



BIDDING DOCUMENT

Installation and Construction of 3 Solar Water Wells and Water Tanks Tharparkar
Pakistan)

PROJECT CODE: (K24-20601 Tender)

Please submit Bids for Each Activity by filling the section no. II/ Attached Specification

- Bid # 1: Installation of Water wells in the
1. 3 Solar WWs District Tharparkar
 2. 3 Water Tanks District Tharparkar

Name of Firm: _____

NTN: _____

Bank Account Details: _____

Contact#: _____

Email Address: _____

Prepared by:



Human Appeal -Pakistan

Farm House 4-4, Street 11, Chak Shahzad Farms, Islamabad, Pakistan

March 1, 2024



Table of Contents

Section I.

Instructions to Bidders.....	4
------------------------------	---

Section II.

Schedule of Requirements.....	11
-------------------------------	----

Section III.

Bidders Questionnaire/Contact Form.....	12
---	----

Section I. Instructions to Bidders

Table of Clauses

A. General.....	4
1. Scope of Bid.....	4
2. Eligible Bidders	4
3. Corrupt, Fraud.....	4
4. Eligible Goods and Services.....	4
B. The Bidding Documents.....	4
1. Content of Bidding Documents	4
2. Clarification of Bidding Documents.....	4
3. Amendment of Bidding Documents.....	5
C. Preparation of Bids.....	5
1. Cost of Bidding	5
2. Language of Bid.....	5
3. Bid Propose.....	5
4. Bid Prices	5
5. Bid Currency.....	5
6. Period of Validity of Bids	5
D. Submission of Bids	6
1. Sealing and Marking of Bids	6
2. Deadline for Submission of Bids	6



3. Late Bids.....	6
E. Opening and Evaluation of Bids.....	6
1. Opening of Bids	6
2. Clarification of Bids and Contacting Bidders.....	6
3. Preliminary Examination.....	6
4. Evaluation and Comparison of Bids.....	7
5. Clarification of Bids and Contacting HA-PAK.....	7
6. Post-qualification.....	7
7. Purchaser’s Right to Accept any Bid and to Reject any or All Bids.....	7
F. Award of Contract	7
1. Award Criteria.....	8
2. Purchaser’s Right to Vary Quantities at Time of Award	8
3. Notification of Award.....	8
4. Signing of Contract	8
G. Other Associated Conditions	8
H. Penalty on Delay in Project Completion.....	8
I. Modern Slavery.....	8
J. Selection Criteria of Bids/Proposals.....	8
Section II. Schedule of Requirements.....	11
1. Schedule of Requirements.....	11
1.1 BOQ of Solar Water Well Tharparkar	11
1.2 BOQ of Water Tank Tharparkar	15
1.3 Offered delivery period schedule.....	18
Section III. Bidders Questionnaire/Contact	18
1. Latest relevant work experiences	19

Section I. Instructions to Bidders

A. General

1. Scope of Bid

1. HA-PAK invites bids for the **Installation of the Water Wells in the following district of Pakistan.**
 - a) **3 Solar Water Wells Tharparkar**
 - b) **3 Water tank Tharparkar**
2. The successful Bidder is expected to complete the services by the Intended Completion date is given in section II, effective from the signing of the Contract.

2. Eligible Bidders

1. This Invitation for Bids is open to all NTN-holder Bidders from all over Pakistan
2. Bidders shall not be under a declaration of ineligibility for corrupt, fraudulent, and coercive practices issued by HA-PAK.
3. Bidders shall not be involved in terrorist acts/criminal activities or associated with individuals and/or entities associated with terrorist acts/criminal activities.

3. Corrupt, Fraudulent, Collusive, and Coercive Practices

1. HA-PAK requires that all; HA-PAK Staff, Bidders, suppliers or distributors, observe the highest standard of ethics during the procurement and execution of all contracts. HA-PAK shall reject any Bids put forward by Bidders or where applicable terminate their contract, if it is determined that they have engaged in corrupt, fraudulent, criminal activities collusive or coercive practices.

4. Eligible material/Goods

1. All goods /materials/ Services to be supplied under the contract shall have their origin in an eligible source (The "origin" means the place where the goods are produced, or the related services are supplied. e.g. Not smuggling goods), and all expenditures made under the contract will be limited to such Supply/construction.

B. The Bidding Documents

1. Content of Bidding Documents

The material/goods/services required, bidding procedures, and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:

- a) Instructions to Bidders (ITB)
- b) Contract for Supply/Services
- c) Schedule of Requirements
- d) Technical Specifications
- e) Selection criteria form

The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required in the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.

