratings; Serial Numbers; Warranty Information.

BESS Information

Manufacturer; Battery Chemistry; Capacity; Serial Numbers; Warranty Information; Date of Commissioning.

Electrical Infrastructure

Transformer Details; Switchgear Details; Protection System Details; Metering Information.

Verification Status

Inspection Status; NCR Status; Compliance Status; Certification Status. For rooftop sites, separately record documentary-review status, basic physical-verification status and detailed technical-verification status, including inspection dates, evidence sources and outstanding verification limitations.

- The GIS platform shall permit visualization of all project facilities on a map-based interface.

Digital Photographic Records

The TPV Consultants shall maintain a comprehensive photographic record of all verification activities. All photographs shall be:

Geo-tagged; Date stamped; Time stamped; Linked to inspection records.

The TPV Consultants shall establish a structured digital archive of photographs categorized by: Site; Equipment Type; Inspection Date; Inspection Category.

The archive shall be provided to the Client upon completion of the assignment.

Drone Survey Records. For utility-scale facilities, the TPV Consultants shall undertake periodic drone-based surveys.

Drone surveys shall be utilized for:

Verification of construction progress; Verification of installation layouts; Identification of visible defects; Verification of site conditions. Drone survey outputs shall include; Orthomosaic Images; High Resolution Photographs; Inspection Reports; Geo-referenced Imagery.

All survey records shall be submitted to the Client.

Thermographic Survey Records. The TPV Consultants shall undertake thermographic inspections of relevant equipment during commissioning inspections.

Thermographic surveys shall include:

Solar PV Systems

PV Modules; Combiner Boxes; DC Connections.

Electrical Systems

Switchgear; Transformers; Terminations; Distribution Boards.

Battery Systems

Battery Modules; Battery Connections; Power Conversion Systems.

The TPV Consultants shall document all anomalies identified through thermographic inspections and shall monitor implementation of corrective actions.

Project Compliance Matrix

The TPV Consultant shall develop and maintain a Project Compliance Matrix. The Compliance Matrix shall provide a comprehensive mapping of:

EPC Requirements; Approved Designs; Approved Material Submittals; Technical Specifications.

- Applicable Standards; against actual installed facilities. The Compliance Matrix shall identify: Compliance Status; Verification Method; Inspection Reference; Supporting Evidence; Outstanding Actions.

The Compliance Matrix shall be updated throughout the assignment.

Non-Conformance Classification System

The Consultants shall manage all deficiencies identified during verification activities through a structured, four-tier Non-Conformance Classification System comprising Critical, Major and Minor Non-Conformance Reports (NCRs) and Observations. Each Non-Conformance Report issued under the Assignment shall be classified strictly in accordance with this Section.

Critical NCR. A deficiency that poses an immediate risk to life, safety or property, or that renders the affected equipment or facility incapable of safe or reliable operation, including but not limited to fire safety system failures, structural failures, electrical safety hazards and BESS thermal safety deficiencies. Immediate safety risks shall be notified at once to the Employer, NESPAK and the relevant Contractor, followed by a written Critical NCR within forty-eight (48) hours. The affected facility, equipment or component shall not be recommended for commissioning, acceptance or release of any affected milestone payment due through COD until the Critical NCR has been satisfactorily closed and independently verified by the TPV Consultants.

Major NCR. A deficiency that does not present an immediate safety risk but materially affects compliance with approved designs, technical specifications, contractual requirements or performance guarantees. Major NCRs shall be issued within five (5) working days of identification and shall be closed prior to issuance of the relevant Verification Certificate or Commissioning Compliance Report.

Minor NCR. A localized or workmanship-related deficiency that does not materially affect safety, compliance or performance. Minor NCRs shall be recorded in the Digital Inspection Management

System and tracked to closure, ordinarily within thirty (30) days, or within such period as may be agreed with the Contractor and accepted by the Employer. Any minor items remaining open at COD shall be documented and handed over to the Client/NESPAK for follow-up under the EPC Contract, without extending TPV services or waiving the Contractor's obligations. This provision does not permit recommendation of COD where contractual acceptance conditions remain unmet.

Observation. A noted item that does not constitute a non-conformance but reflects a potential improvement opportunity, an emerging risk or a good practice worth recording. Observations shall be logged for information and shall not require formal corrective action tracking unless subsequently reclassified as an NCR.

Escalation of Recurring Deficiencies. Where seven (07) or more Minor NCRs of a similar nature are identified across multiple sites or recur at the same site following purported closure, the Consultant shall escalate and reclassify the deficiency as a systemic Major NCR and shall notify the Employer accordingly.

