Tender Document

for

Complete Construction & Installation Work of Solar-based Lift Drinking Water System (Jal Minar) 04 in No. in

Makhu Block, District Ferozepur, Punjab

Ground Floor, Near Service Road, Malak Road Bridge Pass
Jagraon, District: Ludhiana, Punjab
Telephone: 6283080693 / 7897993041

NOTICE INVITING TENDER

Sealed tenders are invited in prescribed form **by BAIF Institute for Sustainable Livelihoods and Development, Ground Floor, Near Service Road, Malak Road Bridge Pass, Jagraon, District Ludhiana, Punjab** from reputed, experienced, technically and financially sound agencies/contractors for the following work:

Tender Details

Date of issue of tender	18/Nov/2026
Last date and time for submission of Tender Documents	24/Nov/2026 till 5 PM.
Mode of Submission	Password-protected pdf file to procurement.uttarakhand@baif.org.in or Sealed envelope at BAIF Dehradun office
Note: Tender form is given at the end of this document. Please use it for quoting your rate & cost, along with DD of Earnest money.	

1. The tender document can be downloaded from the official website: https://baif.org.in/tenders/
2. The filled in sealed tender document with the name of the work and the name of the tenderer written on the envelope should be submitted at with the name of the work and the name of the tenderer written on the envelope should be submitted at **BAIF Punjab State Office, Ground Floor, Near Service Road, Malak Road Bridge Pass, Jagraon, District-Ludhiana, Punjab, India till 24th November 2026 (5:00 PM)** by hand / Registered Post / Courier / Password-protected pdf file on procurement.uttarakhand@baif.org.in

Name of work: Supply and complete installation of **Solar Based Jal Minar**

Brief Description of Product	**Quantity**	**Place of Delivery**	**Completion date of project (Delivery and Installation)**
Solar-based Lift Drinking Water System (Jal Minar Scheme) As per Details **(Annexure 1-4)**	4	Villages - Rasulpur, Jhanda Bhaga nawan,Tibbi Ranga, Mannu Machi,Block Makhu Ferozepur.	Till _____ 2026 (within 25 days from date of Work Order.)

The technical specifications are as follows:

1. Solar Pump System: Supply and installation of a 3 HP solar submersible pump with 6 solar panels of 595 Wp each (3.0kw), solar controller, cables and required accessories.

2. Borewell: Complete borewell drilling, installation of submersible pump, delivery pipes, electrical cables, valves and necessary fittings.

3. Water Storage Tank: Supply and installation of a 7,000-litre cylindrical plastic water storage tank of Syntex or equivalent approved make, with inlet, outlet and overflow connections.

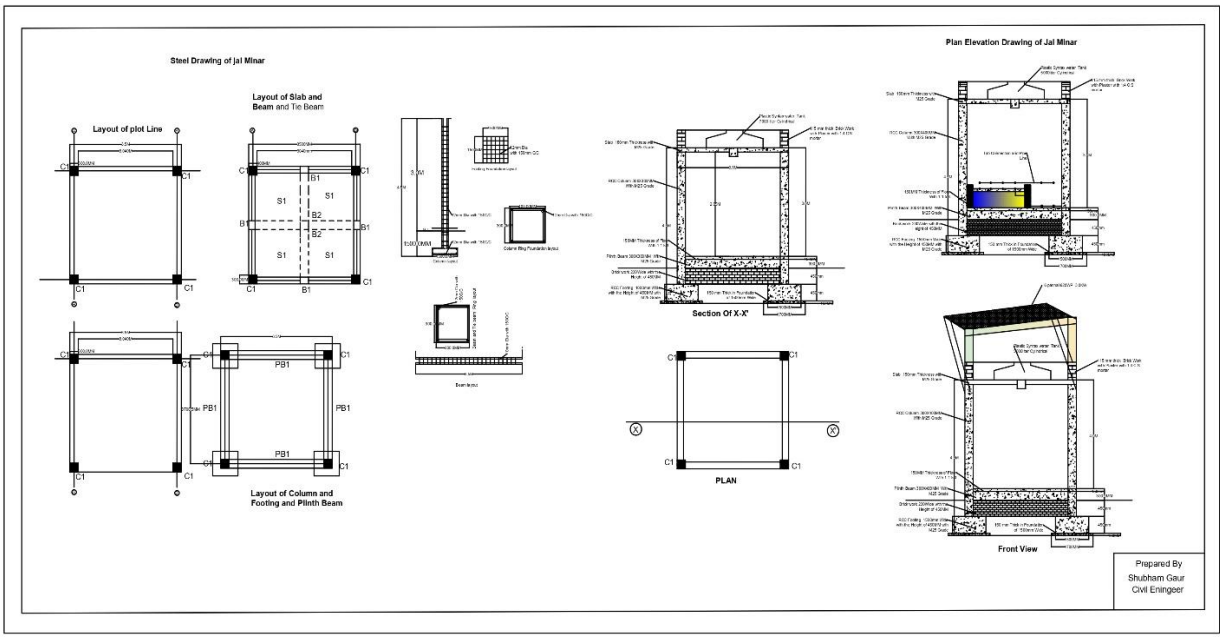
4. Civil Construction: RCC columns of 300 × 400 mm using M25-grade concrete, RCC slab of 150/180 mm thickness as shown in the drawing, and complete foundation and structural work.

