



**Request for Quotation (RFQ)**

**Ref No. : BISLD/HRDP/Senha/93**

**Date: 10<sup>th</sup> August 2023**

Dear Sir / Madam,

We request you to submit your quotation at your best rate for “**Solar-based Lift Drinking Water system (Qty. 6)**”. Quotations may be submitted on or before 20<sup>th</sup> August, 2023 by Courier / Speed Post / By hand to the address given below:

**To**

**The State Head  
BISLD Jharkhand  
House No. 369 A, Road No. 4B  
Ashok Nagar, Ranchi 834002  
Jharkhand  
Contact No.: 9816170537**

While preparing your quotation, please be guided as under:

It shall remain your responsibility to ensure that your quotation will reach the above address on or before the deadline. Quotations that are received by BISLD Jharkhand after the deadline indicated above, for whatever reason, shall not be considered for evaluation.

<b>Brief description of the product</b>	<b>Specifications &amp; Quantity</b>	<b>Quantity</b>	<b>Delivery and Installation period</b>	<b>Location</b>
Solar drinking water system 1hp	As per attached Annexures 1-6	6	30 days from date of issue of PO	District - Lohardaga Block - Senha

## Annexure-1


Sr. No.	Solar DC Submersible Pumping system	Unit	Qty (Set)	Total Amount (Rs.)	Remarks
1	Solar PV Modules - 325 wp, 4 No.	SET	1.00		
2	Solar Sub. BLDC Pump & Motor- 1 hp, 1.00 LPS for 70 M Head	SET			
3	Solar Pump Controller- 1 hp	SET			
4	Module Mounting Structure - Hot Dip Galvanized, with minimum weight - 700 kg	SET			
5	Inner Connecting Cable- DC, 4 Sq. m, Copper, Polycab	SET			
6	GI Perforated Cable Tray- 50 x 25 mm	SET			
7	DCDB- Enclosure- Transparent, 28 x 190 x 130, IP 65, Make-Tribox. SPD-Type 2, 1000V, Citel. DC MCB-16A, 2P, 1000V, Siemens, Fuse Holder & Fuse-16A, Elmax, Qty	SET			
8	Lighting Arrestor Set-LA Type-Spyse Type, Earthing Type-Copper Plate Thickness-3 mm, Size 2' x 2', HDG Pole Mounted 5 m eight, Make - Power track	SET			
9	Earthing for Controller & DCDB - Type-Copper Plate, Thickness-3 mm, Size 2' x 2', make-Power track	SET			
10	Sub. Cable-Copper, 4 sq.m, 3 core, 200 m, polycab	SET			
11	High Density Pipe-GI, 25 mm, 70 mm, ISI mark	SET			
12	Electrical Fitting material and accessories	SET			
13	System Testing, Transportation, Installation, Integration, Commissioning of system	SET			
14	AMC- 2 Year (Every 6 month or Problematic)	SET			
15	Microcontroller-based automatic panel cleaning system for 4 panels	SET			
16	Water Storage Tank-5000 Litre (ISI Good quality with 3 Layers)	SET	1.00		
17	Supply and Installation of Water purification system with 500 Litre Storage tank	SET	1.00		
18	Construction of Soak pit with 1.2m Dia and 1.50m depth (proper connectivity from tap point to soak pit for waste water managements)	SET	1.00		