2. Clarification of Bidding Documents

A prospective Bidder requiring any clarification of the bidding documents may notify through e-mail and given in the tender notice, indicated in the published Tender Notice. While no telephonic inquiries will be entertained.

3. Amendment of Bidding Documents

1. At any time prior to the deadline for submission of bids, HA-PAK, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.
2. All prospective bidders who have received the bidding documents will be notified of the amendment in writing and will be binding on them.
3. In order to allow prospective bidders reasonable time to take the amendment into account in preparing their bids, HA-PAK, at its discretion, may extend the deadline for the submission of bids (if required).

C. Preparation of Bids

1. Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of its bid, and HA-PAK will not be responsible or liable for those costs.

2. Language of Bid

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and HA-PAK shall be written in the English language.

Supporting documents and printed literature furnished by the Bidder may be in another language provided.

3. Bid Proposal

The Bidder shall propose the Bid with complete detail and the appropriate Price Schedule, indicating the services and goods to be supplied or provided, a brief description of the goods/material, and their country of origin, quantity, quality, and prices.

4. Bid Prices

1. The Bidder shall indicate on the appropriate Price Schedule the unit prices and total bid price of the goods/services it proposes to supply under the contract.
2. 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. A bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected.

5. Bid Currency

Prices shall be quoted in the following currency: For services and goods/materials that the Bidder will provide/supply to HA-PAK, the prices shall be quoted in Pakistan Rupees (PKR currency).

6. Period of Validity of Bids

1. Bids shall remain valid for the period of 2 months after the date of bid opening prescribed by HA-PAK. A bid valid for a shorter period shall be rejected by HA-PAK as non-responsive.
2. In exceptional circumstances, prior to the expiry of the bid validity, HA-PAK may request that the bidders extend the period of validity for a specified additional period of not more than 30 days. The request and the bidders' responses shall be made in writing.

D. Submission of Bids

1. Sealing and Marking of Bids

The Bidder shall stamp and sign the filled document/tender and send a scanned or PDF copy of the bid, brief profile of relevant projects done/experience/registration certificates/ references, and other documents (*project name, project amount, Organization, date of completion and contact details*) in **a Zep Folder with mentioned firm Name and project Name**, via this specified e-mail at pk2420601.tender@humanappeal.org.uk

Duly marking the subject line **Project Code: (PK24-20601 Tender)** and **Project Location**, applied for. Final bidders will be also requested to submit their security deposit of 5% of the whole bid/proposal by courier/post or submit by hand at the country office of HA.

2. Deadline for Submission of Bids

a) Bids must be received by HA-PAK via the email box specified under instructions to bid (ITB), no later than (date and time) 17th March 2024, 5:00 PM.

b) HA-PAK may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB, in which case all rights and obligations of HA-PAK and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

3. Late Bids

Any bid received by HA-PAK after the deadline for submission of bids prescribed by HA-PAK will be rejected and will not be forwarded for the bid opening processes. The Bidder will assume the responsibility of un-possession of the bid documents.

E. Opening and Evaluation of Bids

1. Opening of Bids

The bidders, bids will be opened on 19th March 2024 at 2:30 PM. No bid shall be rejected at bid opening, except for late bids.

Bids that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders in case of sealed bids.

2. Clarification of Bids and Contacting Bidders

During the evaluation of the bids, HA-PAK may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing or physical meeting and no change in the prices or substance of the bid shall be sought, offered, or permitted.

3. Preliminary Examination

HA-PAK will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required guarantees have been furnished/referenced, whether the documents have been properly signed, and whether the bids are generally in order.

4. Evaluation and Comparison of Bids

HA-PAK will evaluate and compare the bids, which have been determined to be substantially responsive.

HA-PAK's evaluation of a bid will exclude and not take into account:



- a) In the case of goods/material/services, sales and other similar taxes will be the responsibility of the vendor, which will be payable on the goods/services if a contract is awarded to the Bidder;
- b) In the case of goods/materials of foreign origin offered from abroad, customs duties and other similar import taxes which will be payable on the goods if the contract is awarded to the Bidder; and

HA-PAK's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with one or more of the following factors:

- a) Delivery **schedule/completion period offered in the bid;**
- b) Deviations in payment schedule from that specified in the Conditions of Contract;
- c) Other specific criteria indicated and/or in the Technical Specifications, **(Refer to selection criteria under the section I below)**

5. Clarification of Bids and Contacting HA-PAK

- a) No Bidder shall contact HA-PAK on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of HA-PAK, it should do so in writing through the given e-mail.
- b) Any effort by a Bidder to influence HA-PAK in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

6. Post-Qualification

- a) In the absence of pre-qualification, HA-PAK will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB.
- b) The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as HA-PAK deems necessary and appropriate.
- c) Prior to award, HA-PAK shall verify and validate any documents/information submitted and if necessary shall conduct an ocular inspection of the Bidder office, plant/warehouse, and equipment.
- d) An affirmative determination will be a pre-requisite for the award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event HA-PAK will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

7. Purchaser's Right to Accept any Bid and to Reject any or All Bids

HA-PAK 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 the affected Bidder or any obligation to inform the affected Bidder or bidders of the grounds for HA-PAK's action.

