

PND Training Hall Conex Building, Kabul					
ABSTRACT OF COST					
A Civil Works					
S.No.	Description	Quantity	Unit	Rate (AFN)	Amount (AFN)
	All work items shall be carried as per drawing, specification and instruction of the Engineer.				
1	Sub-structure Works				
1.1	Earthwork in excavation in foundation, trenches etc. in all kinds of soils ramming the bottom, stacking the excavated materials at least 3.0m clear from the edge of excavation, pumping out water and shoring of trenches if necessary and then backfilling with stacked soil in 150mm layers, watering & ramming and disposing off all surplus excavated soil.	14.25	Cum.		
1.2	Providing and soling boulder stone (stone pitching) including filling the voids with sand and watering all complete.	2.25	Cum.		
1.3	Providing and laying plain cement concrete 1:3:6 on base of footing including centering & shuttering work where necessary, in perfect line & level with proper compaction, curing all complete.	2.03	Cum.		
1.4	Providing and laying reinforced cement concrete 1:1.5:3 (M200) in foundation (footings) in perfect line & level with proper compaction using vibrator, curing all complete including the cost of form works and excluding the cost of reinforcement.	4.56	Cum.		
1.5	Supplying and fixing steel reinforcement (Fe 415) with cutting, bending and placing in position and binding with GI wire including cost of the binding wire.	0.30	Ton		
2	Superstructure works				
2.1	Supply and fixing all metallic Containers (3nos of 40feet long, 1no of 20feet long with standard width as per drawing), fixing in perfect line and level and cutting the partition between containers for windows, doors all complete as per the drawing & Specification.	1.00	L.S		
2.2	Supply and fixing Insulation by 50mm thick polystyrene with the support of Metallic profile box (40x40x2mm) and plywood of 16mm thick for inner side of walls in perfect line and level and also including oil paint all complete as per the drawing & Specification.	146.69	Sqm.		
2.3	Providing and fixing 10 cm thick sandwich panel for the use of partition wall of kitchen and toilets all complete as per drawing and instruction of the engineer.	61.84	Sqm.		
2.4	Providing and fixing PVC window (frame and double glass shutter, wall thickness 1.8 – 2.5mm) including 4mm thick clear glass and mosquito net in window and necessary accessories (tower bolts, lock, hinges etc.) all complete.	25.28	Sqm.		
2.5	Providing and fixing PVC door (40# pvc door frame and shutter, double glass shutter in window) including 4mm thick clear glass and mosquito net in window and necessary accessories (tower bolts, lock, hinges etc.) all complete.	14.23	Sqm.		

S.No.	Description	Quantity	Unit	Rate (AFN)	Amount (AFN)
2.6	Supply and fixing Metallic profile (80x40x3mm) all around the windows and doors all complete as per the drawing & Specification.	86.91	Rm		
3	Flooring works:				
3.1	Supply and fixing Insulation by wood, Glass wool th:50mm, plywood th:16mm for flooring of containers in perfect line and level and including Vinyl flooring all complete as per the drawing & Specification.	80.17	Sqm		
3.2	Providing and laying plain cement concrete 1:2:4 (M150) as a base of tile work on toilet and kitchen floor, in perfect line & level with proper compaction, curing all complete.	1.24	cum		
3.3	Providing and laying approved color non-skidding ceramic tile (In kitchen and toilet) over cement mortar base with the thickness to match the given floor level of the building in perfect line and level (minimum base thickness 2cm.) all complete as per drawing.	13.42	sq.m		
4	Finishing work				
4.1	Providing and fixing Suspended Ceiling including Aluminum angle connector, Acoustical panel (PVC panel for toilet's and kitchen's ceiling) Hanger wire, dowels screws etc. all complete as per the drawing & specification.	92.53	Sqm.		
5	Roofing works				
5.1	Providing and fixing Metallic Truss structures with purlin (and 40x40x3.2mm profile connector at the bottom of truss for insulation material holding purpose) including welding with gusset, fixing anchor bolt and application two coat oil paint with a coat of red oxide primer paint as per drawing all complete for Roofing (Approximate weight of 2 Tons) .	1.00	LS		
5.2	Providing and fixing CGI Sheet 24 gauge for roofing including nail, screws with horizontal G I Gutter all around the roof, Metallic plate th:2mm and 16cm height between trusses etc. as per drawing all complete for Hall and kitchen area.	125.17	Sqm.		
5.3	Providing and fixing 30cm thick glass wool for roof insulation as per drawing all complete for Hall and kitchen area.	118.76	Sqm.		
5.4	Providing and fixing 150mm. X 150mm. Rectangular rain water/snow water with outlets (vertical gutter) including all necessary accessories all complete.	42.00	Rm.		
6	Miscellaneous Items				
6.1	Providing and making Metallic Stair (80x40x3mm) profile box all complete ready to use as steps for doors as per drawing & specification.	3.20	Rm.		
6.2	Providing and making wooden kitchen counter with marble top and kitchen sink with hot and cold-water mixture, including wooden self over covering over the kitchen cabinet all complete ready to use as per drawing & specification.	1.00	No		

