

Government of Rajasthan
RAJASTHAN AGRICULTURAL COMPETITIVENESS PROJECT
II FLOOR, ACADEMIC BLOCK, SIAM CAMPUS, DURGAPURA, JAIPUR-302017
Tel.No.0141-2554215, 2554218; Fax: 0141-2554214; E-mail: pd@racpmis.com

**NATIONAL COMPETITIVE BIDDING FOR
SUPPLY AND COMMISSIONING OF SOLAR PHOTOVOLTAIC (SPV) WATER
PUMPING SYSTEM AT FARMER FIELDS IN RACP CLUSTERS**

BID REFERENCE	:	IFB No.: IN-PMU-RACP-142678-GO-RFB
DATE AND TIME OF PRE-BID MEETING	:	15.11.2019 AT 11.00 AM
PERIOD OF SALE OF BIDDING DOCUMENT	:	02.11.2019 to 03.12.2019
LAST DATE AND TIME FOR RECEIPT OF BIDS	:	04.12.2019 up to 2.00 PM
TIME AND DATE OF OPENING OF BIDS	:	04.12.2019 at 2.30 PM
PLACE OF OPENING OF BIDS	:	RAJASTHAN AGRICULTURAL COMPETITIVENESS PROJECT, II FLOOR, ACADEMIC BLOCK, SIAM CAMPUS, DURGAPURA, JAIPUR-302018
OFFICER INVITING BIDS	:	PROJECT DIRECTOR, RAJASTHAN AGRICULTURAL COMPETITIVENESS PROJECT, II FLOOR, ACADEMIC BLOCK, SIAM CAMPUS, DURGAPURA, JAIPUR-302018

SECTION I: INVITATION FOR BIDS (IFB)

Government of Rajasthan
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SUPPLY AND COMMISSIONING OF SOLAR PHOTOVOLTAIC (SPV) WATER
PUMPING SYSTEM AT FARMER FIELDS IN RACP CLUSTERS
INVITATION FOR BIDS (IFB)**

IFB No.: IN-PMU-RACP-142678-GO-RFB-2019-20/7784

Date: 31.10.2019

1. The Government of India [GOI] has received a credit [Credit No. 5085IN] from the World Bank toward the cost of Rajasthan Agricultural Competitiveness Project and it is intended that part of the proceeds will be applied to eligible payments under the contracts for which this Invitation for Bids is issued.
2. The Project Director, Rajasthan Agricultural Competitiveness Project Management and Implementation Society (RACPMIS) (Purchaser) invites sealed bids from eligible bidders for **Supply and Commissioning of Solar Photovoltaic (SPV) Water Pumping System at Farmer Fields in RACP Clusters**

Description	Estimated Quantity in Nos.	Bid Security (INR Lakh)
Supply and Commissioning of Solar Photovoltaic (SPV) Water Pumping System at Farmer Fields in RACP Clusters	450	20.58

3. Bidder will quote the rates for all the items mentioned in the price schedule. If any of the items in the price schedule is left without quoting the rate, then the bid would be considered as non-responsive.
4. Bidding will be conducted through the National Competitive Bidding (NCB) procedures agreed with World Bank. The bidding is open to all eligible bidders as defined in the Bank's Procurement Guidelines. In addition, please refer to paragraphs 1.6 and 1.7 of the Guidelines setting forth the World Bank's policy on conflict of interest.
5. Interested eligible bidders may obtain further information from the RACP office and inspect the Bidding Documents at the address given above from 10.00AM to 5.00 PM on any working day during the period of sale of bid documents.
6. A complete set of bidding documents may be purchased from the RACP office from 02/11/2019 to 03/12/2019 upon payment of a non-refundable fee of Rs. 3,000/- (Rupees Three Thousand) in the form of Demand Draft/Banker's Cheque payable at Jaipur in favor of Project Director, RACPMIS. Bidding documents requested by mail will be dispatched by registered/speed post on payment of an extra amount of Rs. 500/. The Project will not be responsible for the postal delay if any, in the delivery of the documents or non-receipt of the same.

7. A pre-bid meeting will be held on 15/11/2019 at 11.00 AM in RACP office, Jaipur. The last date and time of submission of bidding documents will be 04/12/2019 up to 02:00 PM and the time and opening of the bidding documents will be on 04/12/2019 at 2.30 PM
8. All bids must be accompanied by a bid security as specified in the bid document and must be delivered to the above Office at the date and time indicated above. The Bid Security should be valid for at least **45 days** beyond the bid validity period. The bid will be valid for the period of 120 days, therefore bid security should be valid for 165 days from the date of bid submission.
9. The bid document can be seen and downloaded from the website <http://www.agriculture.rajasthan.gov.in/content/agriculture/en/RACP-dep.html>. The bidder will be responsible for ensuring that any addenda available on the website is also downloaded and incorporated. The downloaded bid document and addenda will be submitted along with non-refundable fee of Rs. 3,000/- (Rupees three thousand only) towards the cost of the bid document. Electronic bidding is not permitted. Late bids will be rejected.
10. Bids will be publically opened in the presence of Bidders' designated representatives who choose to attend at the address given above on the specified date and time.
11. In the event of the date specified for bid receipt and opening being declared as a closed holiday for the purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.

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(Dr. Om Prakash)
Project Director

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PART 1 – BIDDING PROCEDURES

SECTION I - INSTRUCTIONS TO BIDDERS [ITB]

Section I. Instructions to Bidders

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Section I. Instructions to Bidders

A. General

1. **Scope of Bid**
 - 1.1 The Purchaser **indicated in the Bidding Data Sheet (BDS)**, issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section VII, Schedule of Requirements. The name and identification number of lots (contracts) of this National Competitive Bidding (NCB) procurement are **specified in the BDS**.
 - 1.2 Throughout these Bidding Documents:
 - (a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, telex) with proof of receipt;
 - (b) if the context so requires, “singular” means “plural” and vice versa; and
 - (c) “day” means calendar day.
2. **Source of Funds**
 - 2.1 The Government of India (hereinafter called “Borrower”) **specified in the BDS** has applied for or received financing (hereinafter called “funds”) from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called “the Bank”) in an amount **specified in BDS** toward the project **named in the BDS**. The Borrower intends to apply a portion of the funds to eligible payments under the contract for which these Bidding Documents are issued.
 - 2.2 Payment by the Bank will be made only at the request of the Borrower and upon approval by the Bank in accordance with the terms and conditions of the Loan (or other financing) Agreement. The Loan (or other financing) Agreement prohibits a withdrawal from the loan or other financing) account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall derive any rights from the Loan (or other financing) Agreement or have any claim to the funds.
3. **Corrupt & Fraudulent Practices**
 - 3.1 The Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI.

3.2 In further pursuance of this policy, Bidders shall permit and shall cause its agents (where declared or not), sub-contractors, sub-consultants, service providers or suppliers and to permit the Bank to inspect all accounts, records and other documents relating to the submission of the application, bid submission (in case prequalified), and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

4. Eligible Bidders

4.1 A Bidder may be a firm that is a private entity, or a government owned entity subject to ITB 4.5.

4.2 A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:

- a. directly or indirectly controls, is controlled by or is under common control with another Bidder; or
- b. receives or has received any direct or indirect subsidy from another Bidder; or
- c. has the same legal representative as another Bidder; or
- d. has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or
- e. Participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
- f. any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the bid; or
- g. any of its affiliates has been hired (or is proposed to be hired) by the Purchaser or Borrower for the Contract implementation; or
- h. would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the BDS ITB 2.1 that it provided or were provided by any of its affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; or
- i. has a close business or family relationship with a professional staff of the Borrower (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or (ii) would be involved in the implementation or

supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Bank throughout the procurement process and execution of the contract.

- 4.3 A Bidder may have the nationality of any country, subject to the restrictions pursuant to ITB 4.7. A Bidder shall be deemed to have the nationality of a country if the Bidder is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed sub-contractors or sub-consultants for any part of the Contract including related Services.
- 4.4 A Bidder that has been sanctioned by the Bank in accordance with the above ITB 3.1, including in accordance with the Bank's Guidelines on Preventing and Combating Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants ("Anti-Corruption Guidelines"), shall be ineligible to be prequalified for, bid for, or be awarded a Bank-financed contract or benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined. The list of debarred firms and individuals is available at the electronic address **specified in the BDS.**
- 4.5 Bidders that are Government-owned enterprises or institutions in the Purchaser's Country may participate only if they can establish that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not dependent agencies of the Employer. To be eligible, a government-owned enterprise or institution shall establish to the Bank's satisfaction, through all relevant documents, including its Charter and other information the Bank may request, that it: (i) is a legal entity separate from the government (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to the government, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt; and (iv) is not bidding for a contract to be awarded by the department or agency of the government which under their applicable laws or regulations is the reporting or supervisory authority of the enterprise or has the ability to exercise influence or control over the enterprise or institution.

- 4.6 A Bidder shall not be under suspension from bidding by the Purchaser as the result of the operation of a Bid–Securing Declaration.
- 4.7 Firms and individuals may be ineligible if so indicated in Section V and (a) as a matter of law or official regulations, the Borrower’s country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; or (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower’s country prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country.
- 4.8 A bidder shall provide such evidence of eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.

5. Eligible Goods and Related Services

- 5.1 All the Goods and Related Services to be supplied under the Contract and financed by the Bank may have their origin in any country in accordance with Section V, Eligible Countries.
- 5.2 For purposes of this Clause, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” includes services such as insurance, installation, training, and initial maintenance.
- 5.3 The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

B. Contents of Bidding Document

6. Sections of Bidding Documents

- 6.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITB Clause 8.

PART 1 Bidding Procedures

- Section I. Instructions to Bidders (ITB)
- Section II. Bidding Data Sheet (BDS)
- Section III. Evaluation and Qualification Criteria

- Section IV. Bidding Forms
- Section V. Eligible Countries
- Section VI Bank Policy-Corrupt and Fraudulent Practices

PART 2 Supply Requirements

- Section VII. Schedule of Requirements

PART 3 Contract

- Section VIII. General Conditions of Contract (GCC)
- Section IX. Special Conditions of Contract (SCC)
- Section X. Contract Forms

6.2 The Invitation for Bids issued by the Purchaser is not part of the Bidding Document.

6.3 Unless obtained directly from the Purchaser, the Purchaser is not responsible for the completeness of the document, responses to requests for clarification, minutes of pre-bid meeting (if any), or Addenda to the Bidding Document in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Purchaser shall prevail.

6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all information or documentation as is required by the Bidding Documents.

7. Clarification of Bidding Documents

7.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser’s address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than fifteen (15) days prior to the deadline for submission of bids. The Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but without identifying its source. If so specified in the BDS, the Purchaser shall also promptly publish its response at the web page **identified in the BDS**. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 8 and ITB Sub-Clause 22.2.

- 8. Amendment of Bidding Documents**
- 8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum.
- 8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents directly from the Purchaser in accordance with ITB clause 6.3 The Purchaser shall also promptly publish the addendum on the Purchaser’s web page in accordance with ITB 7.1. .
- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 22.2

C. Preparation of Bids

- 9. Cost of Bidding**
- 9.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

- 10. Language of Bid**
- 10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into English language, in which case, for purposes of interpretation of the Bid, such translation shall govern.

- 11. Documents Comprising the Bid**
- 11.1 The Bid shall comprise the following:
- (a) Letter of Bid , in accordance with ITB Clause 12;
 - (b) Completed schedules, in accordance with ITB 12 and 14
 - (c) Bid Security, in accordance with ITB Clause 19.1, if required;
 - (d) Alternative bids, if permissible, in accordance with ITB 13;
 - (e) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 20.2;
 - (f) documentary evidence in accordance with ITB Clause 17 establishing the Bidder’s qualifications to perform the contract if its bid is accepted;
 - (g) documentary evidence in accordance with ITB 17 establishing the Bidders eligibility to bid;

- (h) documentary evidence in accordance with ITB Clause 16, that the Goods and Related Services to be supplied by the Bidder are of eligible origin;
- (i) documentary evidence in accordance with ITB Clauses 16 and 30, that the Goods and Related Services conform to the Bidding Documents;
- (j) Manufacturer's authorization form; and
- (k) Any other document **required in the BDS.**

11.2 The Bidder shall furnish in the Letter of Bid, information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid

12. Letter of Bid and Price Schedules

12.1 The Letter of Bid and Price Schedules shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.2. All blank spaces shall be filled in with the information requested.

13. Alternative Bids

13.1 Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

14. Bid Prices and Discounts

14.1 The prices and discounts quoted by the Bidder in the Letter of Bid and in the Price Schedules shall conform to the requirements specified below.

14.2 All lots (contracts) and items must be listed and priced separately in the Price Schedules.

14.3 The price to be quoted in the Letter of Bid, in accordance with ITB 12.1, shall be the total price of the bid, excluding any discounts offered.

14.4 The Bidder shall quote any unconditional discounts and indicate the method for their application in the Letter of Bid in accordance with ITB 12.1.

14.5 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, **unless otherwise specified in the BDS.** A bid submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected, pursuant to ITB 29. However, if in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

- 14.6 If so specified in ITB 1.1, bids are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise **specified in the BDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer discounts for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4 provided the bids for all lots (contracts) are opened at the same time.
- 14.7 The terms EXW, CIP, and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, **as specified in the BDS**
- 14.8 Prices shall be quoted as specified in the Price Schedule included in Section IV, Bidding Forms. The dis-aggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country, in accordance with Section V Eligible Countries. Similarly, the Bidder may obtain insurance services from any eligible country in accordance with Section V Eligible Countries. Prices shall be entered in the following manner:
- (a) **For Goods:**
- (i) the price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable), including all duties (customs, excise etc.) and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
 - (ii) any vat, sales tax and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and
 - (iii) The price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) **specified in the BDS.**

- (b) for the Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements:
 - (i) The price of each item comprising the Related Services (inclusive of any applicable taxes).