F. Award of Contract

1. Award Criteria

HA-PAK will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

2. Purchaser’s Right to Vary Quantities at Time of Award

HA-PAK reserves the right at the time of contract award to increase or decrease, by the percentage indicated [+/- 50%], the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

3. Notification of Award

- a) Prior to the expiration of the period of bid validity, HA-PAK will notify the successful Bidder in writing, that its bid has been accepted
- b) The notification of award will constitute the formation of the Contract.

4. Signing of Contract

At the same time as HA-PAK notifies the successful Bidder that its bid has been accepted/selected, HA-PAK and the successful Bidder will sign agreements

G. Other Associated Conditions

- 1) All material/items/services must be 100% according to the specifications, quantity and quality as required
- 2) Bids should be included Carriage and Transportation/Delivery charges
- 3) Payment will be made after completion of services/delivery on the provision of bills and GRN/work completion report.
- 4) Payment will be through a cross cheque.
- 5) All applicable taxes are applied and will be deducted
- 6) Previous experience letter/pos for work (At least four)
- 7) Kindly enclose evidence of your experience with other organizations, NGOs or INGOs
- 8) The bidders will be responsible for submitting a **Bank Guarantee/Call deposit equivalent to Rs. 5%** of the total bid price in the name of the “**Human Appeal**” and attached PDF copy of the call deposit along with your bid/quotation.

H. Penalty on Delay in Project Completion

Sl No	Total Delay	% To be deducted from the contract value
1.	First 10 days	1.00%
2.	From 11 to 20 days	2.00%
3.	From 21 to 30 days	3.00 %
4.	Above 30 days:	Up to 10% As per discretion of the Procurement committee of HA

I. Modern Slavery

The Supplier shall comply with all applicable anti-slavery and human trafficking laws, statutes, and regulations from time to time in force including but not limited to the Modern Slavery..., and have and maintain throughout the term of this Agreement its own policies and procedures to ensure its compliance.

J. Selection Criteria of Bids/proposal Up to 10% As per the discretion of the Procurement committee of HA

INSTRUCTIONS – Bidders are required to complete all sections of the below table and mention the attached documents as annexures 1,2,3.....so on in the comments and attachments column

SELECTION CRITERIA			
Items	Question/indicators	Bidder's Response	
		Yes/No	Comments /and Attachments of Proofs
A ESSENTIAL CRITERIA (General)			
1	Bidder accepts Human Appeal's Terms and Conditions and complies with all RFP/RFQ mandatory requirements /information on the same tender format.		
2	The bidder confirms they are not a prohibited party under applicable sanctions laws or anti-terrorism laws. (Local and international)		
3	Suppliers/Vendors are not any prohibited parties or on Government debar/ Blacklisting by any organization.		
4	Have a valid NTN certificate/ GST certificate		
5	Valid PEC Certificate		
6	Utility bill offices as physical evidence		
CAPABILITY & SUSTAINABILITY QUESTIONS			
B Company Experience and References (Point 12) (4 for Each)			
1	Experience of a company on similar projects (Minimum 4) 04 projects experiences = 4 03 projects experiences = 3 02 projects experiences = 2 01 projects experiences = 1		
2	working experiences in relevant Area or Regional Experience (previous) if yes= 4 If Nearby = 3 If No =1		
3	Quality of Reference Check If up to mark 4 If Moderate 2 If a Negative Response is 0		
C Financial Health of Company (Points 16)			
1	Project Implemented Worth of Similar projects (Highest valued work orders) if average of 4 project values is above the total of HA Budget = 10 80 % of total budget=8 50 % of total =5 Below the 50% of the Budget = 2		
2	Latest Bank Maintenance Certificate if yes= 3 If No =0		
3	The latest Financial Audit report of Frim if yes= 3 If No =0		
D Quality of Bid/Proposal and Lead time. (Points 06)			
1	Proposed completion time for this projects (3-7 Months) if 3 Months or below = 6 if within 5 Months = 3 if within 7 Months = 2 if the above 7 months = 0		