S.No.	Description	Quantity	Unit	Rate (AFN)	Amount (AFN)
6.3	Providing and filling gravel/sand including watering and compacting in the walk way as per drawing all complete (for internal road and car park place).	5.37	Cum		
6.4	Providing and laying precast concrete block (50x05x30cm) around the edge of gravel filling area (internal walk way) all complete as per drawing all complete.	58.26	Rm		
Sub-Total Civil Works					
B. Electrical Works					
S.No.	Description	Quantity	Unit	Rate (AFN)	Amount (AFN)
	Providing and fixing in position of all work items with all necessary fittings complete with testing and ready for operation as per drawing, specifications, manufacturer's recommendations and Engineer's instructions.				
1	Ceiling and wall fixtures including cables with cover, conceal wiring system cable running on wall, switches, junction boxes and other necessary accessories all complete.				
1.1	Ceiling LED Light 68 watt	20.00	Set		
1.2	Ceiling LED Light 18 watt	6.00	Set		
1.3	Toilet Ventilation fan	2.00	Set		
1.4	Providing and fixing AC-18000 btu/h including necessary accessories all complete.	2.00	Set		
1.5	Providing and fixing AC-9000 Btu/h. including necessary accessories all complete.	1.00	Set		
1.6	Providing and fixing 80lbs. Capacity water heater including necessary accessories all complete.	1.00	Set		
1.7	Providing and fixing ceiling ventilation (Make: Polar/ Crompton/ Usha or equivalent)	7.00	Set		
2	Providing and fixing Power socket (3 pin switched socket) including cables in PE conduit, conceal wiring system etc. all complete.	24.00	Set		
3	Main Distribution boxes with MCBs all complete.	1.00	No.		
4	Earthing set with 600 x 600 x 3mm. Cu plate, 8Sq. mm. Cu wire including 15mm dia PE pipe, salt and coal all complete.	1.00	No.		
Sub-Total Electrical works					
C Water Supply, Sewerage & Waste Water System					
S.No.	Description	Quantity	Unit	Rate (AFN)	Amount (AFN)
	Providing and fixing in position of all work items with all necessary fittings complete with testing and ready for operation as per drawing, specifications, manufacturer's recommendations and Engineer's instructions.				
1	SANITARY INSTALLATION				

S.No.	Description	Quantity	Unit	Rate (AFN)	Amount (AFN)
1.1	White glazed earthenware Pan type WC with `P' or `S' trap, flushing cistern 10 lt. capacity, CP flushing pipe, 15mm. CP angular cock all complete.	2.00	Set.		
1.2	White glazed earthenware hand wash basin of size 600 x460 mm. with 15 mm. CP pillar tap, 15 mm. CP angular cock, 15 mm. PVC connector with both ends couplings,32 mm. CP bottle trap, 32 mm. CP waste coupling with plug, stay and chain all complete.	2.00	Set.		
1.3	15 mm. CP toilet shower with tap all complete.	2.00	Set.		
1.4	CP paper holder all complete.	2.00	Nos.		
1.5	CP soap dish all complete.	2.00	Nos.		
1.6	600 x 450 mm. beveled edge looking mirror with asbestos ground, CP screws and clips all complete.	2.00	Nos.		
1.7	20mm. diameter x 600mm. long CP towel rail (heavy duty) with CP caps and screws all complete.	2.00	Nos.		
1.8	PVC floor trap with cover all complete.	2.00	Nos.		
2	WATER SUPPLY INSTALLATION				
2.1	<p>Providing and fixing complete water supply pipe line (all internal and external) having Medium class approved Galvanized iron pipes with all necessary `R' or equivalent brand G.I. specials or high quality PPR pipes as per mentioned sizes (dia) and lengths in the drawing and also including fittings for the complete installation such as tees, crosses, reducers, unions, elbows, bends, sockets, plain nipples, long thread nipples, hex nipples, plugs, gate valves etc., M.S. clamps, nails and hooks. Installation of pipes and specials including making holes on walls or floors, cutting in walls or floors and repairing the same to its original finish, excavation and backfill for pipe trenches in any type of soil.</p> <p>Horizontal and vertical pipes to be installed in the trenches or walls or floors as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation as per drawing and instruction of the engineer :</p>	1.00	LS		

S.No.	Description	Quantity	Unit	Rate (AFN)	Amount (AFN)
3	SEWER & WASTE WATER INSTALLATION				
3.1	Providing laying complete sewerage pipe line (all internal and external) having approved class PVC/PE pipes of mentioned sizes (dia) and lengths and all necessary PVC/PE specials for complete installation such as tees, Y-tees, bends, reducers, plugs, syphons etc. PVC clamps, PVC Cowl, nails and hooks. Installation of pipes and specials including making holes on walls or floors, cutting in walls or floors and repairing the same to its original finish, excavation and backfill for pipe trenches in any type of soil, horizontal and vertical pipes to be installed in the ducts or trenches or walls or floors as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation :	1.00	LS		
4	Construction of Sewer Manhole of internal given sizes (height varies as per site) including Excavation, Backfilling, Brick soling, P.C.C. of 1:2:4, CI opening, Plastering & Punning work and other necessary works as per drawings, specification & instruction all	2.00	No.		
5	Providing and fixing 1000lts. Capacity overhead water tank support by I Beam, Angle iron and Metallic profile base, 10cm. thick Glass wool insulation covered with 24 gauge GI sheet and other necessary fittings & accessories all complete as per drawing and instruction of the engineer.	1.00	L.S.		
	Subtotal Water supply, Sewerage & waste water system				
	Total Project Cost in AFN				