14.9 Deemed Export Benefits

Bidders may like to ascertain availability of excise or other duty exemption benefits, available for contracts financed under World Bank Credits/ Loans. They are solely responsible for obtaining such benefits, which they have considered in their bid and in case of failure to receive such benefits for reasons whatsoever, the Purchaser will not compensate the bidder.

Where the bidder has quoted taking into account such benefits, it must give all information required for issue of necessary Certificates in terms of the Central Excise Notification -108/95 along with its bid in form at Serial. Number. 7 of Section IV Bidding Forms. Where the Purchaser issues such Certificates, Excise Duty will not be reimbursed separately.

If the Bidder has considered the Deemed Export Benefits in its bid, the Bidder shall confirm and certify that the Purchaser will not be required to undertake any responsibilities of the deemed export scheme or the benefits available during contract execution except issuing the required certificates. Bids which do not conform to this provision or any condition by the Bidder which makes the bid subject to availability of deemed export benefits or compensation on withdrawal of or any variations in the deemed export benefits scheme will make the bid non responsive and hence liable to rejection.

15. Currencies of Bid & Payment

15.1 The Bidder shall quote the Price in Indian Rupees only.

16. Documents Establishing the Eligibility and conformity of the Goods and Related Services

16.1 To establish the eligibility of the Goods and Related Services in accordance with ITB Clause 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.

16.2 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid

the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VII, Schedule of Requirements.

- 16.3 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Section VII Schedule of Requirements.
- 16.4 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by the Purchaser.
- 16.5 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Section VII Schedule of Requirements.

**17. Documents
Establishing the
Eligibility
& Qualifications
of the Bidder**

- 17.1 To establish Bidder's their eligibility in accordance with ITB 4, Bidders shall complete the Letter of Bid, included in Section IV, Bidding Forms
- 17.2 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:
 - (a) that the Bidder meets each of the qualification criterion Criteria specified in Section III, Evaluation and Qualification
 - (b) (i) that, if **required in the BDS**, a Bidder 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, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's Country;

(ii) Supplies for any particular item in each schedule of the bid should be from one manufacturer only. Bids from agents offering supplies from different manufacturers for the same item of the schedule in the bid will be treated as non-responsive.

(iii) that, if **required in the BDS**, the Bidder is or will be (if awarded the contract) represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications;

(c) Bids from Joint Ventures are not acceptable

**18 Period of
Validity of Bids**

18.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Purchaser in accordance with ITB 22.1. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

18.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 19, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB Sub-Clause 18.3.

18.3 If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be determined as follows:

(a) In the case of fixed price contracts, the Contract price shall be the bid price adjusted by the factor **specified in the BDS** for each week or part of the week that has elapsed from the expiration of the initial bid validity to the date of notification of award to the successful bidder.

(b) In the case of adjustable price contracts, no adjustment shall be made.

(c) In any case, bid evaluation shall be based on the bid Price without taking into consideration the applicable correction from those indicated above.

19 Bid Security

- 19.1 The Bidder shall furnish as part of its bid, a Bid Security, if required, as **specified in the BDS**.
- 19.2 Not used
- 19.3 The Bid Security shall be in the amount **specified in the BDS** and denominated in Indian Rupees or a freely convertible currency, and shall:
- (a) at the bidder's option, be in the form of either a certified check, demand draft, letter of credit, or a bank guarantee from a Nationalized /Scheduled Bank in India.
 - (b) be substantially in accordance with one of the forms of Bid Security included in Section IV, Bidding Forms, or other form approved by the Purchaser prior to bid submission;
 - (c) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 19.7 are invoked;
 - (d) be submitted in its original form; copies will not be accepted;
 - (e) remain valid for a period of 45 days beyond the original validity period of the bids, or beyond any period of extension of bid validity, if so requested under ITB Clause 18.2;
- 19.4 If a Bid Security is required in accordance with ITB Sub-Clause 19.1, any bid not accompanied by a substantially responsive Bid Security shall be rejected by the Purchaser as non-responsive.
- 19.5 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 42.
- 19.6 The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the contract and furnished the required performance security
- 19.7 The Bid Security may be forfeited :
- (a) if a Bidder
 - (i) withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 18.2;
 - or

- (ii) does not accept the correction of errors in pursuant to ITB 31,
or,

- (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 41;
or
 - (ii) Furnish a Performance Security in accordance with ITB Clause 42.

19.8 Not used

19.9 If a bid security is **not required in the BDS**, and

- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid Form, except as provided in ITB 18.2, or does not accept the correction of errors pursuant to ITB 31; or
- (b) if the successful Bidder fails to sign the Contract in accordance with ITB 41; or furnish a performance security in accordance with ITB 42;

the Borrower may, **if provided for in the BDS**, declare the Bidder disqualified to be awarded a contract by the Purchaser for a period of time **as stated in the BDS**.

20 Format and Signing of Bid

20.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 11 and clearly mark it "ORIGINAL." Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked "ALTERNATIVE." In addition, the Bidder shall submit copies of the bid, in the number **specified in the BDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.

20.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. The authorization shall consist of a written confirmation **as specified in the BDS** and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid where entries or amendments have been made shall be signed or initialed by the person signing the bid.

20.3 Not used

20.4 Any interlineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

D. Submission and Opening of Bids

- 21 Sealing and Marking of Bids**
- 21.1 The Bidder shall enclose the original and all copies of the bid, including alternative bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as “ORIGINAL”, “ALTERNATIVE”, and “COPY.” These envelopes containing the original and the copies shall then be enclosed in one single envelope.
- 21.2 The inner and outer envelopes shall:
- bear the name and address of the Bidder;
 - be addressed to the Purchaser in accordance with ITB 24.1;
 - bear the specific identification of this bidding process indicated in ITB 1.1; and
 - bear a warning not to open before the time and date for bid opening.
- 21.3 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.
- 21.4 Telex, Cable or Facsimile bids will be rejected as non-responsive.
- 22 Deadline for Submission of Bids**
- 22.1 Bids must be received by the Purchaser at the address and no later than the date and time **specified in the BDS**. When so **specified in the BDS**, bidders shall have the option of submitting their bids electronically. Bidders submitting bids electronically shall follow the electronic bid submission procedures as **specified in the BDS**.
- In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received up to the appointed time on the next working day.
- 22.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
- 23 Late Bids**
- 23.1 The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 22. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.
- 24 Withdrawal, Substitution, and**
- 24.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the

Modification of Bids

authorization (the power of attorney) in accordance with ITB Sub-Clause 20.2, (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:

- (a) Prepared & submitted in accordance with ITB Clauses 20 and 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” or “MODIFICATION;” and
- (b) Received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 22.

24.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 24.1 shall be returned unopened to the Bidders.

24.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof.

25 Bid Opening

25.1 Except as in the cases specified in ITB 23 & 24, the Purchaser shall publicly open and read out in accordance with ITB 25.3 all bids received by the deadline at the date, time and place **specified in the BDS** in the presence of Bidders’ designated representatives and anyone who choose to attend. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB 22.1, shall be as **specified in the BDS**.

In the event of the specified date of bid opening being declared a holiday for the Purchaser, the bids will be opened at the appointed time and location on the next working day.

25.2 First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. If the withdrawal envelope does not contain a copy of the “power of attorney” confirming the signature as a person duly authorized to sign on behalf of the Bidder, the corresponding bid will be opened. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked “SUBSTITUTION” shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice

contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only bids that are opened and read out at Bid opening shall be considered further.

- 25.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Prices, per lot (contract) if applicable including any discounts and alternative bids; the presence or absence of a Bid Security, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative bids read out at Bid opening shall be considered for evaluation. The Letter of Bid and the Price Schedules are to be initialed by representatives of the Purchaser attending bid opening in the manner **specified in the BDS**. The Purchaser shall neither discuss the merits of any bid nor reject any bid (except for late bids, in accordance with ITB 25.1).
- 25.4 The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot (contract) if applicable, including any discounts, and alternative bids if they were permitted; and the presence or absence of a Bid Security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders who submitted bids in time, and posted online when electronic bidding is permitted.

E. Evaluation and Comparison of Bids

- 26 Confidentiality**
- 26.1 Information relating to the examination, evaluation, comparison, and post-qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until information on Contract Award is communicated to all Bidders in accordance with ITB 40.
- 26.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its Bid.
- 26.3 Notwithstanding ITB Sub-Clause 26.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to

contact the Purchaser on any matter related to the bidding process, it should do so in writing.

27 Clarification of Bids

- 27.1 To assist in the examination, evaluation, comparison of the bids and post-qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid, that changes the substance of the Bid or Bidder price shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB Clause 31.
- 27.2 If a Bidder does not provide clarifications of its bid by the date and time set in the Purchaser's request for clarification, its bid may be rejected.

28 Deviations, Reservations, Omissions

- 28.1 During the evaluation of bids, the following definitions apply:
- (a) "Deviation" is a departure from the requirements specified in the Bidding Documents;
 - (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and
 - (c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Documents

29 Determination of Responsiveness

- 29.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself as defined in ITB 11.
- 29.2 A substantially responsive Bid is one that meets the requirements of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
- (a) If accepted, would
 - (i) affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or

(ii) limit in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or

(b) If rectified would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

29.2.1 Bids from Agents, without proper authorization from the manufacturer as per Section XII, shall be treated as non-responsive.

29.3.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.

29.3.2 The Purchaser shall examine the bid to confirm that the Bidder has accepted all terms and conditions specified in GCC and the SCC without material deviations or reservations. Deviations from or objections or reservations to critical provisions such as those concerning Performance Security (GCC Clause 18). Warranty (GCC Clause 28), Force Majeure (Clause 32), Limitation of liability (GCC Clause 30), Governing law (GCC Clause 9) and Taxes & Duties (GCC Clause 17) will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

29.4 If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.

30 Nonconformities, Errors, and Omissions

30.1 Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.

30.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price or substance of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

		30.3	Provided that a bid is substantially responsive, the Purchaser shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component.
31	Correction of Arithmetical Errors	31.1	<p>Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:</p> <p>(a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;</p> <p>(b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and</p> <p>(c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.</p> <p>31.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 31.1 shall result in the rejection of the Bid. If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected and the Bid security may be forfeited.</p>
32	Conversion to Single Currency		Not applicable.
33	Margin of Domestic Preference		Not applicable.
34	Evaluation of Bids	34.1	The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.

To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria listed in this Clause. No other criteria or methodology shall be permitted.

34.2 To evaluate a Bid, the Purchaser shall consider the following:

- (a) evaluation will be done for Items or Lots (contracts), as **specified in the BDS**; and the Bid Price as quoted in accordance with clause 14;
- (b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 31.1;
- (c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 14.4;
- (d) not used
- (e) price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 30.3;
- (f) The additional evaluation factors as **specified in the BDS as per ITB 34.6** from amongst those set out in Section III, Evaluation and Qualification Criteria;

34.3 The estimated effect of the price adjustment provisions of the conditions of contract, applied over the period of execution of the contract, shall not be taken into account in bid evaluation.

34.4 If these Bidding Documents allow Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated price of the lot (contract) combinations, including any discounts offered in the Letter of Bid Form, is specified in Section III, Evaluation and Qualification Criteria

34.5 The Purchaser's evaluation of a bid will exclude and not take into account:

- (a) In the case of Goods manufactured in India or goods of foreign origin already located in India, vat, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
- (b) Any allowance for price adjustment during the period of execution of the contract, if provided in the bid.

34.6 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB Clause 14. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the

factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids, unless otherwise specified in Section III, Evaluation and Qualification Criteria. The factors, methodologies and criteria to be used shall be as specified in ITB 34.2 (f).

- 35 Comparison of Bids** 35.1 The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 34.
- 36 Qualification of the Bidder** 36.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid meets the qualifying criteria specified in Section III evaluation and Qualification Criteria.
- 36.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 17.
- 36.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's qualifications to perform satisfactorily.
- 37 Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids** 37.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

F. Award of Contract

- 38 Award Criteria** 38.1 Subject to ITB 37.1, the Purchaser shall award the Contract to the Bidder whose bid has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
- 39 Purchaser's Right to Vary Quantities at Time of Award** 39.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VII, Schedule of Requirements, provided this does not exceed the percentages **specified in the BDS**, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.

