

WORLD VISION INTERNATIONAL
DAWAM WASH Project
BoQ for Gravity Feed Water Supply Project Rehabilitation

Village/CDC: Farhad

District: Shirin Tagab

Province: Faryab

S/N	Activity/Item/Description	Unit	Quantity	Unit Cost AFN	Total Cost AFN	Remarks
A	BoQ for Public Stand Post./ Total # of Stand post 20					
A1	Site Preparation: Including preparation, trimming and site cleaning before and after construction according to technical requirements.	M ²	13			
A2	Existing Damaged Stand post demolition: Demolition of existing stand taps with all required activities.	Activity	4			
A3	Excavation Work: Excavation of Each stand post foundation according to Designed drawing and Site conditions.	M ³	1.71			
A4	Stone bolder Pitching: Supply and pitching of stone in foundation and surrounding area of stand post.	M ³	1.1			
A5	R.C.C (Plain Cement Concrete) M(1:1.5:3) Includes varnished steel form working, bar bending and other requirements according to drawing and technical specification.	M ³	1.9			
A6	P.C.C (Plain Cement Concrete) M(1:2:4) The construction materials should be according to attached Specification.	M ³	1.0			
A7	Plumbing works: (Ø1/2" GI Pipe with Elbow, Socket, Nipple and etc.) according to Drawing and specification	Stand Tap	4			
A8	Water Taps: Supply and installation of Brass taps in new constructed and existing public stand taps with all required activities and accessories according to engineering consideration and technical requirements, best quality according to technical requirements.	No	20			
A9	Repairing Existing Stand Post: Removing defecation from services pipe to outlet and installation of Taps.	No	12			
A10	Back Filling & Earth work: Back Filling , Cleaning, Drain out, Site preparation and soak pit according to site requirement.	M ³	3			
Sub Total Cost of Stand Posts						
B	BoQ for Pipe networks					
B1	Excavation of Trench: Excavation of trench (defferent groud type) According attached Drawing and Specification.	M ³	984.6			

B2	Back Filling with Soft Soil: Back Filling of trench with proper compaction, curring and caution,	M ³	246.2			
B3	Back Filling of Trench with Excavated Materilas: Back Filling of trench with proper compaction, curring and caution according to attached drawing.	M ³	738.5			
B4	HDPE/Pipe/PN10/Dia=40mm (SDR17)- (W.T-2.4mm)- Weigth(0.295Kg/m), Comply ISO4427, DIN8074, ASTM D2239, ASTM D2737, ASTM D3035, ASTM D2515 All relevant marks should be attached in pipe (Bar, mesurment length, Standards).	M	20			
B5	HDPE/Pipe/PN10/Dia=50mm (SDR17)- (W.T-3mm)- Weigth(0.453Kg/m)ISO4427, DIN8074, ASTM D2239, ASTM D2737, ASTM D3035, ASTM D2515 All relevant marks should be attached in pipe (Bar, mesurment length, Standards).	M	25			
B6	HDPE/Pipe/PN10/Dia=63mm (SDR17)- (W.T-3.8mm)- Weigth(0.721Kg/m)ISO4427, DIN8074, ASTM D2239, ASTM D2737, ASTM D3035, ASTM D2516 All relevant marks should be attached in pipe (Bar, measurement length, Standards).	M	22			
B7	HDPE/Pipe/PN10/Dia=75mm (SDR17)- (W.T-4.5mm)- Weigth(1.02Kg/m)ISO4427, , Comply ISO4427, DIN8074, ASTM D2239, ASTM D2737, ASTM D3035, ASTM D2515 All relevant marks should be attached in pipe (Bar, mesurment length, Standards).	M	3010			
B8	PE Fittings 16 Bars: (Flanged adapter, GI-Flanged Valve in pipe network, Sockets, Elbows, TEEs, Saddle Clamps, Reducers, M/F Adapter and etc.) with Supplying and installation according to drawing and its specifications.	L.s	1			
B9	Pipe Works (Plumbing): Supply, Installation, Laying and fitting of HDPE+GI pipes according to attached Drawing and its specification.	L.s	1			
Sub Total cost of Pipe network						
Selection of pipe alignment should be with close consultation of World Vision Afghanistan Technical engineer and attached drawing. The HDPE pipe should be tested in labartory according to MRRD requirment and the report should be submitted and varified by technical enigneer.						
C	BoQ for Reservior Rehabilitation					
C1	Water Taps: Supply and installation of 3/4" brass taps in existing reservior with all required activities and accessories according to engineering considertion and technical requirements, best quality according to technical requirements.	No	11			
C2	Reservior Insulation: Supply and installation of Isogam according to Engineering technical requirement and specification on reservior wall.	M ²	50			
Sub Total cost of Reservior Rehabilitation						

D BoQ for Gate Valve Box Rehabilitation						
D1	Gate Valve Box Clean Up: Cleaning of Gate Valve Box from all unnecessary materials (clay, stone, debris ...) according to the site conditions.	Activity	2			
D2	Flanged Gate Valve : Supply and installation of Flanged Gate Valve \varnothing 2 1/2" (PN-10) with Nut Bolt and Washers and other accessories. And with relevant composite fitting to be connected with network main pipe(OD 75) mm HDPE pipes, according to attached drawing.	No	1			
D3	Flanged Gate Valve : Supply and installation of Flanged Gate Valve \varnothing 1 1/2" (PN-10) with Nut Bolt and Washers and other accessories. And with relevant composite fitting to be connected with network main pipe(OD 50) mm HDPE pipes, according to attached drawing	No	1			
D4	Sign Board: Supply and installation of metallic sign board.	No	1			
Sub Total Cost of Gate Valve Box						
Gate Valve Box construction/ installation should be according to attached drawing, Technical specification and Engineer recommendations, all concrete elements and other construction process should be properly cured, the construction materials (Sand, Gravel, Crushed Gravel, Portland Cement, Steel Bars and Pipe should be best quality and according to attached Specification).						
Grand Total for All BoQ (A+B+C+D)						

Prepared By: Ansar Kazimi

Designation : WASH Engineer

Signature:



box SIGN 18L933W6-4W29LWP8

Date:

Aug 19, 2024

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Date:

Aug 20, 2024

Technical Check By: Yama Hewadmal

Designation : WASH Technical Coordinator

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Date:

Aug 20, 2024