

REQUEST FOR QUOTATIONS

(RFQs)

**PROCUREMENT OF SOLAR SYSTEM AS AN ELECTRIC BACKUP
FOR FOUR (04) NEFR BIOLOGICAL CONTROL LABS**

PK-SIAPEP-NEFR-SOLAR-RFQ-2019/21

UNDER

**SINDH IRRIGATED AGRICULTURE PRODUCTIVITY ENHANCEMENT
PROJECT (SIAPEP) WITH FINANCIAL ASSISTANCE OF THE WORLD BANK
UNDER IDA CREDIT No.**

CR.5604 PAK

JULY 2020

REQUEST FOR QUOTATION (RFQ)

FOR PROCUREMENT OF SOLAR SYSTEM AS AN ELECTRIC BACKUP FOR FOUR (04) NEFR BIOLOGICAL CONTROL LABS

SECTION I: GENERAL INFORMATION AND BID DEADLINE

The Government of Sindh is implementing Sindh Irrigated Agriculture Productivity Enhancement Project (SIAPEP) with financial assistance of the World Bank under IDA Credit No. Cr.5604 Pak aims to improve water and agriculture productivity for small and medium size farmers in Sindh.

To meet Project requirements and in order to ensure the uninterrupted supply of electricity for four (04) NEFR Biological labs, particularly during the heavy load shedding of hot summer of Sindh Province. SIAPEP is looking for potential firms to supply & installation of solar system as an electric backup for making NEFR Bio labs fully functional to achieve the useful results for project SIAPEP.

Project Implementation Unit [PIU], SIAPEP invites quotations for Procurement & Installation of Solar System from G.S.T registered firms/authorized dealers/distributors etc.

QUOTATION SUBMISSION DEADLINE: The deadline for receipt of your quotation is:

On or before 3:00 pm, date July 20, 2020.

SECTION II: PROCUREMENT REQUIREMENT AND SPECIFICATIONS OF SOLAR SYSTEM ITEMS ARE AS UNDER:

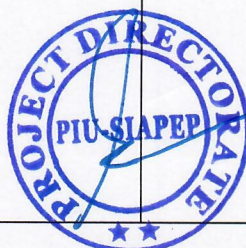
SR. No	NAME OF ITEMS WITH DETAILED DESCRIPTIONS (Demonstrated Equal Product is Allowed)	TOTAL QTY (Nos.)	LOCATION (TO BE DELIVERED & INSTALLED)	DDP unit price PKR (inclusive of Income Tax Only)	Total DDP price PKR (inclusive of Income Tax Only)	GST/SST	DDP Total Price PKR (Inclusive of all Taxes)
The quantity mentioned against each item is of Four (04) Solar Systems.							
1	<u>Solar Panel (380-410 Watt)</u> (12 plates per Solar System) (Jinko or equivalent) Supply and Installation with complete fitting. Manufactured with international quality standard and environment friendly management system <u>Cell Type:</u> Mono Perc Half Cell Module <u>No of cells:</u> 144(6x24)	48	Biological Control Labs in District <ul style="list-style-type: none">• Thatta,• Tando Jam• Mirpurkhas,• Larkana.				



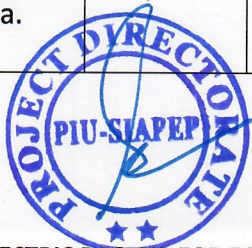
SR. No	NAME OF ITEMS WITH DETAILED DESCRIPTIONS (Demonstrated Equal Product is Allowed)	TOTAL QTY (Nos.)	LOCATION (TO BE DELIVERED & INSTALLED)	DDP unit price PKR (inclusive of Income Tax Only)	Total DDP price PKR (inclusive of Income Tax Only)	GST/SST	DDP Total Price PKR (Inclusive of all Taxes)
The quantity mentioned against each item is of Four (04) Solar Systems.							
	<u>Front Glass:</u> 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass <u>Frame:</u> Anodized Aluminum Alloy <u>Junction Box:</u> IP67 Rated <u>5 Busbar Solar Cell</u> <u>High Efficiency</u> <u>PID Resistance</u> <u>Low-light Performance</u> <u>Severe Weather Resilience</u> <u>Durability Against Extreme Environmental Conditions</u> <u>Installation Method:</u> Rack-Mounted Power Output Minimum Warranty Period: 10 Years						
2	<u>5 – 5.5 KW Inverter</u> <u>Capacity 5000 - 5500 W</u> (01 Inverter per Solar System) (Inverex or equivalent) Supply and Installation with complete fitting. <ul style="list-style-type: none"> • Voltage: 230 VAC • AC Voltage Regulation (Battery Mode): 230 VAC+/-5% • Efficiency peak:90% • Battery Voltage: 48VDC • Floating Charge Voltage: 54 VDC • Over Charge Protection: 64 VDC • Nominal Output Current: 22A • Solar Charger Type: MPPT • LCD display panel for comprehensive information 	04	Biological Control Labs in District <ul style="list-style-type: none"> • Thatta, • Tando Jam • Mirpurkhas • Larkana. 				