- 40 Notification of Award** 40.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (hereinafter called “Letter of Acceptance”) shall specify the sum that the purchaser will pay in consideration of the supply of Goods (hereinafter called “the Contract Price”).
- Publication of Award** 40.2 At the same time the Purchaser shall publish in a website <http://www.agriculture.rajasthan.gov.in/content/agriculture/en/R-ACP-dep.html> the results identifying the bid and lot numbers and the following information: (i) name of each Bidder who submitted a Bid; (ii) bid prices as read out at bid opening; (iii) name and evaluated prices of each Bid that was evaluated; (iv) name of bidders whose bids were rejected and the reasons for their rejection; and (v) name of the successful Bidder, and the price it offered, as well as the duration and summary scope of the contract awarded.
- Recourse to Unsuccessful Bidders** 40.3 The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after Publication of contract award, requests in writing the grounds on which its bid was not selected.
- 40.4 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.
- 40.5 Upon the successful Bidder’s furnishing of the performance security and signing the Contract Form pursuant to ITB Clause 42, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 19.5
- 41 Signing of Contract** 41.1 Promptly after notification, the Purchaser shall send the successful Bidder the Contract Agreement.
- 41.2 Within twenty-Eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.
- 42 Performance Security** 42.1 Within twenty Eight (28) days of the receipt of notification of award from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section X Contract forms, or another Form acceptable to the Purchaser. Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose bid is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

SECTION II - BIDDING DATA SHEET

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

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: Project Director, Rajasthan Agricultural Competitiveness Project, II Floor, Academic Block, SIAM Campus, Durgapura, Jaipur-302018, (Rajasthan), INDIA
ITB 1.1	The name and identification number of the NCB is Supply and Commissioning of Solar Photovoltaic (SPV) Water Pumping System at Farmer Fields in RACP Clusters and IFB No IN-PMU-RACP-142678-GO-RFB-2019-20
ITB 2.1	The Borrower is Government of India Loan or Financing Agreement Amount :US \$ 109.00 Million
ITB 2.1	The name of the Project is: Rajasthan Agricultural Competitiveness Project (R.A.C.P)
ITB 4.4	A list of firms debarred from participating in World Bank projects is available at http://www.worldbank.org/debarr

B. Contents of Bidding Documents	
ITB 7.1	For <u>Clarification of bid purposes</u> only, the Purchaser's address is: Project Director Rajasthan Agricultural Competitiveness Project II Floor, Academic Block, SIAM Campus, Durgapura, Jaipur-302018 Ph. No. - 0141-2554215, 2554214 Fax: 0141-2554214

	Email-pd@racpmis.com
	C. Preparation of Bids
ITB 11.1(k)	<p>The Bidder shall submit the following additional documents along with formats as under -</p> <ol style="list-style-type: none"> 1. Bidder shall submit copies of its original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm or partnership, etc. 2. If the bidder is an authorized by manufacturer then the bidder shall also submit copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm or partnership, etc of the manufacturer as well. 3. The bidder should furnish the information on past five year supplies of similar equipment and their satisfactory performance received from respective client.
ITB 13.1	Alternative Bids shall not be considered.
ITB 14.5	The prices quoted by the Bidder shall not be subject to adjustment during the performance of the Contract.
ITB 14.7	The Incoterms edition is Incoterms 2010.
ITB 14.8 (a) (iii)	Final destinations are farmer field in various villages of Clusters of RACP in different districts of Rajasthan as specified in the Section – VII: Supply Requirements.
ITB 16.4	Period of time the Goods are expected to be functioning: 05 Years
ITB 17.2 (b) (i)	Manufacturer's authorization is: <i>as per proforma in Section IV.</i>
ITB 17.2 (b)iii	N/A
ITB 18.1	The bid validity period shall be 120 days.
ITB 18.3(a)	The factor will be 7% per annum.
ITB 19.1	Bid shall include a Bid Security (issued by bank) included in Section IV Bidding Forms.
ITB 19.3	The amount of the Bid Security shall be: Rs. 20.58 Lakh

ITB 20.1	In addition to the original of the bid, the number of copies is: Two
ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall indicate the name and description of the documentation required to demonstrate the authority of the signatory to sign the Bid such as a Power of Attorney.
D. Submission and Opening of Bids	
ITB 21.2 (c)	Name of Goods Supply and Commissioning of Solar Photovoltaic (SPV) Water Pumping System at Farmer Fields in RACP Clusters And IFB No. IN-PMU-RACP-142678-GO-RFB-2019-20
ITB 22.1	For bid submission purposes, the Purchaser's address is: Project Director Rajasthan Agricultural Competitiveness Project II Floor, Academic Block, SIAM Campus, Durgapura, Jaipur-302018 Ph. No. - 0141-2554215, 2554214 Fax: 0141-2554214 Email-pd@racpmis.com . The deadline for the submission of bids is: Date: 04/12/2019 Time: up to 2:00 PM
ITB 22.1	Bidders shall not have the option of submitting their bids electronically.
ITB 25.1	The bid opening shall take place at: Project Director Rajasthan Agricultural Competitiveness Project II Floor, Academic Block, SIAM Campus, Durgapura, Jaipur-302018 Ph. No. - 0141-2554215, 2554214 Fax: 0141-2554214 Email-pd@racpmis.com The deadline for the opening of bids is: Date: 04/12/2019 Time: at 2:30 PM
ITB 25.3	The Letter of Bid, Price Schedules, and any modifications to the unit or total price shall be initialed by the representatives of the Purchaser conducting Bid opening.
E. Evaluation and Comparison of Bids	

ITB 34.2(a)	The evaluation and award of contract will be done all together for the items mentioned in price schedule.
ITB 34.4	Not Applicable
ITB 34.6	<p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria:</p> <ul style="list-style-type: none"> (a) Deviation in Delivery schedule: Adjustment as referred to in paragraph 1(a) of Section III will be applied to the bid price for bids offering delivery beyond the earliest delivery date (specified in Section VII - Schedule of Requirements) @ 0.5% per week or part of week. No credit will be given to deliveries before the earliest date and bids offering delivery after the final date (beyond 4 weeks) of stipulated delivery period will be treated as non-responsive. (b) Deviation in payment schedule: No (c) the cost of major replacement components, mandatory spare parts, and service: <i>Not Applicable</i>'. (d) the availability in the Purchaser's Country of spare parts and after-sales services for the equipment offered in the bid : <i>Not Applicable</i>'. (e) the projected operating and maintenance costs during the life of the equipment : <i>Not Applicable</i>'. (f) the performance and productivity of the equipment offered; <i>Not Applicable</i>'.
	F. Award of Contract
ITB 39.1	<p>The maximum percentage by which quantities may be increased is: 15%</p> <p>The maximum percentage by which quantities may be decreased is: As per beneficiary demand</p>

SECTION III. EVALUATION AND QUALIFICATION CRITERIA

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser shall use to evaluate a bid and determine whether a Bidder qualifies in accordance with ITB 34 & 36. No other criteria shall be used.

Contents

1. Evaluation Criteria (ITB 34)
2. Qualification Requirements (ITB 36)

1. Evaluation Criteria (ITB 34.6)

The Purchaser's evaluation of a bid may take into account, in addition to the Bid Price quoted in accordance with ITB Clause 14.8, one or more of the following factors as specified in ITB Sub-Clause 34.2 (f) and in BDS referring to ITB 34.6, using the following criteria and methodologies.

- (a) Delivery schedule. (as per Incoterms specified in the BDS)

The Goods specified in the List of Goods are required to be delivered within the acceptable time range (after the earliest and before the final date, both dates inclusive) specified in Section VII, Schedule of requirements. No credit will be given to deliveries before the earliest date, and bids offering delivery after the final date shall be treated as non-responsive. Within this acceptable period, an adjustment, as specified in BDS Sub-Clause 34.6, will be added, for evaluation purposes only, to the bid price of bids offering deliveries later than the "Earliest Delivery Date" specified in Section VII, Schedule of requirements.

- (b) Deviation in payment schedule. **Not Applicable**
- (c) Cost of major replacement components, mandatory spare parts, and service. **Not Applicable**
- (d) Availability in the Purchaser's Country of spare parts and after sales services for equipment offered in the bid. **Not Applicable**
- (e) Projected operating and maintenance costs. **Not Applicable**
- (f) Performance and productivity of the equipment. **Not Applicable**
- (g) Specific additional criteria. **Nil**

2. Post-qualification Requirements (ITB 36.1)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 35.1, the Purchaser shall carry out the post-qualification of the Bidder in accordance with ITB Clause 36, using only the requirements specified.

- (a) Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s): The minimum required average annual turnover during the last three years (2016- 17, 2017-18 and 2018-19) will be Rs. 1500.00 Lakh The bidder shall furnish all financial details including audited and certified annual accounts for past five years (from 2014-15 to 2018-19).

- (b) Experience and Technical Capacity

1. The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement (s): The average annual minimum quantity will be 250 solar pumps (a total of 750 solar pumps) manufactured/ marketed and

successfully commissioned during the last 3 years (2016- 17, 2017-18 and 2018-19).

2. The successful performance of the supplied by the bidder must be documentarily evidenced with the details like Names and addresses of Purchasers with contact details as e-mail addresses/ Phone Nos, Contract Nos. and Dates, Equipment's/ items ordered/ supplied & installed with their respective quantities, Scheduled completion date and actual completion date, Details of Complaint, if any, received from the purchaser about the performance of the Equipment's/ items.
3. The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement: The bidder must provide list of parallel list of purchasers/Farmers with all details justifying its capacity to perform the contract (if awarded) satisfactorily.
4. If the bidder submits the Bid as an Authorized Supplier of the Manufacturer, then the bidder shall also submit copies of original documents defining the constitution/legal status, place of registration and principal place of business of the manufacturer also.
5. The Bidder must furnish details of supplies made by him in the last five years in proforma attached in Section IV.
6. List of after sales service centers/resident service executive at least 4 locations of the State for the last 3 years.
7. The bidder or the Manufacturer must have valid BIS license for items which pertains to only prevalent BIS item.
8. The bidder must furnish sufficient information demonstrating its technical capacity, Production capacity, quality control, and execution capacity (including technical and support manpower).
9. The bidder shall submit the evidence of manufacturing of PV modules required for solar pumping system. The bidder also need to submit the Test Report of PV Modules from testing laboratories authorized by MNRE / recognized by BIS.
10. The bidder shall submit performance certificate/ testing certificate for the output, installation and commissioning of SPV pumping system. In case bidder do not have test report of particular model, it may be submit before material dispatch.

SECTION IV – BIDDING FORMS

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1. LETTER OF BID

The Bidder must prepare the Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and address.

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

NCB No.: *[insert number of bidding process]*

Invitation for Bid No.: *[insert No of IFB]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To

Project Director,

Rajasthan Agricultural Competitiveness Project (R.A.C.P.)

II Floor, Academic Block,

SIAM Campus, Durgapura,

Jaipur-302018, Rajasthan

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No. issued in accordance with ITB 8: *[insert the number and issuing date of each Addenda]*;
- (b) We meet the eligibility requirements and have no conflict of interest in accordance with ITB 4;
- (c) We have not been suspended nor declared ineligible by the Purchaser based on execution of a Bid Securing Declaration in the Purchaser's country in accordance with ITB 4.6

We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following **Supply and Commissioning of Solar Photovoltaic (SPV) Water Pumping System at Farmer Fields in RACP Clusters;**

- (d) The total price of our Bid, excluding any discounts offered in item (f) below, is:
- (e) The discounts offered and the methodology for their application are:
 - (i) The discounts offered are: *[Specify in detail each discount offered.]*
 - (ii) The exact method of calculations to determine the net price after application of discounts is shown below: *[Specify in detail the method that shall be used to apply the discounts];Discounts.*

- (f) Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 22, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (g) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- (h) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.2(e), other than alternative bids submitted in accordance with ITB 13
- (i) We, including any of our subcontractors or suppliers for any part of the contract, have not been declared ineligible by the Bank, under the Employer’s country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;
- (j) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB 4.5;¹
- (k) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate “none.”)

- (m) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (n) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (o) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption..

¹*Bidder to use as appropriate*

(p) We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely, "Prevention of Corruption Act 1988."

Name of the Bidder *[insert complete name of person signing the Bid]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder** *[insert complete name of person duly authorized to sign the Bid]*

Title of the person signing the Bid *[insert complete title of the person signing the Bid]*

Signature of the person named above *[insert signature of person whose name and capacity are shown above]*

Date signed *[insert date of signing]* day of *[insert month]*, *[insert year]*

** : Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid Schedules.

2. BIDDER INFORMATION FORM

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

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

NCB No.: *[insert number of bidding process]*

Page _____ of _____ pages

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>
2. Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>
3. Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>
4. Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>
5. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
6. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.3. <input type="checkbox"/> In case of government owned entity from the Purchaser's country, documents establishing legal and financial autonomy and compliance with commercial law and not dependent agency of borrower or sub-borrower or purchaser, in accordance with ITB Sub-Clause 4.5. <input type="checkbox"/> Included are the organizational chart ,a list of Board of Directors, and the beneficial ownership

3. PRICE SCHEDULE FORMS

*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

3. PRICE SCHEDULE AS PER SCHEDULE OF REQUIREMENTS									
								Date: _____ NCB No: _____ Alternative No: _____ Page No _____ of _____	
1	2		3	4	5	6	7	8	9
Line Item No	Description of Goods		Delivery Date	Quantity and physical unit in Nos.	Unit price EXW [including excise duty if any]	Total EXW price per line item [including Excise Duty if any] (Col. 4×5)	Price per line item for inland transportation, insurance and other services required to convey the Goods to their final destination (ITB 14.8 (a)(iii))	GST payable per item if Contract is awarded (in accordance with ITB 14.8(a)(ii))	Total Price per line item (Col. 6+7) excluding GST
1	SPV DC / 20-100 m head / Static mounting structure	Submersible Pumping System 3 HP		50					
2	SPV DC / 20-100 m head / Static mounting structure	Submersible Pumping System 5 HP		50					
3	SPV AC / 20-100 m head / Static mounting structure	Submersible Pumping System 3 HP		150					
4	SPV AC / 20-100 m head / Static mounting structure	Submersible Pumping System 5 HP		200					

5	SPV Domestic lighting system - Wp/ 40 Ah Battery/ 9Wx2 fixture	Wp/ 40 Ah Battery/ 9Wx2 fixture		450					
6	Fencing around Solar Panels and Structure - Fencing as per technical specification	Fencing as per technical specification		450					
Total Price Quoted									
	<ul style="list-style-type: none"> • The bidder must quote rate for all the items as mentioned in the price schedule. • In case of discrepancy between unit price and total price, the unit price shall prevail. Total Price is only for evaluation purpose and purchase orders will be issued by Purchaser and/or Users using unit price quoted above. 								
	Name of Bidder <i>[insert complete name of Bidder]</i> Signature of Bidder <i>[signature of person signing the Bid]</i> Date <i>[insert date]</i>								

4. FORM OF BID SECURITY

(Bank Guarantee)

[The bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[Purchaser to insert its name and address]*

IFB No.: *[Purchaser to insert reference number for the Invitation for Bids]*

Alternative No.: *[Insert identification No if this is a Bid for an alternative]*

Date:*[Insert date of issue]*

BID GUARANTEE No.:*[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that _____ *[insert name of the Bidder]* (hereinafter called "the Applicant") has submitted or will submit to the Beneficiary its bid (hereinafter called "the Bid") for the execution of _____ under Invitation for Bids No. _____ ("the IFB").