The TPV Consultants shall maintain a consolidated NCR Register within the Digital Inspection Management System, recording the classification, status and closure history of every NCR, and shall report the status of all open and closed NCRs in each Monthly Verification Report.

4.11 Reports and deliverables

All reports shall be submitted to Client in editable electronic and searchable PDF formats, supported by inspection records, calculations, measurements, test records and photographs. Findings shall identify the contractual requirement, evidence, conclusion, limitation and recommended action; critical matters shall be escalated immediately without waiting for a periodic report.

Deliverable	Timing	Minimum content
Rooftop procurement review	Comprehensive review of Lots I–III within 30 calendar days of commencement. Where Lot III award remains pending, submit its findings separately as soon as the relevant review is complete and before award consideration, within the same 30-day period.	Review bidding/RFP documents and procurement history for all three lots, including completed procurement, evaluation, awards and any re-tendering. Provide separate findings, material irregularities and recommended actions for each lot.
Inception and verification methodology	Within 15 calendar days of commencement.	Work plan, staffing, risk assessment, acceptance criteria and reporting arrangements. Provide for basic physical verification at every rooftop site; detailed technical verification at a minimum of 20% of distinct sites in each lot, rounded up; and expanded checks where discrepancies, safety concerns or insufficient evidence warrant them. Define independent site selection, module/string sampling, test methods, specialist involvement and the COD completion schedule. Retain full coverage of all four utility-scale sites.

Deliverable	Timing	Minimum content
Rooftop design approval review	Within 30 calendar days of commencement. Subsequent design submissions shall follow the technical-submittal review arrangements below.	Review approved designs, specifications, material submissions and the design approval process for all rooftop lots; identify deficiencies and required corrective actions against EPC requirements.
Utility-scale RFP and procurement review	RFP review within 30 calendar days of commencement and before issuance; subsequent procurement reviews before relevant decisions, normally within 7 working days of a complete dossier.	Review technical adequacy and procurement requirements of the 82 MW utility-scale RFP for four lots/sites; propose necessary amendments and record Client/NESPAK responses and closure. Review evaluation and award. Review earlier stages retrospectively where necessary and state evidence limitations.
Historical payment verification	Initial register with the inception report; historical review and opening reconciliation within 30 calendar days of commencement; update as further records are received, up to the applicable COD.	Reconcile all payments already made against contractual milestones and supporting evidence; identify unsupported, duplicate or excessive payments and recommended follow-up. Cover all sites irrespective of the detailed inspection sample.
DIMS and GIS asset register	Platform and register structure within 30 calendar days; initial available-data population within 60 calendar days. Update each lot/site through its COD and complete handover by the last solar COD.	Site-wise asset records, geo-tagged evidence, inspection workflow, NCR register, dashboards, backups and Client access. Separately record documentary review, basic physical verification and detailed technical verification, with dates, evidence and limitations. Include equipment identity, capacity, serial-number records and commissioning status. Hand over usable data exports, documentation and administrative access; no post-COD platform operation or maintenance by TPV is required.
Technical submittal reviews	Within 3 working days of receipt of complete submissions through NESPAK, before the relevant Client approval and within the applicable COD boundary.	Independent observations on compliance with EPC requirements and approved designs; promptly identify missing information and review limitations. TPV observations do not replace NESPAK/Client design or material approvals.

Deliverable	Timing	Minimum content
Milestone and payment verification	For every claim through the applicable COD, within 7 working days of a complete dossier; completeness notice within 2 working days; urgent fully documented cases targeted within 3 working days. Plan final submissions and reviews to finish by COD.	Independently verify milestone achievement, quantities, quality and payment basis, including claims, variations and extensions of time. Review records for all sites and every payment claim; use physical verification evidence under the approved methodology and expand checks where necessary. Sampling shall not justify an unsupported recommendation. TPV findings do not replace EPC payment certificates.
Monthly verification reports	Within 10 calendar days after each month end during the assignment, subject to the COD boundary. Include the final reporting period for each lot/site in its COD findings and consolidate these in the final report by the last solar COD.	Activities, progress, procurement/payment findings, NCR status, risks and actions. Separately report basic physical coverage against all rooftop sites and detailed technical coverage against the minimum 20% in each lot. Identify distinct sites, expanded inspections, test methods and limitations; repeat visits do not increase the distinct-site count. Report coverage and findings for all four utility-scale sites.
Quarterly technical audits	Quarterly during implementation, with the corresponding monthly report and within the applicable COD boundary. Include any final partial-period findings in the COD report.	Independent assessment of design compliance, installation quality, safety, progress and commissioning/COD test performance; identify systemic deficiencies and required Client action. No post-COD operational audit is included.
NCRs and corrective-action reports	In accordance with Section 4.10; notify safety risks immediately. Complete TPV verification of corrective actions within the applicable COD boundary.	Record deficiency, site/equipment, contractual requirement, classification, responsible party, target date, evidence and closure status. Escalate recurring or systemic defects and recommend expanded detailed inspections. Hand over any minor items remaining at COD to the Client/NESPAK without extending TPV services or waiving EPC acceptance requirements.

