

WORLD VISION INTERNATIONAL
DAWAM WASH Project
BoQ for Qazi Bay Qala Health Center Rehabilitation Project

Health Center Name: Qazi Bay Qala CHC

District: Dawlat Abad

Province: Faryab

S/N	Activity/Item/Description	Unit	Quantity	Unit Cost AFN	Total Cost AFN	Remarks
A	BoQ for Bore Well Protection Box					
A1	Excavation Work: Excavation works in all kinds of soil including existing PCC.	M3	2.7			
A2	Gravel for Soling: Providing and filling gravel th=5cm.	M3	0.2			
A3	PCC M: 1:2:4: Providing and laying 10 cm. thick plain cement concrete 1:2:4 (M15) with neat cement finish including necessary formworks and curing all complete	M3	0.2			
A4	Burnt Brick Work: Providing and laying first-class burnt brickwork in 1:4 cement mortar in perfect line & level and curing all complete.	M3	1.3			
A5	Plaster Work: 12.5mm. or more thick Water Proof Cement (WPC) plaster in 1:2 cement mortar with a smooth finish in line & level including raking the joints, wetting the surface, and curing all complete.	M2	4.0			
A6	RCC Work: Providing and laying reinforced cement concrete 1:1.5:3 (M20) in Slab curing all complete including the cost of the form works and the reinforcement.	M3	0.2			
A7	Plumbing Works: Provision and installation of HDPE, PN-10, dia- 40mm, L=20m, control valve with all required fittings complete work.	Lum Sum	1.0			
Sub Total cost of Bore Well Protection Box					0	
B	BoQ for Soak Pit Construction					
B1	Excavation Work Soak Pit+Sewer Tranch: Excavation works in all kinds of soil including existing PCC.	M3	15.9			
B2	PVC Pipe: Providing and installation of PVC pipe dia-2", C-class with all required fittings, complete work	M	32.0			
B3	PCC M: 1:2:4: Providing and laying 10 cm. thick plain cement concrete 1:2:4 (M15) with neat cement finish including necessary formworks and curing all complete	M3	1.9			
B4	Backfilling Work: Backfilling work with proper compaction.	M3	13.4			
B5	RCC Work: Providing and laying reinforced cement concrete 1:1.5:3 (M20) in Slab curing all complete including the cost of the form works and the	M3	0.2			
Sub Total Cost of Soak Pit Construction						-

C	BoQ for Manhole					
C1	Excavation Work: Excavation works in all kinds of soil including existing PCC.	M3	2.5			
C2	Gravel for Soling: Providing and filling gravel th=5cm.	M3	0.2			
C3	PCC M: 1:2:4: Providing and laying 10 cm. thick plain cement concrete 1:2:4 (M15) with neat cement finish including necessary formworks and curing all complete	M3	0.2			
C4	Burnt Brick Work: Providing and laying first-class burnt brickwork in 1:4 cement mortar in perfect line & level and curing all complete.	M3	1.3			
C5	Plaster Work: 12.5mm. or more thick Water Proof Cement (WPC) plaster in 1:2 cement mortar with a smooth finish in line & level including raking the joints, wetting the surface, and curing all complete.	M2	4.0			
C6	RCC Work: Providing and laying reinforced cement concrete 1:1.5:3 (M20) in Slab curing all complete including the cost of the form works and the reinforcement.	M3	0.2			
Sub Total Cost of Manhole						-
D	Existing BNFs Latrine Rehabilitation					
D1	Demolition of Existing Ceramic and Tile: Demolition of existing ceramic and tiles.	M2	32.3			
D2	Eastern Toilet: Providing and installation of Eastern toilet (Farshi) plus all fittings and accessories, complete work.	No	2.0			
D3	Flush Tank: Providing and installation of Flush Tank plus all fittings and accessories, complete work.	No	4.0			
D4	Paper Holder: Providing and installation of paper holder.	No	6.0			
D5	Muslim Shower: Providing and installation of muslim shower with all fittings and accessories, complete work.	No	6.0			
D6	Existing wash basin Repairing: Supply and installation of wash basin approved mixer(tap) plus all required fittings and accessories.	No	2.0			
D7	Existing wash basin Rehabilitation: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	Pair	2.0			
D8	Plumbing Works: Provision and installation of PVC pipe C-class (for black water 4", grey water2"), and PPR pipe, dia-25mm, PN-10, with all required fittings complete work.	Lum Sum	1.0			
D9	Ceramic and Tile Work: Providing and laying approved color ceramic glazed tile on wall & floor with 1:4 cement mortar base in a perfect line and level all complete.	M2	32.3			
D10	Painting Work: Two or more coats of approved color waterproof plastic paint with plaster of Paris (gypsum) giving uniform color on inner, outer walls, and ceiling.	M2	22.1			
Sub Total cost of Existing BNFs Latrine Rehabilitation						-
E	Existing Conference Room Toilet Rehabilitation					
E1	Eastern Toilet: Providing and installation of Eastern toilet (Farshi) plus all fittings and accessories, complete work.	No	1.00			
E2	Flush Tank: Providing and installation of Flush Tank plus all fittings and accessories, complete work.	No	2.00			
E3	Paper Holder: Providing and installation of paper holder.	No	2.00			