Furthermore, we understand that, according to the Beneficiary's conditions, bids must be supported by a bid guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ (_____) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

- (a) has withdrawn its Bid during the period of bid validity set forth in the Applicant's Letter of Bid ("the Bid Validity Period"), or any extension thereto provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Applicant, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document.

This guarantee will expire: (a) if the Applicant is the successful bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the performance security issued to the Beneficiary in relation to such contract agreement; or (b) if the Applicant is not the successful

bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) forty five days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

[Signature(s)]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

5. MANUFACTURER'S AUTHORIZATION

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are legally binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**.]*

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

NCB No.: *[insert number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract against the above IFB.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm against this IFB.

No company or firm or individual other than M/s. _____ are authorized to bid, and conclude the contract for the above goods manufactured by us against this specific IFB. *[This para should be deleted for simple items where manufacturers normally sell the product through different stockists].*

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

**6. DECLARATION FOR CLAIMING EXCISE DUTY EXEMPTION
(RACP)**

Bid No.
Description of item to be supplied

(Information for issue of certificate for claiming exemption of Excise Duty (ED) in terms of Central excise notification No. 108/95)

(Bidder's Name and Address):

**To
(Name of Purchaser)**

.....

Dear Sir:

1. We confirm that we are solely responsible for obtaining deemed export benefits which we have considered in our bid and in case of failure to receive such benefits for reasons whatsoever, Purchaser will not compensate us.
2. We are furnishing below the information required by the Purchaser for issue of necessary certificate in terms of Central Excise notification no 108/95 read along with all subsequent amendments including the amendment dated 01-03-2008.

(i) Ex-factory price per unit on which ED is payable: *Rs. _____

(ii) No of Units to be supplied: _____

(iii) Total cost on which ED is payable (Rs.) _____

(The requirements listed above are as per Current notifications. These may be modified, as necessary, in terms of the rules in force)

(Signature) _____

(Printed Name) _____

(Designation) _____

(Common Seal) _____

** Please attach details item-wise with cost, if there are more than one items. The figures indicated should tally with what is given in the price schedule.*

7. PERFORMA FOR PERFORMANCE STATEMENT

[Please see ITB Clause 36.2 and Section III-
Evaluation and Qualification Criteria]

Proforma for Performance Statement (for a period of last five years)

Bid No. _____ Date of opening _____ Time _____ Hours

Name of the Firm _____

<u>Order placed by (full address of Purchaser)</u>	<u>Order No. and date</u>	<u>Description and quantity of ordered equipment</u>	<u>Value of order</u>	<u>Date of completion of delivery</u>		<u>Remarks indicating reasons for late delivery, if any</u>	<u>Has the equipment been satisfactorily functioning? (Attach a certificate from the Purchaser/Consignee)</u>
				As per contract	Actual		
1	2	3	4	5	6	7	8

Signature and seal of the Bidder _____

SECTION V. – ELIGIBLE COUNTRIES

Public Information Center

Eligibility for the Provision of Goods, Works and Non Consulting Services in Bank-Financed Procurement

In reference to ITB 4.7 and 5.1, for the information of the Bidders, at the present time firms, goods and services from the following countries are excluded from this bidding process:

Under ITB 4.7(a) and 5.1:

Under ITB 4.7(b) and 5.1:

SECTION VI. BANK POLICY - CORRUPT AND FRAUDULENT PRACTICES

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011.

“Fraud and Corruption:

1.16 It is the Bank’s policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.² In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;³
 - ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;⁴
 - (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;⁵

² In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

³ For the purpose of this sub-paragraph, “*another party*” refers to a public official acting in relation to the procurement process or contract execution. In this context, “*public official*” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

⁴ For the purpose of this sub-paragraph, “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

⁵ For the purpose of this sub-paragraph, “parties” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.

- (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;⁶
- (v) "obstructive practice" is:
 - (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
 - (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- (c) will declare mis procurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank’s sanctions procedures,⁷ including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated⁸;

⁶ For the purpose of this sub-paragraph, “party” refers to a participant in the procurement process or contract execution.

⁷ A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank’s sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

⁸ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in

- (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank.”

its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

PART 2 - SUPPLY REQUIREMENTS

SECTION VII – SCHEDULE OF REQUIREMENTS

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Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the bidding documents by the Purchaser, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable bidders to prepare their bids efficiently and accurately, in particular, the Price Schedule, for which a form is provided in Section IV. In addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITB 39.

The date or period for delivery should be carefully specified, taking into account (a) the implications of delivery terms stipulated in the Instructions to Bidders pursuant to the *Incoterms* rules (i.e., EXW, or CIP, terms—that “delivery” takes place when goods are delivered **to the carriers**), and (b) the date prescribed herein from which the Purchaser’s delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit).

1. LIST OF GOODS AND DELIVERY SCHEDULE

Line Item N°	Description of Goods	Quantity	Physical unit	Final (Site) Destination as specified in BDS	Delivery (as per Incoterms) Date			
					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]	Bid Security in Indian Rupees
1	Supply and Commissioning of Solar Photovoltaic (SPV) Water Pumping System at Farmer Fields in RACP Clusters	450	Nos	Farmers Field in various villages of Clusters of RACP in different districts of Rajasthan	30 Days	Contract will be valid up to 30 th June, 2020 or till the exhaust of contract value, whichever occurs earlier. As the delivery will be staggered, the delivery schedule will be given on monthly basis. Material to be delivered in 30 days on farmer's field and construction and commissioning in 20 days after delivery of material. A total period of 50 days from the issue of delivery schedule.		Rs. 20.58 Lakh

- The manufacturer/supplier should furnish a detailed operations and maintenance manual for each appropriate unit of the supplied goods and equipment's.
- The manufacturer/supplier is responsible for Performance of on-site assembly and start-up of the supplied equipment's / instrument units.
- The manufacturer/supplier is responsible for all unpacking, lay out and installations as per specific design. The Supplier will test all operations of the instruments, measurements and accomplish all adjustments necessary for successful and continuous operation of the instrument at all installation sites.
- The manufacturer/supplier shall develop detailed operation manual and training material (including sufficient no. of printed booklets, CDs, etc.) in local language. The same shall be first submitted to Purchaser for review and approval. Once the document is approved, manufacturer/supplier shall provide hands-on training/ orientation in village/cluster, where manufacturer/supplier has supplied the system. The manufacturer/supplier shall provide training on-site or shall organize at centralized location and shall bear all expenditure towards their own transport, stay, food and any other expenditure for the said training.

Project Site - List of Clusters

The End Implementing Agency (EIA)/ Project Implementation Agency (PIA) in different clusters of RACP is listed as:

S. No.	Name of Cluster	District	District implementing Unit (Agriculture)
1	Pisangan	Ajmer	AD, Horticulture
2	Ladnu	Nagaur	AD, Horticulture
3	Bari	Dholpur	AD, Horticulture
4	Bansur	Alwar	AD, Horticulture
5	Bonli	Sawai Madhopur	AD, Horticulture
6	Z-distributary	Sri Ganganagar	AD, Horticulture
7	Phoolasar	Bikaner	AD, Horticulture
8	Kheruwala	Jaisalmer	ADH, Bikaner
9	Sangod	Kota	DD, Horticulture
10	Gudha	Bundi	AD, Horticulture
11	Palaitha	Baran	AD, Horticulture
12	Orai & Bassi	Chittoregarh	AD, Horticulture
13	Manohar Thana	Jhalawar	AD, Horticulture
14	Jakham	Pratapgarh	AD, Horticulture
15	Dooni-Deoli	Tonk	AD, Horticulture
16	Khushalgarh	Banswara	AD, Horticulture
17	Mokhampura	Jaipur	DPM, Jaipur

DD, Horticulture-
AD, Horticulture-
DPM-

Deputy Director, Horticulture
Assistant Director, Horticulture
District Project Manager

2. TECHNICAL SPECIFICATIONS

1. Solar PV Array

- i. Project shall only make use of Polycrystalline / Monocrystalline Si Solar PV Modules.
- ii. Total volume of PV Modules to be supplied which is cumulative rated capacity of all solar PV module under supply as per relevant IEC standard No.IEC61215/ IS14286, IEC 61730 Part 1 and 2 under STC conditions.
- iii. The net rated and certified capacity of the modules at Standard Testing Conditions (STC) shall have a positive tolerance of $\leq 3\%$. No negative tolerance in the minimum certified module capacity is acceptable.
- iv. All modules shall be certified IEC 61215/ IS14286, IEC 61730 PART 1&2. (Design qualification and type approval for Crystalline Si modules), IEC 61730 (PV module safety qualification)
- v. Minimum certified single unit module capacity shall be 300Wp Crystalline-Si.
- vi. Minimum certified module efficiency shall be 15.75% and fill factor should be more than 75%. The temperature co-efficient of the module shall not be more than 0.45% / °C.
- vii. All photovoltaic modules should carry a performance warranty of >90% during the first 10 years, and >80% during the consecutive 15 years. Further, module shall have performance warranty of > 97.5% during the first year of installation.
- viii. Each module shall have low iron tempered glass front for strength & superior light transmission. It shall also have tough multi-layered polymer back sheet for environmental protection against moisture & provide high voltage electrical insulation.
- ix. Solar module shall be laminated using lamination technology using established polymer (EVA) and Tedlar/Polyester laminate.
- x. SPV module shall have module safety class-II and should be highly reliable, light weight and must have a service life of more than 25 years.
- xi. The SPV module shall be made up of high transitivity glass & front surface shall give high encapsulation gain and the module shall consists of impact resistance, low iron and high transmission toughened glass. The module frame shall be made of corrosion resistant material, which shall be electrically compatible with the structural material used for mounting the modules.
- xii. The SPV modules should have suitable encapsulation and sealing arrangements to protect the silicon cells from environment. The encapsulation arrangement shall ensure complete moisture proofing for the entire life of solar modules.

- xiii. The module frame should have been made of Aluminum or corrosion resistant material, which shall be electrolytic ally compatible with the structural material used for mounting the modules with sufficient no. of grounding/installation.
- xiv. All materials used for manufacturing solar PV module shall have a proven history of reliability and stable operation in external applications. It shall perform satisfactorily in relative humidity up to 100% with temperature between -40°C to +85°C and shall withstand adverse climatic conditions, such as high speed wind, blow with dust, sand particles, saline climatic / soil conditions and for wind 150 km/hr on the surface of the panel.
- xv. The Supplier shall provide to the Purchaser the data sheets of all modules. The exact power of the module shall be indicated if the data sheet consists of a range of modules with varying output power.
- xvi. The Employer or its authorized representative reserves the right to inspect the modules at the manufacturer's site prior to dispatch.
- xvii. Modules only with the same rating and manufacturer shall be connected to any single inverter. Modules there shall compulsorily bear following information in the Name Plate fixed inside module in the manner so as not to cast shadow on the active area and to be clearly visible from the top.
 - Name of the manufacturer of the PV module or Distinctive logo
 - Nominal Wattage \pm 2%.
 - Month & year of the manufacture with origin
 - Unique Serial No. and Model No. of the module.
 - Project Name and year - Rajasthan Solar Pumping Project RACP 2019-20
- xviii. The ID/ RFID must contain all the details of the module and the cell.

2. Motor Pump Set

2.1.1 The SPV water pumping systems may use any of the following types of motor pump sets:

- 1) Submersible motor pump set
- 2) Any other type of motor pump set after approval from Test Centers of the Ministry.

2.1.2 The "Motor Pump Set" should have a capacity in the range of 3 HP or 5 HP as indicated in the Schedule of Requirements and should have the following features:

1. The mono block DC/ AC centrifugal motor pump set has its driving unit and impeller mounted on a common shaft, thereby giving it a perfect alignment. The pump should be provided with specially developed mechanical seals which ensure zero leakage.

2. The motor should have spring loaded carbon brushes in case of D.C. Motor Pump Sets. The suction and delivery head will depend on the site specific condition of the field.
3. The suction/ delivery pipe (GI/HDPE), electric cables, floating assembly, civil work and other fittings required to install the system.
4. All parts of the pump and the motor of the submersible pumps should be made of stainless steel. - The manufacturers of pumps should self-certify that, the pump and all external parts of motor used in submersible pump which are in contact with water, are of stainless steel.
5. The pumps used for solar application should have a 5 years warranty so it is essential that the construction of the pump be made using parts which have a much higher durability and do not need replacement or corrode for at least 5 years.
6. Provision for remote monitoring of the installed pumps must be made in the controllers or the inverters either through an integral arrangement or through an externally fitted arrangement. It should be possible to ascertain the daily water output, the power generated by the PV array, the UP TIME of the pump during the year, Number of days the pump was unused or under breakdown/repairs. Details of RRM is under:

SPV water pumping system shall have online Remote Monitoring Mechanism (RMM) and the SPV water Pump supplier would make provision for monitoring the performance of SPV Water Pump till the warranty period.

The channels for remote communications and other communication device/equipment associated with RMM shall be provided by the SPV Water Pump Supplier.

The RMM should have following features:-Web Portal to view online data such as Voltage, Current, Power, energy generated and pump on/off duration.

Provision for generation of various reports in the printable format.

Data shall be extracted locally and uploaded to the server in the event of loss of communication.

Provision for Data export in standard format.

Historical data made available in server for report generation.

