

TENDER NOTICE

1. Background

Bahraich district is among the arsenic-affected areas in Uttar Pradesh where groundwater contamination poses a serious public health risk. A total of 1423 Households of Rampurva Gram Panchayat (1055 HH) & Nahkatiya (368 HH) in Tejawpur block are primarily dependent on handpumps for their drinking water needs. Preliminary testing and baseline assessments indicate arsenic levels exceeding the permissible limit of 0.01 mg/ltr as per BIS standards. (Arsenic content found in GP Rampurwa: 0.013 mg/l and GP Nahkatiya: 0.015 mg/l)

To ensure safe and sustainable drinking water for the rural community, the installation of an Arsenic Removal Plant (ARP) Unit has been proposed under the WASH initiative, in collaboration with the PRI, VWSC and the community.

2. Objective

To provide access to safe and arsenic-free drinking water to the community of gram panchayats Rampurva & Nahkatiya benefiting HHs as per the detail provided below.

Sr. No.	Dist	Block	GP	Hamlet	Source Name
01	Bahraich	Tejawpur	Rampurva	Gauri Shankar Purva	Near Mata Mandir
02	Bahraich	Tejawpur	Nahkatiya	Godiyanpurva	Near Shiv Narayan Verma house

- To reduce the incidence of arsenic-related health issues such as skin lesions, cancer, and other chronic diseases.
- To promote community awareness and ownership in the operation and maintenance (O&M) of the ARP unit.

3. Proposed Intervention

- Installation of arsenic removal unit having 2000 LPH purification capacity unit in GP Rampurva.
- Installation of arsenic removal unit having 2000 LPH purification capacity unit in GP Nahkatiya.

Interested Bidders are required to submit their complete proposal on their letter heads along with all terms and conditions to email id: WAIProcurementUP@wateraid.org by **28th September 2026** which should necessarily include:

For any queries pertaining to the tender, please write to **me before 25th September, 2026.**

Profile of the organization, given as per the below –

1. Profile of Bidder-

1. Name of Organization:
2. Registration Certificate:
3. GST Certificate
4. Last three years Balance sheet
5. MSME Certificate (if registered)
6. 3 years Tax return File (attached)
7. Address for correspondence:

8. Office Phone:
9. Mobile Phones of corresponding officials:
10. Email for correspondence:
11. Locations of operations (Head office and Branch offices):
 - All certificates must be attached.

Terms and Conditions:

- Submit Quotations with subject line Items – **Quotation for Installation of 2 Nos ARU Bahraich** Without subject quotation will not consider for further process
- Proposal's should be addressed to Jal Seva Charitable Foundation, **2/92, Vishal Khand Gomti Nagar Lucknow 226010**
- The Proposal must be on the company letter head with date, signature and company seal. (It is to be signed by the authorized person).
- Proposals must be submitted to Procurement Email ID: WAIProcurementUP@wateraid.org Any proposal submitted to any other email id will not be considered.
- **The Proposal to be submitted as two separate attachment – 1. Technical proposal as per the BOQ and Financial proposal in non-editable PDF Format.**
- The proposal must have the subject mentioning the village name given in the table below of point 12.
- **THE PROPOSAL MUST BE SUBMITTED AS A SEPARATE ATTACHMENT FOR EACH VILLAGE (four attachments). Kindly refer the BOQ given.**
- Proposals received after due date will not be considered.
- Financial proposals must be submitted inclusive of applicable taxes and mentioning the validity of the quoted rate.
- All terms and conditions must be clearly mentioned in the proposals.

Incomplete proposals shall not be considered

- **The work shall be completed on or before 30 October 2026**
- **Payment shall be released based on the actual work completed and verified.**

2. Please provide details of two referees for the similar work done

Description	Referee 1	Referee 2
Name		
Designation		
Organization		
Description of assignment undertaken		
Phone/ Mobile/ Email of referee		

Quotation Summary sheet for two units

Sr no	Particulars	Unit Cost	Unit	Total Cost
01	Abstract Estimate for Arsenic Removal Unit-Civil Work		02	

02	Abstract Estimate for Arsenic Removal Unit-Installation of Solar Submersible Pump		02	
03	Abstract Estimate for Arsenic Removal Unit-Mechanical & Plumbing Work		02	
04	Painting & Branding		02	
05	GST 18%			
	Total			