Deliverable	Timing	Minimum content
FAT, SAT, commissioning and performance records	Within 5 working days of witnessing the event or receiving complete test evidence, before the associated verification recommendation and no later than the applicable COD. Report urgent failures immediately.	Record review/witnessing, test conditions, instrument calibration, results and deficiencies for applicable EPC tests, including PV performance, BESS capacity/RTE and plant-level C&C/SCADA interfaces. Distinguish visual module checks from infrared thermography and targeted EL testing. Review available factory EL records; additional EL testing shall be undertaken where contractually required or justified by findings and duly instructed. Record module/string selection and test limitations; no blanket EL testing of every module is implied. FAT attendance and additional-test responsibilities/costs shall follow the applicable contracts and RFP arrangements.
TPV verification certificates	On completion of relevant verification and closure of critical and major deficiencies, before the relevant recommendation and no later than the applicable COD.	Separate procurement, rooftop, utility-scale and BESS verification records, identifying the requirement, evidence, findings and limitations. Distinguish documentary review, basic physical checks and detailed technical verification. Basic visual checks shall not be represented as proof of absence of hidden defects. These records do not replace EPC contractual certificates.
Final validation and COD recommendation	Submit draft findings sufficiently before the applicable COD to allow Client review. Complete each lot/site's final findings by its COD and submit the consolidated final report and complete digital handover by the last solar COD. No post-COD closeout period is included.	Consolidate compliance with approved designs and EPC requirements, installation and commissioning/COD test findings, safety and milestone/payment verification. State whether COD/commissioning/taking-over is recommended, with supporting evidence and limitations. Include rooftop coverage by lot, utility-scale findings, outstanding matters and Client/NESPAK follow-up, and complete digital/GIS handover. Identify long-term warranties or tests falling after COD for Client follow-up; these do not extend TPV engagement.

The Client may request clarification, revision or supporting evidence. The Client shall review reports within 14 calendar days of receipt, and the Consultant shall address comments within 5 working days. Unless otherwise stated, days are calendar days; working days are the Client's official working days in Islamabad, excluding notified public holidays. Delays in access or complete records shall be notified promptly with the effect and proposed mitigation; any extension shall follow the contract and shall not authorize unsupported certification. Client review does not relieve the Consultant of responsibility for independent, accurate and complete findings. Submissions and Client reviews shall be scheduled in advance of the applicable COD to allow completion of required revisions and final handover by COD. Reporting and review periods do not create a post-COD service or closeout period; unresolved matters shall be recorded in the final handover.

4.12 Personnel and field resources

The Consultant shall provide the following ten disciplines: Team Leader/Renewable Energy Expert; Solar PV Expert; BESS Expert; Senior Electrical Engineer; Senior Civil Engineer; QA/QC Expert; HSE Expert; Monitoring and Data Systems Expert; Procurement Expert; and Quantity Surveyor. The team shall collectively cover procurement/RFP review, contractual milestones and payments, solar/BESS technical verification, associated civil/electrical works, safety, testing and commissioning, and plant-level C&C/SCADA. Qualified field inspectors shall undertake basic verification at every rooftop site under the oversight of the relevant specialists. Specialists and field inspectors shall undertake detailed verification and any expanded inspections under Section 4.7 and maintain full coverage of the four utility-scale sites under Section 4.8. Where practicable, combine basic and detailed verification visits at sampled rooftop sites. All deployment shall be planned within the assignment's COD boundary.

The Consultant shall provide adequate field presence, calibrated inspection/test equipment, transport, communications, digital tools and access to specialist testing capabilities appropriate to the work. Detailed expert qualifications, inputs and availability commitments will be set out and assessed at the RFP stage; EOI evidence is limited to the corporate capability requirements in Section 5.



Section 5 Eligibility and Shortlisting Criteria

All requirements below are mandatory and assessed on a pass/fail basis at the application deadline. Each requirement states whose qualifications count and the supporting evidence required. No points, ranking, undisclosed thresholds or unstated expert scoring shall be applied. All applicants meeting every applicable requirement shall be shortlisted.

