



Reference No. PPHI-B/H.O.BLN/2023 /01/SOLAR/001

Dated: _____

Technical Proposal

People's Primary Healthcare Initiative Balochistan

**Bidding Document for Solarization of Nineteen (19) Basic
Health Units of District Jhal Magsi, Loralai, Lasbella,
Chagai and Killa Saifullah, Balochistan**

NAME OF BIDDER: _____
(To be filled-in by the Bidder)

Address: Peoples Primary Healthcare Initiative (PPHI) Balochistan
House # 8-A, Jinnah Town Samungli Road, Quetta-Pakistan.

Phone: 081-2863620
Website: www.pphib.org

LETTER OF INVITATION FOR BIDS:

Sealed Tenders are invited under the Peoples Primary Healthcare Initiative (PPHI-B) procurement rules, by the PPHI-B from “Eligible Bidders dealing in provision and installation of Solar systems as per details contained here-under:

REQUIRED BIDDING INFORMATION	TO BE FILLED BY THE PPHI Balochistan.
DESIGNATION OF PROCUREMENT OFFICER	Manager Administration, PPHI Balochistan
POSTAL ADDRESS	HOUSE No.8-A, JINNAH TOWN, SAMUNGLI ROAD, QUETTA.
PHONE NUMBER & FAX NUMBER	081-2863620, 081-2863623
E-MAIL ADDRESS & WEBSITE	PPHIBLN@GMAIL.COM WWW.PPHIB.ORG
METHOD OF PROCUREMENT	SINGLE STAGE - TWO ENVELOPE BIDDING PROCEDURE
ISSUANCE OF BIDDING DOCUMENTS	From PPHI Website www.pphib.org May also be obtained from office of the Procurement officer during office hours up-to one working day prior to the opening of bids.
DEADLINE FOR SUBMISSION OF BIDS	Date: Feb 07, 2023 & Time 11:30 AM
OPENING OF TECHNICAL BIDS	Date: Feb 07, 2023 & Time 12:00 PM at the Head Office of PPHI-B, Quetta.
OPENING OF FINANCIAL BIDS	Date: Feb 07, 2023 & Time 02:00 PM at the Head Office of PPHI-B, Quetta.
BIDDING DOCUMENT FEE	AMOUNT: PKR. 2,000/- IN THE FORM OF: DEMAND DRAFT / PAY ORDER in Favor of PPHI Balochistan
BID SECURITY	AMOUNT: 2 % OF THE QUOTED AMOUNT MANNER OF PAYMENT: <u>CALL DEPOSIT/ PAY ORDER</u> IN FAVOR OF <u>PPHI BALOCHISTAN.</u>

ELIGIBILITY CRITERIA FOR BIDDERS:

S. No.	Bidders Eligibility Factor	Mandatory Requirement	Document Required
1	Registration with Income Tax	NTN Certificate AND on Active Tax payer list	Copy of <u>NTN</u> AND duly verifiable <u>Active Tax Payer Certificate</u> from FBR website
2	Registration with PEC	Valid Registration with PEC	Valid Registration Certificate
2	Registration with Sales-Tax	GST Certificate. Must have registered relevant activity/category	Copy of GST registration Certificate
3	Relevant Experience	For Experienced (Old Firms): 03 successfully completed comparable & similar assignments	Copy/ies of <u>Supply Order/s</u> with relevant completion certificate/s or <u>Inspection Report/s</u>
		For In-experienced (New Firms): MoU / JV or Agreement with a Firm fulfilling the above-mentioned criteria	Signed & stamped copy of <u>Agreement</u> in addition to <u>Supply orders & Inspection Report</u> of the experienced Firm
4	Financial Capacity	Turn Over of PKR. 3 Million for the past 3 years	Audited <u>Final Accounts</u> OR <u>Bank Certificate</u> of Company's Bank Account certifying the required financial worthiness of the Bidder
5	Non-Blacklisting	Must not be presently black-listed by any Government/Semi Govt Organization	Declaration of Non-blacklisting on <u>Non-Judicial Stamp</u> paper by the Bidder
6	Local presence	The Bidder must have functional corporate/support office in Balochistan	Copy of <u>Tenancy agreement</u> or <u>ownership documents</u> of the office premises AND Copy of recently paid <u>utility Bill</u> (maximum 3 months old)
7	Warranty & After-Sales	As required by Peoples Primary Healthcare Initiative Balochistan (PPHI-B) in the Data-sheet	<u>Certificates of Warranty & After-Sales</u>
8	Delivery Time Compliance	Must agree to serve the Contract within agreed time as per agreement at the time of contract award	Completion time must be <u>clearly specified</u> in the Technical Bid
9	Agreement with all the terms & conditions	Must unconditionally agree with all the instructions, terms & conditions specified in the bidding documents & contract agreement	<u>Signature & company seal</u> on <u>every page</u> of the bidding document.
10	Submission of Bidding Fee	As required by the Peoples Primary Healthcare Initiative Balochistan (PPHI-B) in the NIT	<u>Receipt</u> of in-time payment of Bidding document fee