The sample log book deployed for output data and performance of the SPV Water Pump:-

From DD/MM/YY to DD/MM/YY

S. No.	Parameter Name	Unit	Result	Data(DD/MM/YY)
1	Maximum Voltage (Vmax)	Volt		
2	Maximum Current (I Max)	Amp		
3	Power Generated by PV Array (P max)	Watt		
4	Total Water Output	Ltr		
5	Pump on/off			

Note:- It is expected that the software shall be able to show the result of above listed

parameters at a glance/individual as desired for a day/particular period.

Other details

- Display of all firms should be almost uniform for better analysis.
 - Beneficiary details should be incorporated for cross verification.
 - Segregated information of state as a whole and different districts must be available.
 - Figures of total installation, number of working system, numbers of system switched off by beneficiaries and numbers of systems non operative due to fault should be clearly displayed indicated on RM portal.
 - History of individual pump should be available.
 - Segregated information of nonfunctional pumps during last 7 days, 10 days, 15 days, 30 days, 90 days, 180 days.....etc. should be available.
7. Bidder shall provide the Head v/s discharge characteristic curves along with details of Motor-pump set should be provided.
8. Bidder shall provide the Water output figures are on a clear sunny day SPV panel when solar radiation on horizontal surface is: 7.15 KWH/sq.m/day. (as per MNRE guidelines).

The following details should be marked indelibly on the motor pump set

- a) Name of the Manufacturer or Distinctive Logo.
- b) Model Number.
- c) Serial Number.

The approval of outsourced pump would be short listed on the basis of performance data/ specifications submitted by the firm.

2.2 PERFORMANCE SPECIFICATIONS AND REQUIREMENTS (DUTY CYCLE)

Solar PV Water Pumps with PV array capacity in the range of 3 to 5 KWp could be installed on a suitable bore-well, open well, Water Reservoir, Water stream, etc.

Under the “Average Daily Solar Radiation” condition of 7.15 KWh/ sq.m on the surface of PV array (i.e. Coplaner with the PV Modules), the minimum water output from a Solar PV Water Pumping System at different “Total Dynamic Heads” should be as specified below:

2.2.1 For D.C. Motor Pump Set with Brushes or Brush Less D.C. (B.L.D.C.) :

- a) 100 liters of water per watt peak of PV array, from a Total Dynamic Head of 10 metres (Suction head, if applicable, minimum of 7 metres) and with the shut off head being at least 12 metres.

- b) 50 liters of water per watt peak of PV array, from a Total Dynamic Head of 20 metres (Suction head, if applicable, up to a maximum of 7 metres) and with the shut off head being at least 25 metres.
- c) 35 liters of water per watt peak of PV array, from a Total Dynamic Head of 30 metres and the shut off head being at least 45 metres.
- d) 21 liters of water per watt peak of PV array, from a Total Dynamic Head of 50 metres and the shut off head being at least 70 metres.
- e) 14 liters of water per watt peak of PV array, from a Total Dynamic Head of 70 metres and the shut off head being at least 100 metres.

The actual duration of pumping of water on a particular day and the quantity of water pumped could vary depending on the solar intensity, location, season, etc.

2.2.2 For A.C. Induction Motor Pump Set with a suitable Inverter:

- a) 90 liters of water per watt peak of PV array, from a Total Dynamic Head of 10 metres (Suction head, if applicable, minimum of 7 metres) and with the shut off head being at least 12 metres.
- b) 45 liters of water per watt peak of PV array, from a Total Dynamic Head of 20 metres (Suction head, if applicable, up to a maximum of 7 metres) and with the shut off head being at least 25 metres.
- c) 32 liters of water per watt peak of PV array, from a Total Dynamic Head of 30 metres and the shut off head being at least 45 metres.
- d) 19 liters of water per watt peak of PV array, from a Total Dynamic Head of 50 metres and the shut off head being at least 70 metres.
- e) 13 liters of water per watt peak of PV array, from a Total Dynamic Head of 70 metres and the shut off head being at least 100 metres.

The actual duration of pumping of water on a particular day and the quantity of water pumped could vary depending on the solar intensity, location, season, etc.

3. MOUNTING STRUCTURES

The PV modules should be mounted on metallic structures of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour. The support structure used in the pumping system should be hot dip galvanized iron with minimum 80 micron thickness.

To enhance the performance of SPV water pumping systems, manual or passive or auto tracking system must be used. For manual tracking, arrangement for seasonal tilt angle adjustment and three times manual tracking in a day should be provided.

The structure design (along with the civil work) declared by the manufacturer should technically be full proof/ sufficiently strong against the prevailing wind load. The

manufacturing firm will be fully responsible for any damages caused by high wind velocity within warranty period. Structural design and drawing should be duly approved/ recognized by chartered engineer. The parameters of prevailing wind speed, soil conditions, load, and upward lift should be taken care of while preparing the design and the same is required to be mentioned on design. Static structures may also be provided to specific conditions and the demand of beneficiary.

However, manufacturer/ supplier shall ensure that mounting structure is efficient, strong enough to sustain load and is capable against high wind velocity.

The bidder will have to design, provide detail drawing and propose to deploy the most suited mounting structures to face the sun optimally.

The PV modules will be mounted on metallic structures of sufficient strength, which can withstand load of modules and high wind velocities up to 150 km per hour. The support structure to be used in the system shall be of hot dip galvanized iron (G.I) of min. 80 micron thickness.

The structure design should be of fixed tilt, facing towards true south. The minimum thickness of the structure member should not be less than 2.5 mm.

Facilities to be provided in the structure:

The controlling units /VFD and data loggers should be in an IP 21 protected enclosure.

All nuts and bolts should be of BIS specification and should be corrosion free.

The structure should be designed to allow easy replacement of any Module but should not be easily accessible to children.

The array structure shall be so designed that it will occupy minimum space without sacrificing the output from the SPV panels.

The structure should be mounted in a shadow free area for getting maximum yield of the system. There should not be any tree or any other object casting shadow on the solar panels during the day.

4. ELECTRONICS AND PROTECTIONS

4.1

4.1.1 Maximum Power Point Tracker (MPPT) should be included to optimally use the Solar panel and maximize the water discharge.

4.1.2 Inverter could be used, if required, to operate an A.C. Pump. The inverter must have IP 54 protection or must be housed in a cabinet having at least IP 54 protection.

4.1.3 Controller for BLDC motor driven pumps, if required be used. The controller must have IP 54 protection or must be housed in a cabinet having at least IP 54 protection.

4.1.4 Adequate protections should be incorporated against dry operation of motor pump

- set, **lightning**, hails and storms.
- 4.2 Full protection against open circuit, accidental short circuit and reverse polarity should be provided.
 - 4.3 The system shall have protections against dry operation of motor pump set, sudden changes of condition and low power.
 - 4.4 The system shall have full protection against open circuit, accidental short circuit, under voltage, over voltage and reverse polarity.
 - 4.5 The Inverter/VFD should be mounted in lock and Key box mounted on the MS structure of the modules.
 - 4.6 The inverter/VFD drive should have a provision of single phase and three phase power output so that in the event of

5. OTHER ASSESSORIES

The suction/ delivery pipe (ISI: GI/HDPE), electric cables (specification should be declared as per requirement of model), floating assembly (HDPE in case of surface/ open water bodies), civil work (As per civil design against wind load protection) and other fittings required to install the system. The supplier should also submit an additional provision of one light outlet in the system. The firm is required to provide the maintenance manual to the beneficiaries. One Home lighting system will be the integral part system in the same assistance level. The firm will declare overall efficiency of the system.

Supplier will have to provide fencing of the solar system to ensure the security and safety with following specification :- (Angle iron (with red oxide and Black paint coating) 35x35x5mm Distance between two polls 2.5 mtr. with corner angle iron support. Fencing height – 5ft. Gate size – 3x5 ft. (with lock provision) Foundation of cement & concrete (1x1x1.5ft)

Set back (from module last point) (1 mtr. North, 2 mtr. South, 2 mtr. East – West))
Thickness (2mm) Mesh wire or 16 gauge thickness barbed wire.

ON/OFF SWITCH

A good reliable switch suitable for DC / AC use is to be provided with the motor pump set. Sufficient length of cable should be provided for inter-connection between the PV array and the motor pump set.

6. JUNCTION BOXES (AC / DC)

- i. All junction/ combiner boxes if are required to be used including the module junction box, string junction box, array junction box and main junction box should be

- equipped with appropriate functionality, safety (including fuses, grounding, etc.), string monitoring capabilities, and protection.
- ii. The terminals will be connected to copper bus-bar arrangement of proper sizes to be provided. The junction boxes will have suitable cable entry points fitted with cable glands of appropriate sizes for both incoming and outgoing cables. Suitable markings shall be provided on the bus-bars for easy identification and cable ferrules will be fitted at the cable termination points for identification.
 - iii. It will also have suitable surge protection. The Junction Boxes shall have suitable arrangement for the followings:
 - Combine groups of modules into independent charging sub-arrays that will be wired into the controller.
 - Provide arrangement for disconnection for each of the groups. Provide a test point for each sub-group for quick fault location.
 - To provide group array isolation.
 - iv. The current carrying rating of the Junction Boxes shall be suitable with adequate safety factor to inter connect the Solar PV array.
 - v. The junction boxes shall be dust, vermin, and waterproof and made of thermoplastic/ metallic in compliance with IEC 62208, which should be sunlight/ UV resistive as well as fire retardant & must have minimum protection to IP 65(Outdoor)/ IP 21(indoor) and Protection Class II.
 - vi. In addition, over voltage protection shall be provided between positive and negative conductor and earth ground such as Metal Oxide Variaster (MOV).
 - vii. The bypass & reverse blocking diodes should work for temperature extremes and should have efficiency of 99.98%, confirmed by appropriate IEC standards.
 - viii. Adequate capacity solar DC fuses & isolating miniature circuit breakers should be provided if required.
 - ix. Detailed junction box specifications and data sheet shall be provided in the Bid document.

Minimal Technical Requirements/Standards for off-grid/Stand-Alone solar photovoltaic (PV) power plants/systems to be deployed under the National Solar Mission (as per MNRE ordered dated 16.06.10)

Item/component	Applicable IEC/equivalent BIS Standard	
	Standard Description	Standard Number
PV Modules: Crystalline Silicon Terrestrial PV	Must conform to the latest edition of IEC/equivalent BIS Standards for module design qualification and	IEC 61215/IS14286 IEC 61730 Part 1 & 2
Power Conditioners/Inverters*	Efficiency Measurements Environmental Testing	IEC 61683 IS 16221 Pt. I and II IEC 60068

Charge controller/MPPT Units*	Design Qualification Environmental Testing	IEC 61093 IEC 60068
Storage Batteries	General Requirements & Methods of Test Tubular Lead Acid	IEC 61427 IS 1651/IS 133369/IS 16270
Cables	General Test and Measuring Methods PVC insulated cables for working Voltages up to and including 1100 V- Do, UV	IEC 60189 IS 694/ IS 1554 IS/IEC 69947
Switches/ Circuit Breakers/Connect	General Requirements Connectors-safety	IS/IEC 60947 part I,II,III
Junction Boxes/Enclosure	General Requirements	IP 65 (for outdoor)/IP 21 (for indoor) IEC 62208
SVP System Design	PV Stand-alone System design verification	IEC 62124
Installation Practices	Electrical installation of buildings Requirements for SPV power supply systems.	IEC 60364-7-712

*Must additionally conform to the relevant national/international Electrical Safety Standards.

** Also refer Addendum No. 32/49/2010-11-PVSE dated 19.08.2010

Testing and standards should be as per Jawahar Lal Nehru National Solar Mission/ MNRE norms 2015-16 (Please see URL http://mnre.gov.in/file-manager/UserFiles/technical-specification_spwps_2013_14.pdf). The supplier is supposed to produce I V curve for every panel at the time of billing/ supply for pre-dispatch/ after supply random testing.

Indicative Technical Specifications

Description	With D.C. Motor Pump Set with Brushes or Brush Less D.C. (B.L.D.C.)			With A.C. Induction Motor Pump Set and a suitable Inverter:		
	Shallow Well (Surface) Solar Pumping Systems	Solar Deep well (submersible) Pumping Systems		Shallow well (Surface) Solar Pumping Systems	Solar Deep well (submersible) Pumping Systems	
	Model-III	Model III	Model VI	Model-IV	Model IV	Model VI

PV array	2700 Wp	3000 Wp	4800 Wp	2700 Wp	3000 Wp	4800 Wp
Motor capacity /Motor pump set type	3 HP	Submersible with electronic controller	Submersible with electronic controller	3 HP	Submersible with electronic controller	Submersible with electronic controller
Shut Off Dynamic Head /max.	25metres	45 Metres	70 Metres	25metres	75 Metres	70 Metres
Module mounting structure	MS hot dipped galvanized, at least three times manual tracking facilities	MS hot dipped galvanized, three times manual tracking facilities	MS hot dipped galvanized, three times manual tracking facilities	MS hot dipped galvanized, at least three times manual tracking facilities	MS hot dipped galvanized, three times manual tracking facilities	MS hot dipped galvanized, three times manual tracking facilities
Water Output*	135,000 litres per day from a total head of 20 metres	105,000 litres per day from a total head of 50 metres	1,00,800 litres per day from a total head of 50 metres	121,500 litres per day from a total head of 20 metres	57,000 litres per day from a total head of 50 metres	91,200 litres per day from a total head of 50 metres

*. Water output figures are on a clear sunny day with three times tracking of SPV panel under the “Average Daily Solar Radiation” condition of 7.15 KWh/ sq.m on the surface of PV array

General Terms & Condition:

1. General

- 1.1 Scope of the Contract includes Engineering, Procurement and Construction (EPC), supply and commissioning of solar photovoltaic (SPV) water pumping system with required quantity at suggested locations on turn-key basis with warranty of the SPV.
- 1.2 As specified in SCC Section, Supplier shall provide after sales services of the SPV water pumps supplied by it during 5 years’ warranty period reckoned from the date of issue of respective completion certificates by the competent Authority.
- 1.3 The supplier is required to provide Warranty Card to individual beneficiaries.

