



INVITATION FOR TENDER

Date: July 04, 2024

Tender Ref # DF/6HW09/IFT0001

Tender Subject: Procurement of clean and safe drinking water supplies and survives Sustainable, inclusive climate resilient WASH models for Rural Poor in District Lodhran.

Doaba Foundation (Contracting Authority) is a Non-governmental organization working with the vision “Disaster prone communities becoming self-reliant in pursuit of their common interests”. Doaba is implementing safe drinking water project in district Lodhran with the technical & financial support and financial support of Water Aid Pakistan. For more detail refer to Doaba Foundation website;

Website: www.doabafoundation.com

Doaba Foundation would like to invite competent, certified, qualified and experienced bidders/suppliers who can accept the challenge to deliver quality supplies and services with according to following scope, timeline, terms and conditions.

1. Scope of Tender:

Doaba Foundation requires supplies and service for ‘to reduce disease burden in one of the most poor and marginalized districts (Lodhran) of Punjab Province’. Doaba Foundation invites potential bidders to timely and qualitatively delivers of services in 09 villages of Tehsil Lodhran. Total deliverables 09 RO filtration plants and its all-associated works. All water facilities are required to installed and constructed considering social, environmental and physical safeguarding, such as avoiding social conflict during construction, safe disposal and drainage of wastewater, construction of infrastructure (installation of WFP etc.) considering environmental, accessibility, safety and security. Health and Safety at construction sites must be ensured by contractor that includes restriction of entry to construction site for irrelevant people, providing personal protection equipment (PPE) to labors, technicians, supervisors etc. PPEs minimally include items for head protection, foot protection, hand protection, Face/Eye protection, work visibility shirts etc.

Geographical outreach of sites/villages would be approximately 40 KM on average from Tehsil & District headquarter of Lodhran.

Doaba Foundation reserves the right to make lots of tender, award tender, increase or decrease in number of deliverable units and cancellation of tender considering reasons whatsoever (i.e timeliness, quality delivery, specialized offer of bids, cost effectiveness and any uncertain change). Whereas following are potential numbers of lots;

Lot 1: Civil work construction 09 rooms with dispensing area in district Lodhran.

Lot 2: Installation of 09 RO Water Filtration Plants and Solar Energy system according to given design in attached BOQs at Tehsil & District Lodhran.

2. **Guidelines for tenderer:**

By submitting a tender, tenders fully and unconditionally accept the conditions of this call for tenders, which will constitute the governing the contract as the sole basis of this tendering procedure, whatever the tenderer own conditions of sale may be, which they hereby waive. Tenderer are expected to examine carefully and comply timelines with all instructions, forms, contract provisions and specifications contained in this tender dossier. Failure to submit a tender containing all the required information and documentation within the deadline specified will lead to the rejection of the tender. No account can be taken of any remarks in the tender relating to the tender dossier; remarks may result in the immediate rejection of the tender without further evaluation.

To be eligible to take part in this tender procedure, tenderer must prove to the satisfaction of the Contracting Authority that they comply with the necessary legal, technical and financial requirements and have the means to carry out the contract effectively. Participation is open to neutral persons, participating individually of tenderers, Company, and Firm.

The foreseeable timetable for this procedure is as follows:

	DATE	TIME in PST
Deadline for requesting clarifications from the Contracting Authority	30-07-2024	12:00 PM
Last date on which clarifications are issued by the Contracting Authority	02-08-2024	05:00 PM
Deadline for submission of tenders	07-08-2024	05:00 PM

Please note that the contents of this tender document are subject to change.

3. **General terms and conditions**

All offered commodities must be sound, fair and in merchantable quality. The quality must be in line with the specifications stated in this tender.

- Timely arrival in accordance with the negotiated delivery periods is of almost important.
- **Firm/Company must be registered from Pakistan Engineering council and fall in C-6 category for LOT-1**
- **For LOT-2 must be private limited companies, ISO Certified and manufacturing companies (mandatory)**
- Partial shipments are not allowed without authorization of the Contracting Authority
- The Contracting Authority holds the right to change quantities and slight changes to the technical specifications.
- The origin of all products required to be indicated in the offer. (Brand, specifications, other technical details)
- In case an alternative to the specified items is offered, this must be clearly indicated and excessively documented.
- Doaba Tender committee has reserve the right without any condition/justification to award complete tender to single bidder or award different lot/s (complete lot/s) to different bidders.



- Lowest bid will not be the Sole/only criteria, relevant experience of the bidder's company, quality of sample/technology offered, and delivery time will also be considered for the successfulness of bidder
- Bid security: Selected tenderer must have to submit 5% Bid Security before signing the Purchase order/agreement/contract.

Summary of work



Sr	Item	Description	Unit	Quantity	Rate unit	Total cost
1	Excavation	Excavation in all types of Soil i.e. Sandy, Clayey, Rocky, Hard, average Soft, Wet or dry complete in all aspects and/or as directed by the Project Engineer	CFT	684.0		
2	3" thick Brick Ballast	Brick ballast of 1st class bricks properly compacted and filled with sand in the foundation after excavation	CFT	119.5		
3	3" thick PCC (1:4:8) in Foundation	PCC (Ratio 1:4:8) complete in all aspects and/or as directed by the Project Engineer	CFT	60.8		
4	Brick masonry	Brick masonry 1:4 ratio c/s and It is clearly mentioned that 1800 – 2000 PSI strength Bricks shall be used required compressive strength test report on site.	CFT	687		
5	Backfilling	Providing & laying backfilling of soil within layers of 6 inches, along with its compaction using water to make soil wet before compaction till dpc level	CFT	308.0		
6	DPC	Providing & laying P.C.C. 1:2:4 (1 Sulphate Resistant Cement, 2 Sand [free from salt & mud] and 4 Crushed Stone 1/2" as coarse aggregate) including leveling, vibrating, compacting & curing, including form-work and polythene sheet followed by 2 coats of hot bitumen on DPC, complete as per drawings and specification and/or as directed by the Project Engineer	SFT	38.3		
7	Mosaic flooring	1½"(40 mm) thick conglomerate mosaic flooring, consisting of ½ " mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete provided in room floor, ramp top, and under drain grill in washing area including rubbing, grinding complete with finishing using grey cement complete in all aspects and/or as	SFT	141.0		



