



**Request for Proposal for the Supply, Installation, Testing and Commissioning of Deep Tube Well Works at Arefin Nagar, Asian University for Women.**

**RFP Summary Sheet**

<b>Name of the company</b>	Asian University for Women
<b>Procurement Reference Number</b>	Construction of Boundary Wall
<b>Date of issue of the RFP</b>	30 <sup>th</sup> May, 2024
<b>Date and Closing Time for RFP submission</b>	30 <sup>th</sup> June, 2024 (12:01 pm) (GMT +6)
<b>Quotation submission mail address</b>	<a href="mailto:tender98@auw.edu.bd">tender98@auw.edu.bd</a>
<b>Address for Communication</b>	<b>Asian University for Women</b> 20/A M. M. Ali Road Chattogram 4000, Bangladesh Tel: +880-31-285-4980 Fax: +880-31-285-4988

Bidders are invited to submit their proposal in accordance with the enclosed Request for Proposal (RFP) terms.

AUW reserves the right to reject any or all offers without assigning any reason.

Complete confidentiality should be maintained. Information provided here should be used for its intended scope and purpose. Retention of this RFP signifies your agreement to treat the information as confidential.

All communication with regard to this request for proposal needs to be directed to AUW directly while in copy of all these communications at the email addresses mentioned in the RFP mail.

For any further queries can contact in below mail: Primary point of contact for RFP process and technical queries Mohammed Ishrat Bin Mahbub; Head of Procurement; Email: [mohammed.mahbub@auw.edu.bd](mailto:mohammed.mahbub@auw.edu.bd); Contact Number: +8801926673027; Whatsapp: +8801671470348.

**Proposal should be submitted only in the email: [tender98@auw.edu.bd](mailto:tender98@auw.edu.bd)**

**No other AUW email should be in TO/CC/BCC. Any proposal violate this instruction may face the cancellation of their proposal.**

## Objective

Asian University for Women (AUW) seeks to graduate women who will be skilled and innovative professionals, service-oriented leaders in the businesses and communities in which they will work and live, and promoters of intercultural understanding and sustainable human and economic development in Asia and throughout the world.

## Requirements

We, to achieve our objectives, need the following product/services are below:

### Supply, Installation, Testing and Commissioning of Deep Tube Well Works at Arefin Nagar, Asian University for Women.

Deep tube well					
Sl. No.	Short Description	Unit	Quantity	Unit Price (BDT)	Total Amount (BDT)
	<b>Special Notes: All measurements in schedule are tentative. The bidder has to quote against all the items as per schedule but payment shall be made on the basis of actual work done and approved measurement. The contractor has to collect sample of sand @ 10 feet interval.</b>				
	<b>50mm x 125mm shrouded</b>				
1	<b>TEST BORING:</b>				
1.01	<b>Mobilization:</b>	L.S	1		
	Transportation of materials, equipment, tools and plants, boring rig to work site, construction of derrick and dismantling the same, cleaning the site after completion of the work as per direction of the Engineer in-charge.				
	<b>Test Boring</b>				
	Boring by 125 mm dia cutter and 50 mm dia upvc pipe and other equipment capable of drilling upto 150 meter by water jet system through all sorts of strata, protection of caving by supplying necessary casing pipe, collection of soil samples at every 3 meter interval and at every change of strata and preserve them for analysis, withdrawal of boring pipes and casing pipe etc. complete as per direction of Engineers in-charge/Consultant. After Testing complete set with Pump, Pipe etc. shall be the property of the Owner.				
a)	From 0 to 50 m	Rm	50		

b)	From 50m to 100m	Rm	50		
c)	From 100m to 150 m	Rm	50		
d)	From 150m to 200 m	Rm	50		
e)	From 200m to 250 m	Rm	50		
f)	From 250m to 300 m	Rm	50		
g)	Pump/Pipe etc.	Lot	1		
2	<b><u>MAIN BORING:</u></b>	Rm	305		
	Execution of boring through all sorts of strata reserve circulation for boring 14” dia vertical hole upto designed depth and collection of soil sampling at every 3 meter interval and at every change of formation including sinking and withdrawing necessary casing pipe and all necessary arrangements complete.				
3	<b><u>SUPPLY &amp; INSTALLATION:</u></b>				
	Supply and installation of well fixtures at working site shall be as per standard practice and direction of the Engineer-in-charge and specification. All materials shall be brand new and shall have approval before installation.				
3.01	Upvc 100mm dia Filter pipe class D Well Screen 100NB 15 meter length 0.03” (0.75mm) slot size at internal surface 20% minimum open area complete with thread protector.	Rm	15		
3.02	Supply & Installation of 150mm dia class D upper well casing.	Rm	266		
3.03	Supply & Installation of 150mm dia bail plug 3m length.	Rm	3		
3.04	Supply and Installation of 50 mm dia MS column pipe.	Rm	105		
3.05	Supply and Installation of 50mm dia MS delivery pipe above ground.	Rm	40		
4	Preparation and making gravel pack around the tube well fixture and bore hole with supply of designed graded pea gravels (passing through 10 mesh and retained on 40 mesh) including sieving, washing etc. complete as per specification and direction of the Engineer-in-charge.	Cum	180		
5	Carry out particle size analysis of formation samples using full sieve set in the laboratory.	Lot	1		

