

ISLAMIC RELIEF BANGLADESH

House # 10, Road # 10, Block # K, Baridhara, Dhaka-1212.



Tender Documents for supplying of 25 Set Pipeline Water Supply Network Materials at Nalitabari Upazila, Sherpur District and Haluyaghat Upazila, Mymensingh District.

Tender No.	Tender # 10/2026
Package No.	Package # 07 (RFQ # 119/2026)
Issued On	17/05/2026
Last Date and Time for Submission of Tender	Tender will be received up to 11.50 AM on 07/06/2026
Date and Time for Opening of Tender	Tender will be opened on 07/06/2026 at 12.00 PM by the Tender Opening Committee (TOC) at the office of the undersigned with physical or virtual presence of the interested bidders by MS Teams .
MS Teams Meeting ID	316 275 011 058 384
Passcode	rL34vx9n

Please fill the table mentioned below:

Name of Vendor/ Company	
i) Registered Business Address ii) Corporate Address (if different)	
Name of Proprietor/MD with Contact Number	
Name of Contact Person with Contact Number	
Email ID	
Total Bid Security Amount	
PO/DD/BG Number and Date	
Name of Bank	
Name of Branch	

At a glance of quoted offer

SL	Name of items	Specification	Unit	Qty	Unit Price	Total Price	Remarks
01	Pipeline Water Supply Network Materials supply	As per attached BoQ	Set	25			
Grand Total =							
(Total Amount in words: BDT.							

For technical clarification, please contact **01777773883**



Section: A, General Info/IRB Compliances



01	Programme	Humanitarian & Resilience Programme
02	Delivery Place	IRB Warehouse Level (1. Nalitabari Upazila under Sherpur District- 13 Set and 2. Haluyaghat Upazila Under Mymensingh District- 12 Set). IRB Representative / Receiver: Riajul Islam 01329693305 for Nalitabari and Abul Khair 01777761287 for Haluyaghat.
03	Procurement Method	Open Tender
04	Time for Completion of the Works	The job must be completed within 15-30 Days after issuing of Purchase Order.
05	Mode of Payment	Through A/C payee cheque or bank transfer.
06	AML & ATF Policy	IR will terminate this agreement without any notice if any supplier is found to be in violation of Anti Money Laundering & Anti-Terrorist Funding policy.
07	Child Protection Policy	IR reserves the right to terminate this agreement without any notice if any vendor is engaging child labours or supporting any forms of illegal practices.
08	Anti-Bribery Policy	IR follows ZERO-TOLERANCE policy for any form of bribery or corruption.
09	Modern Slavery Act:	The international Labour Standards as defined by the ILO (international Labour Organization). Below is a link to the section 26 of the Modern Slavery Act so please familiarise yourselves with this. http://www.legislation.gov.uk/ukpga/2015/30/section/26/enacted
10	Anti-social or Anti-state activity	The Service Provider and Receiver both the parties must respect and uphold the rules and laws of the country, and by no means undermine it whatsoever.
11	Eligibility of the Contractors/Firms to compete in the Tender	This invitation for tenders is open to all eligible tenderers who have: i) Relevant work experience with INGO ii) Up-to-date Business Documents iii) Financial and Organizational capabilities iv) Bank Statements for the last 06 (Six) months
12	Price of Tender Document	Nil
13	Amount of Tender Security	2.5% of total quoted amount
14	Tender documents are available	http://islamicrelief.org.bd/tender
15	Name and Address of the Office for Issuing, Opening & Receiving Tenders	IR Bangladesh Country Office, House # 10, Road # 10, Block-K, Baridhara Diplomatic Zone, Dhaka-1212
16	Tender Validity	Tender shall be valid for a period of 45 days after tender opening.
17	Change of Schedule Date & Time	If it is not possible to receive/open the tender on the schedule date for any unavoidable circumstances, the same will be received / opened on the next working date at the same circumstances.
18	Filling in the Tender Documents	Clear with Indelible ink, duly signed and stamped
19	Distribution of Works	IRB has the authority to divide the works among the qualified vendors for risk minimization, healthy competition and faster completion of the works
20	Authority of Rejection	The IR Bangladesh authority reserves the right to accept or reject any or all tenders without assigning any reason whatsoever.