NOTE: It is mandatory for the bidders to meet all the above-mentioned requirements of eligibility. In-case of not meeting any single requirement, the Bid shall be declared NON-RESPONSIVE

BIDDER'S INFORMATION: (To be filled-in by the Bidder)

1. Name of company:

2. Complete Postal Address:

3. Tel No: _____ 4. Email address:

5. Fax No: _____ 6. Mobile No:

7. Authorized Representative's name & designation:

8. Type of Business:

- (1) Sole Proprietorship ☐ (2) Partnership ☐
(3) Corporation (Private Ltd.) ☐ (4) Corporation (Public Ltd.) ☐

9. National Tax Number& Date of issuance: _

10. Sales Tax Registration No. _____

11. BTSN No. _____

12. Bid Validity: _____ (Please specify in No. of Days)

13. Total Completion Time: _____ (In Days / Months, please specify)

DATA-SHEET OF THE ASSIGNMENT / SCHEDULE OF REQUIREMENTS

The objective of the below given Data-Sheet / Schedule of Requirements is to provide sufficient information to bidders to understand complete scope of this procurement such that no requirement of the PPHI (PPHI-B) is left un-mentioned here under, so as to enable the bidders to prepare their bids accordingly:

S.No	ITEM DESCRIPTION	UNIT	UNIT	UNIT	Bidder 01 (Yes/No)	Bidder02 (Yes/No)	Bidder 3 (Yes/No)
1	Solar Panel						
	Supply, Install, connect, test and commission of SOLAR PANEL & accessories. Mono perc half cut, each Panel must be 500 watt (Installation of Solar Panels [tier 1 Canadian Solar Panel, TRINA, JINKO, LONGI or Equivalent.	3000W	4000W	5000W			
2	Solar Hybrid Inverter						
	Supply, Install, connect, test and commission of SOLAR INVERTER & accessories.VM3 ,MPPT (Tesla, Inverex or equivalent)	3KVA	4KVA	5KVA			
3	Solar Mounting Structure (Fixed)						
	Supply, Install, connect, test and commission of Movable SOLAR MOUNTING STRUCTURE & accessories.	Set	Set	Set			
4	Tubular batteries						
	Supply, Install, connect, test and commission of Tubular batteries with minimum following specifications 230Amp	2	4	4			
5	Circuit Breakers						
5.01	Supply and Install Single Pole 63 Amp DC Circuit Breaker	1	1	1			
5.02	Supply and Install Single Pole 40 Ampere DC Circuit Breaker	1	1	1			
6	Distribution board						
	Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet or PVC,with connection lights , powder coated with approved color 2'x2'x1.5' including relevant breakers and switchover	TK	TK	TK			
7	Concealed Wiring						

	Concealed wiring with 3/4 inch (20mm) dia PVC conduit and accessories such as bends elbows, junction boxes etc., from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,	TK	TK	TK			
8	Solar DC Cable						
	Supply, Install, connect, test and commission of CABLES & accessories. DC Cable OF DC Cable 16mm ² single Core Stranded and flexible insulated copper DC wires and cables must be used for all outdoor and indoor installations. - voltage drop must not exceed 1% on DC side of the power inverter and 1.5% on AC side of the power inverter. - The wiring that leads into the pole, protected in a PVC Spiral / Flexible conduit. - External cables adapted to outdoor exposure as per IEC 60811. - The outer insulation: sunlight (UV)-resistant and weather	TK	TK	TK			
9	G.I Stand foe Cells						
	Provide and fix GI Battery Stand with all other accessories complete in all respect as per directions of office	Set	Set	Set			