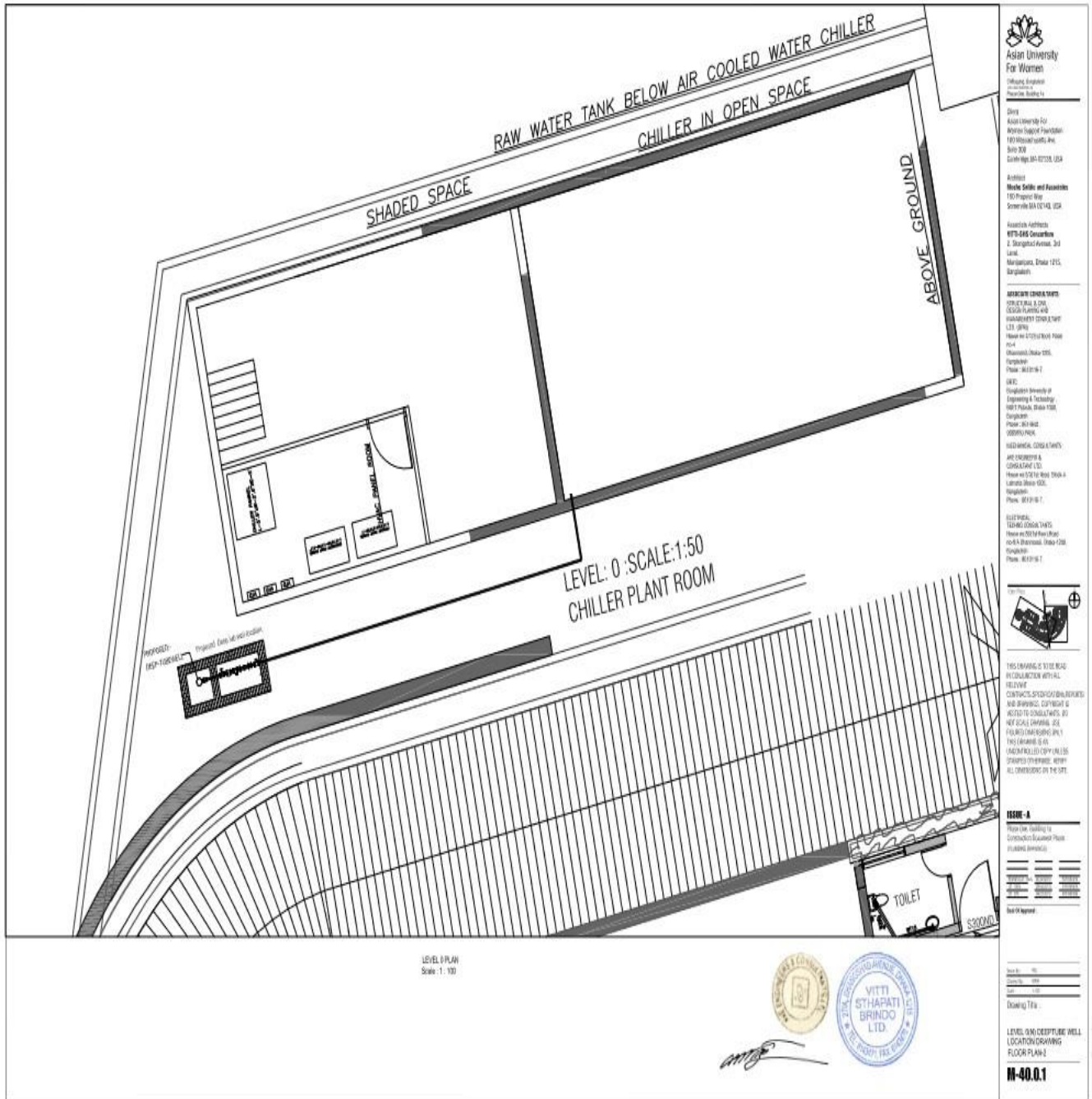
6	Complete development of tube well by suitable air compressor and pump of suitable capacity by alternate surging and pumping until satisfactory yield, sand free water and turbidity condition is reached using necessary quantity of cologne and conducting step draw down test before and after the development as per specification. Development should be started within 24 hours of completion of shrouding)				
a)	Well up to 200m depth	Each	1		
7	Long term pumping test of the well by required capacity of submersible pump with supply of testing equipment and all materials for 72 hours including yield draw down and recovery test etc. complete as per specification.	Job	1		
8	Disinfection's of the well including supply of sufficient quantity of bleaching powder (33% strength) chlorinated water having 130gpm available free chlorine etc. complete as per standard practice.	Job	1		
9	Filling of the borehole around the tube well from top of the shrouding up to the bottom of sanitary seal by withdrawal selected soil or local clay as per standard specification.	rm	300		
10	Making a sanitary seal up to a minimum depth of 5 meter from GL including the supply of approved quality of cement, sand, khoa (12mm down graded) in ratio (1:1.5:3) as per standard specification.	Cum	35		
11	<b><u>PUMP SET:</u></b>	Set	1		
	Supply, Installation and Commissioning of multi-stage centrifugal type submersible pump set stainless steel body suitable to handle <b>100 to 150 US gallons per hour of water against a head of 90 meter.</b> Pump set shall be complete with submersible motor, under water electrical cable without joint upto panel and mechanical ancillaries, control equipment including the acceptance test and discharge pipe, flange, bolts, nuts and other minor accessories as required as per clauses of the specification and to the satisfaction of the consultants.				
12	<b><u>PUMP TO PANEL CABLE:</u></b>	Rm.	110		
	Marin Submersible Cable 3 X 4 SQ. MM				
	Supply, Installation and Commissioning of under water electrical cable without joint upto pump panel and mechanical ancillaries, control equipment including the acceptance test and discharge pipe, flange, bolts, nuts and other minor accessories as required as per clauses of the specification and to the satisfaction of the Developers.				
a)	50mm dia Butter Fly Valve	No.	1		