E	Environmental, Social, Health, and Safety Impact (Points 06)		
1	The bidder demonstrates activities OR has processes in place within their organization. (e.g., paperless offices, green technology in offices, policies, training programs, community outreach programs, etc.) If Yes = 3 If No = 0		
2	Availability of in-house personnel dedicated person to ESHS issues(Please attached Profile of Personnel) If Yes =03 If No = 0		
F	Financial proposal/Bid offered (Points 60)		
1	Overall project costs Lowest bidder =40 2nd Lowest Bidder =35 3rd Lowest Bidder=30 4th Lowest bidder=20 5 lowest Bidder = 10 above then 5th =05		
2	The Supplier provides bid security /Pay order / a bank guarantee relevant to the project If Yes =10 If No =05		
3	The Supplier asks to be paid advance payment in case selected for the project: If 0% advance=10 If 10% advance=07 If 20% advance=04 If 30% advance=01		
Note: Please attach all Scanned or PDF documents along with the bid/ offer/quotation in one zip folder with your organization and project names and send via the given email			Total Points=100

Section II. Schedule of Requirements

BoQs Solar Water Well

S. #	Description of work	Specification	Unit	Nos.	Measurements (Feet)			Quantity(Units)	Rate	Amount (PKR)
					L	B/W	H/D			
A. Plumbing Work & Civil Work										
A-1	Excavation: Excavation for Delivery Pipe From Bore to Water tanks: Excavation for underground of pipe, all kind of soil including rock and removing all vegetation along with their roots and back filling selected excavated.	Excavation and Refilling for underground of pipe, Delivery pipe will be concealed at the depth of 3 feet deep, it will be all kind of soil including rock and removing all vegetation along with their roots and back filling selected excavated.	rft.	1	2,760	-	-	2,760		-
A-2	Construction: Well Stand post(5'x1.5'x2')	Construction of Well Stand Post for Bore covering platform of size (5'x1.5'x2' internally) at least 1'in the ground and 1' above the ground.) with 4.5" brick masonry set in 1:4 CSM, covered with RRC slab set in ratio 1:2:4.	Job	1	-	-	-	1		-
A-3	Providing and fixing of Y Style Steel fence for Solar safety 5 feet height & 1x1x2 feet in foundation rust protected strong enough to withstand high speed wind with all accessories. Must have a minimum use life of 10+ years.	Y style Steel fence for Solar safety 5 feet height & 7' pipe pole 1'x1'x2' in foundation filling with concrete(1:2:4) and 5' distance pole to pole rust protected strong, including one side doors with all accessories. Must have a minimum use life of 10+ years.	Job	1	-	-	-	1		-
Sub Total of "A"										-
B. Digging & Installation of Deep Borehole										
B-1	Digging of well 5" Φ including labor, carriage etc.	Digging of well 5" Φ manual including all labor, machin carriage & transportation and water etc.	rft.	1	183	-	-	183		-

B-2	Providing & fitting of UPVC Casing pipe and filter pipe C class 4" Φ including, shrouding, proper fixing of filter socket, Stoper, compacting of gravel and all accessories.	UPVC Casing pipe (Preferably Prince/ Pak Arab) and filter pipe C class high quality rubber rings conforming to pakistan standred 3051, 4" Φ including proper fixing of filter socket, Stoper, compacting of gravel/ shrouding and all accessories.	rft.	1	193	-	-	193		-
B-5	Providing & fitting of outlet delivery (HDPE) pipe 1" Φ including all accessories etc.	HDPE pipe@ 1"Φ including sockets or joints and all accessories etc. Pipe has manufacturing as per the PS standerds or ISO certified (ISO 4427) 1- Excavation of Pipeline 3' ft underground 2- Laying fitting joining the pipewith all aspect3- Backfilling 4- Fitting at Water Tank with with two ways one is valve is one both sides, one tee (as at water tank there are two way of pipe one is inlet of tank and one is for outside for checking water flow)	rft.	1	2,760	-	-	2,760		-
Sub Total of "B"										-
C. Solarization Work										
C-1	Providing & instalation of Multistage AC Submersible Pump; - 2 HP, Three Phase - PV Disconnect -Automatic water control sensor with all respective material.	Pump should be supplied having standard ISO-9906 & specifications. The pump must be submersible, made of stainless steel. And automatic water control sensor with all respective material. The quoted pump & sensor should be tested for its performance and -certified as per ISO-9906 standard. The winding material should be 99.99% copper	No.	1	-	-	-	1		-
	Providing & instalation of Multistage AC Submersible Pump; - 3 HP, Three Phase - PV Disconnect -Automatic water control sensor with all respective material.	Pump should be supplied having standard ISO-9906 & specifications. The pump must be submersible, made of stainless steel. And automatic water control sensor with all respective material. The quoted pump & sensor should be tested for its performance and -certified as per ISO-9906 standard. The winding material should be 99.99% copper	No.	1	-	-	-	1		-