E4	Muslim Shower: Providing and installation of muslim shower with all fittings and accessories, complete work.	No	2.00			
E5	Existing wash basin Repairing: Supply and installation of wash basin approved mixer(tap) plus all required fittings and accessories.	No	2.00			
E6	Existing wash basin Rehabilitation: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	Pair	2.00			
E7	Demolition of Existing Ceramic and Tile: Demolition of existing ceramics and tiles.	M2	19.20			
E8	Ceramic and Tile Work: Providing and laying approved color ceramic glazed tile on wall & floor with 1:4 cement mortar base in a perfect line and level all complete.	M2	19.20			
E9	Painting Work: Two or more coats of approved color waterproof plastic paint with plaster of Paris (gypsum) giving uniform color on inner, outer walls, and ceiling.	M2	15.20			
E10	Boiler Installation: Supply and installation of Boiler, capacity 50 litres, 0.8MPa, 50/60Hz, plus all required electrical and plumbing works, with connection to the water system, complete work.	No	1.00			
E11	Supply and Installation of Water Filter: Supply & installation of water filter equiped with RO system & membrane filter, purification capacity 30 litre per hour, with connection to the water and power supply system, waste water proper drainage plus providing steel made reservior capacity 80 litres with tap 1/2" and	JOB	1			
E12	Plumbing Works: Provision and installation of PVC pipe C-class (for black water 4", grey water 2"). and PPR pipe. dia-25mm. PN-10. with all required fittings	Lum Sum	1.0			
Sub Total cost of Conference Room Toilet Rehabilitation						-
F	Existing Delivery Unit Toilet Rehabilitation					
F1	Existing wash basin Repairing: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	Pair	2.00			
F2	Existing wash basin Repairing: Supply and installation of wash basin approved mixer(tap) plus all required fittings and accessories.	NO	2.00			
F3	Flush Tank: Providing and installation of Flush Tank plus all fittings and accessories, complete work.	No	2.00			
F4	Paper Holder: Providing and installation of paper holder.	No	2.00			
F5	Muslim Shower: Providing and installation of muslim shower with all fittings and accessories, complete work.	No	2.00			
Sub Total cost of Delivery Unit Toilet Rehabilitation						0
G	Existing Training Room Rehabilitation					
G1	Existing wash basin Repairing: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	Pair	2.00			
G2	Existing wash basin Repairing: Supply and installation of wash basin approved mixer(tap) plus all required fittings and accessories.	No	2.00			
G3	Supply and installation of Mirror: Supply and installation of Mirror size 40x 60 cm.	No	2.00			
Sub Total cost of Training Room Rehabilitation						-

H	Existing Male OPD and Vaccination Room Rehabilitation					
H1	Existing wash basin Repairing: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	Pair	2.00			
H2	Existing wash basin Repairing: Supply and installation of wash basin approved mixer(tap) plus all required fittings and accessories.	No	2.00			
H3	Supply and installation of Mirror: Supply and installation of Mirror size 40x 60 cm.	No	2.00			
Sub Total cost of Male OPD and Vaccination Room Rehabilitation						-
I	Existing MCH Room Rehabilitation					
I1	Existing wash basin Repairing: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	Pair	2.00			
I2	Existing wash basin Repairing: Supply and installation of wash basin approved mixer(tap) plus all required fittings and accessories.	No	2.00			
I3	Demolition of Existing Ceramic: Demolition of existing ceramic and PCC.	M2	24.00			
I4	PVC Pipe: Supply and installation of PVC pipe C-Class, dia=2 1/2", plus all required fittings and accessories, complete work.	M	30.00			
I5	Ceramic Work: Providing and laying approved color ceramic glazed tile on floor with 1:4 cement mortar base in a perfect line and level all complete.	M2	24.00			
I6	PCC Work: PCC work M: 1:2:4, including form working and all technical requirements and engineering considerations.	M3	0.40			
Sub Total cost of MCH Room Rehabilitation						-
J	Existing Delivery Room Rehabilitation					
J1	Existing wash basin Repairing: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	Pair	1.0			
J2	Existing wash basin Repairing: Supply and installation of wash basin approved mixer(tap) plus all required fittings and accessories.	No	2.0			
J3	Demolition of Existing Ceramic: Demolition of existing ceramic and PCC for grey water pipe blockage solution (W=0.5cm, D=0.5m, L=12m).	M2	12.8			
J4	Floor Drain: Supply and installation of floor drain according to technical requirements.	No	1.0			
J5	PVC Pipe: Supply and installation of PVC pipe C-Class, dia=2 1/2", plus all required fittings and accessories, complete work.	M	20.0			
J6	Ceramic Work: Providing and laying approved color ceramic glazed tile on floor with 1:4 cement mortar base in a perfect line and level all complete.	M2	12.8			