		directed by the Project Engineer				
8	PCC 1:2:4 in Plinth Protection	Providing & laying P.C.C. 1:2:4 (1 Cement, 2 Sand [free from salt & mud] and 4 Crushed Stone 1/2" as coarse aggregate) including leveling, vibrating, compacting & curing, including form-work if any, complete as per drawings and specification and/or as directed by the Project Engineer	CFT	29.5		
9	RCC (1:2:4) in Roof Slab with 2' Projections on all sides	Providing & laying P.C.C. 1:2:4 (1 Cement, 2 Sand [free from salt & mud] and 4 Crushed Stone 1/2" as coarse aggregate) including leveling, vibrating, compacting & curing, including form-work if any, complete as per drawings and specification and/or as directed by the Project Engineer	CFT	167.1		
10	RCC (1:2:4) in room walls lintel 9" thick	Providing & laying R.C.C. 1:2:4 (1 Cement, 2 Sand [free from salt & mud] and 4 Crushed Stone 1/2" as coarse aggregate) including leveling, vibrating, compacting & curing, including form-work if any, complete as per drawings and specification and/or as directed by the Project Engineer	CFT	23.3		
11	RCC (1:2:4) in room and washing area floor	Providing & laying R.C.C. 1:2:4 (1 Cement, 2 Sand [free from salt & mud] and 4 Crushed Stone 1/2" as coarse aggregate) including leveling, vibrating, compacting & curing, including form-work if any, complete as per drawings and specification and/or as directed by the Project Engineer	CFT	36.9		
12	RCC (1:2:4) in Ramp	Providing & laying R.C.C. 1:2:4 (1 Cement, 2 Sand [free from salt & mud] and 4 Crushed Stone 1/2" as coarse aggregate) including leveling, vibrating, compacting & curing, including form-work if any, complete as per drawings and specification and/or as	CFT	15.0		



		directed by the Project Engineer				
13	RCC (1:2:4) in Arial Beam on Brick Columns	Providing & laying R.C.C. 1:2:4 (1 Cement, 2 Sand [free from salt & mud] and 4 Crushed Stone 1/2" as coarse aggregate) including leveling, vibrating, compacting & curing, including form-work if any, complete as per drawings and specification and/or as directed by the Project Engineer	CFT	6.5		
14	Plaster (Internal)	Plastering 1/2" thickness with 1:4 concrete mix (1 cement, 4 sand) on all internal and external surfaces of all sides complete as per drawing and specification and/or as directed by the Project Engineer	SFT	560.0		
15	Plaster (External)	Plastering 1/2" thickness with CS 1:4 concrete mix (1 cement, 4 sand) on all internal and external surfaces of all sides complete as per drawing and specification and/or as directed by the Project Engineer	SFT	968.0		
16	Ceramic tiles	Ceramic tiles of size 16" x 16" or 12" x 12" x 3/8" of Master/Times/Shabbir with bond for tile fixing, over 3/4" (20 mm) thick tile bond, 1:2 including tiles skirting of 4" on all walls of the room, cement washing and filling joints complete in all aspects and/or as directed by the Project Engineer	SFT	169.0		
17	Roofing Treatment	Providing and laying single layer of sharp edged good quality Brick tiles having 9" x 4.5" x 1" with grouting in CS 1:4 laid over the roof for rain water drainage in a slope of 2" on the roof also applying 2 coat of hot bichumen over plastic sheet complete in all aspects and/or as directed by the Project Engineer	SFT	150.0		
18	Door	Steel Door double leaf size 4'x7' 18 gauge open inside and fixed in angle iron frame of 2.5"x2.5"x1.5/8", having	SFT	28.0		

		smooth finishing and easy to open and close provided with double bracing on both sides also including 3 installation points along each side with manual lock system on both side and painting with enamel paints of approved brands like Deluxe/Berger/Master/bright/diamond complete in all aspects and/or as directed by the Project Engineer				
19	Window	Providing and fixing of steel window double leaf open able glazed comprising of 1/1/2"x1/5/8"x1/8" beams section for frame 3/4x1x1/8 Z section for leaves 1x1x1/8 T-sections with G.I wire gauge 18 and gauge size 3mmx3mm and complete iron leaves with mesh on in front complete having a column in the centre of both leaves for opening, lock and support. Painting 3 coats with enamel paints of approved brands like Deluxe/Berger/Master/brighto/diamond complete in all aspects and/or as directed by the Project Engineer	SFT	16.0		
20	Vent	Providing and fixing of steel vent fixed glazed comprising of 1/1/2"x1/5/8"x1/8" beams section for frame 1x1x1/8 T-sections with G.I wire guaze 20 and guage size 3mmx3mm and complete iron leave. Painting 3 coats with enamel paints of approved brands like Dulux/Berger/Master/brighto/diamond complete in all aspects and/or as directed by the Project Engineer	SFT	2.0		
21	Internal Paint with Distemper	Distemping with approved brand like Dulux/Nippon/Berger/Mobee to give an even shade. The cost includes scraping, sand paper with rubbing, smoothing the surface along with three coats over primer and wall putty of approved quality like Berger/Dulux/Nippon/Mobee complete in all aspects and/or as directed by the	SFT	496.0		