**Annexure- 2**

**Bill of Quantities -  
Senha, Lohardaga (1 hp system x 6 No.)**

SN	Description	Specifications	Quantity
1	Solar PV VFD inverter	1 kW	1 No. x 6 systems
2	Solar PV panel	325 W	4 No. x 6 systems
3	SPD AC (Surge Protection Device)	1000 V, 20 KA, Type-2 SPD	1 No. x 6 systems
4	MCB AC	440 V, 20 A TP	1 No. x 6 systems
5	MC - 4 connector Pair	1000V, 45A, 4 Sq.mm.	8 No. x 6 systems
6	AC cable	3C x 4sq.mm. Flat Cable & PVC insulated, 3 Phase - As per IS-694:1990	As required site-wise for 6 sites
7	Fuse DC	1000 V, 20 A, 50 KA S/C Rating	4 No. x 6 systems
8	SPD DC (Surge Protection Device)	1000 V, 20 KA, Type-2 SPD	1 No. x 6 systems
9	DC Disconnecter Switch	1000 V, 25 A	1 No. x 6 systems
10	DC cable	4 sqr.mm. - PV cable	As required site-wise for 6 sites
11	Solar PV module mounting structure (1 sets of 4 modules each)	Hot dip galvanized (80 microns)	As per design for 6 sites
12	Providing G.I Framework of angle size (100 x 100 x 4 mm) of Height 20 ft (4 ft below GL and 116 ft above GL) as per given diagram.	GI	700 kg x 6 sites
13	Earthing system	Rod Type- GI - (2m, 19-25 mm Dia.) - 5 kA rating	2 No. x 6 systems
14	Lightning arrester system with base	SS / Cu, Length - 2m	Annexure 5 x 06 sites
15	Bore well BLDC Submersible pump	1 hp, 3 phase, 415V, 50 Hz	1 No. x 6 systems
16	Excavation of foundation for overhead tank of size 4 x 0.45 m x 0.45 m x 1.1 m	As per given design	0.891 Cum. x 6 sites
17	Providing concrete (1:3:6) in foundation for overhead tank of size 4 x 0.30 m x 0.30 m x 1.4 m	As per given design	0.504 CUM x 6 systems
18	Water storage Tank	5000 litre triple layer	1 No. x 6 systems
19	Construction of stand post of 4 tabs with soak pit	As per given design	3 No. x 6 systems
20	Automatics solar panels	Micro controller-based cleaning	1 No. x 6 systems



SN	Description	Specifications	Quantity
	cleaning system	system	
21	Display & branding-ACP sheet with vinyl printing, size: 3 ft x 2 ft	As per given design	1 No. x 6 systems
22	Water purification system with 500 Litre storage Tank.	Good quality/ISI/500 litre triple layer	1 No. x 6 systems

### Annexure-3

#### List of vendors / make

Sr. No.	Description	Make
1	Solar PV VFD inverter	ABB, Schneider, Siemens, Delta, Kirloskar
2	Solar PV panel	Vikram, Emmvee, Luminous, Sakti, Tata, Anchor-Panasonic
3	Combiner box AC	Hensel, Hummel
4	SPD AC (Surge Protection Device)	CITEL, ABB, Phoenix
5	MCB AC	Siemens, ABB, Hager
6	MC - 4 connector Pair	Nordic Solution, Phoenix
7	AC cable	RR, KEI, Finolex
8	Combiner box DC	Hensel, Hummel, Fibox
9	Fuse DC	Hager, Cooper Bussmann
10	SPD DC (Surge Protection Device)	CITEL, ABB, Phoenix, Elmax
11	DC Disconnect Switch	Siemens, ABB, Hager, Salzer, L & T
12	DC cable	RR, KEI, Finolex, Havells, Polycab
13	Solar PV module mounting structure	As per fabrication drawing
14	Structure hardware system	Local vendor
15	Earthing system	JMV LPS, ASHLOK, JEF
16	Lightning arrester system with base	JMV LPS, ASHLOK, JEF
17	Submersible pump	Kirloskar, Shakti, CRI, Lubi
18	Water Storage Tank	Sintex, Plasto, Supreme (3 Layer)
19	Water Purification System	Aqua guard, blue star, Kent (Good quality / ISI)

D.K. Jivan

Firms are advised to quote their rate / price after careful study of the specifications and other associated requirement as well as the following terms and conditions: -

1. The document can be downloaded from the website:  
<https://baif.org.in/>
2. The quotation shall remain valid for 90 days from the due date of submitting the quotation.
3. The quantity of items mentioned in the RFQ document can be increased or decreased at any stage till the delivery of consignment is completed.
4. The Purchase Committee reserves the right to reject any quotation or all quotations without assigning any reasons thereof.
5. The payment will be made after work completion report as per prescribed specifications.