J7	PCC Work: PCC work M: 1:2:4, including form working and all technical requirements and engineering considerations.	M3	0.3			
J8	Supply and Installation of Water Filter: Supply & installation of water filter equipped with RO system & membrane filter, purification capacity 30 litre per hour, with connection to the water and power supply system, waste water proper drainage plus providing steel made reservoir capacity 80 litres with tap 1/2" and steel made stand, including extra one set of filters.	JOB	1.0			
Sub Total cost of Delivery Room Rehabilitation						0
K	Existing Emergency Building Toilet Rehabilitation					
K1	Eastern Toilet: Providing and installation of Eastern toilet (Farshi) plus all fittings and accessories, complete work.	No	1			
K2	Flush Tank: Providing and installation of Flush Tank plus all fittings and accessories, complete work.	No	1			
K3	Paper Holder: Providing and installation of paper holder.	No	1			
K4	Muslim Shower: Providing and installation of muslim shower with all fittings and accessories, complete work.	No	1			
K5	Supply and installation of New wash basin: Supply and installation of wash basin plus flexible drainage pipe and all required fittings and accessories.	No	1.0			
K6	Supply and installation of Soap Keeper: Supply and installation of soap keeper.	No	1.0			
K7	Supply and installation of Mirror: Supply and installation of Mirror size 40x 60 cm.	No	1.0			
K8	Supply and installation of Mixer: Supply and installation of approved mixer(taps) with all required fittings.	No	1.0			
K9	Supply and installation of Shutoff valve and Flexible Pipe: Supply and installation of shutoff valves, flexible pipe plus all required fittings and activities.	Pair	1.0			
K10	Demolition of Existing Ceramic and Tile: Demolition of existing ceramics and tiles.	M2	18.87			
K11	Ceramic and Tile Work: Providing and laying approved color ceramic glazed tile on wall & floor with 1:4 cement mortar base in a perfect line and level all complete.	M2	18.87			
K12	Painting Work: Two or more coats of approved color waterproof plastic paint with plaster of Paris (gypsum) giving uniform color on inner, outer walls, and ceiling.	M2	14.24			
K13	Shower: Providing and installation of shower with all fittings and accessories, complete work.	No	1.00			
K14	New Boiler Installation: Supply and installation of Boiler, capacity 50 litres, 0.8MPa, 50/60Hz, plus all required electrical and plumbing works, with connection to the water system, complete work.	No	1.00			