		Project Engineer				
22	Paint (External weather shield)	Providing and applying weather shield paint of approved brands (Brighto, Master, Berger, Nippon etc). The cost includes scraping, sand paper with rubbing, smoothing the surface along with use of primer 3 coats and water proof wall putty complete in all aspects and/or as directed by the Project Engineer	SFT	657.0		
23	Steel Reinforcement	Fabrication of mild steel Grade-60 reinforcement for cement concrete used in roof, projections, lintel, plinth protection, ramp, projection and floor i/c cutting, bending and laying in position i/c cost of binding wire, shuttering and removal of rust from bars. (Deformed) complete in all aspects and/or as directed by the Project Engineer	Kg	806.4		
24	Visibility	P/F of 4'X3' board of steel gauge 20, with MS pipe frame dia 1.5" SWG 18 and standing poles of same pipe and gauged, welded iron pieces 6 inches each at bottom of pole for anchoring in concrete and painting 2 coats of approved brands like Berger/Brighto/Master/Nippon and excavation for pipe and pouring PCC with ratio of 1:2:4 (Cement: sand:mortor). Height of the sign board is 8' along with 1' embedded inside the earth with concrete complete in all aspects and/or as directed by Project Engineer	Nos	1.0		
25	Floor drain grill	8" wide steel grill of gauge 1/8" (1 sutar) in angled iron frame 1"x1" of gauge 1/8" (1 sutar), painted with emulsion placed on the floor in the water collection area for the drainage purpose, it should be side pivot with angle iron frame, means openable from side. There will be two 5'	SFT	6.7		

		pieces of grill in washing area open able separately for cleaning purpose				
26	Side rail on the ramp	M/S Iron railing of gauge 16 including 2 coats of emulsion paint, with 3' height handrail on both sides of the ramp, Hand rails have dia of 2 inches, below hand rails there are 2 mid rails having dia of 1 inch each, all these rails are supported by Newel post of dia 3 inch and distance between each Newel post is 4'-6", each Newel post will be installed 8 to 10 inches below the ramp and properly covered with concrete ratio (1:2:4) as directed by the Project Engineer	RFT	20.0		
27	Front Grill	Providing and fixing of Iron grill of gauge 20 SWG MS iron square pipe 3/4" x 3/4" and size 9'-6" x 7' as per approved design, having 2 double leaf 3'x7' ft doors on both ends with 2 hinged pipes of 4 inches on each side of the sheet for fixing in the column also preparing surface and painting 3 coats with enamel paints of approved brands like Dulux/Berger/Master/brighto/diamond and concrete P.C.C (1:2:4) to fix the hinges inside the columns as directed by the Project Engineer	SFT	96.5		
28	Bore Hole digging	Drilling 6" dia bore in all types of soils / stratum	RFT	250		
29	End Cap	Providing and fixing of end cap with 4" dia or end plug BSS class D	Nos	1		
30	Strainer Casing Pipe	Installation of 4" dia PVC Class B pipe as blind pipe and strainer pipe	RFT	145		
31	Blind Casing Pipe	Installation of 4" dia PVC Class B pipe as blind pipe and strainer pipe	RFT	105		
32	Pipes for borehole and its casing					



	32a	1-1/4" dia (40 mm dia) PN-10 2.4mm Wall Thickness : 0.295 Kg/meter Weight	RFT	50		
	32b	1" dia (25 mm dia) PN-10 2.4mm Wall Thickness : 0.236 Kg/meter Weight	RFT	20		
33	Submersible pump	Supply and Installation of Submersible pump of 1.5 HP of Diamond/Faisal/CNP or equivalent along with suspension cable operating at 220 voltage with automatic switch complete accessories in all respect	Nos	1		
33a	Suspension Cable	Suspension cable for holding Submersible pump till 250 ft depth	RFT	250		
33b	Electric Wire	Providing and fixing Single Core PVC Insulated Copper Conductor Cable of 7/0.036" of approved brands like ZMS/Pakistan Cables/ green cables/ Copper gate complete in all aspects	RFT	250		
34	Delivery pipe	Supply and fixing with complete fitting HDPE pipe (1 inch dia) PN-20 2.4mm Wall Thickness : 0.295 Kg/meter Weight Yellow colour	RFT	200		
35	Automatic Float Switch System	Providing and connecting automatic float switch system of submersible pump with water tank including all accessories/ wire/ float to prevent overflow of the water from tank	Nos	1		
36	Water tanks	P/F 500 Gallon Capacity 3-5 layers LDPE food grade water storage tanks for raw and product water. The tanks must be from an approved brand as directed by the Project Engineer	Nos	2		
37	Water tanks Insulation around 500 Gallon water tank	1" thick thermopol sheet wrapped with duct tape and covering with PVC plastic cover	Nos	2		