Note: The Company will be qualified after fulfilling the above technical qualification completely

Delivery Schedule & Requirements:

Place of Delivery and Installation of Goods:

S#	Name of BHUs	Name of Districts
1	Gajjan	Jhal Magsi
2	Hatyari	
3	Kabbar	
4	Shambani	
5	Dhorari	
6	Umargot	Lasbella
7	Pinyan	
8	Doba Liyari	
9	Phore 1	
10	Uraki	
11	Sokan	
12	Liyari	
13	Nasarabad	Loralai
14	Kamal Khan	

15	Toor Thano	
16	B.Safar Khan	
17	Jaffarabad	
18	Shay Salar (Ali Baig)	Chagai
19	Urgus	Killa Saifullah

Other requirements:

1. Warranty Requirements:

All items must be supplied under at-least one-year Warranty or as per manufacturers policy(**whichever is longer**) from the date of inspection for replacement of malfunctioned items without any additional cost within 15 days from the date of reporting of problem in writing and handingover of the item by the Peoples Primary Healthcare Initiative (PPHI-B) during Warranty period. Pickup and delivery shall be the responsibility of the contractor from the delivery location.

2. After-Sales Requirements:

During Project Period, Maintenance, Repair, Installation, configuration, commissioning, fixation, assembling in all respect at the final destination, comes under the vender responsibility.

3. On Site Support

On-site support for the delivered Equipment during warranty period

4. Rates shall be quoted with Free Delivery at Consignee End on Site basis (in all required districts of Balochistan) and shall be complete in all aspects (turnkey basis) including proper earthing, installation, commissioning at site, training, civil work etc.
5. Finishing including installation, commissioning Completion time **MUST** be clearly specified by the Bidder in the Technical Bid. Where completion time shall mean; time consumed in delivery of the ordered items to the designated location of PPHI-B as mentioned above, including time required for performing the required tasks / services as detailed in the schedule of requirements
6. Authorized representative (technical) of the bidder shall be present at the time of delivery of Consignment at the designated location.
7. Supplier shall deliver the Goods against the Delivery Challan and take receiving of Goods from duty staff.
8. Supplier shall submit Completion Report along-with Delivery Challan for Inspection as per the Supply Order prior to submission of Invoice.
9. The bidder shall be responsible for loss / damage and shall pay for any alteration of the work due to any discrepancies, errors or omissions in the particulars supplied by him.
10. Any fittings or accessories which may not be specifically mentioned in the specifications but which are usual or necessary must be provided without extra charge and Solar System must be complete in all aspects.

INSTRUCTIONS FOR PREPARING TECHNICAL BID

These Instructions are being given for strict compliance by the Bidders. **Failure to fulfill any instruction given here-under may result in dis-qualification of the Bid/s.**

1. Proposals shall be prepared on following lines: -
Sealed Envelope containing the Technical Proposal should clearly state:
 - a) **"Name of Bidder"**
 - b) **"Name of Tender"**
 - c) **"TECHNICAL PROPOSAL"**
2. The portion of Technical Proposal of this bidding document duly filled, supported with Bidder's covering
3. Letter and the technical Bid on Bidders Letter Head be attached as the Technical Proposal.
4. Technical Proposal shall be prepared keeping in view the specifications provided in the Data Sheet and the schedule of requirements or otherwise as placed demand further during the bidding process.
5. Following information should be attached/contained in the Technical Proposal: -
 - a) Receipt of payment of bidding Document Fee May be in the name of Peoples Primary Healthcare Initiative BALOCHISTAN, or Pay Order in favor of PPHI BALOCHISTAN
 - b) Completion time, which means; time consumed in delivery and installation to the designated location of the PPHI-B, time required for demonstration, fixation, installation, commissioning & training (as the case may be) of the delivered Items. The completion time of the project is 15 days from the date of latter of acceptance.
 - c) Documentary evidence of fulfillment of eligibility criteria for Bidders as required by PPHI-B.
 - d) Every page of the Bid must be numbered, signed & stamped by the authorized representative.
6. Attachment of any document not demanded by the PPHI-B at instruction 4 of "Instruction for preparation of Technical Bid" is strictly prohibited.