SR. No.	NAME OF ITEMS WITH DETAILED DESCRIPTIONS (Demonstrated Equal Product is Allowed)	TOTAL QTY (Nos.)	LOCATION (TO BE DELIVERED & INSTALLED)	DDP unit price PKR (inclusive of Income Tax Only)	Total DDP price PKR (inclusive of Income Tax Only)	GST/SST	DDP Total Price PKR (Inclusive of all Taxes)
The quantity mentioned against each item is of Four (04) Solar Systems.							
	<ul style="list-style-type: none"> • User-adjustable battery charging current • Overload and short circuit protection • Minimum Product Warranty: 02 Years • Minimum Service Warranty: 02 						
3	<p><u>Solar Stand</u> <u>12 Plates per Iron Frame</u> <u>(MS/GI Material or equivalent)</u> <u>(Gauge: 16 for MS or 14 for GI or equivalent)</u></p> <ul style="list-style-type: none"> • Structure of Pillar Frame Base: 2.5 "to 3 "(minimum 16 gauge to sustain the load) • Stand Height as per the site location • Direction should be 23% towards south • For Upper frame the stand/border should be 1.5/3" (minimum 16-gauge pipe to sustain the load) • 1.5/1.5 "pipe size for solar plates fitting. • Minimum workmanship warranty: 03 years. 	Lum sump (04 Jobs)	Biological Control Labs in District <ul style="list-style-type: none"> • Thatta, • Tando Jam • Mirpurkhas • Larkana. 				
4	<p><u>Tall Tubular Batteries</u> (04 batteries per Solar System). Supply and Installation with complete fitting. (Inverex or equivalent)</p> <ul style="list-style-type: none"> • Volt:12v • Actual AH: 185 AH/ 10 HR 	16	Biological Control Labs in District <ul style="list-style-type: none"> • Thatta, • Tando Jam • Mirpurkhas 				



SR. No	NAME OF ITEMS WITH DETAILED DESCRIPTIONS (Demonstrated Equal Product is Allowed)	TOTAL QTY (Nos.)	LOCATION (TO BE DELIVERED & INSTALLED)	DDP unit price PKR (inclusive of Income Tax Only)	Total DDP price PKR (inclusive of Income Tax Only)	GST/SST	DDP Total Price PKR (Inclusive of all Taxes)
The quantity mentioned against each item is of Four (04) Solar Systems.							
	<ul style="list-style-type: none"> • Low Maintenance • High Performance • Eco Friendly • Minimum Backup: 08-10 Hours on light & fan load. • Minimum Warranty: 01 Year 		<ul style="list-style-type: none"> • Larkana. 				
5	<u>Power Distribution Control /Circuit Breakers/ Electrical Box</u> Supply and Installation with complete fitting. (Reputable Brand) 15A, DC Fuse with Fuse Holder (1 no) 125 A, 550 DC Circuit Breaker (1 no) 16A, AC Circuit Breakers (2 no's) Change Over 32 A (1 no) Control Circuit to Power On & Off-Air Conditioners: based on dual timing options Indication Lights Electrical Accessories: (Connectors, Joints, Etc.)	Lum sump (04 Jobs)	Biological Control Labs in District <ul style="list-style-type: none"> • Thatta, • Tando Jam • Mirpurkhas • Larkana. 				
6	<u>Cabling as per the site requirement:</u> (Reputable Brand) DC Cable, 4mm ² , tinned copper with double sheet DC Cable 25mm ² , Copper Shielded AC Cable 4mm, Copper Shielded	Lum sump (04 Jobs)	Biological Control Labs in District <ul style="list-style-type: none"> • Thatta, • Tando Jam • Mirpurkhas • Larkana. 				