01- Abstract Estimate for Arsenic Removal Unit-Civil Work

Detailed Cost Estimation for the arrangement of Arsenic Removal Unit at Bahraich									
ARU-Civil Work									
Sl. No	Description of items	No	L	B	D	Qty	Unit	Unit Rate (INR)	Amount (INR)
1	Earthwork in excavation for foundation in ordinary soil including murrum by mechanical excavator up to 3.0 m depth, dressing, levelling, disposal of surplus earth within 50 m lead and all complete as directed by the Engineer-in-Charge.	1	3	2.5	0.1	0.75	Cum		
2	Providing and laying in position Plain Cement Concrete of Mix 1:2:3 using machine crushed stone aggregate of approved quality and size, including mixing, placing, compacting, finishing and curing complete as per drawing and direction of Engineer-in-Charge. i) Pakur Variety, ii) Ultratech/Ambuja/ACC/ISI Marked Brand (PPC 43/53 Grade), iii) Sand: clean coarse river sand	1	3	2.5	0.1	0.75	Cum		
3	Providing and laying brick masonry in foundation above ground level using well-burnt bricks in cement mortar 1:6, including proper bonding, racking of joints, curing, and finishing complete as per drawing and direction of Engineer-in-Charge. i) Pakur Variety, ii) Ultratech/Ambuja/ACC/ISI Marked Brand (PPC 43/53 Grade), iii) Sand: clean coarse river sand	1	3	2.5	0.23	1.73	Cum		

4	Providing and laying brick masonry in Treated Water Tank hollow foundation with 230mm thick and 900mm height using well-burnt bricks in cement mortar 1:6, including proper bonding, racking of joints, curing, and finishing complete as per drawing and direction of Engineer-in-Charge.	1	2.03	2.03	0.9	0.83	Cum		
5	Providing and laying 150-200mm Over burnt brick bats in layers up to 0.9 meters from bottom level, including manual compaction as per standard specifications	1	1.8	1.8	0.9	2.92	Cum		
6	Providing and laying in position Plain Cement Concrete of Mix 1:2:3 on top of the Tank platform using machine crushed stone aggregate of approved quality and size, including mixing, placing, compacting, finishing and curing complete as per drawing and direction of Engineer-in-Charge. i) Pakur Variety, ii) Ultratech/Ambuja/ACC/ISI Marked Brand (PPC 43/53 Grade), iii) Sand: clean coarse river sand	1	1.8	1.8	0.1	0.32	Cum		
7	Providing RCC- M20(1:1.5:3) on 4 Column Filling Hut Pillar using machine crushed stone aggregate of approved quality and size, including mixing, placing, compacting, finishing and curing complete as per drawing and direction of Engineer-in-Charge. i) Pakur Variety, ii) Ultratech/Ambuja/ACC/ISI Marked Brand (PPC 43/53 Grade), iii) Sand: clean coarse river sand	4	0.5	0.5	0.5	0.50	Cum		
8	Providing, fabricating and fixing MS Angle framework using 50×50×4 mm MS angle sections (approx. 3.5 kg/m), including cutting, welding, drilling, primer coating, erection and all accessories complete. (Approx. total angle length: 35 m).	1				224	Kg		
9	Providing and fixing 0.50 mm thick colour-coated Galvanized Iron (GI) roofing sheets over MS framework including ridge, hooks, J-bolts, washers, overlaps and all fixing accessories complete.	4	3	2.5		30.00	Sqm		
10	Providing and fixing GI wire mesh/net enclosure to the ARU structure including necessary	4	3	2.5		30.00	Sqm		

	supporting members, clamps and fasteners complete.								
11	Providing and fixing MS framed door with GI sheet/wire mesh shutter including hinges, locking arrangement, holdfasts, painting and complete installation.	1				1.00	No		
12	Providing & laying Plastering in Tank Platform with cement mortar 1:4 (1 cement: 4 sand) 12 mm thick including curing complete. i) Pakur Variety, ii) Ultratech/Ambuja/ACC/ISI Marked Brand (PPC 43/53 Grade), iii) Sand: clean coarse river sand	4	2.0 5	0.9		7.38	Sqm		
13	Providing & laying Plastering in foundation with cement mortar 1:4 (1 cement: 4 sand) 12 mm thick including curing complete. i) Pakur Variety, ii) Ultratech/Ambuja/ACC/ISI Marked Brand (PPC 43/53 Grade), iii) Sand: clean coarse river sand	1	3.2 3	2.83		9.14	Sqm		
14	Providing and fixing GI fencing around the ARU plant area including GI posts, chain-link mesh, foundation concrete, fastening accessories and complete installation.	1	3.2 3	2.83		9.14	Sqm		
15	Providing, supplying and fixing 2000 L capacity triple-layer HDPE water storage tank (Syntex/Astral or approved equivalent) including inlet, outlet, overflow, scour pipe, fittings and complete installation.	1				1.00	No		
16	Providing and laying 25 mm dia UPVC plumbing network using Astral/Supreme or approved equivalent pipes and fittings including elbows, tees, unions, valves, solvent cement, clamps and all accessories complete.	1	20			20.00	M		
17	Providing and fixing stainless steel drinking water taps with all required GI/UPVC fittings, nipples, sockets and accessories complete.	3				3.00	No		
18	Providing, fabricating and installing stainless steel/GI wastewater drainpipe and welded drinking water dispensing station complete with supports and accessories.	1	1.5	0.3		0.45	Sqm		
19	Providing and applying one coat of primer and two coats of approved exterior paint to tank platform	4	2.0 5	0.9		7.38	Sqm		