E1 Legal standing and eligibility

Applies to: Single firm and every JV member.

Legally constituted with capacity to enter into a procurement contract and eligible under Rule 21(b) of the Public Procurement Rules, 2026, including the applicable solvency, conviction, debarment and prohibited-practice provisions.

Evidence: Form B; incorporation/registration evidence; signed Form H. Relevant disclosure and official evidence where applicable.

E2 PEC registration

Applies to: Every Pakistani firm/JV member; foreign members as applicable.

Pakistani consulting firms shall hold valid PEC consulting-engineer registration. Foreign firms shall comply with the Pakistan Engineering Council (Conduct and Practice of Consulting Engineers) Bye-laws, 1986, as amended, including a JV with a PEC-registered Pakistani consulting engineer and the required foreign-firm registrations. Foreign firms shall participate through that JV and identify all members at EOI stage; project-specific PEC registration shall be obtained before submission of the subsequent RFP proposal.

Evidence: Current PEC licence for each Pakistani member. Foreign entity home-country registration, disclosure of PEC pre-registration status and signed Pakistani JV arrangements; undertaking to obtain the required PEC Form 4B and project-specific Form 4C before RFP proposal submission. Provide any registration already required by PEC at EOI stage; an undertaking cannot replace it.

E3 Tax compliance

Applies to: Every Pakistani firm/JV member; foreign firms to the extent legally applicable.

Valid FBR/NTN registration, active taxpayer status and applicable service-tax registrations for Pakistani firms. Foreign firms shall provide home-country tax registration/status and comply with Pakistani tax requirements applicable to their status and activities, where applicable.

Evidence: Form B; registration certificates and current ATL evidence. For a claimed non-applicability, state the legal basis and provide supporting evidence.

E4 Authority and JV arrangement

Applies to: Single firm or all JV members, as applicable.

The application shall be duly signed by an authorized representative. A JV shall comprise not more than three (3) member firms. Its composition, lead member, participation shares and respective roles shall be documented and authorized by every member. Foreign firms shall participate in accordance with E2.

Evidence: Signed Form A; signatory authorization; Form C; and an executed JV agreement or letter of intent signed by all members.

E5 Independence and integrity

Applies to: Single firm, every JV member, and declared associates/personnel as relevant.

No disqualifying conflict of interest for independent TPV. No current blacklisting/debarment that prevents participation, including cross-debarment under applicable PPRA provisions. No corrupt, fraudulent or collusive practice.

Evidence: Separate Forms G and H for each member; disclose relevant affiliations, project engagements and any sanctions with their dates/status.

Q1 General experience

Applies to: Single firm or JV lead member alone.

At least ten years of general engineering/technical consulting experience as at the deadline. Incorporation alone does not establish consulting experience.

Evidence: Form D with dated assignment evidence spanning the required period, contracts/completion certificates or client confirmations; Form B incorporation details.

Q2 Solar PV experience

Applies to: Single firm or JV members collectively.

Consulting experience on Solar PV projects with cumulative capacity of at least 250 MWp commissioned within the ten years preceding the deadline.

Evidence: Form E project schedule and project sheets; capacity, commissioning date, actual consulting role and documentary evidence for each claimed project.

Q3 BESS experience

Applies to: Single firm or JV members collectively.

Consulting experience on BESS projects with cumulative energy capacity of at least 25 MWh commissioned within the ten years preceding the deadline.

Evidence: Form E project schedule and project sheets; energy capacity, commissioning date, actual consulting role and documentary evidence.

Q4 Similar completed assignments

Applies to: Single firm or JV members collectively.

At least three successfully completed similar assignments within the ten years preceding the deadline involving Solar PV, BESS or comparable electrical infrastructure, comprising Independent Engineer, Owner's Engineer, Lender's Engineer, Technical Due Diligence, Technical Verification, TPV or Construction Monitoring services.

Evidence: Form E, identifying the three or more assignments relied upon; client completion/acceptance evidence, contract summary and contactable client references.

Q5 Multidisciplinary capability

Applies to: Single firm or JV collectively.

Demonstrate access to the ten disciplines listed in Section 4.12, through employees or an identified panel of associates, with qualifications and relevant experience stated. Detailed RFP expert scoring and exclusive deployment commitments are not applied at EOI stage.

Evidence: Form F capability matrix covering all ten roles, brief profiles and evidence of employment or written consent to inclusion in the panel. Applicant's signed resource undertaking in Form A.

Q6 Financial capacity

Applies to: Single firm or JV members collectively.