Section: B, Tender Data Sheet



01. GENERAL	
Employer	Islamic Relief Bangladesh
02. TENDER DOCUMENT	
For the clarification of Tender only টেন্ডার সংক্রান্ত তথ্যের জন্য	For clarification of tender's purposes only, the Employer's address is: Attention: Procurement Coordinator Address: IR Bangladesh Country Office, House # 10, Road # 10, Block-K, Baridhara, Dhaka1212, Tel: 02-222299128, 02-222299130, Cell: 01325083748 (Sunday-Thursday, at 09 AM to 05 PM) Email Address: procurement@islamicrelief-bd.org
03. PREPARATION OF TENDERS	
Tender Documents	Documents must be submitted by Tenderers are: a. Up to date copy of Trade License attested by the proprietor/head of organization b. Copy of up-to-date VAT Registration Certificate attested by the proprietor/head of organization c. Up to date copy of TIN/ TIN Certificate attested by the proprietor/head of organization d. Experience Certificate/WO copy with contact info for reference check attested by the proprietor/head of organization e. Clients List attested by the proprietor/head of organization f. Tender Security: PO or BD or BG from any Schedule Bank g. You are requested to provide a forwarding letter on your organization's letterhead pad with seal and signature from the authority with this offer along with duly filled in Summary of Tender Submission as per attached format.
Tender Security	A Tender Security 2.5% of total quoted amount will be required in the form of a Pay Order or Bank Draft or BG in favour of the "ISLAMIC RELIEF" accompanied with each tender
04. SUBMISSION OF TENDERS	
Filling Envelop	The inner and outer envelope shall bear the following additional identification marks: a) The Name of the Tender: c) Tender No: d) RFQ # e) Contractor's/Tenderer's Address: f) Additional documents should not be more than 10 pages excluding our requested documents.
05. AWARD OF CONTRACT	
5.1	The Tender will be Non-Responsive and Rejected if the Quoted Amount of the Tender is found not in accordance with the quality and specifications set out for this tender.
5.2	If mistake is found in the line items or total amount, the IR Bangladesh authority can reject or accept at its own discretion whichever IR Bangladesh deems advantageous or justifiable.
5.3	The amount of performance guaranty (PG) shall be 2.5% of the contract price and the bid bond will be kept as PG of winning bidder(s).
5.4	A. 2% of work order amount will be deducted from your total bill amount for each and every belated day or as per IRB management decision. B. 5% of work order amount will be deducted for any deviation with the given specification in your quotation if supply does not rectify immediately or as per IRB management decision.
06. COMPLAINTS OR SUGGESTIONS	
Complaints or Suggestions অভিযোগ বা পরামর্শ	For any complaints or suggestions: Email: feedback@islamicrelief-bd.org Cell: 017-7777-3701



Section: C, SPECIAL TERMS AND CONDITIONS



01. The rate quoted by the Suppliers should include the cost of all materials and all operational costs connected with the packages and supply, cost of organizational arrangements, capital, background works, planning, logistics arrangements and cost of all local and other VAT & Taxes, Tolls and Incidental Charges will be treated as having been included in the tender bid.
02. All relevant documents supplied duly signed by the tenderer in every page and be binding upon the tenderer
03. Before submitting the tender, the tenderer should study/inquire the entire supply & work thoroughly in consultation with the relevant stakeholders, and no extra claim will be entertained for under any circumstances.
04. The supplied items must be of good quality and as per the samples approved by the IRB Management before delivery.
05. The quantities of the work may vary at the time of execution of work/supply and some items may be increased or decreased or even excluded, and for such cases no additional claims will be entertained.
06. Delivery Time must be maintained as per the schedule strictly. No extension of time will be allowed.
07. The work may be done round the clock which under any circumstances no extra claim will be entertained.
08. No claim from the contractor shall be entertained if the work is not executed for any reason.
09. Claim for advance payment shall not be entertained.
10. The contractor shall have to arrange and bear the expenses of all kinds of tools and plants which may be necessary for this work.
11. No claim for enhancement of rate of any item of the schedule will be entertained due to fluctuation of market rate for labours and materials along with the period of execution of the works.
12. Verbal instructions whatsoever and from whomsoever will have no binding. All such instruction must be in writing from competent authority.
13. The Suppliers/Contractors or his/their representative will have to be available at the site/delivery points to receive instruction from the IRB's designated staffs in connection with the supply/work.
14. Completion of Works shall be as per the Contract Agreement.
15. The Contractor shall submit the first Plan & Schedule of Works by 2 (two) days after signing the Contract, and shall update the progress regular basis during the period of the Contract.
16. In case of fund constrain/inadequate fund/non-availability of fund the payment to be made to the Contractor for completed work in the working financial year may be delayed for which no claim of the contractor shall be accepted. It is therefore assume that the contractor/Agency has agreed to execute this work under this precondition.
17. VAT and other taxes at the rates fixed by the Govt. will be deducted from the bills of the contractor
18. Challan and relevant documents must be submitted along with final bill.
19. Govt. MUSHAK 6.3 must be submitted with the bill.
20. All quotation should be intact at the time of submission.
21. The authority of Islamic Relief reserves the right to accept or reject any or all of the quotations and right to stop supply at any stage of delivery without assigning any reason whatsoever

Tenderer's Signature, Date & Seal	
I/We hereby declare that the information and documents provided along with the bid submission are true and authentic.	
Signature	
Designation	
Date	



ISLAMIC RELIEF BANGLADESH
Humanitarian and Resilience Programme



Scope of Work: Supply of Pipeline Water Supply Network Materials of SUPEO Project (Nalitabari, Haluaghat). The rate will include VAT & TAX, Loading & Unloading, with Transportation cost.