Evaluation Criteria: Selection of the successful bidder shall be based on the **Single Stage-Two EnvelopMethod**

The procedure shall be applied as follows: -

1. **Bidders Eligibility Assessment.** Initial evaluation of the Technical proposals shall be carried-out by the **PROCUREMENT COMMITTEE**, as per the requirements of the eligibility criteria laid down under the heading of “Letter of Invitation for Bids – Eligibility Criteria for Bidders” in the following manner:

Bidders Eligibility Factor	Requirement	Bidder 1	Bidder 2	Bidder 3
		YES / NO	YES / NO	YES / NO
Registration with Income Tax	Copy of NTN attached.			
Registration with Sales-Tax	Copy of GSTRN attached and GST			
Registration with BRA	Copy of BRA Certificate			
Relevant Experience	For Self-experienced / Old Firms: 03 No. of Supply Orders with relevant completion certificate or Inspection Report of successfully completed similar assignments Attached.			
	For In-experienced / New Firms: Signed & stamped copy of MoU / JV or Agreement of support, with a Firm fulfilling the above mentioned criteria duly attested by Notary Public attached?			
Financial Capacity	Annual Audit Financial Statement OR Annual Tax Returns to Clarify the Minimum turnover of PKR. 05 million for the past 3 years attached.			
Agreement with all the terms & conditions	Signature & company seal at every page of bidding document affixed.			
Delivery time	Is the quoted completion time within the stipulated time?			

- i. Firm must score “YES” in all requirements of the eligibility criteria to be

categorized as Eligible. "NO" to any requirement of the eligibility criteria, by any bidder shall render the Firm as Ineligible.

- ii. Subsequent upon said assessment, Bidders shall be categorized as:
 - a) Eligible Bidders
 - b) Ineligible Bidders

2. **Return of Financial Proposals from Ineligible Bidders.**

Proposals from Ineligible Bidders shall be declare "Non-Responsive", consequently shall **NOT** be accepted for any further evaluation:

- c) Their Financial Proposals shall be returned without being opened.
- d) Their Bid security shall be released upon their written request.

3. **Item-wise Evaluation**

The Bids received from Eligible Bidders shall then be evaluated by the **TECHNICAL MEMBER / COMMITTEE OR THE PROCUREMENT COMMITTEE ITSELF** (If the required items are not technically complex) for conformance with the required technical qualification (which includes specification, schedule of requirements and all other administrative and legal requirements as stated in the Data-Sheet), in the following manner:

TECHNICAL EVALUATION

S#	Item Name	Technical Requirement/s	Eligible Bidder 1		Eligible Bidder 2		Eligible Bidder 3	
			Fulfill Requirement (Yes/No)	Reason	Fulfill Requirement (Yes/No)	Reason	Fulfill Requirement (Yes/No)	Reason
1	List of Items mentioned in the Data-sheet	Provided sample as per specifications						
		Similar Nature works executed in last three years up to 05 million						
		PEC registered, Bachelor degree holder engineer in any category among Electrical/Electronics/Renewable energy						
		Annual turnover above five (05) million (Each year) in last three years						
		Meet the requirement-5						

NOTE: It is mandatory for the bidders to meet all the above-mentioned requirements of eligibility. In-case of not meeting any single requirement, the Bid shall be declared NON-RESPONSIVE.

The eligible vendors with responsive BIDs shall be finally evaluated by following mentioned criteria,

(A) Specifications compliance

(B) Actual/physical examination/presentation of the product/system/items

- i. Bids confirming to the required technical qualification (obtaining yes in all fields) will qualify for Financial Bid opening.
2. **Return of Non-Responsive Proposals & preparation of Technical Evaluation Report.** Technical Proposals not conforming to the required technical, administrative or legal requirements shall be declared as "Non-Responsive" and consequently shall **NOT** be accepted for any further evaluation:
 - i. Their financial proposals shall be returned without being opened.
 - ii. Their Bid security shall be released upon their written request.
 - iii. Technical Evaluation Report shall be prepared duly signed by all the members of the Procurement Committee, giving **REASONS** for;
 1. Acceptance of the Eligible & Responsive Bid/s and.
 2. Rejection of the Ineligible &/OR Non-Responsive Bid/s.
 - iv. Technical Evaluation concludes at this stage.
3. **Financial Evaluation.** Financial Proposals of the Responsive Technical