	surfaces including surface preparation and cleaning complete.								
20	Providing and applying one coat of primer and two coats of approved synthetic enamel/exterior paint to foundation, MS structure, doors and all exposed steel surfaces including proper surface preparation complete	4	3.23	2.83		36.56	Sqm		
Total									

02- Abstract Estimate for Arsenic Removal Unit-Installation of Solar Submersible Pump

Detailed Cost Estimation for the arrangement of Arsenic Removal Unit at Bahraich.									
ARU-Mechanical & Plumbing Work									
Sl. No.	Description of items	No	L	B	D	Qty	Unit	Unit Rate (INR)	Amount (INR)
1	Providing, supplying, installing, testing and commissioning of Community Arsenic Removal Unit (ARU) comprising Oxidation Chamber, Multi Grade Filter, Activated Carbon Filter, Activated Alumina Filter, FRP Pressure Vessels, Multiport Valves, Pressure Gauges, Interconnecting Pipework, Fittings and Accessories complete in all respects incl. Transportation, loading, unloading and safe delivery of ARU equipment and accessories to project site including handling charges.	1				1	Set		
2	Providing and laying complete internal plumbing system including 25 mm UPVC pipes, fittings, unions, valves, nipples, elbows, tees, solvent cement, supports and all accessories for interconnection of treatment units, complete as per approved layout.	1				1	Set		
4	Installation, alignment, testing, commissioning and trial run of complete ARU system including connection with pump, treated water tank and demonstration to user committee.	1				1	No		
Total									

03- Abstract Estimate for Arsenic Removal Unit-Mechanical & Plumbing Work

Detailed Cost Estimation for the arrangement of Arsenic Removal Unit at Bahraich
Installation of Solar Submersible Pump

Sl. No.	Item	Description of Activites	No	L	B	D	Qty	Unit	Unit Rate (INR)	Amount (INR)
1	Solar Panel	Supply and Installation of Solar Panel (545 W) bifacial solar panel with each panel having atleast 40 Vmp and connector with cable incl. fittings- Waree, Adani, Tata (Non DCR)	2				2.0	Nos		
2		Supplying & fitting 4 mm2 Copper-DC service cable from Solar panel to Hybrid Controller	1	10			10.0	Meter		
3		Supply and Installation of durable, corrosion-resistant, and high-strength GI Solar structure for solar panels.	1				1.0	Nos		
1	Solar Pump Installation	1HP 3 Phase 80-120 Volt solar power pump with hybrid controller (ON GRID/OFFGRID) & Sensor (Kiloskar/Medini/Crompton brand) with all fittings, fixtures, tools, tackles, etc.					1.0	Set		
2		1HP hybrid solar pump VFD controllers are advanced devices designed to run 1HP AC induction or BLDC motors using both solar (DC) and grid (AC) power					1.0	Set		
3		Supply and laying of 3-core × 1.5 sq.mm copper submersible cable, length, with proper connections from starter board to 1 HP submersible pump					45.0	Meter		
4		Supplying & fitting 1.5 mm ² copper triple core AC service cable from hybrid controller to pump					85.0	Mtr		
5		Supplying & fitting 4 mm ² safety cable from ground level to solar pump					75.0	Mtr		
6		Providing and laying of 15mm dia heavy-duty PVC conduit pipe underground for cable protection, complete with all accessories, bends, and proper jointing.					20.0	Meter		
7		Supplying and installing suitable size stainless steel safety wire rope for submersible pump installation in existing bore well, to provide additional safety support to the pump set. The work includes proper tying, clamping, anchoring at top level and ensuring secure suspension of pump, complete as per site requirement					30.0	Meter		
8		Providing and installation of 1" HDPE pipe with nipple for submersible pump					30.0	Meter		
9		Providing and installing submersible pump in the existing bore well along with already installed hand pump without dismantling the hand pump. The work includes lowering of submersible pump, providing and laying column pipe, submersible cable, safety wire, necessary fittings and accessories, connection with power supply, testing and commissioning complete in all respects					1.0	Set		
11		safety rope or submersible hanging wire Good Quality	1				1.0	Nos		
12	Automatic water motor on/off system	1					Nos			
	Total									

