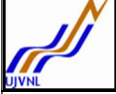


FOR PUBLICATION IN NEWSPAPER

	UJVNL LTD. H.O.: "UJJWAL", Maharani Bagh, G.M.S. Road, Dehradun-248006 Telephones: 0135-2763808, Fax: 0135-2763508 CIN No. U40101UR2001SGCO25866, Website: www.ujvnl.com
Corrigendum & Date Extension-01	
In tender NIT No.- 06/ EE(E&M)/ AB/ (2024-25): Supply & Erection of Water Purifier & Other Works at Asan Barrage, Dhalipur invited by the office of the EE(E&M), Asan Barrage, Dhakrani. The Technical Specifications & Schedule of Prices & Qty. have been revised as Corrigendum 01 along with date extension as follows: Last date for submission of tender :18/10/2024 at 13:00 hrs. Date of tender opening : 19/10/2024 at 11:30 hrs.	
For revised Technical Specifications & revised Schedule of Prices & Qty. kindly visit our website "www.ujvnl.com" rest of all the conditions shall remain same.	
Executive Engineer	
"Avoid wasteful use of Electricity"	

	यूजेवीएन लिमिटेड मुख्यालय: "उज्ज्वल" महारानी बाग, जीएमएस रोड, देहरादून 248006 दूरभाष 0135-2763808, फ़ैक्स 0135-2763508 सी0आई0एन0 सं0 U40101UR2001SGCO25866 वेबसाइट: www.ujvnl.com
शुद्धिपत्र एवं तिथि विस्तार-01	
निविदा सं0- 06/ अधि0अभि0 (वि0एवंयो0)/आ0बे0/(2024-25): आसन बैराज पर वाटर प्यूरीफायर की आपूर्ति एवं स्थापना व अन्य कार्य की तकनीकी विशिष्टताएँ तथा दरों एवं संख्या की अनुसूची शुद्धि पत्र-01 के साथ-साथ संशोधित एवं तिथि विस्तारित की जाती है। विवरण निम्नवत् है:-	
निविदा प्रपत्र जमा करने की अन्तिम तिथि : 18.10.2024 को 13:00 बजे तक। निविदा प्रपत्र खुलने की तिथि : 19.10.2024 को 11:30 बजे तक।	
संशोधित तकनीकी विशिष्टताएँ तथा दरों एवं संख्या की अनुसूची हेतु कृपया हमारी वेबसाइट "www.ujvnl.com" देखें। निविदा की अन्य शर्तें यथावत् रहेगी।	
अधिसासी अभियन्ता	
"Avoid wasteful use of Electricity"	

SECTION-4: TECHNICAL SPECIFICATIONS AND SCOPE OF WORK

TECHNICAL SPECIFICATION AND SCOPE OF WORK FOR “SUPPLY & ERECTION OF WATER PURIFIER & OTHER WORKS AT ASAN BARRAGE, DHALIPUR” AGAINST TENDER SPECIFICATION NO. 06/EE (E&M)/ ASAN BARRAGE/ (2024-25)

1.0 Introduction:

Asan Barrage is owned by UJVN Limited. Asan Barrage is constructed on Asan River, near Dhalipur which is 50 Km away from district head quarter Dehradun. Salient Features of the Asan Barrage is as below:-

Location : The barrage at 0.7 km. D/S of the confluence of tail race channel of Yamuna Stage-I with river Asan.

Catchment Area of Asan Barrage

(i) Yamuna River	: 11200 Sq. Km.
(ii) Asan River	: 715 Sq. Km.
Maximum Pond level	: EL 401.50 m.
Minimum Pond level	: EL 400.50 m.
Gate size	: 14 Nos, 18.228 x 5.55 mts. Pier- 2.438 m.
(i) Under sluice Bays	: 01 to 04
(ii) Barrage Bays	: 05 to 14

4 bays on left side are separated by 10 bays on right side by a divide wall called under sluice bays. The main function of the divide wall is to isolate the head regulator from the main flow. The wall extends up to 80 m. in U/S as well as 80 m. D/S side.

Design Flow	4500 Cumecs.
Maximum Possible Flood	6000 Cumecs.
Dominant Flood	2/3 of Design flood.