38	Tap stand	Providing, fixing in wall and complete fittings of tap stand made with GI pipe (IIL-L), dia 2" and length 10 feet for tap stand with 05 Nos welded sockets (HE) dia 1/2" for taps and fixing 05 Nos SS taps dia 1/2" fixed in sockets on outer side. The pipe is provided with reducer sockets of 2"X1" on one end and stoper of dia 2" on the other, job included provision and fixing the tap stand including with CP Nozzles 8 inches fixed between socket and taps complete fittings and fixing on site as per engineer's direction. Tap stand must be connected with product water tanks discharge	Job	1		
39	CP nipple	CP Steel Chrome Plated Extension Faucet/Tap Nipple (4-Inch and Silver color)	No's	5		
40	PPRC piping	PVC food grade pipes of good quality PN-20 like Popular/Master or equivalent for water distribution including from submersible pump to storage tanks, all PPRC fittings are concealed inside the walls before plastering				
41	41a	(50 mm dia) PN-10 2.4mm Wall Thickness : 0.472 Kg/meter Weight)	RFT	30		
42	Gate valve	Providing and fixing gun metal peet/gate valve 50 mm dia (screwed):	Nos	2		
43	PVC pipe (Rain harvesting)	Providing and laying PVC pipe of 4" dia BSS class-B SCH-26/SDR-41 wall thickness 1/8" complete in all aspects and/or as directed by the Project Engineer	RFT	26.0		
44	PVC pipe for drainage	Providing and laying PVC pipe of 4" dia BSS class-B SCH-26/SDR-41 wall thickness 1/8" complete in all aspects and/or as directed by the Project	RFT	26		



		Engineer				
45	Borehole Collar	Providing and laying PCC (1:2:4) 1.5' x 1.5' x 1.5' around the PCC for preventing from seepage	CFT	4.5		
46	GI Bore Hole Well Cover	Providing and fixing of bore hole collar Having dia of 5 inch lock and openable and length of 3 ft	Job	1		
47	Conduit PVC fitting	Providing and fixing PVC Pipe for electric wiring recessed in wall complete in all aspects, all fittings are concealed inside the walls before plastering				
47a	47a	3/4" dia	RFT	100		
47b	47b	1" dia	RFT	50		
48	Copper conductor cable	Providing and fixing Single Core PVC Insulated Copper Conductor Cable of brands ZMS/Pakistan Cables/ green cables/ Copper gate complete in all aspects				
48a	48a	3 /0.029"	RFT	400		
48b	48b	7 /0.029"	RFT	250		
49	PVC 4 core	Providing and fixing PVC insulated, PVC sheathed 4 core of 7 /0.064" complete in all aspects	RFT	50		
50		Supply/Erection of Electricity				



50a	50a	Good quality witches 5 Amp	Nos	5		
50b	50b	3 pin, 5 AMP wall socket	Nos	5		
50c	50c	Power plug of 10 to 15 Amp	Nos	2		
50d	50d	Ceiling rose	Nos	2		
50e	50e	Button holder	Nos	5		
51	LED blub and buld holders	Supply And Installation of LED Bulb 18 watt of approved brand as directed by the Project Engineer	Nos	5		
52	Switch board	China switch board of good quality with 5 buttons and including fan capacitor and 3 inserting plugs	Nos	1		
53	Ceiling fan	Supply and installation of ceiling Fan 56" sweep 100% Copper of approved brands as directed by the Project Engineer	Nos	1		
54	Circuit breaker	Providing and fixing main circuit breaker of mccb 50 AMP including 4 circuit breakers of 32 AMP each as incoming having MS sheet box 18"x12"x6"	Nos	4		
Sub Total for one Room (PKRs) including all applicable Govt. Taxes						
Sub Total for 09 Room (PKRs) Including all applicable Govt. Taxes						
Construction/Lead Time (Days)						

4. Bill of Quantity:

Guidelines to prepare the bill of quantities:

- 4.1 The Bidders must submit the tender for all items.
- 4.2 Carefully read the each item and fill the unit rate and total amount accordingly
- 4.3 Avoid the cutting and overwriting. In case of any cutting the unit rate will be considered only.
- 4.4 Bidders are encouraged to quote competitive prices/rates of each items
- 4.5 Banned products/brands by the Government of Pakistan should not be accepted

Lot 1: Civil work on 09 RO Plants Rooms in Tehsil & District Lodhran.

Lot 2: Installation of 09 RO Water Filtration Plants 1000 LPH & machinery & Solar Energy system 6 KW

Sustainable, inclusive climate resilient WASH models for Rural Poor in District Lodhran						
Lot # 2 Water filtration plant and Solar system in tehsil & District, Lodhran						
Provision and installation of RO plant						
Required size of the plant		Height	7 ft			
		Length	7 ft 3 in			
		Width	3 ft			
Sr No	Items	Description	Model/Make	Qty.		
1	Frame	The RO Plant shall be mounted on Stainless Steel 304 frame, 50mmx 50 mm x 3mm, 8.0 g/cm ³		1		
2	Feed Pump	2.1 m ³ /hr. 4 bar Vertical Multistage Centrifugal Pump, Single Phase motor 50Hz.	CNP Brand. Imported and Brand/warranted New. Made in China, Model: CDLF	1		
3	Multimedia Rapid Sand Filter (With Automatic Backwash 4and Auto Resetting)	Vessel Size: 13"x54", Flow capacity 2.1 m ³ /hr, 4 bar operating pressure, Rated Test Pressure: 10 Bar, Material: FRP Vessel, Media: Silica Sand & Gravel. Total Media Height: 36", Gravel Bed Height: 10", Gravel Size: 10-12mm, Quartz Sand Bed Height: 32", Quartz sand Size: 6-8mm, 4-6mm, 2-4mm, 0.5-2mm, Total media weight: up to 120kg	Pentair/Pall	1		
4	Activated Carbon Filter (Automatic Backwash with Auto Resetting)	Vessel Size: 13"x54", Flow capacity 2.1 m ³ /hr, Rated Test Pressure: 10 Bar, Material: FRP Vessel, Media per tank: 3 cft Activated carbon media, Media weight: up to 50kg	Pentair/Pall. -Media: Deno Germany	1		