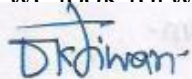
**Terms and Conditions:**

- Quotation should be submitted in the name of BAIF Institute for Sustainable Livelihoods and Development.
- Kindly mention GST No.
- Site Location-Senha block of Lohardaga district in village (Chamru, Doka, Parhi, Bansari, Chaukuni, and Todar
- The materials if not supplied as per specification, will be rejected and returned at your cost.
- Please submit the quotation in a closed envelope by 20-08-2023.
- Please mention rate inclusive / exclusive of tax in the quotation.
- If quotation is found incomplete, then the quotation will be rejected.
- Advance funds are not provided.

Thank you and we look forward to receiving your quotation.

Yours sincerely,

Dharmendra Kumar Tiwari  
State Head, BISLD Jharkhand



**Undertaking**

**Date:**

**To**

**BAIF Institute for Sustainable Livelihoods and Development-  
Jharkhand**

**Ref.: Supply, installation, commissioning & testing of solar photovoltaic drinking water pumping systems at Bansari, Chaukuni, Chamru, Doka, Parhi, and Todar, under Senha Block, Lohardaga, Jharkhand.**

Dear Sir,

In response to the tender invited by you, I/We have examined the notice, conditions, specifications and terms of the contract and I/We agree to abide by all the instructions in these documents attached hereto and hereby bind myself/ourselves to execute the work as per the schedule stipulated in the notice.

I/We further agree to sign and execute all agreements/bonds as may be required by BISLD and to abide by all the conditions of the contract and to carry out all work as per specifications, failing which, I/We shall have no objection for forfeiture of the earnest money/security money deposited with BISLD.