5. Foundation and Plinth Work: RCC footing of 1,500 mm width and 450 mm height, 300 × 400 mm RCC plinth beams, 230 mm brickwork and 150 mm thick flooring as per approved drawing.

6. Water Filtration Unit: Tata Swachh Tech Jal – 1,000 LPH Electrical Model, 0.5 kW.

7. Complete Installation: Supply, transportation, pipeline connections, taps, valves, electrical fittings, installation, testing, water-quality testing and commissioning of the complete Jal Minar system.

Note: All measurements, material specifications and construction work must strictly follow the approved Jal Minar engineering drawing. Pump manufacturer and other equipment brands should be finalised through the approved technical specifications.



Annexure 1. Construction of Borewell

SN	Particulars	Unit	Quantity	Total Qty
1	**Construction of Borewell:** Boring / Drilling Work Diameter 5" inch (204 mm), minimum depth 60 m, including drilling in all types of soil/strata encountered at site, removal of drilling cuttings/muck, necessary equipment, labour, water and all other incidental works complete as directed by the Site Engineer. Depth may be extended further if adequate water level is not achieved at site.	RM	70	4 Nos
2	Providing, lowering and fixing of ISI-marked uPVC casing pipe, 5 inch (204 mm) diameter, 10 kg/cm² pressure class, of approved brand Finolex / Supreme / Astral, including slotted/perforated (strainer) uPVC pipe of the same diameter and pressure rating in the aquifer zone, jointing with heavy-duty uPVC solvent cement (Astral Bond / Supreme Solvent Cement / Finolex Solvent Cement) to ensure leak-proof joints, including all necessary fittings, lowering, fixing and labour, complete as directed by the Site Engineer.	RM	70	

Annexure 2. Solar Pump with Accessories

SN	Solar DC Submersible Pumping system Capacity: Minimum - 7020 Wp: 7.5 HP, 3 Ph 720 V, 25 A Current, 85% Efficiency	Unit	QTY (No.)	Qty (Set)
1	3.0 KW Solar PV Modules (Topconbifacial)- 595 Wp, 6 in No., Total- 3570 Wp. Type- HI Tech, Make – (Brand Name - Luminous/Panasonic/Waaree/Vikram/Tata Power Solar) with 25 Year Warranty.	SET	1	4 Sets
2	Submersible 3 HP DC Pump-Head 60 -70 mtr & with related accessories (bend & clamps etc.) min 0.60-1.1 LPS , With 5 Year Warranty. (Brand name – Shakti/Kirloskar)	SET	1	
3	Solar Pump VFD Controller-03 HP-DC, With 5 Year Warranty (Brand name – Shakti/Kirloskar/Amrut)	SET	1	
4	Solar Modular Mounting GI Structure Complete 110kg	SET	1	
5	SUB Cable copper,1 m (Flat cable copper 2.5sqmm 3core , Anchor)	SET	1	
6	Automatic Water level Sensor/controller with installation Brand name-L&T (Lauritz Knudsen), Gelco & HONIX	SET	1	
7	Earthing Kit (Earthing of LA, DC controller & Pannel module) - rod Dia 14 mm, 1 Meter Long (100 Micron copper coated Solid earthing electrode) with Earthing compound material	SET	1	
8	Earthing Kit (Earthing of LA, DC controller & Pannel module) - rod Dia 14 mm, 1 Meter Long (100 Micron copper coated Solid earthing electrode) with Earthing compound material	SET	1	