Average annual turnover of at least PKR 100 million or equivalent during the last three financial years, and positive net worth in each of those years. For a JV, combine member figures for each relevant year, eliminate double counting, and then calculate the three-year average annual turnover; the combined net worth must be positive in each year. No separate minimum financial share is imposed on a member.

Evidence: Form I; audited financial statements by UDIN where applicable in Pakistan, or equivalent verifiable audit evidence for foreign firms for each of the last three financial years for the single firm and every JV member, with reconciliation of the combined figures and currency conversions.

Q7 Solar electrical equipment and control interfaces

Applies to: Single firm or JV members collectively.

Demonstrated engineering review, supervision or independent verification experience covering MV/LV equipment, controls and RTU interfaces relevant to solar EPC works. Equipment supply alone is insufficient.

Evidence: Form E project sheets identifying the relevant equipment/interfaces, consulting role and supporting contract/client evidence. The same assignments may support Q2–Q4 and Q7 where each requirement is evidenced.

5.1 Rules for counting experience

The ten-year reference period is measured backwards from the EOI submission deadline. For Q2 and Q3, the project/component must have been commissioned within that period and the applicant must demonstrate the consulting services it actually performed. For Q4, the claimed consulting assignment must have been successfully completed within that period.

Experience shall belong to the applicant or a named JV member. Experience of an affiliate, parent company, proposed subconsultant or individual expert shall not be treated as the applicant's corporate experience unless the applicant establishes legal succession to the relevant business and contracts.

Where prior work was performed in a JV or consortium, identify the member's actual role and scope. Credit is limited to capacity covered by that member's demonstrated consulting services; a financial participation percentage alone does not establish or limit the technical scope. Pure equipment supply, EPC construction or investment ownership without the relevant consulting services does not count.

A project may support more than one criterion if it independently satisfies each. The same plant/component capacity shall be counted only once in the applicant's PV or BESS total, including where multiple current JV members worked on it. Distinct phases may be counted only where capacities and commissioning are separately evidenced. For Q2, qualifying PV capacity shall be the documented installed DC module capacity in MWp. AC capacity may be stated separately for information but shall not be added directly to the qualifying DC total or converted using an assumed ratio. Identify the documentary source for the claimed DC capacity. BESS capacity shall be in MWh, identifying nameplate or usable capacity.

A contract or purchase order alone is not evidence of commissioning or successful completion. Provide client-issued completion/acceptance or commissioning certificates, or equivalent verifiable client/official records, together with the contract scope. Where confidentiality prevents disclosure, provide redacted evidence preserving the facts needed for assessment and a client contact for verification.

For Q5, the pass/fail check is coverage of all ten disciplines by an identified panel with brief profiles stating relevant qualifications and assignment experience, and evidence of access to those persons. No undisclosed minimum years, degree classifications, exclusivity requirement or comparative CV scoring shall be introduced. The later RFP will specify and evaluate the assignment-specific expert standards and deployment requirements.

5.2 Financial assessment and currency conversion

For foreign-currency financial statements, convert each relevant financial year's figures into PKR at the State Bank of Pakistan published weighted average customer selling rate on that financial year-end date, or the immediately preceding published date. Where the currency is not quoted, disclose the official central-bank cross-rate and calculation. Apply the same documented method to all applicants. Attach the rate source and calculations in Form I.

Net worth means total assets less total liabilities as reported in the audited statements. Form I shall reconcile its figures to those statements. In a JV, identify and eliminate duplicate revenue, assets, liabilities and intra-JV balances or transactions in the combined figures; retain an audit trail. No additional financial threshold shall be applied.

Section 6 - Application Forms

Complete Forms A–I and attach the supporting documents required in Section 5. Use additional sheets where needed, retaining the headings and numbering. An authorized representative shall sign the application and relevant declarations. Do not submit RFP-stage methodology, staffing inputs, financial proposals or an executed Integrity Pact with this EOI.

Submission checklist

Item	Application requirement	Evidence page or attachment
A	Signed Letter of Application and signatory authority	
B	Firm Information for the single firm and each JV member; incorporation, PEC and tax evidence	
C	JV Information and signed JV agreement/letter of intent and member authorizations, if applicable	
D	General Experience of the single firm/JV lead member, with dated evidence	
E	Specific Experience with evidence for 250 MWp PV, 25 MWh BESS, three similar assignments, and MV/LV equipment, controls and RTU interfaces	
F	Multidisciplinary Capability matrix, brief profiles and access/consent evidence	
G	Conflict of Interest Declaration for each firm/JV member	
H	Eligibility, Debarment and Integrity Declaration for each firm/JV member	
I	Financial Capacity schedules, audited statements (UDIN where applicable in Pakistan, or equivalent evidence for foreign firms) for three financial years, JV reconciliation and exchange-rate evidence	
—	Acknowledgement of all issued addenda and evidence cross-references	

Detailed methodology, staffing/deployment schedules, implementation schedules, full proposal CVs and exclusive expert availability commitments are reserved for the subsequent RFP. Form F provides the capability information required for this EOI. The contract-stage Integrity Pact will be included in the RFP where applicable.