HEAD REGULATOR

Overall length	: 51 m.
No. & Size of spans	: 5 bays of 9 m each
Size of gates	: 9 m x 3.5 m.

POWER CHANNEL

Capacity	: 198.2 cumecs.
Total length	: 4.0 km.
(i) Bed width 0.05 km	: 42.5m.
(ii) 0.5 to 4.0 km.	: 11m.
(iii) Side slope	: 1.5:1

2.0 SCOPE OF WORK

The scope of work includes “SUPPLY & ERECTION OF WATER PURIFIER & OTHER WORKS AT ASAN BARRAGE, DHALIPUR”. Item wise detail of work is as below-

1. SUPPLY OF COMMERCIAL WATER PURIFIER (RO+ HOT+ AMBIENT). – 01 No.

Make: Eureka Forbes Limited

Product Specifications

- Integrated Purifier and Water Cooler Eliminates the need for integration of purifier and cooler separately.
- Active Copper Zinc Booster Technology Infuses the right amount of Copper and Zinc ions to give you pure and healthy drinking water always.
- Large Storage Capacity Ensures there is enough supply of water at all times with its 80 litres storage tank.

- Built-in Safety Feature in-built electronic monitoring system that stops the water flow if the purification is inadequate.
- Advanced 7 Stage Purification Comes with seven stages of purification, including UV that inactivates all known disease-causing bacteria and viruses.

TECHNICAL INFORMATION

- Dimension (HxDxW) cm750 x 570 x 1350 mm
- Weight 88 kgs
- UV Lamp 8
- Rated Power (W) 850 +/- 10%
- Operating Input Voltage Input 230 V AC and 24 / 48 V DC output
- Storage Capacity 120 liters
- Material Outer Body CRCA steel
- Thermal Insulation for Storage Tank

2. INSTALLATION OF COMMERCIAL WATER PURIFIER (RO+ HOT+ AMBIENT) as per Item No. 1 with all necessary plumbing fittings as required including all required accessories etc. for proper completion of the work. The stand of appropriate size using MS Angle & Flat etc. duly painted should be fabricated and provided by the firm.

- 01 Job

3. SUPPLY OF WATER PURIFIER – 01 No.

The product should be as per BIS Norms and copper infusion in adherence to IS10500: 2012

Drinking water specification (Acceptance Limit)

- Make: Eureka Forbes Limited
- RO+UV Taste Adjuster Hot & Ambient Copper Water Purifier
- Product Description & Technical Specifications:
 - Dimensions MM (WxDxH): 330 x 350 x 490 mm
 - Storage Capacity: Ambient Water Tank 3.1 Litre and Hot Water Tank 0.8 Litre
 - Purification Modules: Sedi-Filter, Chemi Block, Reverse Osmosis Cartridge, UV e boiling, 3 in 1 Active Copper Tech, TDS Regulator
 - Input Water TDS: 0 to 2000 mg / litre
 - Input Water Pressure: Up to 3.0 kg / cm²
 - Input Water Chlorine (Max): 0.2 mg / litre
 - Input Water Turbidity (Max): 5 NTU
 - Input Water Iron (Max): 0.3 mg / litre
 - Power Consumption: 595 Watts
 - INPUT VOLTAGE: 230 V AC / 50 Hz & External AC/ DC adaptor 24 V DC, 2.5 Amp
 - UV Lamp: 4 watt
 - Details of the items in the package (Number of Units/Quantity): Water Purifier 1N, Installation Kit 1N, Warranty Card + QR Code 1N

4. ERECTION OF WATER PURIFIER -01 Job

Installation of Water Purifier as per Item No. 3 with all necessary plumbing fittings etc. as required.

FABRICATION OF SHED AS PER (ITEM No. 5, 6, 7, 8, 9 & 10): Providing, fabricating, assembling, hoisting/ erecting and fixing in position all shapes & sizes with all leads & lifts using MS Rolled Steel Sections, Hollow/ Tubular sections, all type of sheet/ plate, Bright Bars, deep threaded MS bolts, threaded J bolts, insert plate, support plate etc. as per drawing. All confirming to latest relevant IS codes for the work of steel structures of built-up section, framework for Screen/ facade etc. including straightening, cutting, bending, bolting and welding the members all as per structural drawings etc. complete in the situations.

a. Profile Cutting of components to required length/ width and shape/ profile.