Proposals shall be publicly opened in the next meeting as specified in this document under the heading of “Letter of Invitation for Bid” Financial Comparative Statement / Evaluation Report of the “Responsive Proposals” shall be prepared by the **PROCUREMENT COMMITTEE** in the following manner:

<u>FINANCIAL EVALUATION OF BIDS</u>							
Item/s Name /Model & description	Quantity	Responsive Bidder 1		Responsive Bidder 2		Responsive Bidder 3	
		Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
Items 1							
Items 2							
Items 3							

- i. Subsequently, the prepared Financial Evaluation Report shall duly be signed by all the members of the Procurement Committee.

4. Recommendation of Procurement Committee

After fulfilling all the requirements in technical evaluation, the bid will be allotted to lowest financial bidder.



Reference No. PPHI-B/H.O.BLN/2023 /01/SOLAR/001

Dated: _____

Financial Proposal

People's Primary Healthcare Initiative Balochistan

**Bidding Document for Solarization of Nineteen (19) Basic
Health Units of District Jhal Magsi, Loralai, Lasbella,
Chagai and Killa Saifullah, Balochistan**

NAME OF BIDDER: _____
(To be filled-in by the Bidder)

Address: Peoples Primary Healthcare Initiative (PPHI) Balochistan
House # 8-A, Jinnah Town Samungli Road, Quetta-Pakistan.

Phone: 081-2863620

Website: www.pphib.org

BIDDER'S INFORMATION: (To be filled-in by the Bidder)

1. Name of company :

2. Complete Postal Address :

3. Tel No: _____ 4. Email address:

5. Fax No: _____ 6. Mobile No: _____

7. Authorized Representative's name & designation:

8. Type of Business:

(1) Sole Proprietorship ☐ (2) Partnership ☐

(3) Corporation (Private Ltd.) ☐ (4) Corporation (Public Ltd) ☐

9. National Tax Number& Date of issuance: _

10. Sales Tax Registration No. / BRA Registration No.

11. BRA No. _____

12. Bid Validity: _____ (Please specify in No. of Days)

13. Total Bid Value: _____ (In Pakistani Rupees)

INSTRUCTIONS FOR PREPARING FINANCIAL PROPOSAL

These Instructions are being given for strict compliance by the Bidders. **Failure to fulfill any instruction given here-under may result in disqualification of the Bid/s.**

Financial Proposals shall be prepared on following lines: -

1. Sealed Envelope containing the Financial Proposal should clearly state:
 - a. **"Name of Bidder"**
 - b. **"Name of Tender"**
 - c. **"Financial Proposal"**
2. The portion of Financial Proposal of this bidding document duly filled, supported with Bidder's covering Letter be attached as the Financial Proposal of the bidder
3. Following information should be attached/contained in the Financial proposal: -
 - a. Original Bid Security (If required by the PPHI Balochistan.
 - b. Taxes must be included along-with the price of each item
 - c. Financial Bid shall be prepared on the Bidders Letter Head in the following format:
 - d.

A	B	C	D	E		F
S. No.	Item Name	Quantity	Unit Price	BRA %age	BRA Amount	Total Price(Including Taxes)
A	B	C	C x D			(C x D) + E = F
1						
2						
3						
4						
Total						

4. Serial Numbers of items must be quoted as mentioned in the "Bidding Document" (in-case of difference in serial numbers between "Bidding Documents" and "Financial Bid" the bid may qualify for rejection.
5. No technical detail / specification mentioned in the financial bid. In-case of multiple offers/ items quoted against a single item, each item may be distinguished as option # a, b, c etc. against the respective Serial No.
6. Offer must be quoted on TCA (Total Cost of Acquisition) basis at the risk & cost of the bidder. This means:
 - i. ALL costs (including duties, taxes & other Govt. payables) incurred up-to delivery at the designated location of the PPHI-B.
 - ii. Loading, unloading and other labor charges
 - iii. Complete services as required in the schedule of requirements of this bidding document
 - iv. Cost including fixation, assembling, dismantling etc. (As & where applicable)
7. Taxes must be included along-with the price of each item
8. In-case of any Tax exemptions, exemption certificate from the concerned Tax Office / Regional Tax Office pertaining particularly to this case may be provided; otherwise taxes shall be deducted as per Government Policy / Rules
9. Every page of the Bid must be numbered, signed & stamped by the authorized representative.