Form A - Letter of Application

Use the applicant's letterhead. For a JV, sign through the representative authorized by all members.

To: Project Director (Solar Works), PMU, PPIB

EOI reference: _____

Assignment: Third Party Validation services for solar works of the 100 MW Distributed Photovoltaic Solar Power Plants in Gilgit-Baltistan

We, the undersigned, apply for shortlisting for the above assignment as [a single consulting firm / a joint venture comprising the members identified in Form C]. Having examined the EOI document and its addenda, we confirm that:

- The information and evidence submitted are true, complete and accurate to the best of our knowledge, and we meet all applicable eligibility and qualification requirements at the submission deadline.
- We accept assessment solely on the published pass/fail criteria and authorize PPIB to verify our registrations, experience, client references and declarations.
- We are independent of the works and services to be validated. All actual or potential conflicts, relevant affiliations and project engagements are disclosed in Form G.
- We have, or have access to, the managerial, personnel, equipment, field and financial resources necessary to undertake the scope, subject to the final RFP and contract. Form F identifies our access to the required disciplines.
- We understand that this application is for shortlisting only, involves no financial offer and creates no right to contract award. If shortlisted, we intend to respond to the RFP and provide the required technical and financial proposals.
- We shall notify PPIB promptly of any material change affecting our eligibility, JV composition, independence or qualification. We accept that a material false declaration may result in disqualification and action under applicable law.

Applicant or JV name: _____

Lead member if applicable: _____

Addenda acknowledged by number and date:

Application contact and email: _____

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Attach signatory authority and, for a JV, authorizations from all members.

Form B - Firm Information

Complete separately for the single firm and every JV member. Attach incorporation/legal registration, applicable PEC registration and tax/ATL evidence.

Legal name of firm: _____

Trading name if different: _____

Country and date of incorporation: _____

Legal form and registration number: _____

Registered address: _____

Operational office and address: _____

Telephone and email: _____

Website: _____

Authorized contact and designation: _____

Role in this application: _____

PEC registration category number and expiry: _____

Foreign professional registration if applicable: _____

NTN and active taxpayer status: _____

Applicable service tax registration: _____

Home country tax registration for foreign firms: _____

Legal basis of any registration non applicability: _____

Names of parent entities and relevant affiliates: _____

Supporting documents attached and page references:

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form C - Joint Venture Information

Complete only for a JV. Attach the executed JV agreement or a letter of intent signed by all members, together with signatory and lead-member authorizations.

Proposed JV name: _____

Lead member: _____

Authorized _____ representative _____ and _____ contact: _____

Member legal name and country	Share percent	Role and services	Authority attachment

The members confirm their intention to participate together, the stated allocation of responsibilities, and their joint and several liability if awarded the consultancy contract. The proposed arrangement will comply with applicable PEC requirements. The members authorize the identified representative to submit this EOI and receive communications on their behalf.

The participation shares stated above total 100 percent. The executed agreement or signed letter of intent identifies all members and contains these commitments.

Member	Authorized designation	signatory and	Signature and date

Form D - General Consulting Experience

Complete for the single firm or JV lead member. Demonstrate at least ten years of consulting activity with dated assignments and supporting evidence, including earlier assignments where needed to establish the full period.

Name of firm: _____

Date _____ consulting _____ operations _____ commenced: _____

Dates from and to	Assignment and client	Country and consulting role	Evidence reference

Include client contact details and contract/completion/acceptance records or equivalent verifiable evidence for the assignments relied upon. Incorporation alone is insufficient.

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form E - Specific and Similar Assignment Experience

Complete the schedule and one project sheet for each assignment relied upon. Identify the member claiming the experience. Attach the evidence specified in Section 5.

Project and claiming member	PV MWp DC (qualifying); MW AC (information only)	BESS MWh and basis	Date service in	Consulting completion date	Criteria and evidence

Non-duplicated qualifying PV total: _____ MWp DC (documented installed module capacity).