5	Cartridge filter 5M (Jumbo)	5 Microns; 20" x 1 core filter. PE Housing, Flow Capacity 4.1 m3/hr, Rating: 5 micron	Taiwan/USA	1		
6	Cartridge filter 1M (Jumbo)	1 Microns; 20" x 1 core filter. PE Housing, Flow Capacity 4.1 m3/hr, Rating: 1 micron	Taiwan/USA	1		
7	Chemical Dosing Pump	Dosing Pump, one for Anti-Scalent dosing, Pump type: Positive Displacement, Capacity: 5 ltr/hr with 5-7 bar pressure, Liquid end material: PP/PE, Power: 220V, 50Hz, Mode of Adjustment: Manual and Automatic, Solution tank capacity: 100 L, Material: Polyethylene	Etatron	1		
8	High Pressure Pump	2.1 m3/hr, 12 bar Vertical Multistage Centrifugal Pump - 01 Phase motor 50Hz, Max revolving speed: 2900 rpm	CNP Brand. Imported and Brand/Warranted. Unboxing and assembling on site New. Made in China-Model CDLF Series	1		
9	Reverse Osmosis membranes (Automatic Backwash with Auto Resetting) (Suitable for Removing TDS upto 2000 and all other chemicals)	Reverse Osmosis Anti-fouling membranes. Membrane type: Thin film Polyamide-urea composite, No, of vessels: 1, Design output: 1000 ltr/hr, Operating pressure: 10-11.5 bar, Operating temperature: 25-45 degree celcius, Maximum feed turbidity: 1NTU, Max SDI: <5, Maximum Chlorination valve: <0.1ppm, Maximum applied pressure: 4.14 MPa size Size: L:40", Dia 8"	Hydranautics / Filmtech	1		
10	RO Casing	R/O Fiber Glass FRP pressure vessel for 1 element, Seal type: O-ring, Maximum operating pressure: 30 bar, Test pressure: 40 bar	Eurotec/Pall/Hitec	1		
11	Pressure Gauges	Low-pressure Stainless-steel gauges; glycerin filled. Stainless Steel	Wika China / Equivalent	3		
12	Pressure Gauges	High-pressure Stainless-steel gauges; glycerin filled. Stainless Steel	Wika China / Equivalent	2		
13	Digital Flow meter	Digital Flowmeter for product water	Taiwan	1		



14	Digital Flow meter	Digital Flowmeter for reject water	Taiwan	1		
15	UV Light Filter with Control Box	Capacity: 1.2 m3/hr, Material of construction: SS, Length: 24"-36", Dia: 3", Inlet/outlet Dia: 1", Average useful life: 8000hr, UV Energy: 30000 micro watts second/sq.cm, Operating temperature: 25-40-degree calicoes	Lamp & Quartz sleeve: Atlantic US / First Life / Equaling	1		
16	Fittings	UPVC 80 schedule	Approved brand	1		
17	Blending: Anti sealant dosing pump System	Anti sealant dosing pump with blending system including tank of capacity 15-20 Liters and complete in all specification: Capacity: 0.25 m ³ /hr	Italy/USA	1		
18	Control box	Control box with contactor and overload safety circuits	Approved brand	1		
19	Control switches	Single Phase power safety cut-off control circuit	Approved brand	2		
20	Switches	On / Off switches; On and Trip indicator lights	Approved brand	1		
21	Low level switch	Trip on low level of product water tank	Approved brand	1		
22	TDS meter	TDS probe for TDS monitoring of Product Water	Approved brand	1		
23	Solenoid Valve	Inlet & Flush solenoid valve	Approved brand	2		
24	Safety control switch	To protect high pressure pump and membranes from over pressurization	Approved brand	1		
25	Safety switches	Feed Water / Product Water / Water Tanks Low / High Switch Safeties to avoid dry pump run	Approved brand	1		
Subtotal for one RO Plant (PKRs) including all applicable Govt. Taxes						
Subtotal for 09 RO Plants (PKRs) including all applicable Govt. Taxes						
Delivery/Lead Time (Days)						
Solar system 6 KWH						
Location		Tehsil Lodhran				
Assembly point		RO plant Roof				
Sr No	Items Name	Specifications	Quantity	Unit	Unit Rate	Total Amount



1	Solar Plate	solar plate size 45"x90" 550 watts, solar panels Mono perc half cut cell (JA solar, Jinko, Longi.nx solar)	6435	Watts		
2	VFD's	6KW,INVT Orignal,Imported, DO Sharing with MS steel frame or box for safety complete in all aspects	2	INVT Original		
3	Paint Work	Paint For Whole Structure (1 Bucket) 8 kg + Petrol (For Mixing)	1	L/S		
4	Bolts	Bolt, Length 12", Thickness.5" including Double Washle 32pcs	18	NO		
5	Round Hooks	Round Hooks, Fixed in the Pipes & Ground	75	NO		
6	Inverter	Good quality PV Inverter 6 KW hybrid and grid tie	1	NO		
7	Stand	Galvanized iron stand with 1.5" angle iron putty 18 SWG, with iron putty horizontal and vertical immoveable, fixed, resist storms, complete in all aspects as directed by the Engineer	6	Nos		
8	PVC Seethed Copper conductor cable of twin core size 7/0.036"	Providing and fixing twin Core PVC Insulated Copper Conductor Cable of brands ZMS/Pakistan Cables/ green cables/ Copper gate complete in all aspects	100	Rft		
9	Main electrical distribution board box	Electrical distribution board mental, open able, assembled on the wall of the electrical room, Voltage meter, enclosed electric meter, DC inverter, Switch and circuit breaker boards, complete in all aspects as directed by the	Nos	1		