- b. Smooth grinding/ machining of edges/ faces/ all welding joints.
- c. Necessary welding (electric arc welding) for required weld lengths and sizes.
- d. Machine drilling of holes for joining/ anchoring. The rate shall include dry sanding, degreasing (wet cleaning) & preparation of rust-free surface manually or mechanically, metal putty to make the surface even and smooth.
- e. Providing and fixing base plate welded at bottom of pipe 12" x 12" x 12mm thick.
- f. It inclusive of anchor fastener, nut, bolt, accessories etc. for fixing the elements.

Approved Make for **(ITEM No. 5, 6, 7 & 8)**: TATA/ JSW/ Jindal/ Asian/ APL/ Apollo or equivalent of ISI marked

5. Supply, Fabrication & Installation of MS Pipe (Round Shape) 4" - 402 kg.
6. Supply, Fabrication & Installation of MS Pipe (Square Shape) 2" – 760 kg.
7. Supply, Fabrication & Installation of GI powder coated roofing sheet of 0.5mm thick of approved colour. – 1170 Sq. Feet.

It includes Providing and fixing Sheet Roofing at all levels including fitting and fixing self-drilling, self-tapping screws complete. For Roof and truss Providing, fitting, hoisting and fixing of roof trusses fabricated out of combination of any two or all of the following sections (i) Square section (ii) Rectangular Hollow section of specification RSH/SHS and (iii) M.S. circular hollow section of Grade 210 including, bottom runners and providing M.S. cleat, M.S. angle base plank, bolts and nuts with red oxide primer including fitting bottom runner and cleat etc. for fixing Base plate for roof truss 12" x 12" x 8mm Thick Rectangular hollow pipe 40 x 40 x 4mm thick and 50 x 50 x 4mm thick.

8. Supply, Fabrication & Installation of M.S Welded Mesh of Size (25mm X 25mm) & 2.45 mm mm thick of standard company make, ISI marked to cover the sides after making of frame using MS Angle etc. as required for proper completion of the work. – 705 Sq. Feet.
9. Grouting work of structure – 01 Job.

It includes Grouting work is to be carried out to fill the gaps between concrete and rock structures and fill the voids between mined materials as per site requirement

Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sq.mt. on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. RCC Reinforced cement concrete (RCC) work in walls (any thickness), reinforcement Ed pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, including cost of straightening, cutting, bending, placing in position and binding all complete up to plinth level and also including centring, shuttering, finishing and reinforcement : M20 grade concrete Steel 12mm Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in: 6.4.1 Cement mortar 1:4 (1 cement : 6 coarse sand) including 12 mm thick cement plaster both side with tapered edges 1:3 (1 cement : 3 coarse sand)

10. Cleaning the metal surface by the suitable cleaning agent. Painting of all MS pipe, base plate, nuts, bolts etc. of Shed by 2 coat of zinc chromate yellow oxide primer and 2 coat of enamel paint of approved shade of paint over all the surfaces of the steel sections to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. at all height including the scaffolding. The second coat shall be applied after drying out of first coat. Approved brand and manufacture (Asian / Berger/ Dulux / Nerolac). – 01 Job.

General conditions of contract:

1. The work includes all manpower, material, consumables, required T&P and transportation complete in all respect.
2. The work is to be done by the contractor as per relevant standards code of practice.
3. The work will be carried out by the contractor as per CPWD Electrical Manual/UJVN LIMITED practice.
4. The erection work of supports comprises of fittings, clamps with bolts and nuts & clamps etc. complete in all respect.