2. Civil Work

Civil works consists of any information, which is required for system design over and above minimum technical / design requirements; to design, fabricate, supply, and installation of

module mounting structures, poles, screws, nuts, bolts and other metal hardware; civil footings / foundations of appropriate and anchoring of fixed tilt module mounting structure / poles etc.

3. Electrical Work

Electrical work consists of supply and installation of solar PV modules, junction boxes, hybrid inverters, batteries (for auto-tracker and domestic lighting system) etc.; interconnection of facility through wires, cables, bus bars, etc.; supply and installation of earthing, grounding, lightning protection equipment's; comprehensive testing of all equipment's and system and commissioning; human safety and protection equipment including danger signs etc. All designs, specifications, reports etc. submitted or used by the Supplier at any point in time shall first be approved by the Purchaser and revised by the Purchaser, if required, prior to execution.

4. Standards and Regulations

All the equipment's, works etc. shall be as per latest relevant standards laid by relevant IEC / IS standards unless otherwise specified. All construction, operation and maintenance procedures shall be carried out through appropriate relevant standards, regulations laid by MNRE and / or any other agency as and when applicable. Further, this shall comply with the applicable labour laws and take necessary safety measures during construction, and commissioning period. The Supplier shall make itself aware of such requirements and shall not solely depend on the Purchaser to avail full information.

5. Planning and Designing

The Supplier shall plan and design for the electrical / mechanical / civil / thermal requirements including but not limited to system design and configuration, space optimization, selection of equipment and items, etc. All designs & drawings have to be developed based on the governing standards and requirements of the project and also keeping in mind minimum performance guarantees / service life of the product being prescribed in relevant sections of this tender. The Purchaser may approve minor deviations in the same which are meant for increasing quality of SPV water pump without sacrificing quality / workmanship norms.

6. Final Commissioning and Acceptance

6.1 The General Scope of Work includes commissioning of the different SPV water pump corresponding to the guaranteed performance. Supplier shall maintain the facility for the specified period of guaranteed performance of the respective SPV water pump. Inspection and successful commissioning certificate from the beneficiary and

- ✓ Satisfactory completion certificate towards completion of all other contractual obligations by the Supplier from the Purchaser in the physical verification format.

6.2 Testing Equipments: Supplier shall provide sufficient no. of calibrated test instruments / sensors / dataloggers / cables and other accessories / power connection etc. for testing / demonstration of guaranteed performance of the respective SPV water pump to the Consultant / representative of the Purchaser.

7. Training of Beneficiary towards operation and maintenance of the respective SPV water pump

Supplier shall also develop detailed operation manual and training material (including sufficient no. of printed booklets, CDs etc.) in local/Hindi language. The same shall be first submitted to Purchaser for review and approval. Once the document is approved, Supplier shall immediately provide training to the concerned beneficiaries. Supplier shall provide training on-site or shall organize at centralized location. Purchaser reserves right to inspect the quality and content of the training program and Supplier shall be obliged to make necessary changes in the quality of the material being delivered or the trainer.

8. Other Terms & Conditions

- 8.1. The crucial aspect of supply and commissioning of solar pump system is the quality of the hardware delivered to the farmer. Poor quality has an adverse impact on performance of the system.
- 8.2. In case of detection of failures or supply of poor sub-standard quality material, the Supplier will be issued warning for the first incidence. In case of subsequent failures, Purchaser will take remedial measures under the Contract.
- 8.3. In order to ensure supply of BIS quality materials to the farmers', the manufacturers who are intended to participate in RACP should manufacture only such components which have BIS certification.
- 8.4. The Supplier/manufacturers should have network for providing after sales service in their areas of operation. Operation and Maintenance of the system, though simple, requires training for maintenance, in the initial stage. Therefore the manufacturers, should provide detailed operational and maintenance manuals in the vernacular language at the time of installation of the system. The beneficiaries should be advised to follow the instructions provided by the manufacturers for the operation and maintenance of systems.
- 8.5. Service Centre's and / or Offices of solar pump system manufacturers should have facilities to provide technical guidance on system maintenance schedules, supply spare parts and ensure satisfactory performance of the system during the warranty period. List of service centers / offices with full address / telephone numbers / e-mail should be widely published.
- 8.6. The manufacturer should take the responsibility for any disputes arising from the supply of their product through their agents.
- 8.7. The manufacturers have to produce their Internal Quality Assurance and Quality Control (QAQC) plan, details of manufacturing process and manufacturing plant & machinery, testing procedures of inputs & manufacturing process, Quality audit system and Internal

Quality Assurance and Quality Control Manual.

- 8.8. The supplier company shall arrange inspection of the solar pump unit once in each quarter April-June, July-Sept, Oct-Dec and Jan-March up to the last quarter in which Warranty Period expires and report to the district unit of Horticulture Department/RACPMIS, Jaipur. In addition to the above the supplier company will submit a maintenance plan.
- 8.9. Complaints about fault (s) received by dak, telephone, fax, email or whatever communication method shall be attended within three working days by site visit etc.
- 8.10. The Supplier is expected to stock adequate spare parts so that unit becomes operational within 07 days of complaint.
- 8.11. The manufacturing units have to produce the ISO 9000/ 9001 certificate.

Note: Any civil / electrical / other work, which is not mentioned or included in this tender document but necessary for completion of the trouble free operation of respective SPV water pump shall be part of the scope of work by the Supplier.

9. Procedure for execution of work

- 9.1 Selection of beneficiaries by the district unit (Assistant/ Deputy Director Horticulture) as per targets.
- 9.2 Survey and technical design by the supplier firm and submission of technical data, design and quotation to concerned district unit.
- 9.3 Issuance of administrative sanction by district unit.
- 9.4 Collection of farmers' contribution (30%) by concerned firm.
- 9.5 Issuance of work order by the district unit.
- 9.6 Supply of material by the supplier firm and information to the concerned district unit within 30 days of work order.
- 9.7 Material verification by district unit and payment of 20% amount if supply is as per requirement.
- 9.8 Installation and commissioning of the system within 20 days of supply by firm d information to the district unit.
- 9.9 Final verification and release of rest payment.

Sr. No.	Name of the Item	Required Specifications as per the Bid Document
1	Solar PV Array	<ol style="list-style-type: none"> 1. Polycrystalline / Monocrystalline Si Solar PV Modules. 2. IEC standard: IEC61215/ IS14286, IEC 61730 Pt. 1 & 2 under STC conditions. 3. The net rated and certified capacity of the modules at STC: positive tolerance of $\leq 3\%$. 4. Minimum certified single unit module capacity: 300 Wp Crystalline-Si. 5. Minimum certified module efficiency: 15.75% 6. Fill factor: more than 75%. 7. The temperature co-efficient of the module: not be more than 0.450% / °C.

Sr. No.	Name of the Item	Required Specifications as per the Bid Document																										
		<ol style="list-style-type: none"> 8. PV modules performance warranty of > 97.5% during the first year, >90% during the first 10 years, and >80% during the consecutive 15 years of installation. 9. SPV module with safety class-II, highly reliable, light weight and service life of more than 25 years. 10. The SPV module with high transmittivity glass, front surface with high encapsulation gain 11. The module frame: made of corrosion resistant material and electrically compatible 12. The SPV modules: suitable encapsulation and sealing arrangements. 13. Modules should bear desired information in the Name Plate fixed inside 14. The ID/ RFID must contain all the details of the module and the cell. 																										
2	Motor Pump Set	<ol style="list-style-type: none"> 1. May be submersible or any other approved from Test Centres of the MNRE. 2. Capacity range of 3 - 5 HP. 3. Desired marking indelibly on the motor pump set. 4. The minimum water output <table border="1" data-bbox="500 1045 1089 1392"> <thead> <tr> <th data-bbox="500 1045 613 1192" rowspan="2">Sr. No.</th> <th data-bbox="613 1045 792 1192" rowspan="2">Head Dynamic/ Shut off (mtr)</th> <th colspan="2" data-bbox="792 1045 1089 1087">Discharge (Ltr/ Wp)</th> </tr> <tr> <th data-bbox="792 1087 938 1192">DC pumps</th> <th data-bbox="938 1087 1089 1192">AC pumps</th> </tr> </thead> <tbody> <tr> <td data-bbox="500 1192 613 1234">1</td> <td data-bbox="613 1192 792 1234">10/12</td> <td data-bbox="792 1192 938 1234">100</td> <td data-bbox="938 1192 1089 1234">90</td> </tr> <tr> <td data-bbox="500 1234 613 1276">2</td> <td data-bbox="613 1234 792 1276">20/25</td> <td data-bbox="792 1234 938 1276">55</td> <td data-bbox="938 1234 1089 1276">50</td> </tr> <tr> <td data-bbox="500 1276 613 1318">3</td> <td data-bbox="613 1276 792 1318">30/45</td> <td data-bbox="792 1276 938 1318">35</td> <td data-bbox="938 1276 1089 1318">32</td> </tr> <tr> <td data-bbox="500 1318 613 1360">4</td> <td data-bbox="613 1318 792 1360">50/70</td> <td data-bbox="792 1318 938 1360">21</td> <td data-bbox="938 1318 1089 1360">19</td> </tr> <tr> <td data-bbox="500 1360 613 1392">5</td> <td data-bbox="613 1360 792 1392">70/100</td> <td data-bbox="792 1360 938 1392">14</td> <td data-bbox="938 1360 1089 1392">13</td> </tr> </tbody> </table>	Sr. No.	Head Dynamic/ Shut off (mtr)	Discharge (Ltr/ Wp)		DC pumps	AC pumps	1	10/12	100	90	2	20/25	55	50	3	30/45	35	32	4	50/70	21	19	5	70/100	14	13
Sr. No.	Head Dynamic/ Shut off (mtr)	Discharge (Ltr/ Wp)																										
		DC pumps	AC pumps																									
1	10/12	100	90																									
2	20/25	55	50																									
3	30/45	35	32																									
4	50/70	21	19																									
5	70/100	14	13																									
3	Mounting Structure	<ol style="list-style-type: none"> 1. Withstand load of high wind velocities up to 150 km per hour. 2. Hot dip galvanized iron with minimum 80 micron thickness. 3. Structural design and drawing should be duly approved/ recognized by any Engineering Institute. 																										
4	Tracking System	<ol style="list-style-type: none"> 1. Static or manual or auto tracking structures to be provided. 																										
5	Electronics and Protections	<ol style="list-style-type: none"> 1. Maximum Power Point Tracker (MPPT) to be included. 2. The inverter and controller must be housed in a cabinet having at least IP 54 protection. 3. Adequate protections should be incorporated against dry operation of motor pump set, lightning, hails and storms. 4. Overall efficiency of the system to be declared. 																										

Sr. No.	Name of the Item	Required Specifications as per the Bid Document
		<ol style="list-style-type: none"> 5. Full protection against open circuit, accidental short circuit and reverse polarity should be provided. 6. Supply and installation of earthing, grounding, lightening protection equipment's. 7. Comprehensive testing of all equipment's and system and commissioning; human safety and protection equipment including danger signs etc.
6	Junction Boxes	<ol style="list-style-type: none"> 1. Junction box to be equipped with appropriate functionality, safety (including fuses, grounding, etc.), string monitoring capabilities, and protection. 2. The terminals will be connected to copper bus-bar arrangement of proper sizes, suitable cable entry points fitted with cable glands, Suitable markings shall be provided on the bus-bars. 3. It will also have suitable surge protection. 4. The current carrying rating of the Junction Boxes shall be suitable with adequate safety factor to inter connect the Solar PV array. 5. The junction boxes shall be dust, vermin, and waterproof and made of thermoplastic/ metallic in compliance with IEC 62208, which should be sunlight/ UV resistive as well as fire retardant & must have minimum protection to IP 65 / IP 21 and Protection Class II. 6. Over voltage protection to be provided 7. The bypass & reverse blocking diodes should work for temperature extremes and should have efficiency of 99.98%, confirmed by appropriate IEC standards.
7	Domestic light system	37 Wp/ 40 AH Battery/ 9 W x 2 fixture
8	Civil Work/ design	<ol style="list-style-type: none"> 1. System design over and above minimum technical / design requirements. 2. Set back (from module last point) (1 mtr. North, 2 mtr. South, 2 mtr. East – West)) Thickness (2mm) Mesh wire or 16 gauge thickness barbed wire. 3. Smooth workmanship with inclusion of material as per prescribed design. 4. Civil work as per civil design against wind load protection.
9	Fencing	<ol style="list-style-type: none"> 1. Angle iron (with red oxide and Black paint coating) 35x 35x 5 mm 2. Distance between two polls 2.5 mtr. with corner angle iron support. 3. Fencing height – 5ft. Gate size – 2.5x5 ft. (with lock provision) 4. Foundation of cement & concrete (1x1x1.5ft)
10	Accessories	<ol style="list-style-type: none"> 1. The suction/ delivery pipe (ISI: GI/HDPE)

Sr. No.	Name of the Item	Required Specifications as per the Bid Document
		2. Electric cables (specification should be declared as per requirement of model) 3. Floating assembly (HDPE in case of surface/ open water bodies)

The Bidder has to prepare a comparison sheet as below which shall be submitted with the Bid.