9	Lighting Arrestor Set with Znk spray- LA Type - 5 Spikes Type with 80mm Length with 8mm dia., 1.2 Meter Long (100 Micron copper coated Solid earthing electrode, Earthing HDG Pole Mounted 5 m height.	SET	2	
10	Gate Valve (90 degree tun on, off)-UPVC-Brand Name-FINOLEX/Ashirvad/supreme aqua	SET	1	
11	Panel Cleaner (Sprinkler Nozzle): A separate fitting connection with all necessary accessories shall be provided. A control valve must be installed near the main water supply line and verified to be operational. The complete panel-cleaning system should be properly fitted and tested to ensure smooth functioning.	SET	1	
12	HDPE Pipe as site required, 60mtr (Brand Name-Finolex/Aashirvad/Supreme)	SET	1	
13	Submersible pump safety rope-Nylon 12 mm rope	SET	1	
14	AMC- 3Year (every 6 months or whenever Problematic) as per panel wp (The vendor has to pay the AMC amount periodically to the locally selected person)	SET	1	
15	Complete insurance of Solar-based Jal minar-3year	3 years	1	
16	System testing, installation, integration, commissioning of system, 03 years of servicing	3 years		
17	Miscellaneous work & Transportation including site location	1		
18	Signage board with iron sheet and stand of the board (Dimension: 3 ft x 4 ft, Angle 40 x 40 x 6 mm & Iron sheet - 18 Gauge, 2ft underground footing, 3.5 ft above ground approx. weight 40 kg) including painting and writing on both sides with installation.	1		

Annexure 3. Construction of Jal Minar Civil Part

S N	Particulars	Unit	Qty	Total Qty
1	Site clearance Surface dressing of ground including removing rank vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m in all kinds of soil.	Sqm	16.00	4 Sites
2	Earth work excavation in ordinary soil, exclusive of compensation of earth: b) Earth work undressed with a combined lead upto 15 metres including breaking of clods	Cum	14.58	
3	Cement concrete 1:3:6 (a) with stone ballast or shingle (ii) mixing by mechanical means using concrete mixer volumetric type	Cum	1.42	
4	Reinforced cement concrete M-25 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth	Cum	10.60	
5	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering) Pcc Footing and Pcc Plinth Beam, Rcc Footing.	Sqm	15.52	