TERMS AND CONDITIONS:

1. Completion time may be clearly specified. Where completion time shall mean; time consumed in delivery of the ordered items to the designated location of PPHI-B, including but not limited to time required for installation, commissioning & training. **(Complete delivery as per the schedule of requirements services detailed in the Data-Sheet)**
2. Maximum completion time for the order is 15 Days from the date of Supply Order
3. Tenders must be quoted in Pakistani Rupees (PKR).
4. Tax Liability:
5. All Applicable taxes
 - i. All applicable Tenders is to be borne by the Vendor/Contractor.
 - ii. Quoted prices shall be **inclusive of all applicable Taxes**, be filled item-wise as per theafore-mentioned format at Para-2 and may not be applied to the sub-total of the package.
 - iii. In-case of any Tax exemptions, exemption certificate from the concerned Tax Office /Regional Tax Office pertaining particularly to this case may be provided; otherwise taxes shall be deducted as per Government Policy / Rules.
6. Validity of the bid would be at-least 90 days (to be specified by the Peoples Primary Healthcare Initiative office) from the date of Tender opening
7. Financial Bids must be accompanied with Bid Security in the form of Bank Guarantee or Deposit atCall from a scheduled bank @ 2% of total bid value favoring the PPHI Balochistan
8. Defect Liability Period will be six months from the date of completion of work.
9. The Consignment, as per the Supply Order, must be accompanied by the authorized representative (technical) at the time of delivery PPHI-B designated Office.
10. Bid Security of unsuccessful bidder/s shall be released within thirty days from the date of award ofcontract to the successful bidder/s.
11. The bidders shall quote for each item else the bidder will be considered non-responsive. The Tender will be awarded lot wise to the lowest responsive evaluated bidder.
12. Provision of partial payment does not exist in this Tender; payment shall be made within one monthfrom the date of successful inspection.
13. Payment release is subject to satisfactory inspection by the joint team comprising of:
 - i. The Purchase Committee of PPHI-B.
 - ii. Authorized representative of the Vendor (To be clearly specified in the Tender Document)
14. Samples may be called for testing Specs and **compliance confirmation**

CURRENCY & BID VALIDITY

- **Pak Rupees & 45 days**

DECLARATION BY THE BIDDER

I solemnly undertake that:

- a. Having read, understood & made myself aware of all the Terms & conditions mentioned in this Bidding Document & the Rules, Regulations & Policies of the Government of Balochistan, governing the procurement & financial matters, **AGREE, ACCEPT & UNDERTAKE TO ABIDE BY THE SAME.**
- b. We here by confirm to adhere to the delivery period required in the tender enquiry/supply order(s), which would be the essence of the contract and will be binding on us. In case of failure, we agree unconditionally to accept the recovery of liquidated damages on belated supplies and shall have no objection on risk purchase made by PPHI-B to cop up the delayed supply.
- c. Certified that the price quoted against tender are not more than the trade price or the price charged from any other Government /Autonomous Institution and in case of any discrepancy, the supplier hereby undertakes to refund the price charged in excess when asked to do so.
- d. The information provided in this form is correct to the best of my knowledge & in the event of change; details will be provided as soon as possible

Name & Designation

Signature_____Date _____

Company stamp.

Summary of Cost for Solarization of 19 Basic Health Units of Balochistan

S#	Name of BHUs	Name of Districts	3KVA (3000 W) Amount (Rs.)	4KVA (4000 W) Amount (Rs.)	5KVA (5000 W) Amount (Rs.)
1	Gajjan	Jhal Magsi			
2	Hatyari				
3	Kabbar				
4	Shambani				
5	Dhorari				
6	Umargoth	Lasbella			
7	Pinyan				
8	Doba Liyari				
9	Phore 1				
10	Uraki				
11	Sokan				
12	Liyari				
13	Nasarabad	Loralai			
14	Kamal Khan				
15	Toor Thano				
16	B.Safar Khan				
17	Jaffarabad				
18	Shay Salar (Ali Baig)	Chagai			
19	Urgus	Killa Saifullah			
	Grand Total Amount (Rs.)				
	Total Amount (Rs.) in Words for 3KVA (3000W): _____				
	Total Amount (Rs.) in Words for 4KVA (4000W): _____				
	Total Amount (Rs.) in Words for 5KVA (5000W): _____				