		Engineer				
10	DC overload circuit breakers	Providing DC over load circuit breakers of sufficient watt capacities, enclosed plastic panel, approved brand.	1	NO		
11	Switch board	Switch board with 3 gag switch and 3 gag universal 3 pin socket Opal/Panasonic/ Equivilant brand, fixing on wall complete in all aspects as directed by Engineer	1	NO		
Subtotal for one Solar system (PKRs) including all applicable Govt. Taxes						
Subtotal for 09 Solar systems (PKRs) including all applicable Govt. Taxes						
Delivery/Lead Time (Days)						
Grand Total for Lot-2 (PKRs) including all applicable Govt. Taxes						

5. Marking and labeling

Marking and labeling is required where applicable and guided by manufacturer and safety standards.

6. Packaging and picking

For all items the packaging must be appropriate to the nature (size, weight) of the items and reach international standards. The packaging should avoid transport damages and protect from bad weather conditions. Costs of picking (Loading Unloading) and packaging and transportation must be included in the unit price of each item.

7. Samples/Pictures/Specifications

Samples will be requested only from shortlisted bidders. Tenderer who presents their bids after stipulated time or incomplete bids will be excluded from the tender evaluation process. The property of the samples remains to tenderer/sender and are to be delivered and collected at the cost of the tenderer. After tender evaluation, the samples can be collected at the address of sample delivery. If not collected within 07 days of the closing of the tender the property of the samples will be changed to contracting authority.

8. Delivery conditions

8.1: All transport details (Origin, City of Loading and Routing) must be indicated within the offer. Cost for transportation can be stated separately or included in the price of items. Partial shipments/delivery services without authorization of the Contracting Authority are not allowed. Each shipment/delivery of services must be announced with prior notice.



8.2: It is responsibility of bidder to safely provide the items/shipment/delivery of services at required/notified sites

8.3: The delivery of supplies and services will be required according to delivery schedule as mentioned in Purchase Order/Agreement. Faster delivery is appreciated; therefore, clearly indicate your delivery date in calendar days in the offer.

9. Weight and dimensions of the consignment

Bidders are required to indicate the total weight per item, as well as the total weight and dimensions per item.

10. Prices

All prices in your quotation must be indicated in Pakistan Rupees (PKR). Quotations stated in other currencies will not be considered in the awarding process.

The analysis of the offers will be performed in Pakistani Rupees (PKR).

Price must include all applicable taxes including sales tax (on services and supplies) and income tax (to be withheld at source), transportation cost, insurance cost and all related other cost, charges and taxes must be included.

11. Inspections

The Contracting Authority shall be entitled to inspect, examine measure and test the components, materials and workmanship, and check the progress of preparation, fabrication or manufacture of anything being prepared, fabricated or manufactured for delivery under the contract, in order to establish whether the components, materials and

Workmanship are of the requisite quality and quantity. This shall take place at the place of manufacture, fabrication, preparation or at the place of acceptance or at such other places as may be specified in the Contract.

For the purposes of such tests and inspections, the Contractor shall:

- a) provide to the Contracting Authority or his representative, temporarily and free of charge, with such assistance, test samples or parts, machines, equipment, tools, labour, materials, drawings and production data as are normally required for inspection and testing;
- b) Provide access to the Contracting Authority or his representative, at all reasonable times to the place where the tests are to be carried out.

This inspection on quality and quantity shall also be executed by an independent surveyor company at time and place prior or at loading / unloading (before shipment to the warehouse). One inspection per supplier will be on account of the Contracting Authority. Any additional inspection shall be on account of the Supplier. Goods not meeting agreed quality will be rejected. In case goods are rejected, the Supplier will contractually be obliged to pay already incurred fees for rejected goods and also for such fees which will become payable to the inspection company due to multiple interventions and/or fruitless visits and for goods inspected but eventually remained unshipped.

12. Personal Protective Equipment and Safety at Site

Contractor is responsible for providing all his workers working on site with personal protective equipment. The Contractor is bound to ensure the safe construction practice which includes barricading the site. The Contractor is bound to ensure the safety of his workers if any of the PPE violation found by the Engineer, Contractor will be awarded with a warning. Repetitive violations can cause suitable penalty to the Contractor. PPEs minimally include items for head protection, foot protection, hand protection, Face/Eye protection, work visibility shirts etc. and site restriction for the entry of unwanted persons, through red & white tap

13. Danger Signs to be provided by Contractor

Lights for illumination, danger signs for warning, and information / cautionary signs in approved colours and sizes shall be provided by the Contractor wherever required at his own cost on the barriers as directed by the Engineer.

14. Period of Maintenance

The “Period of Maintenance” shall be of twelve (12) days duration unless otherwise specified in the Special Conditions of the Contract, calculated from the date of completion of the Works stated in the Certificate of Substantial Completion issued by the Engineer. In respect of any Section or part of the Works for which a separate Certificate of Substantial Completion has been issued, from the date of completion of that Section or part as stated in the relevant Certificate. The expression “the Works” shall, in respect of the “Period of Maintenance”, be construed accordingly.

15. Quantities

The quantities set out in the Bill of Quantities are the estimated quantities of the work but they are not to be taken as the actual and correct quantities of the works to be executed by the Contractor in fulfillment of his obligation under the Contract.