6	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering) Salb and Beam	Sqm	2.32
7	Centering and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc.	Sqm	27.61
8	Centering and shuttering for columns (Square or rectangular or polygonal in plain) Column	Sqm	25.20
9	First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth and Terrace	Cum	10.58
10	Earth filling (ii) Earth filling under floors with surplus soil containing more than 40% gravel or kankar excavated from foundation & taken only from outside the building plinth in 15 cm layers including ramming watering and consolidation lead upto 30 metres	Cum	1.85
11	Laying of Dry stone Ballast 40 mm gauge for flooring.	Sqm	9.24
12	Cement concrete 1:2:4 (a) With stone ballast or shingle (ii) mixing by mechanical means using concrete in Flooring mixer volumetric type	Cum	0.92
13	Cold twisted deformed (Ribbed/Tor steel) Bars (Fe 550 grade as per IS 1786-2008) , for R.C.C works, were not included in the complete rate of RCC including binding, bending and placing in position complete (Brand name-Tata Tiscon/JSW Neosteel/Jindal Panther)	Qtl	11.51
14	12.5 mm thick cement plaster 1:4	Sqm	134.82
15	Applying priming coat with cement primer in all shade on newly plastered or concrete exterior surface, Brand name-JK Cement/Birla White	sqm	151.40
16	Finishing walls with exterior decorative cement-based paint such as snowcem, robbiacem etc. two or more coats to give an even shade-Brand name-JK Cement/Birla White	Sqm	170.84
17.	Laying and installation of Door-1.0 m X 2.10 m- Iron agle-40 X40 X 4mm and MS sheet-16 gauge Complete with primer coat & Oil paint, Brand name-Asian Paints/Berger	No.	1
18	Laying and installation of window-1.5 X 1.5 M- Iron agle-40 X40 X 4mm and MS sheet-16 gauge Frame and Window Complete Weight Around 80 Kg, Brand name-Asian Paints/Berger	No.	1
19.	Providing and placing in position on terrace at all floor levels, a triple-layer, UV-resistant, food-grade polyethylene water storage tank of approved make (Sintex/Supreme), having a nominal capacity of 7,000 litres or 7,500 litres(As per market Availability), complete with a cover with suitable locking arrangement and necessary holes for inlet, outlet and overflow pipes, but excluding pipe fittings and tank base support. (i) Triple Layer Tanks Weight Around 50Kg	No.	1
20	Providing and fixing 1st quality ceramic glazed wall tiles Matt/Semi Matt/Gloss/Highly Gloss finish/Highlighter/embossed conforming to IS : 15622 (thickness to be specified by the manufacture of approved make in all colours, shades except burgundy, bottle green,	Sqm	17.10

	black of size 250 x 330 mm & 300x300mm as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4 (1 cement: 4 fine sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. Brand name-Kajaria/Somany			
21	Providing & Fixing in position 15 mm i/d bib cock of approved make (to the approval of Engineer-in-charge)complete in all respect. (iv) Brass Bib cock/Stop cock 15mm x 400gm (Brand Name-Somany/Hindware)	No.	6	
22	Providing, fixing and jointing ISI Marked GunMetal peet valves (Heavy Pattern) as per IS 778 with hand wheels, on G.I. Pipe lines laid in the ground or inside buildings including all carriages complete. d) 32mm i/d Gun Metal peet valve heavy pattern. (Brand Name-Somany/Hindware)	No.	4	
	CONCEALED IN WALL: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes as per IS 15778 (ISI marked with the prior approval of Engineer-In-Charge), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing including jointing of pipes & fittings, with one step CPVC solvent cement and testing of pipes complete as per direction of Engineer-In-Charge. b SDR 11 CPVC pipes & fittings 20mm (Brand Name-Supreme/Astral) o/d	Mtr	18	
	CPVC SDR 11 Pipe & fitting 40mm o/d	Mtr	18	
23	Providing, Laying , fixing & jointing of P.V.C. Pipes as per ISI-4985 (ISI marked with the prior approval of Engineer-in-Charge) along the Trenches and laying the same in Trenches to correct alignment and gradients, cutting, jointing and testing complete as per specifications.110mm o/d pipe of 6 Kgf. / sqcm (Brand Name-Supreme/Astral)	Mtr	6	
24	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per as per IS - 14735 including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining. (B) For 110mm o/d pipes P Trap/Floor Trap 110mm x 110mm	No.	1	
25	Providing and fixing in position SS Grating with frame of approved make (to the approval of engineer in charge) complete in all respects.	No.	1	
26	Providing and laying Rectified Porcelain floor tiles 400x400mm or more (thickness to be specified by the manufacturer) of premium quality conforming to IS:15622 of approved make in all colours laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement: 4 Fine sand) for new flooring complete (Floor)	Sqm	13.48	