SR. No	NAME OF ITEMS WITH DETAILED DESCRIPTIONS (Demonstrated Equal Product is Allowed)	TOTAL QTY (Nos.)	LOCATION (TO BE DELIVERED & INSTALLED)	DDP unit price PKR (inclusive of Income Tax Only)	Total DDP price PKR (inclusive of Income Tax Only)	GST/SST	DDP Total Price PKR (Inclusive of all Taxes)
The quantity mentioned against each item is of Four (04) Solar Systems.							
7	Transportation, supply and Installation of Complete four (04) Solar System including fixing of solar mounting stands and Panels. Fixing and Commissioning of Inverter, batteries and Control Panel complete in all respect by meeting all technical requirement for installation. Connection to load. Installation shall be done as Turn key Project.	Lum sump (04 Job)	Biological Control Labs in District • Thatta, • Tando Jam • Mirpurkhas • Larkana.				
TOTAL DDP PKR PRICE							

Important Notes:

- Firms are requested to provide the technical literature and brochures with the quote.
- Quote must be in Pak Rupees (PKR). All applicable taxes Income tax, GST/SST duties etc. must be mentioned separately and then the total DDP Price inclusive of all taxes/duties must be mentioned.
- Offer must be valid for forty-five (45) days from the date of the Quotation deadline.
- Firm must accept the payment condition i.e. Payment will be made to the successful firm in PKR within sixty (60) days of receipt and acceptance of commodities and invoice by the purchaser.
- Stamp duty @rate of 0.35% of the contract price is to be paid by the successful Firm. (This rate at this stage will be tentative and will be adjusted as per the actual contract price and as per the prevailing laws at the time of award.
- Conditional offer/bid is not acceptable.
- Company Standard Warranty shall remain valid as mentioned against each items after the goods/services have been delivered and accepted at the final destination indicated in the contract.
- Delivery and installation complete in all respect is required within forty-five (45) days from the date of the issuance of the Supply/Purchase Order.



Note: Evaluations will be done on the basis of least cost amongst the technical compliant /responsive firm.

Location to be Supplied & Installed:

- Biological Control Lab Thatta, Rice research institute, Thatta Hyderabad road, Thatta.
- Biological Control Lab Tando Jam, Department of Entomology, Sindh Agriculture University Tando Jam, Tando Jam.
- Biological Control Lab Mirpurkhas, Office of the Director Agriculture Extension, Fruit Farm Road, Mirpurkhas.
- Biological Control Lab Larkana, Office of the Additional Director OFWM, Waggan road, Larkana.

Financing:

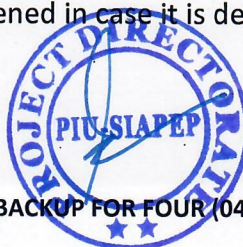
- a) The purchase will be financed out of World Bank under IDA Credit No. Cr.5604 Pak. Hence Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Attachment – 1.
- b) The Contractor shall permit and shall cause its Sub-consultants to permit, the Bank and/or persons appointed by the Bank to inspect the Site and/or all accounts and records relating to the performance of the Contract and the submission of the Proposal to provide the Services, and to have such accounts and records audited by auditors appointed by the Bank if requested by the Bank. Hence the acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under this Clause constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility under the Bank's prevailing sanctions procedures

SECTION III: INSTRUCTIONS

MARKING OF BIDS:

- The bidder shall put the original bid in an inner envelope, duly marking the envelope as "Original". The inner envelope shall then be enclosed in an outer envelope the inner and outer envelopes shall be:
 - Addressed to the purchaser at the following address:

Project Director (attention Procurement Specialist) Project Implementation Unit (PIU), SIAPEP Sindh Seed Corporation Building, Ground Floor, Main Hussainabad Road, Hussainabad Hyderabad Sindh, and the words **"DO NOT OPEN BEFORE (Closing time) ON (Closing date)"** shall be written on them.
 - In addition to above, the inner envelope shall indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared "Late."