	<p>Providing & instalation of Multistage AC Submersible Pump;</p> <ul style="list-style-type: none"> - 5 HP, Three Phase - PV Disconnect -Automatic water control sensor with all respective material. 	<p>Pump should be supplied having standard ISO-9906 & specifications. The pump must be submersible, made of stainless steel. And automatic water control sensor with all respective material. The quoted pump & sensor should be tested for its performance and -certified as per ISO-9906 standard. The winding material should be 99.99% copper</p>	No.	1	-	-	-	1		-
C-2	<p>For 2 HP Providing & fixing of Solar PV Module - Polycrystalline - 550 Watts each (Preferably Italian/German or equivalent with 18+% effeciency & min 15 years warranty. Job includes complete instalation with all respect). Note: The required watts & number of modules may vary as per needs.</p>	<p>The PV Panel must have clear anodized aluminum frame with Anti-reflective, hydrophobic, low-iron Tempered cover glass. The Solar Modules shall meet the following valid IEC Standards or latest: IEC 61215-1, IEC 61215-1-1, IEC 61215-2 ;2016 (Design Qualification) IEC 61730-1:2016 (Safety - Requirements for construction)</p>	Watts	1	6,600	-	-	6,600		-
C-2	<p>For 3 HPProviding & fixing of Solar PV Module - Polycrystalline - 550 Watts each (Preferably Italian/German or equivalent with 18+% effeciency & min 15 years warranty. Job includes complete instalation with all respect).Note: The required watts & number of modules may vary as per needs.</p>	<p>The PV Panel must have clear anodized aluminum frame with Anti-reflective, hydrophobic, low-iron Tempered cover glass.The Solar Modules shall meet the following valid IEC Standards or latest:IEC 61215-1, IEC 61215-1-1, IEC 61215-2 ;2016 (Design Qualification)IEC 61730-1:2016 (Safety - Requirements for construction)</p>	Watts	1	8,800	-	-	8,800		-

C-2	<p>For 5 HP Providing & fixing of Solar PV Module - Polycrystalline - 550 Watts each (Preferably Italian/German or equivalent with 18+% efficiency & min 15 years warranty. Job includes complete installation with all respect). Note: The required watts & number of modules may vary as per needs.</p>	<p>The PV Panel must have clear anodized aluminum frame with Anti-reflective, hydrophobic, low-iron Tempered cover glass. The Solar Modules shall meet the following valid IEC Standards or latest: IEC 61215-1, IEC 61215-1-1, IEC 61215-2 ;2016 (Design Qualification) IEC 61730-1:2016 (Safety - Requirements for construction)</p>	Watts	1	8,800	-	-	8,800		-
C-3	<p>Providing and fixing of inverter 3 phase with DB box total. VFD= 4 KW for 2 HP Pump It may be vary at the load and distance on ground. . Required Input volt, min. 640V max 780V & output min. 320V max. 380V. the inverter must be ISO 9001, ISO 14001 and CE Certified.. Job includes complete installation with all respect). Note: The required kv of modules may vary as per needs</p>	<p>Providing and fixing of 4 KW inverter 3 phase with DB box . Required Input volt, min. 640V max 780V & output min. 320V max. 380V. the inverter must be ISO 9001, ISO 14001 and CE Certified.. Job includes complete installation with all respect). Note: The required kv of modules may vary as per needs</p>	Job	1	-	-	-	1		-
	<p>Providing and fixing of inverter 3 phase with DB box total. VFD= 5 KW for 3 HP Pump It may be vary at the load and distance on ground. . Required Input volt, min. 640V max 780V & output min. 320V max. 380V. the inverter must be ISO 9001, ISO 14001 and CE Certified.. Job includes complete installation with all respect). Note: The required kv of modules may vary as per needs</p>	<p>Providing and fixing of 5 KW inverter 3 phase with DB box Required Input volt, min. 640V max 780V & output min. 320V max. 380V. the inverter must be ISO 9001, ISO 14001 and CE Certified.. Job includes complete installation with all respect). Note: The required kv of modules may vary as per needs</p>	Job	1	-	-	-	1		-