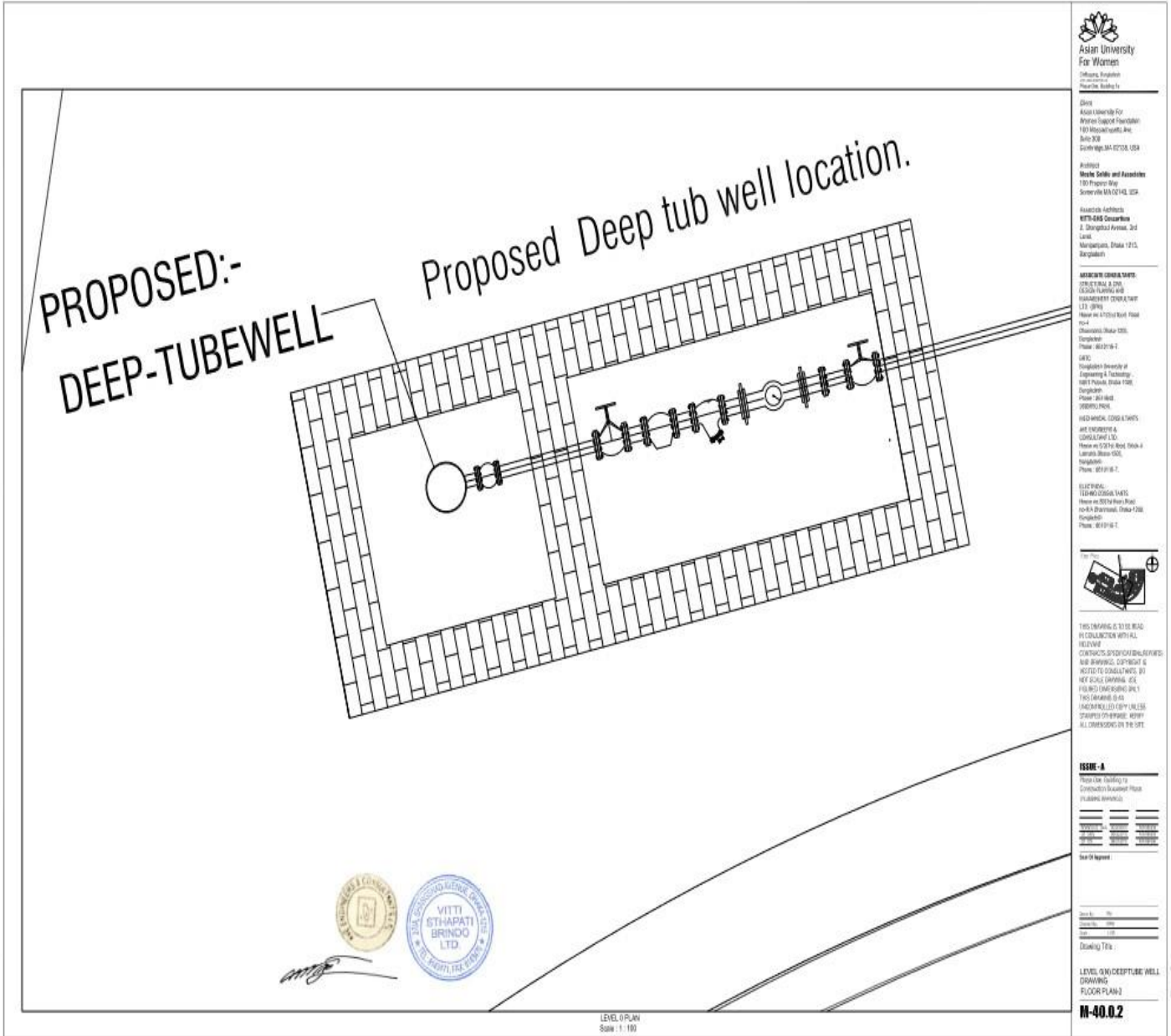
b)	50mm dia Y-STRAINER Valve	No.	1		
c)	50mm dia Flexible Joint	No	1		
d)	50mm dia Non-Return valve	No.	1		
f)	25mm dia Gate Valve	No	1		
13	<b><u>METERING DEVICE &amp; CONTROLS:</u></b>	No.	1		
14	<b><u>PRESSURE GAUGE:</u></b>	No.	1		
	Pressure gauge shall be of dial type of 50mm dia suitable to read 0 to 10 Kg pressure. Pressure snowbar, nipple etc.				
15	<b><u>PUMP PANEL:</u></b>	Set	1		
16	Pump panel shall be constructed with 18 BWG sheet steel painted with epoxy paint over a coat of epoxy primer. The panel shall house star-delta starter for the pump, MCCB, ammeter, voltmeter, selector switch, current transformer, insulator etc. complete. Panel earthing shall be done as per direction.				
17	<b><u>WATER LEVEL CONTROLLER:</u></b>	Sets.	1		
	Supply & Installation of Water Level Controller shall be complete with all required accessories and controls. Level Controller shall be suitable to operate the pumps on demand and shall restrict the dry operation of the pump when the water level of Under Ground reservoir falls at a preset level.  <i>Origin of main components shall be of Korea, India or equivalent.</i>				
18	<b><u>ELECTRICAL WORK:</u></b>	Lot.	1		
	Supply and Installation of single/multi core PVC insulated, PVC sheathed electrical cable of copper conductor of required sizes for three nos of pumps.  The work shall be complete with water grade PVC conduit, required ECC, conduit bends, tees, junction box, pull box etc. complete as per direction and standard. Cutting of walls floor, roof etc. mending good the damage shall be as per direction. The Authority shall supply required power up to pump house.				
19	<b><u>TESTING, COMMISSIONING AND BALANCING:</u></b>	Job	1		
	After proper installation the system shall be tested, commissioned and balanced as per direction and recommendation. Pipe work shall be tested at a test pressure of 15 kg/cm <sup>2</sup> for 24 hours without any leak. After proper testing, commissioning and balancing the system shall run for seven days upto the satisfaction of the Owner.				