Bill of Quantities for each Solar System of Basic Health Unit

S.No	ITEM DESCRIPTION	UNIT	Amount	UNIT	Amount	UNIT	Amount
1	Solar Panel						
	Supply, Install, connect, test and commission of SOLAR PANEL & accessories. Mono perc half cut, each Panel must be 500 watt (Installation of Solar Panels [tier 1 Canadian Solar Panel, TRINA, JINKO, LONGI or Equivalent.	3000W		4000W		5000W	
2	Solar Hybrid Inverter						
	Supply, Install, connect, test and commission of SOLAR INVERTER & accessories.VM3 ,MPPT (Tesla, Inverex or equivalent)	3KVA		4KVA		5KVA	
3	Solar Mounting Structure (Fixed)						
	Supply, Install, connect, test and commission of Movable SOLARMOUNTING STRUCTURE & accessories.	Set		Set		Set	
4	Tubular batteries						
	Supply, Install, connect, test and commission of Tubular batteries with minimum following specifications 230Amp	2		4		4	
5	Circuit Breakers						
5.01	Supply and Install Single Pole 63 Amp DC Circuit Breaker	1		1		1	
5.02	Supply and Install Single Pole 40 Ampere DC Circuit Breaker	1		1		1	
6	Distribution board						
	Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet or PVC,with connection lights , powder coated with approved color 2'x2'x1.5' including relevant breakers and switchover	TK		TK		TK	
7	Concealed Wiring						
	Concealed wiring with 3/4 inch (20mm) dia PVC conduit and accessories such as bends elbows, junction boxes etc., from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,	TK		TK		TK	
8	Solar DC Cable						
	Supply, Install, connect, test and commission of CABLES & accessories. DC Cable OF DC Cable 16mm2 single Core Stranded and flexible insulated copper DC wires and cables must be used for all outdoor and indoor installations. - voltage drop must not exceed 1% on DC side of the power inverter and 1.5% on AC side of the power inverter. - The wiring that leads into the pole, protected in a PVC Spiral / Flexible conduit. - External cables adapted to outdoor exposure as per IEC 60811. - The outer insulation: sunlight (UV)-resistant and weather	TK		TK		TK	

9	G.I Stand foe Cells						
	Provide and fix GI Battery Stand with all other accessories complete in all respect as per directions of office	Set		Set		Set	
	Total Amount (Rs.)						
	Total Amount (Rs.) in Words for 3KVA (3000W):_____						
	Total Amount (Rs.) in Words for 4KVA (4000W):_____						
	Total Amount (Rs.) in Words for 5KVA (5000W):_____						

Note: The quoted rates must include Income Tax, Balochistan Sales Tax etc.

Name & Designation

Signature_____Date _____

Company stamp._____

Checklist for Tender of Solarization of Nineteen (19) Basic Health Units Of Districts Jhal Magsi, Loralai, Lasbella, Chagai and Killa Saifulah, PPHI Balochuistan

- Y The Bidding Documents being used is uploaded at Official website of PPHI-B.
- Y Eligibility of Bidders table on **page 1** is duly filled
- Y Specifications of items is mentioned in Data sheet of assignments.
- Y Irrelevant fields in **Instructions for Bidders** are removed/ edited.
- Y **Evaluation Criteria** is clear and unambiguous.
- Y One option from **package wise / item wise** evaluation has been selected.
- Y Terms and conditions are **as per requirement of PPHI Balochistan**
- Y Format for **Evaluation of Bidders** is duly filled and matches the table on page 1.
- Y Format for **Technical Evaluation** is duly filled and is in line with the specifications /requirements of the items being procured.
- Y Schedule of bidding process matches the **schedule given in the NIT** in newspapers.
- Y **Complete address and contact details** of the PPHI Balochistan are provided at the start of the bidding documents.
- Y Supporting documents/product brochures/CVs of technical staff (if required) are included
- Y Tender fee and earnest money challan/pay order is included