16. Variations

The Contracting Authority may introduce any variations to the form, quality or quantity of the work or any part thereof which he considers necessary and for that purpose or if for any other reasons it shall, in his opinion be desirable, he shall have power to order the Contractor to do and the Contractor shall do any of the following:

- a) increase or decrease the quantity of any work included in the Contract;
- b) omit any such work;
- c) change the character or quality or kind of any such work;
- d) change the levels, lines position and dimension of any part of the Works; and
- e) Execute additional work of any kind necessary for the completion of the works.

and no such variation shall in any way vitiate or invalidate the Contract nor it will entitle the Contractor of any claims for compensation whatsoever, but the value (if any) of all such variations shall be taken into account in ascertaining the amount of the Contract Price.

17. Valuation of Variation

The Contracting Authority shall determine the amount (if any) to be added to or deducted from Contract Price in respect of any variation, addition, or omission made by his order. The valuation of any variation, addition or omission shall be calculated on the basis of the unit prices contained in the Bill of Quantities if in the opinion of the Engineer the same shall be applicable; if not then on the market rates. b) No deviation from specifications stipulated in the Contract or additional items of work shall be carried out by the Contractor unless the rates of the substituted, extra, altered or additional item have been approved in writing by the competent authority failing which the Doaba Foundation will not be bound to entertain any claim on this account.



18. Ordering Party

Office Address: **House # 02, New Model City, Behind Daewoo Cargo Office, Near Model Town Multan.**

19. Consignee/Notify and Documents

Office Address: **House # 02, New Model City, Behind Daewoo Cargo Office, Near Model Town Multan.**

19.1 Following documents must be submitted before tender closing:

**Written/printed quotation on letterhead paper or on Tender document. The quotation has included:
The pre-qualification documents (3 Pages) as in Annex 1 must be (properly filled, signed and stamped)
Copy of GST registration form or Sales Tax registration form, NTN, Minimum, Company profile. ISO certification (if available).**

19.1 Following documents will be requested from the Seller after the firm order:

- **Signed copy of the contract for acceptance.**
- **Original Commercial Invoice**
- **Performa Invoice (addressed to Consignee)**
- **Original Waybills**
- **Packing list**

19.2 Expenses for commercial courier to be covered by the bidder/supplier.

20 Payment Conditions

20.1 Payment shall take place in the currency of the Contract.

20.2 Payments due by the Contracting Authority shall be made through cross cheque to the contractor.

20.3 Pre-financing will not be granted.

20.4 Payments will be made according to agreed contract schedule/installment.

21. Penalties

Delivery schedule will be negotiated and fixed in order. In the event of delay in delivery caused other than by force majeure, the Contracting Authority is entitled to make use of a penalty to 0.05% per calendar day of the total value of the consignment still to be delivered. The penalty will be deducted from the invoice. In the event of incomplete delivery caused by the Supplier, the Contracting Authority is entitled to deduct the losses from the invoice. In case of damaged

cargo caused by inappropriate packaging the Contracting Authority reserves the right to deduct from the relevant order sum an amount according to the variance to the requested specification. In case the quality is not in line with specifications initially agreed by both sides, the Supplier must inform the Contracting Authority as soon as possible. Goods not meeting agreed quality can be rejected by the Contracting Authority, but if the Contracting Authority accepts these goods a deduction from the order sum and a penalty will be negotiated.

22. Award Criteria

22.1 We prefer one single supplier for all items/Lots but reserve the right to divide per items towards different suppliers (reasons what's so ever).

22.2 Bidders not providing all necessary documents, properly signed and stamped will be excluded.



22.3 Bidders are urged to provide recent (up to 2 years) references for similar markets.

22.3 Bid Evaluation: The Tender Committee will examine the tenders to ensure that they contain no amendment to the terms or any other (calculation) errors, in case there is any calculation mistake, unit price will be considered as base for the correction, to assist in the examination, evaluation and comparison of bids, the Tender Committee may, at its discretion, request clarification from the Doaba Foundation staff or consultant or Bidder.

22.3.1. 10% delivery time for deliverables

22.3.2. 50% price

22.3.3. 20% Sample quality

22.3.4. 20% company competence, experience Profile.

- Profile is mandatory (attach as an annex with the tender document)
- Past Experience (Experience detail with reference)
- Company Registration and NTN (attach Reg. certificate)
- ISO certified company will be preferred.

Non provision of samples, upon request for the contracting authority, will lead to disqualification of the bidders at this stage.

23. Tender submission conditions

23.1 The tenders, all correspondence and documents related to the tender exchanged by the bidder and the Contracting Authority must be written in the language of the procedure, which is English.

23.2 The offer must have a validity of minimum 30 days following the tender deadline.

23.3 **The Contracting Authority, in Pakistan, must receive the tenders before August 07, 2024 not later than 05:00(pm) PST in Office Address: House # 02, New Model City, Behind Daewoo Cargo Office, Near Model Town Multan.**

23.4 All tenders, including annexes and all supporting documents, must be submitted in a sealed envelope bearing only The above address. **The reference code of this tender procedure, DF/6HW09/IFT0001**

- i) The words 'Not to be opened before the tender opening session'
- ii) The name of the bidder.
- iii) Quotations are to be provided per hard copy, in one copy only. Offers per e-mail or fax will not be accepted or considered.
- iv) Alteration or withdrawal of tenders

23.5 Bidders may alter or withdraw their tenders by written notification prior to the deadline for submission of tenders No tender may be altered after this deadline. Withdrawals must be unconditional and will end all participation in the tender procedure.