20	<b><u>DOCUMENTATION:</u></b>	Job	1		
	Detail fabrication drawing shall be prepared as per approved layout drawing. Modification of drawing shall be prepared as per site condition. Compilation of all the document such as built drawing, operation and maintenance manuals etc. shall be done as per direction and the contractor has to submit in three (3) sets.				
<b>TOTAL COST IN TAKA</b>					

# Drawing and Design

Annexure 1









**Information need to be submitted with financial proposals:**

- a) Physical visit to the site is mandatory before submitting the proposal.
- b) Having previous experience in hill track is preferable.
- c) Cost should mention VAT amount separately with percentage while AIT is inclusive.
- d) The awarded company can have mobilization cost based on an equal amount of pay order submission to the Asian University for Women.
- e) Trade license
- f) TIN/BIN
- g) Similar work experience details
- h) Company details
- i) Lead time to accomplish the task

**Please note that this offer is subject to the following terms and conditions:**

1. The quantities mentioned are tentative quantities required and may change at the time of the finalization of the contract/PO.
1. Any query for clarification on the bid can be had from the undersigned latest by 30<sup>th</sup> June, 2024 11:01 am. Please note that any inquiry received from any bidder will be sent to all bidders without disc losing the source of the inquiry.
2. AUW reserves the right to award the contract to one or more bidders. Accordingly, the final quantities required will be divided among successful bidders. The quantities so divided will be at the sole discretion of AUW.
3. AUW reserves the right to cancel the bidding before or after the receipt of bids or also after the opening of bids and call for fresh bids. AUW also has the right to reject any bid without assigning any reason.
4. Bids incomplete in any respect will not be considered.
5. Please mention your payment terms in the bid.
6. The basic rates quoted should be effective until 30<sup>th</sup> December, 2024