Sr. No.	Name of the Item	Required Specifications as per the Bid Document	Bidder's Offered Specifications	Remarks/ Deviations, if any
1	Solar PV Array	1. Polycrystalline / Monocrystalline Si Solar PV Modules. 2. IEC standard: IEC61215/ IS14286, IEC 61730 Pt. 1 & 2 under STC conditions. 3. The net rated and certified capacity of the modules at STC: positive tolerance of $\leq 3\%$. 4. Minimum certified single unit module capacity: 300 Wp Crystalline-Si. 5. Minimum certified module efficiency: 14% 6. Fill factor: more than 70%. 7. The temperature co-efficient of the module: not be more than 0.450% / °C. 8. PV modules performance warranty of > 97.5% during the first year, >90% during the first 10 years, and >80% during the consecutive 15 years of installation. 9. SPV module with safety class-II, highly reliable, light weight and service life of more than 25 years. 10. The SPV module with high transmittivity glass, front surface with high encapsulation gain 11. The module frame: made of corrosion resistant material and electrically compatible		

Sr. No.	Name of the Item	Required Specifications as per the Bid Document	Bidder's Offered Specifications	Remarks/ Deviations, if any																												
		12. The SPV modules: suitable encapsulation and sealing arrangements. 13. Modules should bear desired information in the Name Plate fixed inside 14. The ID/ RFID must contain all the details of the module and the cell.																														
2	Motor Pump Set	1. May be submersible or any other approved from Test Centres of the MNRE. 2. Capacity range of 3 - 5 HP. 3. Desired marking indelibly on the motor pump set. 4. The minimum water output <table border="1" data-bbox="516 930 1109 1251"> <thead> <tr> <th data-bbox="516 930 634 1066">Sr. No.</th> <th data-bbox="634 930 808 1066">Head Dynamic/ Shut off (mtr)</th> <th colspan="2" data-bbox="808 930 1109 968">Discharge (Ltr/ Wp)</th> </tr> <tr> <td></td> <td></td> <th data-bbox="808 968 963 1066">DC pumps</th> <th data-bbox="963 968 1109 1066">AC pumps</th> </tr> </thead> <tbody> <tr> <td data-bbox="516 1066 634 1104">1</td> <td data-bbox="634 1066 808 1104">10/12</td> <td data-bbox="808 1066 963 1104">100</td> <td data-bbox="963 1066 1109 1104">90</td> </tr> <tr> <td data-bbox="516 1104 634 1142">2</td> <td data-bbox="634 1104 808 1142">20/25</td> <td data-bbox="808 1104 963 1142">55</td> <td data-bbox="963 1104 1109 1142">50</td> </tr> <tr> <td data-bbox="516 1142 634 1180">3</td> <td data-bbox="634 1142 808 1180">30/45</td> <td data-bbox="808 1142 963 1180">35</td> <td data-bbox="963 1142 1109 1180">32</td> </tr> <tr> <td data-bbox="516 1180 634 1218">4</td> <td data-bbox="634 1180 808 1218">50/70</td> <td data-bbox="808 1180 963 1218">21</td> <td data-bbox="963 1180 1109 1218">19</td> </tr> <tr> <td data-bbox="516 1218 634 1251">5</td> <td data-bbox="634 1218 808 1251">70/100</td> <td data-bbox="808 1218 963 1251">14</td> <td data-bbox="963 1218 1109 1251">13</td> </tr> </tbody> </table>	Sr. No.	Head Dynamic/ Shut off (mtr)	Discharge (Ltr/ Wp)				DC pumps	AC pumps	1	10/12	100	90	2	20/25	55	50	3	30/45	35	32	4	50/70	21	19	5	70/100	14	13		
Sr. No.	Head Dynamic/ Shut off (mtr)	Discharge (Ltr/ Wp)																														
		DC pumps	AC pumps																													
1	10/12	100	90																													
2	20/25	55	50																													
3	30/45	35	32																													
4	50/70	21	19																													
5	70/100	14	13																													
3	Mounting Structure	1. Withstand load of high wind velocities up to 150 km per hour. 2. Hot dip galvanized iron with minimum 80 micron thickness. 3. Structural design and drawing should be duly approved/ recognized by any Engineering Institute.																														
4	Tracking System	1. Static or manual or auto tracking structures to be provided.																														
5	Electronics and Protections	1. Maximum Power Point Tracker (MPPT) to be included. 2. The inverter and controller must be housed in a cabinet having at least IP 54 protection. 3. Adequate protections should be incorporated against dry operation of																														

Sr. No.	Name of the Item	Required Specifications as per the Bid Document	Bidder's Offered Specifications	Remarks/ Deviations, if any
		<p>motor pump set, lightning, hails and storms.</p> <ol style="list-style-type: none"> 4. Overall efficiency of the system to be declared. 5. Full protection against open circuit, accidental short circuit and reverse polarity should be provided. 6. Supply and installation of earthing, grounding, lightening protection equipment's. 7. Comprehensive testing of all equipment's and system and commissioning; human safety and protection equipment including danger signs etc. 		
6	Junction Boxes	<ol style="list-style-type: none"> 1. Junction box to be equipped with appropriate functionality, safety (including fuses, grounding, etc.), string monitoring capabilities, and protection. 2. The terminals will be connected to copper bus-bar arrangement of proper sizes, suitable cable entry points fitted with cable glands, Suitable markings shall be provided on the bus-bars. 3. It will also have suitable surge protection. 4. The current carrying rating of the Junction Boxes shall be suitable with adequate safety factor to inter connect the Solar PV array. 5. The junction boxes shall be dust, vermin, and waterproof and made of thermoplastic/ metallic in compliance with IEC 62208, which should be sunlight/ UV resistive as well as fire retardant & must have minimum protection to IP 65 / IP 21 and Protection Class II. 6. Over voltage protection to be provided 7. The bypass & reverse blocking diodes should work for temperature extremes and should have efficiency of 99.98%, 		

Sr. No.	Name of the Item	Required Specifications as per the Bid Document	Bidder's Offered Specifications	Remarks/ Deviations, if any
		confirmed by appropriate IEC standards.		
7	Domestic light system	37 Wp/ 40 AH Battery/ 9 W x 2 fixture		
8	Civil Work/ design	<ol style="list-style-type: none"> 1. System design over and above minimum technical / design requirements. 2. Set back (from module last point) (1 mtr. North, 2 mtr. South, 2 mtr. East – West)) Thickness (2mm) Mesh wire or 16 gauge thickness barbed wire. 3. Smooth workmanship with inclusion of material as per prescribed design. 4. Civil work as per civil design against wind load protection. 		
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10	Accessories	<ol style="list-style-type: none"> 1. The suction/ delivery pipe (ISI: GI/HDPE) 2. Electric cables (specification should be declared as per requirement of model) 3. Floating assembly (HDPE in case of surface/ open water bodies) 		

3. DRAWINGS- N/A

4. INSPECTIONS AND TESTS

The following inspections and tests shall be performed:

- (a) The Purchaser will test the equipment after completion of the installation and commissioning at the site. For site preparation, the Supplier should furnish all details to the Purchaser sufficiently in advance so as to get the works completed well in time. Complete equipment should be supplied, installed and commissioned properly by the supplier prior to commencement of performance tests.
- (b) The acceptance test will be conducted by a Committee constituted by the PMU\PIU/ PIA, RACP, and the Committee shall inspect and make recommendations for acceptance of goods & related services offered by the supplier.
- (c) Frequent surveillance by inspection teams comprising officials from RACP/ designated agency by RACP may be a regular feature under the Project. They may draw random samples periodically from the field, within a period of five years from the date of installation of the system. At the time of inspection, the system should be fully functional.
- (d) Manufacturing unit (factory) may be inspected before agreement or as and when RACP authorities feels necessary to ensure the performance and quality of the product. Any official nominated by the PD, RACP, will do inspection. Pre Dispatch Inspection (PDI) may be made by the PMU authorised officers for the supplies. The supplier will inform the tentative date of supply along with the details of the material and accordingly PDI may be made before the dispatch of material. Authorizes service centres may also be inspected as and when required
- (e) A random sampling from the manufacturing unit or go-down of authorized distributor/ dealer will, as and when required, be performed to ascertain the quality of supplies. Provision of third party inspection from any authentic agency will also be kept so as to take samples and the testing done from a reputed test house for the same purpose.

**5. PROFORMA OF CERTIFICATE FOR ISSUE BY THE
PURCHASER AFTER
SUCCESSFUL INSTALLATION AND STARTUP OF THE
SUPPLIED GOODS**

[This is to be attached for supply, erection, supervision of erection and startup contracts only]

No.

Date:

M/s.

Sub: Certificate of startup of the supplied Goods

1. This is to certify that the plant/s as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para No. 2) and a set of spares in accordance with the Contract/Specifications. The same has been installed and commissioned.

(a) Contract No. _____ dated _____

(b) Description of the plant _____

(c) Plant Nos. _____

(d) Quantity _____

(e) Rail/Roadways Receipt No. _____ dated _____

(f) Name of the consignee _____

(g) Date of startup and proving test _____

2. Details of accessories/spares not yet supplied and recoveries to be made on that account.

<u>S. No.</u>	<u>Description</u>	<u>Amount to be recovered</u>
---------------	--------------------	-------------------------------

3. The proving test has been done to our entire satisfaction and operators have been trained to operate the plant.

4. The supplier has fulfilled his contractual obligations satisfactorily. *

or

The supplier has failed to fulfill his contractual obligations with regard to the following:

- (a)
 - (b)
 - (c)
 - (d)
5. The amount of recovery on account of non-supply of accessories and spares is given under Para No. 2.
6. The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated in endorsement of the letter.

Signature _____

Name _____

Designation with Stamp _____

* Explanatory notes for filling up the certificates:

- (a) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to Technical Specifications.
- (b) He has supervised the startup of the plant in time i.e., within the period specified in the contract from the date of intimation by the Purchaser in respect of the installation of the plant.
- (c) Training of personnel has been done by the supplier as specified in the contract
- (d) In the event of documents/drawings having not been supplied or installation and startup of the plant have been delayed on account of the supplier, the extent of delay should always be mentioned.

PART 3 – CONTRACT

SECTION VIII – GENERAL CONDITIONS OF CONTRACT

Section VIII. General Conditions of Contract

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Section VIII. General Conditions of Contract

1. Definitions

The following words and expressions shall have the meanings hereby assigned to them:

- (a) “Bank” means the World Bank and refers to the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).
- (b) “Contract” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (c) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
- (d) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (e) “Day” means calendar day.
- (f) “Completion” means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (g) “GCC” mean the General Conditions of Contract.
- (h) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (i) “Purchaser’s Country” is India.
- (j) “Purchaser” means the entity purchasing the Goods and Related Services, as specified in the **SCC**.
- (k) “Related Services” means the services incidental to the supply of the goods, such as insurance, installation, start-up, training and initial maintenance and other such obligations of the Supplier under the Contract.

- (l) “SCC” means the Special Conditions of Contract.
- (m) “Subcontractor” means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- (n) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (o) “The Project Site,” where applicable, means the place named in the **SCC**.

2. Contract Documents

2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

3. Corrupt & Fraudulent Practices

3.1 The Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Appendix to the GCC.

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

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa.

4.2 Incoterms

(a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.

(b) The terms EXW and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the **SCC** and published by the International Chamber of Commerce in Paris, France.

4.3 Entire Agreement

The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

4.4 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.5 Non waiver

- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be English. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- 5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Deleted

- 7. Eligibility**
- 7.1 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.
- 7.2 All Goods and Related Services to be supplied under the Contract and financed by the Bank shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
- 8. Notices**
- 8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the **SCC**. The term “in writing” means communicated in written form with proof of receipt.
- 8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.
- 9. Governing Law**
- 9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Union of India.
- 10. Settlement of Disputes**
- 10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.
- 10.3 Notwithstanding any reference to arbitration herein,

- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
 - (b) the Purchaser shall pay the Supplier any monies due the Supplier.
- 11. Inspections and Audit by the Bank**
- 11.1 The Supplier shall keep, and shall make all reasonable efforts to cause its Subcontractors to keep, accurate and systematic accounts and records in respect of the Goods in such form and details as will clearly identify relevant time changes and costs
 - 11.2 The Supplier shall permit, and shall cause its Subcontractors to permit, the Bank and/or persons appointed by the Bank to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Bank if requested by the Bank. The Supplier's and its Subcontractors and consultants' attention is drawn to Clause 3 [Fraud and Corruption], which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under this Sub-Clause 11.1 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures)
- 12. Scope of Supply**
- 12.1 The Goods and Related Services to be supplied shall be as specified in the **Special Condition of Contract**.
- 13. Delivery and Documents**
- 13.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC**.
- 14. Supplier's Responsibilities**
- 14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.
- 15. Contract Price**
- 15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the **SCC**.
- 16. Terms of Payment**
- 16.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the **SCC**.

- 16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfillment of all other obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.
- 16.4 The payments shall be made in Indian Rupees to the Supplier under this Contract.
- 16.5 In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC**, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the **SCC**, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.

17. Taxes and Duties

- 17.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

18. Performance Security

- 18.1 If required as specified in the **SCC**, the Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.
- 18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3 As specified in the **SCC**, the Performance Security shall be denominated in the Indian Rupees, and shall be in the format stipulated by the Purchaser in the **SCC**, or in another format acceptable to the Purchaser.
- 18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.

19. Copyright

- 19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by

the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party

20. Confidential Information

20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.

20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.

20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:

- (a) the Purchaser or Supplier need to share with the Bank or other institutions participating in the financing of the Contract;
- (b) now or hereafter enters the public domain through no fault of that party;
- (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
- (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the

parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

21. Subcontracting

21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.

21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

22. Specifications and Standards

22.1 Technical Specifications and Drawings

(a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VII, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.

(b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.

(c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.

23. Packing and Documents

23.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

- 23.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the **SCC**, and in any other instructions ordered by the Purchaser.
- 24. Insurance** 24.1 Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the **SCC**.
- 25. Transportation & Incidental Services** 25.1 Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 25.2 The Supplier may be required to provide any or all of the following services, including additional services, if any, **specified in Schedule of Requirements and SCC**:
- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
 - (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
 - (e) training of the Purchaser’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods
- 25.3 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services
- 26. Inspections and Tests** 26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **SCC**.
- 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at

the Goods' final destination, or in another place in the Purchaser's Country as specified in the **SCC**. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

- 26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
- 26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 26.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.
- 26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report

pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those **SCC**. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.