Bill of Quantities (BoQ) of Pipeline Water Supply Network Materials



SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
Part A. Water Well Accessories						
1	uPVC Blind Pipe (Rising pipe/ Sand Trap Pipe)	RFT	180		25	-
	Supply of 2-inch (50 mm nominal diameter) uPVC pipe of D Grade (Water Class) , conforming to BSTI standards and manufactured by approved brands such as RFL, National Polymer (NPoly), AKIJ, or any other equivalent brand approved by the Engineer/IRB. The pipe shall be manufactured from 100% virgin unplasticized polyvinyl chloride (uPVC) raw materials and shall not contain any recycled or reprocessed materials, ensuring high strength, durability, and long-term performance. The pipe shall possess adequate physical, chemical, thermal, and fire-resistant properties suitable for water conveyance applications. The wall thickness shall be within 3.10 mm to 3.30 mm. The pipe surface shall be smooth, uniform, and free from cracks, blisters, voids, or any manufacturing defects. Each pipe shall be of standard commercial length (typically 6.0 meters unless otherwise specified) and shall comply with all relevant BSTI requirements. The pipe ends shall be suitable for solvent cement jointing. Supply includes uPVC pipe only, complete in all respects. The rate shall include supply, transportation, loading, unloading, stacking at site, and submission of manufacturer's test certificates, complete in all respects as directed by the Engineer.					
2	PVC Strainer	RFT	20		25	-
	Supply of uPVC filter (strainer) of 2" (50 mm) diameter, Class-D (Water Grade) , conforming to BSTI standards and manufactured by approved brands such as National Polymer (NPoly), RFL, AKIJ, or any other equivalent brand approved by the Engineer/IRB. The strainer shall be manufactured from 100% virgin unplasticized PVC materials and shall not contain any recycled or reprocessed materials, ensuring high strength, durability, and long-term performance. The pipe shall have a uniform wall thickness ranging from 3.10 mm to 3.70 mm and shall be provided with 8–10 precision machine-cut filter slots for effective groundwater filtration. The product shall be free from cracks, warping, air bubbles, or any manufacturing defects and shall be of standard gray colour, conforming to approved manufacturing standards. The standard length of each filter shall be 3.0 m. Supply includes uPVC filter (strainer) only, complete in all respects. shall be as per the instruction of the Engineer-in-Charge					



SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
3	uPVC Blind Pipe (4" dia) Casing pipe	RFT	150		25	-
	Supply of uPVC blind (casing) pipe of 4" diameter (Ø110 mm), Class-C , Water Class, manufactured as per BS-3505 standard, having standard length of 6.0 ± 0.05 m and uniform wall thickness within the range of 4.50 mm to 5.20 mm. The pipe shall be provided with both-end male and female plain socket joints and shall be manufactured by BSTI approved manufacturers such as National Polymer (NPoly), RFL, AKIJ, or any other approved equivalent brand subject to approval of Islamic Relief Bangladesh. The strainer shall be manufactured from 100% virgin unplasticized PVC materials and shall not contain any recycled or reprocessed materials, ensuring high strength, durability, and long-term performance. The pipe shall be free from cracks, deformation, or manufacturing defects. Supply includes uPVC casing pipe only, complete in all respects as directed by the Engineer-in-Charge.					
4	uPVC Reducer (2"x4")	nos	1		25	-
	Supplying and lowering of uPVC pipe reducer of 2" × 4" diameter, D Grade – Water Class, manufactured by BSTI approved brands such as NPoly, RFL, Akij, or any other Islamic Relief approved equivalent brand. complete in all respects as directed by the Engineer-in-Charge.					
5	uPVC pipe end Cap (Blind) 2" dia	nos	1		25	-
	Supplying and fixing uPVC Cap (Blind) 2" dia, Class D, Water Grade, conforming to BS-3505, as per direction of Engineer-in-Charge (BSTI approved manufacturer: RFL / Bashundhara / National Polymer / Madina/ Akij or any other equivalent brand approved by Islamic Relief Bangladesh).					
6	1 HP Submersible Pump	nos	1		25	-
	Supply of 3-inch dia submersible pump, 1 HP capacity, suitable for domestic/industrial/community water supply, manufactured by BSTI/ISO approved brands (Marquis/RFL/Gazi). The pump shall be of corrosion-resistant construction with stainless steel shaft, impeller, and housing, and suitable for operation on 220–240V, 50Hz AC power supply. The unit shall be capable of delivering the specified discharge and head as per design requirements and shall be supplied complete with standard manufacturer's accessories. The supplier shall submit the original manufacturer's warranty card, duly signed and stamped, valid from the date of delivery. complete in all respects as directed by the Engineer-in-Charge.					



SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
7	5mm Stainless Steel (SS) wire	rft	170		25	-
	Supplying and providing 5 mm Stainless Steel (SS) wire for lowering submersible motor in borehole, SS 304 / SS 316, 7×19 strands, flexible, corrosion-resistant, breaking load 1,600 kgf, SWL ~320 kg (FOS 5:1), minimum bend radius 6×dia including all labour, tools, transportation, PVC coating on SS wire rope for additional protection, wastage and incidental charges, complete as per approved design and direction of Engineer-in-Charge					
8	Bottom Flange Assembly (Base Plate)	Set	1		25	-
	Supply of bottom flange assembly comprising MS pipe of Ø 112 mm (4" NB), 3'-0" long and 4 mm thick, welded with Ø 170 mm MS top flange of 11–12 mm thickness, including 4 (four) nos. Ø 12 mm diameter MS rods, each 235 ±5 mm long, welded with the pipe. All MS components shall be hot-dip galvanized. The assembly shall include rubber (soft uPVC) cone grommet of 55–70 Shore hardness with gasket (Brand: RFL Falcon / Hatim / KRP or any other equivalent approved brand, approved by Islamic Relief, Bangladesh). The bottom flange shall be jointed with the top base plate using 4 (four) nos. Ø 12 mm stainless steel nut, bolt and washer sets with 1" dia pipe inlet hole and cable hole, complete in all respects and as per approved design and instructions of the Engineer-in-Charge.					
9	Submersible electric cable	Rft	120		25	-
	Supplying of flat submersible electric cable (110/76), 3-core copper conductor, PVC insulated and PVC sheathed, conductor size minimum 3 Core × 1.5 sq.mm, suitable for 1 HP submersible pump operation, voltage rating 250/440 V, including cable lugs, jointing and termination materials, skilled and unskilled labour, tools and tackles, transportation, handling, wastage, testing and all incidental charges, complete in all respects, as per approved design, specification and direction of the Engineer-in-Charge. Cable shall be from BSTI-approved manufacturer such as BRB / BBS or any other equivalent brand approved by Islamic Relief Bangladesh.					
Sub Totat: Part A. Water Well Accessories						-
Part B. Water Collection Platform						
1	3" uPVC Drainage Pipe	Rft	60		25	-
	Supply of SWR Grade drainage pipe of 3-inch diameter uPVC pipe, having a minimum wall thickness ranging from 3.00 mm to 3.30 mm. The pipe shall be manufactured from high-quality uPVC material and shall conform to relevant SWR standards, ensuring strength, durability, and smooth internal surface for efficient drainage flow. Approved brands include RFL, Bashundhara, National Polymer, Akij, or any other equivalent brand approved by Islamic Relief Bangladesh. The pipe shall be free from cracks, blisters, deformities, or any manufacturing defects and shall be suitable for drainage applications. complete in all respects as per the instructions of the Engineer-in-Charge.					

SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
2	3" Dia uPVC Elbow	Nos	6		25	-
	Supply of 3" diameter 90° uPVC elbow for drainage pipe (SWR grade), suitable for 3-inch uPVC pipe, with standard wall thickness, manufactured by approved brands such as National Polymer/Bengal/ RFL/Akij or any other brand approved by Islamic Relief Bangladesh.					
3	3" SS Grating Net	Nos	6		25	-
	Supply of 3" stainless steel (SS) floor net, suitable for drainage outlets, corrosion-resistant and durable: brand: RFL/Akij/China/or any equivalent brand approved by Islamic Relief Bangladesh. 					
4	1/2" Brass Ball Bibcock	Nos	6		25	-
	Supply of brass ball bibcock of approved quality, manufactured from high-grade forged brass conforming to BSTI/ISO standards. The bibcock shall have a quarter-turn ball valve mechanism with PTFE seals to ensure leak-proof operation and long service life. It shall be of standard size with BSP threaded connection, suitable for normal water supply pressure, and finished in chrome-plated or polished brass. The item shall be from SWL/ HMBR brand or equivalent approved make complete in all respects as per the instructions of the Engineer-in-Charge. 					
Sub Tolat: Part B. Water Collection Platform						-



SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
Part C. Plumbing & Feetings						
1	Water Tank	Nos	1		25	-
	Supply of 3000-liter vertical cylindrical water storage tank of RFL, GAZI or approved equivalent brand, manufactured from 100% virgin food-grade polyethylene (HDPE/LLDPE) using seamless rotational molding process. The tank shall be of 3-layer construction, consisting of UV-stabilized outer layer, thermal insulating middle layer for heat reduction, and smooth food-grade inner layer suitable for safe potable water storage and prevention of algae and bacterial growth. The tank shall be suitable for outdoor installation with high UV resistance, weather durability, and a minimum service life of 10–15 years under normal operating conditions. The tank shall be provided with standard lid and molded inlet, outlet, and overflow connection points suitable for plumbing fittings. The outer surface colour of the tank shall be IRB branded colour as specified by the purchaser. The tank shall also include custom marking of “Islamic Relief Bangladesh” logo and “NOT FOR SALE”, applied through durable screen printing or embossed marking as per instruction. No manufacturer branding shall be visible on the external surface except any internal production identification if required. The item shall be supplied complete, free from defects, and fully ready for installation at site.complete in all respects as per the instructions of the Engineer-in-Charge.					
2	3" uPVC thread Pipe	Rft	35		25	-
	A 3-inch uPVC threaded pipe shall be manufactured from high-quality PVC-U material and conform to standards such as ASTM D1785, ASTM D2241, or equivalent. The pipe shall have an approximate outside diameter of 88.9 mm, with wall thickness as per the specified schedule or SDR rating. Both ends shall be threaded in BSP or NPT standard for secure jointing using PTFE tape or suitable sealant. Due to threading, the pressure rating shall be considered at approximately 50% of the nominal pipe rating. The pipe shall be suitable for water supply, irrigation, and light chemical applications, with an operating temperature range of 0°C to 60°C. It shall be corrosion-resistant, non-toxic, and supplied in standard lengths of 3 m, free from defects, and properly tested and marked. Approved manufacturers shall include RFL, Gazi, and Akij or equivalent.complete in all respects as per the instructions of the Engineer-in-Charge.					



SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
3	63mm-PN 6 HDPE Pipe	Rft	180		25	-
	Supply of 63 mm diameter High-Density Polyethylene (HDPE) pipe conforming to ISO 4427 or equivalent international standards, suitable for potable water supply and irrigation purposes. The pipe shall be manufactured from 100% virgin HDPE material, ensuring strength, durability, and long service life, and shall have a wall thickness ranging from 2.50 mm to 2.90 mm, designed for a PN-6 (6 bar) pressure rating at 20°C. The pipe shall be flexible, UV-stabilized, and corrosion-resistant, suitable for installation under varying environmental conditions, and shall be supplied in 100-meter coil lengths (cutting allowed as per requirement). The material shall comply with the following properties: tensile strength minimum 20 N/mm ² as per ASTM F2160/BS 2782, density 0.940 to 0.958 g/cm ³ as per ASTM D1505, elongation at break minimum 350% as per ASTM F2160/BS 2782, reversion maximum 3% as per ISO 2505, and oxidation induction time (OIT) minimum 30 minutes. The pipe shall be free from defects such as cracks, holes, or blisters and shall meet hydrostatic pressure and dimensional accuracy requirements as per relevant standards. Each pipe shall be clearly marked with manufacturer's name or trademark, size (63 mm), pressure rating (PN-6), applicable standard, and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.					
4	25 mm-PN 12.5 HDPE Pipe	Rft	450		25	-
	Supply of 25 mm diameter High-Density Polyethylene (HDPE) pipe conforming to ISO 4427 or equivalent international standards, suitable for potable water supply and irrigation purposes. The pipe shall be manufactured from 100% virgin HDPE material, ensuring strength, durability, and long service life, and shall have a wall thickness ranging from 2.00 mm to 2.30 mm, designed for a PN-12.5 (12.5 bar) pressure rating at 20°C. The pipe shall be flexible, UV-stabilized, and corrosion-resistant, suitable for installation under varying environmental conditions, and shall be supplied in coil lengths (100-meter coil lengths cutting allowed as per requirement). The material shall comply with the following properties: tensile strength minimum 20 N/mm ² as per ASTM F2160/BS 2782, density 0.940 to 0.958 g/cm ³ as per ASTM D1505, elongation at break minimum 350% as per ASTM F2160/BS 2782, reversion maximum 3% as per ISO 2505, and oxidation induction time (OIT) minimum 30 minutes. The pipe shall be free from defects such as cracks, holes, or blisters and shall meet hydrostatic pressure and dimensional accuracy requirements as per relevant standards. Each pipe shall be clearly marked with manufacturer's name or trademark, size (25 mm), pressure rating (PN-12.5), applicable standard, and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.					




SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
5	20mm Dia HDPE Pipe	Rft	1,190		25	-
	Supply of 20mm diameter High-Density Polyethylene (HDPE) pipe conforming to ISO 4427 or equivalent international standards, suitable for potable water supply and irrigation purposes. The pipe shall be manufactured from 100% virgin HDPE material, ensuring strength, durability, and long service life, and shall have a wall thickness ranging from 2.00 mm to 2.30 mm. The pipe shall be flexible, UV-stabilized, and corrosion-resistant, suitable for installation under varying environmental conditions, and shall be supplied in 500 feet coil lengths. The material shall comply with the following properties: tensile strength minimum 20 N/mm ² as per ASTM F2160/BS 2782, density 0.940 to 0.958 g/cm ³ as per ASTM D1505, elongation at break minimum 350% as per ASTM F2160/BS 2782, reversion maximum 3% as per ISO 2505, and oxidation induction time (OIT) minimum 30 minutes. The pipe shall be free from defects such as cracks, holes, or blisters and shall meet hydrostatic pressure and dimensional accuracy requirements as per relevant standards. Each pipe shall be clearly marked with manufacturer's name or trademark, size (3/4 inch), applicable standard, and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.					
6	16mm Dia HDPE Pipe	Rft	15		25	-
	Supply of 16 mm diameter High-Density Polyethylene (HDPE) pipe conforming to ISO 4427 or equivalent international standards, suitable for potable water supply and irrigation purposes. The pipe shall be manufactured from 100% virgin HDPE material, ensuring strength, durability, and long service life, and shall have a wall thickness ranging from 2.00 mm to 2.30 mm. The pipe shall be flexible, UV-stabilized, and corrosion-resistant, suitable for installation under varying environmental conditions, and shall be supplied in 500 feet coil lengths. The material shall comply with the following properties: tensile strength minimum 20 N/mm ² as per ASTM F2160/BS 2782, density 0.940 to 0.958 g/cm ³ as per ASTM D1505, elongation at break minimum 350% as per ASTM F2160/BS 2782, reversion maximum 3% as per ISO 2505, and oxidation induction time (OIT) minimum 30 minutes. The pipe shall be free from defects such as cracks, holes, or blisters and shall meet hydrostatic pressure and dimensional accuracy requirements as per relevant standards. Each pipe shall be clearly marked with manufacturer's name or trademark, size (3/4 inch), applicable standard, and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
7	uPVC 1" Thread pipe	rft	240		25	-
	Supplying and lowering of 1" diameter, 10 ft long uPVC threaded pipe suitable for household, industrial, and office waterlines. The pipe is made of virgin raw material, ensuring durability, rigidity, and corrosion resistance. It features auto thread cutting, is UV ray protected, and is designed to fit perfectly with both threaded uPVC and GI fittings. The pipe shall be of green colour, uniform in quality, and free from cracks, blisters, warping, or any manufacturing defects. Installation shall be carried out as per design, manufacturer recommendations, and the instruction of the Engineer-in-Charge					
8	uPVC 1" Thread Socket	Pcs	24		25	-
	Supplying and installation of 1" diameter uPVC socket, D Grade – Water Class, manufactured by BSTI approved brands such as NPoly, Bengal, RFL, Aziz, or any other Islamic Relief approved equivalent brand. The socket shall be made of virgin uPVC material, ensuring durability, corrosion resistance, and smooth internal surface, free from cracks, blisters, warping, or any manufacturing defects.					
9	uPVC 1" Thread Elbow	Pcs	6		25	-
	Supplying and installation of 1" diameter uPVC elbow, D Grade – Water Class, manufactured by BSTI approved brands such as NPoly, Bengal, RFL, Aziz, or any other Islamic Relief approved equivalent brand. The elbow shall be made of virgin uPVC material, ensuring durability, corrosion resistance, and smooth internal surface, free from cracks, blisters, warping, or any manufacturing defects. The elbow is designed to connect 1" uPVC pipes at standard angles (90° or 45°) and shall be joined using solvent cement (adhesive glue) for a leak-proof connection. Installation shall be carried out as per manufacturer's guidelines and the instruction of the Engineer-in-Charge					
10	HDPE compression Female Union ball Valve 25mm X 20 mm	Pcs	6		25	-
	Supply of HDPE Compression Female Union Ball Valve, size 25 mm × 20mm conforming to ISO 17885 or equivalent standards, suitable for potable water and irrigation systems. The valve shall be made of high-quality UV-stabilized PP/HDPE material, with EPDM/NBR sealing, and designed for minimum PN-16 pressure rating at 20°C. It shall be compression type with female threaded union (3/4" BSP), ensuring easy installation and leak-proof operation. The valve shall be durable, corrosion-resistant, and free from defects. Each unit shall be properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or equivalent approved brand as per Engineer-in-Charge.					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
11	HDPE compression Tee 20mm × 20mm× 20mm	Pcs	6		25	-
	<p>Supply of HDPE Compression Tee of size 20mm × 20mm× 20mm, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring strength, durability, and resistance to corrosion and chemicals. It shall be of compression type, enabling easy installation and leak-proof performance without the need for special tools. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include appropriate sealing components (EPDM/NBR O-rings). The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
12	HDPE Compression Elbow 20mm × 20mm	Pcs	12		25	-
	<p>Supply of HDPE Compression Elbow of size 20 mm × 20 mm, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include EPDM/NBR sealing components for reliable water-tight joints. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge</p> 					
13	HDPE Compression Reducer 20 mm × 16 mm	Pcs	12		25	-
	<p>Supply of HDPE Compression Reducer of size 20mm × 16mm, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall incorporate EPDM/NBR sealing elements for reliable water-tight joints. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
14	HDPE Compression Coupler 20mm × 20mm	Pcs	12		25	-
	<p>Supply of HDPE Compression Coupler of size 3/4 inch × 3/4 inch, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The coupler shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof jointing performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include EPDM/NBR sealing components to ensure reliable water-tight connections. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					
15	HDPE Compression Tee 25 mm × 25 mm × 25 mm	Pcs	3		25	-
	<p>Supply of HDPE Compression Tee of size 25mm × 25mm × 25mm, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring strength, durability, and resistance to corrosion and chemicals. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall incorporate EPDM/NBR sealing components for reliable water-tight joints. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Eng</p> 					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
16	HDPE Compression Reducer 25 mm × 20mm	Pcs	6		25	-
	<p>Supply of HDPE Compression Reducer of size 25mm × 20mm, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include EPDM/NBR sealing components for reliable water-tight joints. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					
17	HDPE Compression Coupler 25mm × 25 mm	Pcs	6		25	-
	<p>Supply of HDPE Compression Coupler of size 25mm × 25mm, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The coupler shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include EPDM/NBR sealing components for reliable water-tight joints. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					




SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
18	HDPE Compression Tee 63mm × 63mm ×63mm	Pcs	2		25	-
	<p>Supply of HDPE Compression Tee of size 63mm × 63mm ×63mm, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall incorporate EPDM/NBR sealing components for reliable water-tight joints. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					
19	HDPE Compression Male Adaptor 2 inch thread × 63 mm HDPE	Pcs	2		25	-
	<p>Supply of HDPE Compression Male Adaptor of size 2 inch threaded × 63 mm HDPE, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type with a male threaded (2 inch BSP) end and HDPE compression end (63 mm), allowing easy installation and leak-proof performance under operating conditions without special tools. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include EPDM/NBR sealing components to ensure reliable water-tight connections. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					




SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
20	HDPE Compression Coupler 63mm × 63mm	Pcs	2		25	-
	<p>Supply of HDPE Compression Coupler of size 63mm × 63mm , conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The coupler shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include EPDM/NBR sealing components for reliable water-tight joints. The product shall be free from defects and properly marked with manufacturer’s name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					
21	HDPE Compression Reducer 63 mm × 25 mm	Pcs	2		25	-
	<p>Supply of HDPE Compression Reducer of size 63 mm × 25 mm, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type, allowing easy installation without special tools and ensuring leak-proof performance under operating conditions. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include EPDM/NBR sealing components for reliable water-tight joints. The product shall be free from defects and properly marked with manufacturer’s name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
22	uPVC Thread Tee 3 inch × 3 inch × 3 inch	Pcs	2		25	-
	<p>Supply of uPVC Thread Tee of size 3 inch × 3 inch × 3 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The fitting shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of threaded type, allowing easy installation, tight sealing, and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
23	uPVC Thread Reducer Socket 3 inch × 2 inch	Pcs	2		25	-
	<p>Supply of uPVC Thread Reducer of size 3 inch × 2 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The fitting shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of threaded type, allowing easy installation, tight sealing, and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
24	uPVC Thread Reducer Socket 2 inch × 1 inch	Pcs	2		25	-
	<p>Supply of uPVC Thread Reducer of size 2 inch × 1 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The fitting shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of threaded type, allowing easy installation, tight sealing, and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					
25	uPVC Thread Reducer Socket 1 inch × 3/4 inch	Pcs	2		25	-
	<p>Supply of uPVC Thread Reducer of size 1 inch × 3/4 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The fitting shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of threaded type, allowing easy installation, tight sealing, and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
26	HDPE Compression Male Adaptor 3/4 inch thread × 20mm HDPE	Pcs	2		25	-
	<p>Supply of HDPE Compression Male Adaptor of size 3/4 inch threaded × 20mm HDPE, conforming to ISO 17885 or equivalent standards, suitable for potable water supply and irrigation systems. The fitting shall be manufactured from high-quality UV-stabilized polypropylene (PP) or HDPE material, ensuring durability, corrosion resistance, and long service life. It shall be of compression type with a male threaded (3/4 inch BSP) end and HDPE compression end (3/4 inch), allowing easy installation and leak-proof performance under operating conditions without special tools. The fitting shall be suitable for a minimum PN-16 pressure rating at 20°C and shall include EPDM/NBR sealing components to ensure reliable water-tight connections. The product shall be free from defects and properly marked with manufacturer's name, size, pressure rating, and batch identification. Approved manufacturers: RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					
27	uPVC Thread Elbow 3 inch × 3 inch	Pcs	2		25	-
	<p>Supply of uPVC Thread Elbow of size 3 inch × 3 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The fitting shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of threaded type, allowing easy installation, tight sealing, and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					




SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
28	uPVC Thread tank Fitting Adaptor 3 inch	Pcs	1		25	-
	<p>Supply of uPVC Thread Tank Fitting Adapter of size 3 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water storage tank connection and distribution systems. The fitting shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be designed for threaded tank installation, ensuring tight sealing and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-C</p> 					
29	uPVC Thread Socket 3 inch	Pcs	3		25	-
	<p>Supply of uPVC Thread Socket of size 3 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The socket shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of threaded type, designed for easy installation, tight fitting, and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					



SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
30	uPVC Thread Ball Valve 3 inch	Pcs	1		25	-
	<p>Supply of uPVC Thread Ball Valve of size 3 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The valve shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of full bore type with smooth quarter-turn operation, ensuring efficient flow control and leak-proof shut-off performance under operating conditions. The valve shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. All sealing components (O-rings) shall be made of EPDM/NBR or equivalent material suitable for potable water use. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					
31	uPVC Thread Union 3 inch	Pcs	1		25	-
	<p>Supply of uPVC Thread Union of size 3 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The union shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of threaded type, designed to facilitate easy installation, dismantling, and maintenance while ensuring tight sealing and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.</p> 					
32	uPVC Thread tank Fitting Adaptor 1 inch	Pcs	3		25	-





SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
	<p>Supply of uPVC Thread Tank Fitting Adapter of size 1 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water storage tank connection and distribution systems. The fitting shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be designed for threaded tank installation, ensuring tight sealing and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charg</p> 					



SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
33	Solvent Cement	nos	1		25	-
	Solvent Cement 500 ml high-strength adhesive specifically designed for joining and bonding PVC pipes and fittings. It is commonly used in plumbing, irrigation, drainage, and industrial piping systems. This fast-drying, waterproof cement creates a strong, leak-proof bond by chemically softening the PVC surfaces and fusing them together.					
34	Thread Seal Tape	nos	10		25	-
	Supplying and application of PTFE thread seal tape (commonly known as Teflon tape) suitable for sealing threaded uPVC, GI, or metal pipe connections. The tape shall be made of high-quality, virgin PTFE material, ensuring chemical resistance, temperature stability, and corrosion protection. It shall be flexible, tear-resistant, and capable of creating a leak-proof seal on threaded joints. The tape shall be applied according to manufacturer instructions, wrapped around male threads in the direction of threading, ensuring tight and durable connections. The work shall be carried out as per the instruction of the Engineer-in-Charge					
35	uPVC Thread Ball Valve 1 inch	Pcs	6		25	-
	Supply of uPVC Thread Ball Valve of size 1 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The valve shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of full bore type with smooth quarter-turn operation, ensuring efficient flow control and leak-proof shut-off performance under operating conditions. The valve shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. All sealing components (O-rings) shall be made of EPDM/NBR or equivalent material suitable for potable water use. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge.					



SL	Item Descriptions	Unit	QTY per PWSN	Unit Rate	#PWSN	Total Amount
		(A)	(B)	(C)	(D)	E=AxBxCXD
36	uPVC Thread Socket 3/4 inch	Pcs	2		25	-
	Supply of uPVC Thread Socket of size 3/4 inch, conforming to relevant BS/ASTM/ISO standards or equivalent, suitable for water supply and distribution systems. The socket shall be manufactured from high-quality unplasticized polyvinyl chloride (uPVC) material, ensuring high strength, durability, and corrosion resistance. It shall be of threaded type, designed for easy installation, tight fitting, and leak-proof performance under operating conditions. The fitting shall be suitable for pressure-rated water supply applications and shall be free from defects such as cracks, voids, or deformities. Each item shall be properly marked with manufacturer's name or trademark, size, pressure rating (if applicable), and batch identification. Approved manufacturers shall include RFL, Gazi, Akij, or any other equivalent brand approved by the Engineer-in-Charge. 					
37	HDPE 16 mm to 1/2" Female elbow for bibcock joint.	Pcs	12		25	-
	The HDPE compression elbow shall be a 90° fitting for connecting 16 mm OD HDPE pipe to a 1/2 inch female threaded outlet for bibcock installation. It shall be manufactured from UV-stabilized polypropylene (PP) or equivalent material, complete with EPDM/NBR O-ring to ensure a leak-proof joint. The threaded portion shall be 1/2" BSP (BSPT/BSPP), preferably with a reinforced or brass insert. The fitting shall conform to relevant international standards and be suitable for potable water applications. It shall have a pressure rating of PN10–PN16 (10–16 bar at 20°C) and be suitable for operating temperatures up to 45°C. Installation shall be by compression type, requiring no welding, with PTFE tape used on the threaded connection. All materials, dimensions, and performance requirements shall be as approved by the Engineer-in-Charge (EIC). 					
Sub Totat: Part C. Plumbing & Feetings						-

Sub Totat: Part A. Water Well Accessories	-
Sub Totat: Part B. Water Collection Platform	-
Sub Totat: Part C. Plumbing & Feetings	-
Grand Total	-

Inword:

Delivery Location: IRB Warehouse Level (1. Nalitabari Upazila under Sherpur District- 13 Units, and 2. Haluyaghat Upazila Under Mymensingh District- 12 Units).
IRB Representative / Receiver: Riajul Islam 01329693305 for Nalitabari and Abul Khair 0177761287 for Haluyaghat.

Supplier signature with seal