Non-duplicated qualifying BESS total: _____ MWh (identify capacity basis).

Number of qualifying completed similar assignments of the single firm/JV collectively: _____.

Project sheet

Project and location: _____

Client and contact details: _____

Applicant or member that performed the services: _____

Consulting contract title number and dates: _____

Role _____ and _____ services _____ actually performed: _____

PV capacity: _____ MWp DC (qualifying capacity); _____ MW AC (for information only).

BESS capacity and nameplate or usable basis: _____

Project _____ or _____ component _____ commissioning _____ date: _____

Consulting _____ assignment _____ completion _____ date: _____

Prior JV share and actual technical scope if any: _____

Contract value and original currency for information: _____

Criteria claimed and capacity credited including Q7: _____

Supporting certificates and evidence page references: _____

Describe the relevant MV/LV equipment, controls and RTU interfaces for Q7, similarity to this assignment, and the basis for capacity claimed, including separate phases and avoidance of double counting: _____

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form F - Multidisciplinary Capability

Identify the firm's/JV's personnel or panel of associates covering each discipline. Attach a brief profile for each named person and evidence of employment or written consent to inclusion. This is capability evidence; detailed deployment, man-months and exclusive availability commitments are not required at EOI stage.

Discipline	Name and employer or association	Qualification and relevant experience reference	Access evidence
Team Leader / Renewable Energy Expert			
Solar PV Expert			
BESS Expert			
Senior Electrical Engineer			
Senior Civil Engineer			
QA/QC Expert			
HSE Expert			
Monitoring and Data Systems Expert			
Procurement Expert			
Quantity Surveyor			

Brief personnel profile

Name and discipline covered: _____

Employer and employment or associate status: _____

Relevant degree or professional qualification: _____

Professional registration where applicable: _____

Relevant assignment experience and role: _____

Reference to employment or panel consent evidence: _____

An associate's consent may state: "I consent to being identified in the applicant's panel for this EOI. My qualifications and experience stated in the attached profile are accurate. Any later deployment is subject to the RFP requirements and a confirmed availability commitment."

Professional's signature/date: _____ Applicant's signature: _____

Form G - Conflict of Interest Declaration

Complete and sign separately for every firm/JV member. Disclose relevant activities of affiliates, associates and proposed personnel.

Firm name: _____

EOI reference: _____

We confirm that we have disclosed below all actual or potential conflicts affecting independent TPV of this project, including:

- Prior or current involvement in preparing, designing, approving, supplying, constructing, supervising or administering the solar works or related procurement to be reviewed.
- Ownership, control, financial or business relationships with EPC contractors, manufacturers, suppliers, NESPAK or other parties whose work would be validated.
- Other consulting assignments, personnel relationships or interests that could impair impartiality or require us to verify our own work.

Disclosure: [State "None" or describe the entity/person, role, dates, relationship and affected works; attach supporting information.]

We undertake not to accept a conflicting engagement and to notify PPIB promptly of any subsequent conflict. We understand that disclosure does not cure a disqualifying conflict and that PPIB shall assess eligibility under Regulation 4 and the published independence requirements. We shall not validate work performed by ourselves or a party whose relationship creates a disqualifying conflict.

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form H - Eligibility Debarment and Integrity Declaration

Complete and sign separately for the single firm and each JV member. A signed declaration/undertaking is acceptable at EOI stage; equivalent duly executed affidavits may be submitted.

Firm name: _____

Country of registration: _____

EOI reference: _____

We declare that, at the application deadline:

- We have legal capacity to contract and satisfy the applicable eligibility conditions of Rule 21 of the Public Procurement Rules, 2026.
- We are not bankrupt, insolvent, being wound up or subject to suspension or proceedings that disqualify us under Rule 21. Relevant proceedings, convictions or restrictions, if any, are fully disclosed below with supporting documents.
- We are not subject to a current blacklisting, debarment or cross-debarment preventing participation, including applicable sanctions imposed by a Pakistani procuring agency/PPRA, international financial institution, international organization, foreign country or multilateral development bank under the applicable PPRA provisions.
- The firm and its owners, beneficial owners, directors and officers are not subject to disqualifying convictions or debarment under Rule 21. Any relevant sanctions or convictions and their current status are disclosed below.
- We have not engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in relation to this procurement. We have not offered or agreed any improper payment or inducement to obtain shortlisting or the contract.
- We shall provide beneficial ownership information and execute the prescribed Integrity Pact at the stage and in the form required by applicable regulations and the subsequent RFP. We shall promptly disclose any change in these declarations.