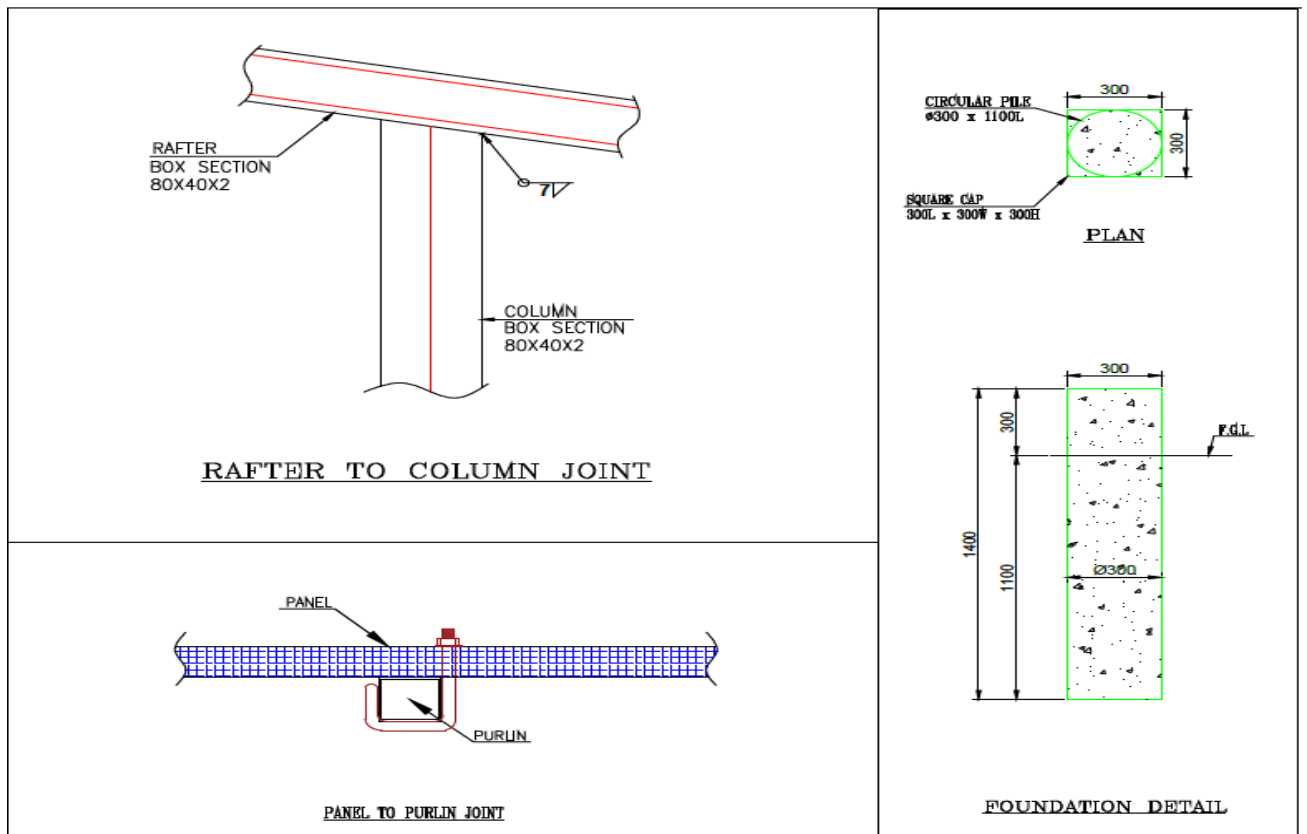
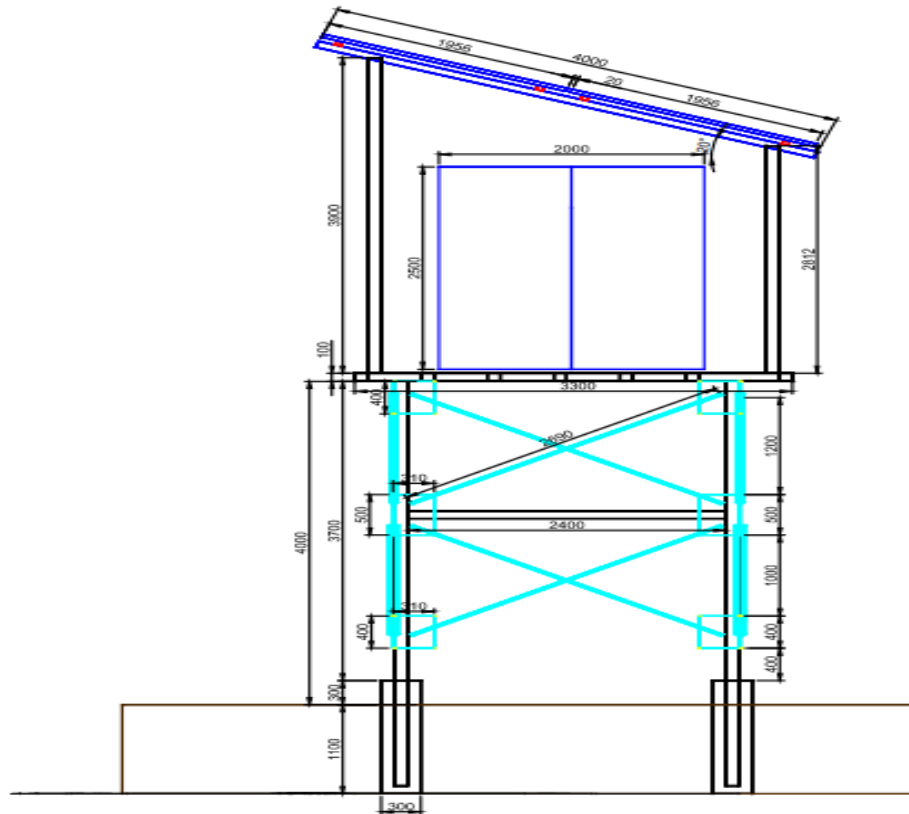
I/We also undertake that I/We have not been blacklisted by any entity any time.

I/We enclose herewith the required documents.

Yours sincerely

Signature of Party with seal

Structure Model -





Model Structure -