23.6 Any such notification of alteration or withdrawal must be prepared and submitted in outer envelope must be marked 'Alteration' or 'Withdrawal' as appropriate.

23.7 No tender may be withdrawn in the interval between the deadline for submission of tenders

23.8 Costs of preparing tenders: No costs incurred by the bidder in preparing and submitting the tender are reimbursable. All such costs will be borne by the bidder.

23.9 Ownership of tenders: The Contracting Authority retains ownership of all tenders received under this tender procedure. Consequently, bidders have no right to have their tenders returned to them.

23.10 Suppliers who do not receive a written feedback 20 days after expiry of the deadline have not been successful and will not be informed in writing.

Email Address: doaba.procurement@gmail.com



Phone # 061-6212857,

Please note:

- The opening of the tenders is public and will be carried out by a procurement committee of Doaba.
- After closing of the tender, calls regarding tenders results will not be entertained.
- We prefers a single company but reserves the right to reject any or all the offers and can split the tender among different bidders, and amounts may be subject to changes. The decision of the tender committee is final regarding the evaluation of the offers and not challengeable in any court/forum.
- **All vendors, firms, and individuals applying for this tender are invited to attend the bid opening process on August 8, 2024, at 11:00 am at the Doaba Foundation office in Multan (address provided in clause 23.3). This event ensures transparency, impartiality, and openness of the bidding process."**



Annex 1

Supplier qualification (Bidder must be filled these information before sending tender document)

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Company name	
Legal form	
Company Registration #	
Company National Tax Number	
Company ISO Certification #	
Number of employees	
Nationality of company	
Postal address	
Visitors address	
Telephone number	
Email address	
Website	
Name of Managing Director	
Sales & marketing contact person	
Range of services provided by the company (company portfolio)	
Remarks	



Note: Doaba Foundation carries out projects in the field of humanitarian aid and development cooperation which are also financed by the European Community, among others. Part of this qualifying process for our suppliers is the following declaration by your company (in accordance with European Union rules and conditions for the awarding of contracts for services, supplies of goods and construction services).

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We, _____ (name of company) hereby declare that

- a) we are not in bankruptcy proceedings, judicial insolvency proceedings or in liquidation, that we have not ceased our commercial activities and are not in a comparable situation by virtue of similar proceedings referred to in the national legal provisions,
- b) we have not received a sanction by legally binding judgment for reasons which bring into doubt our professional reliability,
- c) we comply with our duty to pay social insurance contributions, taxes or other levies in accordance with the legal provisions of the state in which we have our office, the state of the consignee, or the state where the contract is performed,
- d) we have not received a legally binding sentence due to fraud, corruption, participation in a criminal association, or another act directed against the financial interests of the European Communities,
- e) no serious breaches of contract due to non-performance of our contractual obligations have been ascertained in connection with another contract or a contract awarded from the Community budget,
- f) we are providing you with all the information required in connection with participation in a tender,
- g) in respect of contracts which are ultimately paid for out of European Community funds, no one has accused us of breach of contract due to gross violation of our contractual obligations,
- h) we have not been excluded as a contract partner by the European Community due to ethical issues,
- i) we assure the European Commission, the European Anti-Corruption Bureau and the auditors of the European Community reasonable access on demand to our business and accounting documents for the purpose of checks and audits,
- j) we respect basic social rights and condemn child labor.

We support the goals of the United Nations Global Compact <https://www.unglobalcompact.org>

Date, company name, signature, name in block capitals, company stamp.



Declaration of Impartiality and Confidentiality, Page 3/3

Publication ref: DF/6HW09/IFT0001

I, the undersigned, hereby declare that I agree to participate in the evaluation of the above-mentioned [tender procedure][call for proposals]. By making this declaration, I declare that I am aware of the following:

1. Financial persons and other persons involved in budget implementation and management, including acts preparatory thereto, audit or control shall not take any action which may bring their own interests into conflict with those of Water Aid Pakistan and the Donor.

If such a risk exists, the person in question shall refrain from such action. He or she shall refer the matter to the authorising officer by delegation and inform his or her hierarchical superior. The authorising officer shall confirm in writing whether a conflict of interests exists. Where a conflict of interests is found to exist, the person in question shall cease all activities in the matter. The authorising officer by delegation shall personally take any further appropriate action.

2. For the purposes of paragraph 1, a conflict of interests exists where the impartial and objective exercise of the functions of a financial person or other person, as referred to in paragraph 1, is compromised for reasons involving family, emotional life, political or national affinity, economic interest or any other shared interest with a recipient.

I hereby declare that, to my knowledge, I have no conflict of interest with the operators who have [applied to participate] [submitted a tender] for this contract, including persons or members of a consortium, or the subcontractors proposed.

I confirm that if I discover during the evaluation that such a conflict exists or might exist, I shall declare it immediately to the chairperson of the evaluation committee. In the case that such conflict is confirmed by the chairperson, I agree to cease from participating in the evaluation committee. I confirm that I have familiarised myself with the information available to date concerning this [tender procedure][call for proposals], including the provisions of the Practical Guide relating to the evaluation process.

I shall execute my responsibilities impartially and objectively. I further declare that, to the best of my knowledge, I am not in a situation that could cast doubt on my ability to evaluate the [tender(s)][application(s)].

I shall maintain the strictest confidentiality in respect of all information acquired as a result of my involvement in the evaluation process of the above-mentioned call, as well as any information relating specifically to the object of this call.

Declaration of Impartiality and Confidentiality,

I undertake neither to disclose such information to any person who is not already authorised to have access to such information, nor to discuss it with any person in any public place or where others could overhear it.

(Name in Block letters, Date, Signature)