28. Warranty

28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

28.2 Subject to GCC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.

28.3 Unless otherwise specified in the **SCC**, the warranty shall remain valid for Sixty (60) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the **SCC**, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.

28.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

28.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **SCC**, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and

without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

**29. Patent
Indemnity**

29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.

29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

29.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims,

demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

30. Limitation of Liability

- 30.1 Except in cases of criminal negligence or willful misconduct,
- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
 - (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement

31. Change in Laws and Regulations

- 31.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in India, where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.

32. Force Majeure

- 32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to

perform its obligations under the Contract is the result of an event of Force Majeure.

32.2 For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**33. Change Orders
and Contract
Amendments**

33.1 The Purchaser may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and
- (d) the Related Services to be provided by the Supplier.

33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier’s performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier’s receipt of the Purchaser’s change order.

33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall

not exceed the prevailing rates charged to other parties by the Supplier for similar services.

33.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

34. Extensions of Time

34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

(a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:

(i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34;

(ii) if the Supplier fails to perform any other obligation under the Contract; or

(iii) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract.

(b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable

to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency.

- (a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser

35.3 Termination for Convenience.

- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

36. Assignment

- 36.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

APPENDIX TO GENERAL CONDITIONS

Bank's Policy- Corrupt and Fraudulent Practices

(text in this Appendix shall not be modified)

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011:

“Fraud and Corruption:

1.16 It is the Bank's policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.⁹ In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;¹⁰;
 - (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;¹¹
 - (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;¹²
 - (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;¹³

⁹ In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

¹⁰ For the purpose of this sub-paragraph, “*another party*” refers to a public official acting in relation to the procurement process or contract execution. In this context, “*public official*” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

¹¹ For the purpose of this sub-paragraph, “*party*” refers to a public official; the terms “*benefit*” and “*obligation*” relate to the procurement process or contract execution; and the “*act or omission*” is intended to influence the procurement process or contract execution.

¹² For the purpose of this sub-paragraph, “*parties*” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other's bid prices or other conditions.

¹³ For the purpose of this sub-paragraph, “*party*” refers to a participant in the procurement process or contract execution.

- (v) "obstructive practice" is:
 - (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
 - (bb) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- (c) will declare mis procurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank's sanctions procedures,¹⁴ including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated¹⁵;
- (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank."

¹⁴ A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank's sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

¹⁵ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

SECTION IX. SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC 1.1(j)	<p>The Purchaser is: Project Director Rajasthan Agricultural Competitiveness Project II Floor, Academic Block, SIAM Campus, Durgapura, Jaipur-302018 Ph. No. - 0141-2554215, 2554214 Fax: 0141-2554214 Email-pd@racpmis.com</p>
GCC 1.1 (o)	<p>Final Destinations are Farmers in various villages of Clusters of RACP in different districts of Rajasthan as specified in the Section – VII: Supply Requirements.</p>
GCC 4.2 (a)	<p>The meaning of the trade terms shall be as prescribed by Incoterms.</p>
GCC 4.2 (b)	<p>The version edition of Incoterms shall be 2010</p>
GCC 8.1	<p>For <u>notices</u>, the Purchaser’s address shall be: Project Director Rajasthan Agricultural Competitiveness Project II Floor, Academic Block, SIAM Campus, Durgapura, Jaipur-302018 Ph. No. - 0141-2554215, 2554214 Fax: 0141-2554214 Email-pd@racpmis.com</p>

GCC 10.2**Settlement of Disputes**

The dispute settlement mechanism to be applied shall be as follows:

- (a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the *Indian Council of Arbitration.
- (b) In the case of a dispute with a Foreign Supplier, the dispute shall be settled in accordance with provisions of UNCITRAL (United nations Commission on International Trade Law) Arbitration Rules. The Arbitral Tribunal shall consist of three Arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the parties, and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the *Indian Council of Arbitration.
- (c) If one of the parties fails to appoint its arbitrator in pursuance of sub-clause (a) and (b) above, within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the *Indian Council of Arbitration, both in cases of the Foreign supplier as well as Indian supplier, shall appoint the arbitrator. A certified copy of the order of the *Indian Council of Arbitration, making such an appointment shall be furnished to each of the parties.

	<p>(d) Arbitration proceedings shall be held at Jaipur, India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.</p> <p>(e) The decision of the majority of arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.</p> <p>(f) Where the value of the contract is Rs. 10 million and below, the disputes or differences arising shall be referred to the Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority namely the *Indian Council of Arbitration.</p> <p>(g) Except otherwise agreed to by the Parties, Arbitrators should give a decision in writing within 120 days of receipt of notification of dispute</p>
<p>GCC 12.1 and 25.2</p>	<p>The scope of supply for the Goods and Related Services to be supplied shall be as specified below: Supply and Commissioning of Solar Photovoltaic (SPV) Water Pumping System at Farmer Fields in RACP Clusters</p>

<p>GCC 13.1</p>	<p>Details of Shipping and other Documents to be furnished by the Supplier are given below:</p> <p>GCC 13.1 Upon delivery of the goods to the transporter/consignee, the supplier shall notify the purchaser and mail the following documents to the Purchaser :</p> <ul style="list-style-type: none"> (i) Two Copies of the Supplier invoice showing contract number, goods description, quantity, unit price, total amount; (ii) Delivery note, Railway receipt, or Road consignment note or equivalent transport document or acknowledgement of receipt of goods from the Consignee; (iii) Two Copies of packing list identifying contents of each package; (iv) Insurance certificate; (v) Manufacturer's/Supplier's warranty certificate; (vi) Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and (vii) Certificate of origin. <p>The above documents shall be received by the Purchaser before arrival of the Goods (except where it is handed over to the Consignee with all documents) and if not received, the supplier will be responsible for any consequent expenses.</p>
<p>GCC 15.1</p>	<p>The prices charged for the Goods supplied and the related Services performed shall not be adjustable.</p>
<p>GCC 16.1</p>	<p>GCC 16.1 Payment shall be made in Indian Rupees in the following manner:</p>

	<ol style="list-style-type: none"> 1. An advance payment may be made on specific request of the bidder/contractor @ 10% of the contract value on submission of an irrevocable bank guarantee of equivalent amount (from nationalized/scheduled banks only). 2. Final payment would be made after successfully Supply and Commissioning of Solar Photovoltaic (SPV) Water Pumping System at Farmer Fields in RACP Clusters 3. The adjustment of advance (if availed by the bidder/contractor) shall be made on pro-rata-basis (multiplied by a factor of 1.5) from each payment. <p>For all the payments to be made, against Bank guarantees, the bank guarantee shall be issued by a Scheduled Indian Bank or a foreign bank located in India in the format enclosed at Section VIII. The guarantees issued by other banks should be confirmed by a Scheduled Indian Bank or a foreign bank operating in India.</p> <p>Bank guarantees for advance payment shall be released not later than 30 days after the date of completion of supply of the goods at their final destination.</p>
<p>GCC 16.5</p>	<p>The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 60 days.</p> <p>The interest rate that shall be applied is 7.00%.</p>
<p>GCC 17</p>	<p>In the case of Excise duty waiver, the purchaser will issue only the certificates in terms of the Central Excise notification as per information given by supplier in form at serial no.7 of Section IV. Supplier is solely responsible for obtaining such benefits and in case of failure to receive such benefits, the purchaser will not compensate the supplier separately.</p>

<p>GCC 18.1</p>	<p>Performance Security to the Purchaser shall be for an amount of 5% of the contract value, valid up to 60 days after the date of completion of performance obligations including warranty obligations.</p> <p>In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months and the Performance Bank guarantee for proportionate value shall be extended 60 days over and above the extended warranty period.</p>
<p>GCC 18.3</p>	<p>If required, the Performance Security shall be in the form of a “Bank Guarantee” or “a cashier’s Cheque or banker’s certified Cheque or crossed demand draft or pay order” drawn in favor of the Purchaser.</p>
<p>GCC 18.4</p>	<p>Discharge of the performance Security shall take place not later than 60 days following the date of completion of the Supplier’s performance obligations, including the warranty obligation, under the contract.</p>
<p>GCC 18.5</p>	<p>Add as Clause 18.5 to the GCC the following:</p> <p>In the event of any contractual amendment, the Supplier shall, within 28 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 60 days after the completion of performance obligations including warranty obligations.</p>
<p>GCC 23.2</p>	<p>Packing Instructions: The Supplier will be required to make separate packages for each Consignee.</p> <p>Each Package shall be marked with proper paint/indelible ink with the following:</p> <p>(i) The Manufacture name or brand or registered trademark; (ii) Code , Batch No. and RACP</p> <p>Suppliers should use recycled materials as much as possible for packing</p>
<p>GCC 24.1</p>	<p>The insurance shall be paid in an amount equal to 110 percent of the EXW value of the Goods from “Warehouse to warehouse (final destination)” on “All Risks” basis including War Risks and Strikes.</p>

GCC 25.1	The Supplier is required under the Contract to transport the Goods duly insured to the specified final destination, and all related costs shall be included in the Contract Price.
GCC 26.1	The inspections and tests shall be: Refer to Inspection and Test (Section VII) Schedule of Requirements
GCC 26.2	The Inspections and tests shall be conducted at: Manufacturing Unit (Factory Point), assembly unit and on Site of Farmers at the site (Farmer's Field) or any other place as found suitable by the RACP-PMU.
GCC 27.1	The liquidated damages shall be: 0.5% of contract price per week or part thereof with respect to each individual delivery schedule.
GCC 27.2	The maximum amount of liquidated damages shall be: 10% of the contract price.
GCC 28.3	<p>The period of validity of the Warranty shall be: 60 months</p> <p>For purposes of the Warranty, the place(s) of final destination(s) shall be: same as place of final destination. (Please refer BDS corresponding to clause 14.8 (a))</p> <p>If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:</p> <p>(a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4,</p> <p>or</p> <p>(b) pay liquidated damages to the Purchaser with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be 10% of contract price.</p>
GCC 28.5	The period for repair or replacement shall be: 15 days

GCC 31.1	This clause will apply only to variations in VAT/Sales tax/ Octroi etc. payable in India on the final product which is being supplied and not for variations in tax on the individual components / raw materials which go into the product.
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SECTION X – CONTRACT FORMS

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1. LETTER OF ACCEPTANCE

[letterhead paper of the Purchaser]

[date]

To: *[name and address of the Supplier]*

Subject: **Notification of Award Contract No.**

This is to notify you that your Bid dated *[insert date]*. . . . for execution of the *[insert name of the contract and identification number, as given in the SCC]*. for the Accepted Contract Amount of *[insert amount in numbers and words in Rupees]*, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 28 days in accordance with the Conditions of Contract, using for that purpose the of the Performance Security Form included in Section X, Contract Forms, of the Bidding Document.

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Agency: _____

Attachment: Contract Agreement

2. CONTRACT AGREEMENT

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

THIS CONTRACT AGREEMENT is made

the *[insert: **number**]* day of *[insert: **month**], [insert: **year**]*.

BETWEEN

- (1) *[insert complete name of Purchaser], a [insert description of type of legal entity, for example, an agency of the Ministry of of the Government of { insert name of Country of Purchaser }, or corporation incorporated under the laws of { insert name of Country of Purchaser }] and having its principal place of business at [insert address of Purchaser] (hereinafter called “the Purchaser”), and*
- (2) *[insert name of Supplier], a corporation incorporated under the laws of [insert: country of Supplier] and having its principal place of business at [insert: address of Supplier] (hereinafter called “the Supplier”).*

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of *[insert Contract Price in words and figures, expressed in the Contract currency(ies)]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract Agreement. This Agreement shall prevail over all other contract documents: In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed below.
 - (a) The letter of Acceptance
 - (b) this Contract Agreement
 - (c) The Supplier’s letter of Bid and original completed Schedules including Price Schedules
 - (d) Special Conditions of Contract
 - (e) General Conditions of Contract
 - (f) Technical Requirements (including Schedule of Requirements and Technical Specifications)

(g) *[Add here any other document(s) listed in GCC/SCC as part of contract]*

3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *[insert the name of the Contract governing law country]* on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*
in the capacity of *[insert title or other appropriate designation]*
in the presence of *[insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*
in the capacity of *[insert title or other appropriate designation]*
in the presence of *[insert identification of official witness]*

3. PERFORMANCE SECURITY

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[insert name and Address of Purchaser]*

Date: *_ [Insert date of issue]*

PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *_ [insert name of Supplier, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the supply of *_ [insert name of contract and brief description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]* (*[insert amount in words]*),¹ such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the Day of, 2...², and any demand for payment under it must be received by us at this office indicated above on or before that date.

[signature(s)]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

¹ *The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance, and denominated either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Beneficiary.*

4. BANK GUARANTEE FOR ADVANCE PAYMENT

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]

Date: *[insert date (as day, month, and year) of Bid Submission]*
NCB No. and title: *[insert number and title of bidding process]*

[bank's letterhead]

Beneficiary: *[insert legal name and address of Purchaser]*

ADVANCE PAYMENT GUARANTEE No.:*[insert Advance Payment Guarantee no.]*

We, *[insert legal name and address of bank]*, have been informed that *[insert complete name and address of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert date of Agreement]* with you, for the supply of *[insert types of Goods to be delivered]*(hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance is to be made against an advance payment guarantee.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s)]¹⁶ in figures and words* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier on its account *[insert number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[insert date]¹⁷*.

¹⁶*The bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.*

¹⁷*Insert the Delivery date stipulated in the Contract Delivery Schedule. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed [six months][one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."*