K15	Supply and Installation of Water Filter: Supply & installation of water filter equipped with RO system & membrane filter, purification capacity 30 litre per hour, with connection to the water and power supply system, waste water proper drainage plus providing steel made reservior capacity 60 litres with tap 1/2" and steel made stand, including extra one set of filters.	JOB	1			
K16	Existing wash basin Repairing: Supply and installation of wash basin approved mixer(tap) plus all required fittings and accessories.	No	2.00			
K17	Existing wash basin Repairing: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	No	2.00			
K18	PPR Pipe: Supply and installation of PPR pipe PN-10, dia=25mm for cold water, PPR pipe PN-20, dia=25mm for hot water plus all required fittings and accessories, complete work.	Lum Sum	1.00			
K19	PVC Pipe: Supply and installation of PVC pipe C-Class, dia=2" for wash basin and floor drain, PVC pipe dia 4" for toilet C-class plus all required fittings and accessories, complete work.	Lum Sum	2.00			
Sub Total cost of Emergency Building Rehabilitation						0
L	Existing Administration and Nutrition Toilet Rehabilitation					
L1	Flush Tank: Providing and installation of Flush Tank plus all fittings and accessories, complete work.	No	2.00			
L2	Paper Holder: Providing and installation of paper holder.	No	2.00			
L3	Muslim Shower: Providing and installation of muslim shower with all fittings and accessories, complete work.	No	2.00			
L4	Existing wash basin Repairing: Supply and installation of shutoff valves, plus flexible pipes and all required fittings and accessories.	No	2.0			
L5	Existing wash basin Repairing: Supply and installation of approved mixer (taps) for wash basin and plus all required fittings and accessories.	No	2.0			
L6	Demolition of Existing PCC: Demolition of existing PCC Size (W=0.4m, L= 8m) for grey water pipe to the new soak pit.	M	16.0			
L7	PVC Pipe: Supply and installation of PVC pipe C-Class, dia=3", plus all required fittings and accessories, complete work.	M	32.0			
L8	Excavation Work for Soak Pits: Excavation works in all kinds of soil including existing PCC.	M3	2.3			
L9	RCC Cover for Soak Pit: Providing and Filling RCC cover for the two proposed Soak pits (dia=1.1 m, th=0.1m).	No	3.0			
L10	Supply and Installation of Water Filter: Supply & installation of water filter equipped with RO system & membrane filter, purification capacity 30 litre per hour, with connection to the water and power supply system, waste water proper drainage plus providing steel made reservior capacity 60 litres with tap 1/2" and steel made stand, including extra one set of filters.	JOB	1			
Sub Total cost of Administration and Toilet Rehabilitation						0

M	BoQ for Construction of 10 M3 Elevated Water Tank					
M1	Excavation Work: Excavation of foundation in all type grounds.	M3	20.0			
M2	Backfilling Works: Back filling by excavated material plus well compaction and all technical requirements.	M3	10.0			
M3	Stone Masonry Work: Stone masonry with cement- sand mortar M:1:4 including all technical requirements.	M3	2.8			
M4	PCC Work: Plain Cement Concrete (PCC), M150 kg/cm ² (1:2:4) including formworking and all technical requirements.	M3	1.8			
M5	RCC Work: Reinforced Cement Concrete (RCC), M 200kg/cm ² , including steel bars bending, Formworking according to the attached drawings and technical requirements.	M3	9.4			
M6	Iron Plate: Supply and installation of Plate Iron (50x50)cm with hooks 12 mm thick.	No	4.0			
M7	Elevated Steel Water Tank: Supply and installation of complete set 10 m3 (10000 lit) Elevated steel water tank (including columns piles, Tie beams, safety hand rails, stairs, inlet & out let pipes and Etc.....), complete work, according to the attached Drawings.	set	1.0			
M8	GI Pipe : Supply and installaiton of Galvanized Iron (GI) pipe, inside diameter 2" .	m	30.0			
M9	Iron Socket: Supply and installation of Galvanized Iron Socket, diameter 2" .	No	6.0			
M10	Iron Nipple: Supply and installation of Galvanized Iron Nipple, diameter 2" .	No	12.0			
M11	Iron Elbow: Supply and installation of Galvanized Iron Elbow, diameter 2" .	No	6.0			
M12	Iron Union: Supply and installation of Galvanized Iron Union 2" .	No	2.0			
M13	End Cup: Supply and installation of End cup for the wash out pipe 2" .	No	1.0			
M14	Inlet Pipe: Supply and installation of End cup for the wash out pipe 2" .	No	1.0			
M15	Painting Work: Two or more coats of approved color paint with WVA Logo.	M2	73.2			
M16	Water Works: Connection of elevated water tank to the existing bore well and health center water supply system including all required fittings and activities, complete work.	Lum Sum	1.0			
Sub Total cost of 10 M3 Elevated Water Tank					0.0	
Grand Total for All BoQ (A+B+C+D+E+F+G+H+I+J+K+L+M)					-	

Prepared by: Sayed Masoud Tural
Designation: WASH Engineer

Signature:
Date:


box SIGN 46Z5J5JQ-4W2V3Z38

Technical Review: Farooq Jawid
Designation: WASH Adviser

Signature:
Date:


box SIGN 46Z5J5JQ-4W2V3Z38

Sep 1, 2024

Technical Checked : Yama Hewadmal
Designation: Technical Coordinator

Signature:
Date:


box SIGN 4YWZ8B5Q-4W2V3Z38

Sep 1, 2024