	<p>Providing and fixing of inverter 3 phase with DB box total.</p> <p>VFD= 11 KW for 5 HP Pump It may be vary at the load and distance on ground. . Required Input volt, min. 640V max 780V & output min. 320V max. 380V. the inverter must be ISO 9001, ISO 14001 and CE Certified.. Job includes complete instalation with all respect). Note: The required kv of modules may vary as per needs</p>	<p>Providing and fixing of 7KW-11 KW inverter 3 phase with DB box Required Input volt, min. 640V max 780V & output min. 320V max. 380V. the inverter must be ISO 9001, ISO 14001 and CE Certified.. Job includes complete instalation with all respect). Note: The required kv of modules may vary as per needs</p>	Job	1	-	-	-	1		-
C-4	<p>Providing and fixing of Solar structure to fix all panels in row with foundation rust protected strong enough to withstand high speed wind with all accessories.</p>	<p>Each foundaton of stand must have 1.5X1.5X1.5 foundation and all should be at ground level, kaming ground in level/cutting leveling, and fixing of stand for solar panels.</p>	Job	1	-	-	-	1		
C-5	<p>Providing and laying of Cables, 6 mm, 3 core (Pump to Controller),</p>	<p>6 mm silver wire, 3 core Cables shall be clearly labelled with essential electrical parameters including manufacturer name, Voltage Range, standards etc.(Pakistan cable or equivalent)All wiring should be in proper conduit of capping casing. Wire should not be hanging loose.</p>	rft.	1	2,810	-	-	2,810		
C-6	<p>Safety Rope for Pump & accessories with u clips & all respect.</p>	<p>6 mm Steel with PVC coated with Clips and All Aspect.</p>	ft	1	203			203		
Sub Total of "C" with 2 HP Motor										
Sub Total of "C" with 3 HP Motor										
Sub Total of "C" 5 HP Motor										
Total Cost of Type 2 Solarized Water Well with 2HP Motor								1		
Total Cost of Type 2 Solarized Water Well with 3HP Motor								1		
Total Cost of Type 2 Solarized Water Well with 5HP Motor								1		
Total Cost								3		

BoQs Water Tank								
S. #	Work Type	Description	Specification	Unit	Nos.	Qty	Rate	Amount (PKR)
A-1	Water Tank Work(8'x8'x5')	Excavation for foundation, in all kinds of soil including rock and removing all vegetation along with their roots and back filling with selected excavated material in foundation.	Excavation for foundation, in all kinds of soil including rock and removing all vegetation along with their roots and back filling with selected excavated material in foundation.	cft	1	286.00		
A-2		Excavation for foundation for waste water animal trough/puddle, in all kind of soil including rock and removing all vegetation along with their roots and back filling with selected excavated material in foundation.		cft	1			
A-3		Providing & laying of PCC (with nominal ratio 1:2:4, 1 cement, 2 sand and 4 crush) cement concrete using well graded crush half inch and down gauge, free from mud and dust in foundation including levelling, compacting, finishing and curing complete in all respect.	Cement (OPC 50-Kg / Bag fresh & free of Clots) by Company of Lucky/Falcon or Equivalent Sand (Hill Sand fine bolari free from, soil, debries and other impurities) Crush angular graded hard (not lime stone) half inch and half inch down	cft	1	96.88		
A-4		Providing & laying of PCC for animal trough/Puddle (4'X2') (with nominal ratio 1:2:4, 1 cement, 2 sand and 4 crush) cement concrete using well graded crush half inch and down gauge, free from mud and dust in foundation including levelling, compacting, finishing and curing complete in all respect.		cft	1			
A-5		Providing & laying of PCC Flooring for Water Point area at Tank 2' wide and 6" thickness with ratio of 1:2:4.		cft	1			
A-6		Providing & laying of first class solid burnt brick masonry set in cement mortar in 1:4, in straight or curved walls with thickness of 22.5", 18", 13.5" and less in thickness including scaffolding, raking, out joints and curing, etc complete in all respect.	Bricks (A class), stacking, one piece, well burnt, ringing sound, smooth surface, free from inorganic composition. Broken bricks will not be accepted.	cft	1	550.39		
A-7				cft	1			
A-8				cft	1			
A-9				Brick masonry For Water Point aea at Water Tank, of first class solid burnt bricks set in cement mortar in 1:4 in straight or curved walls 4.5" in thickness of water point (6" in ground and 6" above the Ground)	cft			
A-10		Brick masonry For Waste water animal trough/ puddle, of first class solid burnt bricks set in cement mortar with 1:4 in straight or curved walls 9" in thickness of water po	construciotn of new Tank/puddle for animal with PVC pipe connecting waste water of taps of existing water tank: Local (First class bricks size 9"*4.5"*3") and local sand & ISO certified Cement (As mentioned above) water tank with size of 4X2X2 with wall thickness of 9" one feet below to ground and one feet above the ground total two feet height of 9" wall of all sides, include PVC pipe of 40 feet of 3" to connect with waste water of Exisiting water tank,	cft	1			