4- Painting & Branding Single unit cost:

ARU Branding & Painting Work										
Sr. No.	Item	Activity	No	L	B	H	Unit	Quantity	Rate	Amount
1	Branding Board	Earthwork in excavation for foundation pits in all kinds of soil including dressing, ramming and disposal of excavated earth (350×350×900 mm pits × 2 Nos.)	2	0.35	0.35	0.9	Cum	0.221		
2		Providing and laying sand filling in foundation including watering and compaction (100 mm thick)	2	0.35	0.35	0.1	Cum	0.025		
3		Providing and laying PCC (1:3:6) using graded stone aggregate in foundation	2	0.35	0.35	0.1	Cum	0.025		
4		Providing and casting RCC footing (1:2:3) including centering, shuttering, vibration and curing	2	0.35	0.35	0.35	Cum	0.086		
5		Supplying, fabricating and fixing 50×50×3 mm GI/MS Square Tube support posts including cutting, welding, primer, galvanizing/paint complete (Approx. 4.8 m total length)					Kg	21		
6		Providing and fixing 3 mm thick MS sheet signage board (1200×900 mm) including cutting, edge folding, welding to frame and primer coat	1	1.2	0.9		Sqm	1.08		
7		Providing 25×25×3 mm MS angle/frame around sign board including fabrication and welding					Kg	10		
8		Metal primer (2 coats) and synthetic enamel paint (2 coats) to exposed MS surfaces complete					Sqm	2.5		
9		Digital vinyl print with UV lamination and pasting on MS signage board complete					Sqm	1.08		
10	Water Quality Board	Preparing the concrete and plastered surface by cleaning, rubbing with emery stone/sandpaper wherever required, applying one coat of approved cement primer, and		2.6	2.2		SQM	5.72		

		finishing with two coats of synthetic enamel paint of approved shade and brand on the Magic Pit boundary wall, RCC cover cap including all materials, labour, scaffolding, tools & tackles, complete as directed by the Engineer-in-Charge.							
11	Pit Cover	Preparing the concrete and plastered surface of the Silt Chamber by cleaning, removing loose particles, applying one coat of approved cement primer, and finishing with two coats of synthetic enamel paint of approved color and brand, including all materials, labour, tools & tackles, complete as directed by the Engineer-in-Charge.	1	1		SQM	1		
Total									

10a. ARU SPECIFICATIONS for Single Unit:

Sl. No.	Material/ Component	Specification	Make	Quantity	Unit	Remarks
1	Filter Media for Multi Grade Filter	Pebble, Gravel & Anthracite Media	Global	240	kg	Complete Filter Media
2	Activated Carbon Media	900 IV Coconut Shell Based Activated Carbon with Supporting Media	Global	25 + 160	kg	25 kg Activated Carbon + 160 kg Support Media
3	Activated Alumina Media	Activated Alumina, 4x8 Grade for Arsenic & Fluoride Removal	Standard	75	kg	Adsorption Media
4	Pressure Gauge	0-7 kg/cm ² Pressure Gauge	ISW	4	Nos	Dial Type
5	Multi Grade Filter Vessel	FRP Pressure Vessel, 16" x 65", Top & Bottom Opening	Tata / Starlite	1	No	Complete with Accessories

6	Activated Carbon Filter Vessel	FRP Pressure Vessel, 16" x 65", Top & Bottom Opening	Tata / Starlite	1	No	Complete with Accessories
7	Activated Alumina Filter Vessel	FRP Pressure Vessel, 16" x 65", Top & Bottom Opening	Tata / Starlite	1	No	Complete with Accessories
8	Multiport Valve	Side Mounted Multiport Valve suitable for 16" FRP Vessel	UKL	3	Nos	For MGF, ACF & AA Filters