Annexure 4. Water Filtration Unit

S N	Item Description	Item Description /Specification	Unit	Qty.	Total Qty.
1	Water Filtration Unit Storage Tank Water Piping & Valves Electrical Connection & Protection Installation & Commissioning Transportation / Local Logistics	• Tata Swachh Tech Jal 1000 LPH – Electrical Unit • 1000 L Food-Grade Storage Tank • Raw Water Storage Tank • Water Piping & Valves • Electrical Connection & Protection • Installation & Commissioning • Transportation / Local Logistics • Capacity 1000 litres per hour • Technology: Ultrafiltration (UHF / hollow-fibre membrane) – Tech Jal; not conventional RO • Electrical Load – Electric Single Phase, 0.5 kWcal Model • Electrical Load – Non-Electrical Model • Machine Weight – Non-Electrical N/A / gravity feed • Machine Weight – Electrical 87 kg Approx • Machine Dimension (L × W × H) 30" × 22" × 48" Approx • Activated Carbon Filter 10" × 1" • UHF Cartridge 60-15 U-Pvc • Filtered Water Turbidity < 1 NTU • Bacteria Removal >99.9999% / 6 Log reduction value • Virus Removal >99.99% / 4 Log reduction value • Parasitic Cysts Removal >99.9% / 3 Log reduction value	No.	1	4 sets

Terms and Conditions:

1. **Earnest Money Deposit (EMD:** 2% of tender value) shall be submitted along with the tender through a Demand Draft (DD) in Favor of **"BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, PUNJAB",** payable at Ludhiana. Tenders without EMD shall be liable for rejection. The EMD of unsuccessful bidders shall be refunded without interest within 30 days of issuance of the Work Order. The successful bidder's EMD shall be adjusted towards the Security Deposit.

2. Mention the Warranty and Maintenance period of major items like Solar panel, Pump, Ro work etc.
3. All items supplied must strictly conform to the specified technical specifications and will be inspected and verified by the field engineer before acceptance.
4. **Quantity Variation**: The quantities mentioned in the tender are indicative. During field execution, quantities may increase or decrease as per actual site requirements. The contractor must execute the work as per the instructions of the field engineer, and payments will be made proportionately based on actual executed quantities.
5. The 5% of bill amount (including earnest money) shall be retained as a Security money for free maintenance for the period as mentioned in your tender.
6. The retained amount shall be refunded without any bank interest after free maintenance period.
7. **Penalty for delay in completion of work:** The organization may impose penalties for delay in completion of work except in case of natural calamities and law and order situation. The penalty amount shall be **Rs. 500 per day.** The tenderer must agree to bear the penalty amount for the delay in the completion of work.
8. The rates offered by the Bidder/Tenderer will be inclusive of all Taxes, License fees, Royalty, Octroi, Labour, Construction Materials, all Tools and Plants, Water, and Power required for satisfactory completion of the work.
9. In case of any mishap, injury or damage occurring at the site, it will be the responsibility of the Contractor.
10. Mention clearly that the rates are inclusive of GST or exclusive of GST and mention the GST rate in %.
11. **Final Payment:** Final payments will be made only after satisfactory completion of the work. After completion and successful demonstration of irrigation systems and water to be delivered as per design.
12. The authority for the acceptance of the tender will rest with the organization. It shall not be obligatory on the said authority to accept the lowest tender or any other tender and no tenderer (s) shall demand any explanation for the cause of rejection of his/their tender nor will the organisation undertake to assign reasons for declining to consider or reject any particular tender or tenders.
13. The competent authority of the organisation for the acceptance of the tender reserves the right to divide the tender amongst more than one tenderer, if deemed necessary.
14. **Schedule of Payment:** The Schedule of payment shall be decided through negotiation as per condition mentioned by successful tenderer in his tender.
15. The final payment shall be made after satisfactory completion of work on production of tax invoice with warranty card. After completion and successful demonstration of Jal Minar systems and water to be delivered as per design.

For any clarification, please contact:

- **BAIF Dehradun Office: 7897993041, 0135-3566165**
- **Taniya Rawat, Dehradun: +91-7453868478**
- **Shubham Gaur, Makhu, Punjab: +91-9634852391**

Tender Form (On Letterhead)

CONTACT PERSON (FOR THE TENDERER)

Name	
Address	
Telephone/Contact No.	
E-mail	

ECONOMIC AND FINANCIAL CAPACITY

Financial Year	**2023-24**	**2024-25**	**2025-26**
Annual turnover (Rs. in Lakhs)			

EXPERIENCE

Complete the table using the format below to summarise the major relevant work carried out in the course of the past 5 years by the legal entity or entities making this tender. The number of references to be provided must not exceed 5 for the entire tender.