5. All materials including cement, sand, Bajri, Bricks, paint and primer, etc. shall be arranged by the contractor at his own cost.
6. Any loss and/or damage to the materials during the transportation storage and erection shall be the entire responsibility of the contractor.
7. Any defective/inferior quality work shall have to be recessed by the contractor free of cost to the satisfaction of Engineer in-charge.
8. Contractor shall be responsible for watch and ward to the lines and also be responsible for theft of any material.
9. Any surplus/dismantled/constructed material shall be handed over by the contractor to the JE (E&M), concerned.
10. Any loss and/or damage to the materials during the transportation and repairing of line shall be the entire responsibility of the contractor.
11. Any fittings, accessories or apparatus which may not have been specifically mentioned in this specification, but which are usually necessary for the satisfactory operation of the equipment, shall be deemed to have been included in this specification.
12. All material shall be suitably packed for transport, direct to site and the firm/contractor shall be responsible for all damages/losses due to improper packing. All boxes shall be marked with signs indicating the up and down sides of the boxes along with the unpacking instructions, if considered necessary by the Manufacturers.
13. All the recommended services of Water Purifier within the warranty period shall be carried out by the firm/contractor without any extra cost.
14. The Contractor has to arrange for own accommodation for all kinds/ categories of employees viz permanent, temporary, on contract daily wages employed by him.
15. UJVN LIMITED shall not be responsible for the protection, any type of insurance, any kind of accident or damages to the property of the contractor and employees of the contractor.
16. UJVN LIMITED shall not extend any facility applicable to Nigam employees to the employees of the contractor. The vendor shall give an undertaking that all the employees deployed for the scope of UJVN LIMITED work by the contractor shall be at his own liability and they have to work under the contractor /bidder and that any kind of claim at any stage to be made by such employees to the Nigam including the demand of temporary /permanent employment in the UJVN LIMITED or regularization in the UJVN LIMITED shall stand null and void and shall be treated to be cancelled.
17. No residence at site shall be provided to contractor by UJVNL other than camp office and stores within the project premises.
18. Electricity consumed in maintenance or repairing works, if any, within the project including store and camp office provide to contractor shall not be charged to the contractor.
19. The work shall include all material, labour, consumables, transportation & T&P etc. required for proper completion of the work.
20. All the materials shall be supplied of standard company make as per scope of work as per prior approval of Engineer-in-charge of the contract.
21. Water purifier shall confirm with warranty from the date of supply as per company norms on the various parts covered within.

TS approved
[Signature]
09/12/24

[Signature]
9/11/2024
Executive Engineer (E&M)
Asan Barrage

"Revised"

SECTION-5: SCHEDULE OF PRICES & QUANTITY

SCHEDULE OF PRICES & QUANTITY FOR "SUPPLY & ERECTION OF WATER PURIFIER & OTHER WORKS AT ASAN BARRAGE, DHALIPUR" AGAINST TENDER SPECIFICATION NO. 06/EE (E&M)/ ASAN BARRAGE/ (2024-25)

Sl. No.	Description of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Supply of Water Purifier (RO+ Hot+ Ambient).	1	No.		
2	Installation of Water Purifier (RO+ Hot+ Ambient) as per Item No. 1 with all necessary plumbing fittings etc. as required.	1	Job		
3	Supply of Water Purifier.	1	No.		
4	Installation of Water Purifier as per Item No. 3 with all necessary plumbing fittings etc. as required.	1	Job		
5	Supply, Fabrication & Installation of MS Pipe (Round Shape) 4", Make: APL/Apollo/Jindal, ISI marked.	239	kg		
6	Supply, Fabrication & Installation of MS Pipe (Square Shape) 2", Make: APL/Apollo/Jindal, ISI marked.	480	kg		
7	Supply, Fabrication & Installation of GI powder coated sheet of 0.5 mm thick of approved colour Make: Tata/JSW, ISI marked.	870	Sq. Feet		
8	Supply, Fabrication & Installation of M.S Welded Mesh of 2.45 mm thick of standard company make, ISI marked.	900	Sq. Feet		
9	Grouting work as per site requirement.	1	Job		
10	Painting of Shed of approved colour & make.	1	Job		
Total					

In words Rs.

Price Basis

Taxes (Inclusive/Extra), also mention rate of tax @.....

SIGNATURE OF CONTRACTOR
WITH SEAL

Seen
[Signature]
09/11/24

[Signature]
EE 09/10/2024