A-11	<p>RCC work For Bottom Slab including all labour and materials Bottom Slab of 0.5" thickness. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing the exposed surface including screening and washing of shingle. RCC work in bottom slab in all respects ratio of 1:2:4</p>	<p>Cement (OPC 50-Kg / Bag fresh & free of Clots) by Company of Lucky/Falcon or Equivalent</p> <p>Sand (Hill Sand fine bolari free from, soil, debries and other impurities)</p>	cft	1	104.38		
A-12	<p>RCC work For Roof Slab including all labour and materials Roof Slab of 4" thickness. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing the exposed surface including screening and washing of shingle. RCC work in roof, slab, in all respects ratio of 1:2:4</p>		Crush angular graded hard (not lime stone) half inch and half inch down	cft		1	
A-13	Deduction for water tank cover			cft		1	
A-14	Fabrication of mild steel reinforcement for bottom slab (40 grade) with cut length 10.6 ft,(total number of Bars of 10.60ftX65) with spacing of both bars may be kept @ 4" C/C including curing position making joints and fastening including cost of binding wire also includes removal of rust from bars.	Deformed steel 1/2" dia by company of Amreli/Mughal or Equivalent Steel Must be in Full Guage	Kg	65	434.09		
A-15	Fabrication of mild steel reinforcement for roof slab (40 grade) with cut length 12.25 ft, (total bars of 12.25ftX75) spacing of both bars may be kept @ 4" C/C including curing position making joints and fastening including cost of binding wire also includes removal of rust from bars.			75			
A-16	Interior double plaster mixed with Paldlo (water proofing admixture) (with ratio1:3, 0.75", 0.50" thick) 1 cement 3 sand, on inside of walls with finishing and curing etc. complete in all respect.	<p>Cement (OPC 50-Kg / Bag fresh & free of Clots) by Company of Lucky/Falcon or Equivalent</p> <p>Sand (Hill Sand fine bolari free from, soil, debries and other impurities)</p>	sft.	4	736.86		
A-17	Exterior double plaster Upto Plinth Level (with ratio1:3, 0.75", 0.5" thick) 1 cement 3 sand on outside of walls with finishing and curing, etc., complete in all respect.		sft.	4			
A-18	Exterior double plaster above plinth level to top wall (ratio1:3, 0.75", 0.5" thick) 1 cement 3 sand on inside of walls with finishing and curing, etc. complete in all respect.		sft.	4			
A-19	Exterior double plaster on Slab Chhajja (with ratio1:3, 0.75", 0.5" thick) 1 cement 3 sand on Chhajja with finishing and curing, etc. complete in all respect.		sft.	1			
A-20	Interior double plaster for waste water animal trough/puddle (ratio1:3, 0.75", 0.5" thick) 1 cement 3 sand		sft.	1			

	on inside of walls with finishing and curing, etc., complete in all respect.					
A-21	Exterior double plaster for waste water animal trough/puddle (with ratio1:3, 0.75", 0.5" thick) 1 cement 3 sand on inside of walls with finishing and curing, etc. complete in all respect. (9" Topper and 1 ft above the Ground)		sft.	1		
A-22	Double plaster for Water Point area wall at tank (with ratio1:3, 0.75", 0.5" thick) 1 cement 3 sand on inside of walls with finishing and curing, etc., complete (4.5" Topper and 6" above the ground from exterior side and 6" from interior side)		sft.	1		
A-23	Double plaster for Water Point area at tank (with ratio1:3, 0.75",0.5" thick) 1 cement 3 sand on inside of water point platform 2' wide and curing, etc., complete.		sft.	1		
A-24	Providing and laying of 2" thick Floor screeding inside the water tank (with ratio1:3) 1 cement 3 sand and curing, etc. Complete in all respect.		sft.	1	210.06	
A-25	Providing laying of 2" thick topping of roof of the water tank (with ratio1:3) 1 cement 3 sand & and curing, etc. complete in all respect.		sft.	1		
A-26	Deduction for water tank cover		sft.	1		
A-27	Providing and laying of of 5" thick chamfer/Golla mixed with padlo (with ratio1:3) 1 cement 3 sand inside all the cornes of Water tank.		rft	1	52.00	
A-28	Earth filling with local available sand.	Sand (Local Sand fine bfree from debries and other impurities)	cft	1	192.00	
A-29	Providing and applying 3 coats of weather shield with HA logo color including preparation of surface etc on the walls of water tank.	Applying 3 coats of weather shield with HA logo color, including preparation of surface.By Company of master/ Relince or Equivelent	sft.	4	444.51	
A-30	Providing and applying 3 coats of weather shield with HA logo color including preparation of surface etc on the Chajja of water tank.		sft.	1		
A-31	Providing and installation of water Tank Door/Cover/manhole (Made by steel 16 SWG sheet with 2" angle) Size 2'x2'	Tank Door/Cover/manhole (Made by steel 16 SWG sheet with 2" angle) Size 2'x2', pre red oxided and oil painted	No.	1	1	
A-32	Construction of well furnshed stand post with bricks, cement, sand, crush, (Water point with (Size 3'x4'x1'), with	Stand/platform of size 1.5X1.5X2.5 with Cement (Lucky, Bestway, Askari) concrete ratio of 1:2:4 by fixing a (GI Pipe as mentioned in below in B-2) inside it which	No.	4	4	