Sr. No.	**Name and Address of Client**	**Capacity of Solar Pump Installed and Civil work**	**Date/Year of Construction**	**Contract value (Rs.)**

TENDER DECLARATION

1. I/We have read and examined all the tender documents.
2. We also undertake, if required, to provide evidence of the financial and economic standing and the technical and professional capacity according to the selection criteria for this call for tender. We also understand that if we fail to provide the proof/evidence required, within 7 calendar days after receiving the notification of award, or if the information provided is proved false, the award may be considered null and void.
3. I/We shall be debarred for tendering with BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, PUNJAB. Also, if such a violation comes to the notice of BISLD-UK before the date of start of work, BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, PUNJAB shall be free to forfeit the entire amount of earnest money deposit.
4. I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived therefrom to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of BISLD-UK.

Yours faithfully

Name and Signature of Authorized Person……

Date & Place……..

Seal of the firm/company/entity:

Quotation / Tender Value

I am ready to supply the following items at the below mentioned rates **(Please provide rates for 1 site. Total – 04 sites).**

S N	Particulars	Unit	Qty. (Set)	Rate/unit Including GST	Amount
A	**Construction of Borewell:**				
1	Boring / Drilling Work Diameter 5" inch (204 mm), minimum depth 60 m, including drilling in all types of soil/strata encountered at site, removal of drilling cuttings/muck, necessary equipment, labour, water and all other incidental works complete as directed by the Site Engineer. Depth may be extended further if adequate water level is not achieved at site.	NO.	1		
2	Providing, lowering and fixing of ISI-marked uPVC casing pipe, 5 inch (204 mm) diameter, 10 kg/cm² pressure class, of approved brand Finolex / Supreme / Astral, including slotted/perforated (strainer) uPVC pipe of the same diameter and pressure rating in the aquifer zone, jointing with heavy-duty uPVC solvent cement (Astral Bond / Supreme Solvent Cement / Finolex Solvent Cement) to ensure leak-proof joints, including all necessary fittings, lowering, fixing and labour, complete as directed by the Site Engineer.	SET	1		
	Total Amount (A)				
B	**Solar Pump with Accessories**				
1	3.0 KW Solar PV Modules (Topconbifacial)- 595 Wp, 6 Nos., Total- 3570 Wp. Type- HI Tech, Make – (Brand Name-Luminous//Panasonic/Waaree/Vikram/Tata Power Solar) with 25 Year Warranty.	SET	1		
2	Submersible 3 HP DC Pump-Head 60 -70 mtr & with related acessories (bend & clamps etc.) min 0.60-1.1 LPS , With 5 Year Warranty. (Brand Name – Shakti/Kirloskar)	SET	1		
3	Solar Pump VFD Controller-03 HP-DC, With 5 Year Warranty (Brand name – Shakti/Kirloskar/Amrut)	SET	1		
4	Solar Modular Mounting GI Structure Complete 110kg	SET	1		
5	SUB Cable copper,1 m (Flat cable copper 2.5sqmm 3core , Anchor)	SET	1		
6	Automatic Water level Sensor/controller with installation Brand name-L&T (Lauritz Knudsen), Gelco & HONIX	SET	1		
7	Earthing Kit (Earthing of LA, DC controller & Pannel module) -rod Dia 14 mm, 1 Meter Long (100 Micron copper coated Solid earthing electrode) with Earthing compound material	SET	1		