LATE BID:

- Bidder will himself be responsible for ensuring that his bid is submitted in accordance with the instructions stated herein. Any bid not submitted by the deadline prescribed for submission of Bids will not be considered even if it becomes late as a result of circumstances beyond the Bidder's control. Any bid received by the purchaser after the date and time of bid opening will be returned un-opened to such bidder.
- Brand names, if any, mentioned in the specifications are only for the reference purposes. The bidder may quote any other brand equivalent to or better than the above-mentioned specifications.
- The bidder must clearly indicate any and all deviations from the above listed specifications and / or products.
- The bidders must specify warranty period and terms in details.

SECTION V: TERMS AND CONDITIONS

- All prevailing taxes/duties as per the laws of Government of Pakistan/Sindh would be applicable.
- Payment will be made to the successful bidder in PKR within 60 days of receipt and acceptance of commodities and invoice by the purchaser.
- With their offer, bidders warrant that the commodities offered:
 - Will be available for actual performance of the contract, if awarded;
 - Are free of defect in material and workmanship and comply with all specification listed above.
 - Are new; unused; non-remanufactured and non-refurbished;

The quotation with complete details may be addressed to the Project Director SIAPEP and submitted to the address below on or before **On or before 3.00 pm, date, 20.07.2020.**

The received quotations will be evaluated as 'Shopping' method of procurement in accordance the World Bank's Procurement Guidelines: Procurement of Goods, Works, and Non-Consulting Services (January 2011, revised July 2014). The acceptable terms and conditions of the lowest, responsive quotation shall be incorporated in the Purchase Order.


PROJECT DIRECTOR

Project Implementation Unit (PIU), SIAPEP
Sindh Seed Corporation Building, Ground Floor,
Main Hussainabad Road, Hussainabad
Hyderabad Sindh,
Phone# 00 92 022-9260252
<http://www.siapep.org>
Email: pd.siapep@gmail.com

Attachment 1: Bank's Policy – Corrupt and Fraudulent Practices

"Fraud and Corruption

1.23 It is the Bank's policy to require that Borrowers (including beneficiaries of Bank loans), consultants, 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 selection and execution of Bank-financed contracts [footnote: In this context, any action taken by a consultant or any of its personnel, or its agents, or its sub-consultants, sub-contractors, services providers, suppliers, and/or their employees, to influence the selection process or contract execution for undue advantage is improper.]. In pursuance of this policy, the Bank:

(a) Defines, for the purposes of this provision, the terms set forth below as follows:

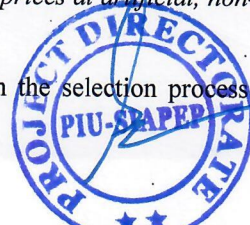
- (i) "corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party¹;
- (ii) "fraudulent practice" is any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation²;
- (iii) "collusive practices" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party³;
- (iv) "coercive practices" 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 party⁴;
- (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

¹ For the purpose of this sub-paragraph, "another party" refers to a public official acting in relation to the selection process or contract execution. In this context "public official" includes World Bank staff and employees of other organizations taking or reviewing selection decisions.

² For the purpose of this sub-paragraph, "party" refers to a public official; the terms "benefit" and "obligation" relate to the selection process or contract execution; and the "act or omission" is intended to influence the selection process or contract execution.

³ For the purpose of this sub-paragraph, "parties" refers to participants in the procurement or selection 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 prices at artificial, non-competitive levels, or are privy to each other's bid prices or other conditions.

⁴ For the purpose of this sub-paragraph, "party" refers to a participant in the selection process or contract execution.



- (bb) acts intended to materially impede the exercise of the Bank's inspection and audit rights;
- (b) will reject a proposal for award if it determines that the contractor recommended for award or any of its personnel, or its agents, or its sub-consultants, sub-contractors, services 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 were engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the selection process 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 they knew of the practices;
- (d) will sanction a firm or an individual at any time, in accordance with prevailing Bank's sanctions procedures⁵, including by publicly declaring such firm or an ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract, and (ii) to be a nominated⁶ sub-consultant, supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract.



⁵ A firm or an 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 of 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 proceedings. See footnote 12 and paragraph 8 of Appendix 1 of these Guidelines.

⁶ A nominated sub-consultant, supplier, or service provider is one which has been either (i) included by the consultant in its proposal because it brings specific and critical experience and know-how that are accounted for in the technical evaluation of the consultant's proposal for the particular services; or (ii) appointed by the Borrower.