Disclosures and supporting evidence: [State "None" or give full particulars, dates, issuing authority, status and documentary references.]

We understand that false or misleading declarations may result in disqualification and further action under applicable law.

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form I - Financial Capacity

Complete for the single firm and separately for every JV member. Attach audited financial statements supported by UDIN where applicable in Pakistan, or equivalent verifiable audit evidence for foreign firms for each of the last three financial years. A JV shall also submit the combined schedule and reconciliation below. These are qualification records, not a financial proposal.

Firm name and JV role if applicable: _____

Financial statement currency: _____

Auditor name and report references: _____

Financial end	year	Annual turnover	Total assets	Total liabilities	Net worth

Amounts above are in the financial statement currency. Identify the audited statement page for every amount and explain any adjustment in an attached reconciliation.

Year end	PKR per currency unit and source	Turnover in PKR	Net worth in PKR

Three-year average annual turnover in PKR: _____. Attach exchange-rate source/date, conversion calculations and supporting statement references. For a single firm, net worth must be positive in each year and average annual turnover must be at least PKR 100 million. For a JV, these tests apply to the combined figures in the continuation schedule, not to each member separately.

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

Form I - Continued Joint Venture Financial Reconciliation

For a JV only. Attach a member-by-member schedule for each year showing turnover, assets, liabilities, net worth, currency conversion and all eliminations. Do not count the same revenue or asset twice.

Financial year	Combined turnover PKR after eliminations	Combined net worth PKR after eliminations	Reconciliation reference

Combined three-year average annual turnover in PKR: _____.

Explain differences in members' financial year-end dates and identify consistently the three relevant annual reporting periods. Reconcile the combined figures to every member's audited financial statements and to the member schedules in Form I.

We confirm that the calculations are derived from the attached audited statements, that the relevant currency conversion method has been applied consistently, and that duplicate amounts and intra-JV items have been eliminated in the combined figures.

JV name: _____

Authorized representative: _____

Attached audited statements and reconciliation references: _____

Authorized signature: _____ Date: _____

Name and designation: _____ Firm and seal: _____

CONSTRUCTION EXPERIENCE

Form EXP - 4.1 General Construction Experience

Bidder's Name: _____

Date: _____

JV Member's Name _____

Bid Reference No. (if any) and title: _____

Page _____ of _____ pages

Starting Year	Ending Year	Contract Identification	Role of Bidder
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	

Form EXP - 4.2(a)
Specific Construction and Contract Management Experience

Bidder's Name: _____

Date: _____

JV Member's Name _____

Bid Reference No. (if any) and title: _____

Page _____ of _____ pages

Similar Contract No.	Information			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount	PKR equivalent			
If member in a JV or sub-contractor, specify participation in total Contract amount				
EMPLOYER's Name:				
Address:				
Telephone/fax number				
E-mail:				

Form EXP - 4.2(a) (cont.)
Specific Construction and Contract Management Experience (cont.)

Similar Contract No.	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	
2. Physical size of required works items	
3. Complexity	
4. Methods/Technology	
5. Construction rate for key activities	
6. Other Characteristics	

Form EXP - 4.2(b)
Construction Experience in Key Activities

Bidder's Name: _____

Date: _____

Bidder's JV Member Name: _____

Sub-contractor's Name (if any): _____

Bid Reference No. (if any) and title: _____

Page _____ of _____ pages

All Sub-contractors for key activities must complete the information and Qualification Criteria and Requirements, Sub-Factor 4.2.

1. Key Activity No One: _____

Information				
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount	PKR equivalent			
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in the contract (i)	Percentage participation (ii)	Actual Quantity Performed (i) x (ii)	
Year 1				
Year 2				
Year 3				
Year 4				
EMPLOYER's Name:				
Address:				
Telephone/fax number				

	Information
E-mail:	

2. Activity No. Two

3.

	Information
Description of the key activities in accordance with Section III:	

Form EXP - 4.2 (c)
Specific Experience in Managing ES aspects

[The following table shall be filled in for contracts performed by the Bidder, and each member of a Joint Venture]

Bidder's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member Name: *[insert full name]*

Bid Reference No. (if any) and title: *[insert ICB/NCB number and title]*

Page *[insert page number]* of *[insert total number]* pages

1. Key Requirement no 1 in accordance with 4.2 (c): _____

Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Subcontractor ☐
Total Contract Amount			PKR	
Details of relevant experience				

2. Key Requirement no 2 in accordance with 4.2 (c): _____
3. Key Requirement no 3 in accordance with 4.2 (c): _____
4. [PA define key requirements] _____

Past Experience / Contracts

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