S N	Particulars	Unit	Qty. (Set)	Rate/Unit Including GST	Amount
8	Earthing Kit (Earthing of LA,DC controller & Pannel module) -rod Dia 14 mm ,1 Meter Long (100 Micron copper coated Solid earthing electrode) with Earthing compound material	SET	1		
9	Lighting Arrestor Set with Znk spray- LA Type - 5 Spikes Type with 80mm Length with 8mm dia., 1.2 Meter Long (100 Micron copper coated Solid earthing electrode, Earthing HDG Pole Mounted 5 m height.	SET	2		
10	Gate Valve (90 degree tun on, off)-UPVC-Brand name-FINOLEX/Ashirvad/Supreme aqua	SET	1		
11	Panel Cleaner (Sprinkler Nozzle): A separate fitting connection with all necessary accessories shall be provided. A control valve must be installed near the main water supply line and verified to be operational. The complete panel-cleaning system should be properly fitted and tested to ensure smooth functioning.	SET	1		
12	HDPE Pipe as site required, 60mtr (Brand Name-Finolex/Aashirvad/Supreme)	SET	1		
13	Submersible pump safety rope-Nylon 12 mm rope	SET	1		
14	AMC- 3Year (every 6 months or whenever Problematic) as per panel wp (The vendor has to pay the AMC amount periodically to the locally selected person)	SET	1		
15	Complete insurance of Solar based Jal minar-3year	Year	3		
16	System testing, Installation, integration , commissioning of system,03 years of servicing	year	3		
17	Miscellaneous work & Transportation including site location	No.	1		
18	Signage board with iron sheet and stand of the board (Dimension: 3 ft x 4 ft, Angle 40 x 40 x 6 mm & Iron sheet - 18 Gauge, 2ft underground footing, 3.5 ft above ground approx. weight 40 kg) including painting and writing on both sides with installation.	No.	1		
	Total Amount (B)				
C	**Civil part (Jal Minar)**				
1	Site clearance Surface dressing of ground including removing rank vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m in all kinds of soil.	Sqm	16.00		

S N	Particulars	Unit	Qty. (Set)	Rate/Unit Including GST	Amount
2	Earth work excavation in ordinary soil, exclusive of compensation of earth:- b) Earth work undressed with a combined lead upto 15 metres including breaking of clods	Cum	14.58		
3	Cement concrete 1:3:6 (a) with stone ballast or shingle (ii) mixing by mechanical means using concrete mixer volumetric type	Cum	1.42		
4	Reinforced cement concrete M-25 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth	Cum	10.60		
5	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering) Pcc Footing and Pcc Plinth Beam, Rcc Footing.	Sqm	15.52		
6	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering) Salb and Beam	Sqm	2.32		
7	Centering and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc.	Sqm	27.61		
8	Centering and shuttering for columns (Square or rectangular or polygonal in plain) Column	Sqm	25.20		
9	First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth and Terrace	Cum	10.58		
10	Earth filling (ii) Earth filling under floors with surplus soil containing more than 40% gravel or kankar excavated from foundation & taken only from outside the building plinth in 15 cm layers including ramming watering and consolidation lead upto 30 metres	Cum	1.85		
11	Laying of Dry stone Ballast 40 mm gauge for flooring.	Sqm	9.24		
12	Cement concrete 1:2:4 (a) With stone ballast or shingle (ii) mixing by mechanical means using concrete in Flooring mixer volumetric type	Cum	0.92		
13	Cold twisted deformed (Ribbed/ Tor steel) Bars (Fe 550 grade as per IS 1786-2008) , for R.C.C works, where not including in the complete rate of RCC including binding, bending and placing in position complete (Brand name-Tata Tiscon/JSW Neosteel/Jindal Panther)	Qtl	11.51		
14	12.5 mm thick cement plaster 1:4	Sqm	134.82		