		1.5X1.5X2.5 ft post fixing of pipe inside it with Long Bib cock 1/2" Φ and all fitting accessories.	connects the water supply line from water tanks a Tap will be fixed here with Elbow Socket etc, and water stand point with (size 3'x4'x1') with brick masonry of 4.5". Finishing with Plaster and Two coats of weather shield of HA color					
Sub Total "A"								
"B"		Water Tank Plumbing Work:						
B-1	Water Tank Plumbing Work	Providing and fixing cutting of cleaning Inlet & outlet G.I pipe @ 2" Φ, 2.5' length including socket, Elbow, Stoper and Valves and all accessories	GI IIL pipe with 2" dia and 2.5' in length including socket , elbow, stoper with good quality Pipe for Outlet (Cleaning), Inlet and Over Flow	No.	3	3.00		
B-2		Pipe Fitting on Existing Water Tank: Providing and fixing of GI IIL outlet pipe of 0.75 inch dia including socket, Elbow, Stoper and Valves and all accessories their respective work This pipe will be used at Tap at Tanks to HH Connections.	GI IIL Pipe 0.75 (M) inch dia including socket, bush socket, elbow, Valves, Tee and all accessories.	rft.	1	80		
B-3		Providing and fixing cutting of outlet G.I pipe @ 0.75"Φ, 2.5' length including socket, Elbow, Stoper and all accessories	GI IIL pipe with 0.75" dia and 2.5' in length including socket , with good quality Pipe for Taps	No.	8	8.00		
B-4		Providing and fitting of S/F Long & best quality Bib cock with C.P Head 1/2" Φ.d all accessories	Taps by Company of Master/ or equivalent	No.	8	8.00		
B-5		Providing an fixing of PVC pipe 3" dia with one elbow and one jali	UPVC pipe 3" dia with steel jali and elbow for Drainage of Water point to animal trough/puddle , PVC pipe by Company of Pak Arab, Jeddah or equivalent	rft	40	40.00		
B-6		Providing and fixing of HDPE pipe@ 0.75"Φ from water tank to HH Hamlet level tap (preferably DADEX/ National) including sockets or joints and all accessories etc.	HDPE pipe@ 0.75"Φ (preferably DADEX/ National) including sockets or joints and all accessories etc. Pipe has manufacturing as per the standers or ISO certified (ISO 4427) The pipe will be count as per Running ft, so it may be increase of decrease	rft.	4	3,200.00		
Sub Total "B"								
Grand Total A+B (PKR)								

Note: Offered Installation/Delivery period of Water well

Proposed Completion Time	1 Months	1.5 Months	3 Months
If other than above please specify here...			

Note: Asking for advance payment in case of selection (please tick one only)

0% Advance payment	10% Advance payment	20% Advance payment	30% Advance payment

Section III needs to be filled with complete information

Section III. Questionnaire/Contact Form

1. Bidders Questionnaire/Contact Form

While the bid documents can be downloaded from the website www.humanappeal.org.pk (<https://humanappeal.org.pk/work/tender.php>) and <https://www.iapg.org.uk/tenders/> bidder has to submit back the evidence/proof documents along with filled tender document/bids with completed information and documents in Scanned/PDF format in **a one zip folder with the name of your organization and project (for example (PK-23-AUS Tender))**

HA-PAK

Bidders Questionnaire/Contact Form

1) Organizational Information

Organization Name	
Legal Status of Organization	1- Public Limited <input type="checkbox"/> 2-Private Limited Company <input type="checkbox"/> 3-Partnership <input type="checkbox"/> 4-Sole Trader <input type="checkbox"/> 5-Other(Please specify)_____
NTN Number	
Postal Address	

2) Contact Information:

	Main Contact (Executive head)	Focal Person
Name		
Designation		
Telephone (with city code)		
Mobile Phone		