S N	Particulars	Unit	Qty. (Set)	Rate/Unit Including GST	Amount
15	Applying priming coat with cement primer in all shade on newly plastered or concrete exterior surface, Brand Name-JK Cement/Birla White	sqm	151.40		
16	Finishing walls with exterior decorative cement based paint such as snowcem, robbiacem etc. two or more coats to give an even shade-Brand name-JK Cement/Birla White	Sqm	170.84		
17.	Laying and installation of Door-1.0 m X 2.10 m- Iron agle-40 X40 X 4mm and MS sheet-16 gauge Complete with primar coat & Oil paint, Brand Name-Asian Paints/Berger	No.	1		
18	Laying and installation of window-1.5 X 1.5 M- Iron agle-40 X40 X 4mm and MS sheet-16 gauge Frame and Window Complete Weight Around 80 Kg, Brand Name-Asian Paints/Berger	No.	1		
19.	Providing and placing in position on terrace at all floor levels, a triple-layer, UV-resistant, food-grade polyethylene water storage tank of approved make (Sintex/Supreme), having a nominal capacity of 7,000 litres or 7,500 litres(As per market Availability), complete with a cover with suitable locking arrangement and necessary holes for inlet, outlet and overflow pipes, but excluding pipe fittings and tank base support. (i) Triple Layer Tanks Weight Around 50Kg	No.	1		
20	Providing and fixing 1st quality ceramic glazed wall tiles Matt/Semi Matt/Gloss/Highly Gloss finish/Highlighter/emboss conforming to IS : 15622 (thickness to be specified by the manufacture of approved make in all colours, shades except burgundy, bottle green, black of size 250 x 330 mm & 300x300mm as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4 (1 cement: 4 fine sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. Brand Name-Kajaria/Somany	Sqm	17.10		
21	Providing & Fixing in position 15 mm i/d bib cock of approved make (to the approval of Engineer-in-charge)complete in all respect. (iv) Brass Bib cock/Stop cock 15mm x 400gm (Brand Name-Somany/Hindware)	Nos	6		
22	Providing, fixing and jointing ISI Marked GunMetal peet valves (Heavy Pattern) as per IS 778 with hand wheels, on G.I. Pipe lines laid in the ground or inside buildings including all carriages complete. d) 32mm i/d Gun Metal peet valve heavy pattern.(Brand Name-Somany/Hindware)	Nos	4		

S N	Particulars	Unit	Qty. (Set)	Rate/unit Including GST	Amount
	CONCEALED IN WALL: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes as per IS 15778 (ISI marked with the prior approval of Engineer-In-Charge), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing including jointing of pipes & fittings, with one step CPVC solvent cement and testing of pipes complete as per direction of Engineer-in-Charge. b SDR 11 CPVC pipes & fittings 20mm (Brand Name-Supreme/Astral) o/d	Mtr	18		
	CPVC SDR 11 Pipe & fitting 40mm o/d	Mtr	18		
23	Providing, Laying , fixing & jointing of P.V.C. Pipes as per ISI-4985 (ISI marked with the prior approval of Engineer-in-Charge) along the Trenches and laying the same in Trenches to correct alignment and gradients, cutting, jointing and testing complete as per specifications. 110mm o/d pipe of 6 Kgf/sqcm (Brand Name-Supreme/Astral)	Mtr	6		
24	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per as per IS - 14735 including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining. (B) For 110mm o/d pipes P Trap/Floor Trap 110mm x 110mm	No.	1		
25	Providing and fixing in position SS Grating with frame of approved make (to the approval of engineer in charge) complete in all respects.	No.	1		
26	Providing and laying Rectified Porcelain floor tiles 400x400mm or more (thickness to be specified by the manufacturer) of premium quality conforming to IS:15622 of approved make in all colours laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement: 4 Fine sand) for new flooring complete (Floor)	Sqm	13.48		
	Total Amount (C)				

S N	Particulars	Unit	Qty. (Set)	Rate/Unit Including GST	Amount
D	**Water Filtration Unit**				
1	Tata Swach Tech Jal 1000 LPH – Electrical Unit 1000 L Food-Grade Storage Tank Raw Water Storage Tank Water Piping & Valves Electrical Connection & Protection Installation & Commissioning Transportation / Local Logistics With Warranty/AMC 3 Year with Insurance Complete 3 Year	No.	1		
	Total Amount (D)				
	Total Cost (A+B+C+D)				
	Total Cost of 01 Unit				
	Total cost of 04 Units				

***Note- Rate Submitted for one Site should be Applicable For 4 Sites- Rate would be same for all the Sites.**

Any additional information

Taxes: Including/Additional @__%

Transportation Cost: Included/Additional charged @____.

Any additional information

Date:

Signature with Stamp: