

Bill of Quantity (BoQ)

Province:		Nangarhar						
Schools Locations:		Kuz Kunar ,Goshta ,Sarkhrud Districts						
Type of Project : Construction of 8 Blocks Toilets (40 Flush Toilets) at Girls Schools								
Title	No.	Norm/ unit	A*	Item Description	Quantity	Unit	Unit cost	Total cost
			Norm				Afs	Afs
A1	1.00			Site preparation	1,200.00	m²	-	-
	1.01	0.034		Site preparation, clearing site ect.	40.80	md		-
Sites preparation includes clearing site before start of work , during work and after completion of work. In addition to it , all necessary equipments and tools will be reached to working site for starting work								
A2	2.00			Foundation excavation	880.00	m³	-	-
	2.01	0.3		Unskilled labour	264.00	md		-
Mostly the soil is ordinary , but still any type of soil is expected								
A3	3.00			Stone work in foundation (1:5, M250)	280.00	m³	-	-
	3.01	1.1		Stone including transportation	308.00	m ³		-
	3.02	0.394		Sand	110.32	m ³		-
	3.03	95		Cement	26,600.00	kg		-
	3.04	48		water	13,440.00	liter		-
	3.05	0.45		Skilled labour	126.00	md		-
	3.06	0.9		Unskilled labour	252.00	md		-
Crushed stone should be used, the sand and water will be cleaned, cement will be fresh Portland not older than 3 month								
A4	4.00			Brick work of superstructure	320.00	m³	-	-
	4.01	520		1st class Brick including transportation	166,400.00	pcs		-
	4.02	0.281		Sand	89.92	m ³		-
	4.03	0.27		Transportation of sand	86.40	m ³		-
	4.04	50.2		Cement (1:5)	16,064.00	kg		-
	4.05	34		water	10,880.00	liter		-
	4.06	0.51		Skilled labour	163.20	md		-
	4.07	1.5		Unskilled labour	480.00	md		-
Well burnt brick will be used. Cement will be portland ,fresh and of good quality . Sand and water will be clean								
A5	5.00			RCC (M: 200, 1:1.5:3)	200.00	m³	-	-
	5.01	0.368		Sand	73.60	m ³		-
	5.02	0.736		gravel	147.20	m ³		-
	5.03	255		Cement	51,000.00	kg		-
	5.04	150		water	30,000.00	liter		-
	5.05	0.7		Skilled labour	140.00	md		-
	5.06	3.6		Unskilled labour	720.00	md		-
Cement should be portland fresh and of good quality , the aggregate should be crused and well washed								
A6	6.00			Steel working (footing+column+slab RB,Lentel and mesh...)	17,760.00	kg	-	-
	6.01			Steel bar 8 mm for one set of 5 cabine toilet 220kg	1760	kg		-
	6.02			Steel bar 12 mm for one set of toilet (2000kg)	13600	Kg		-
	6.03	0.007		Steel bar 1 mm	124.32	Kg		-
	6.04	0.012		Skilled labour	213.12	md		-
	6.05	0.007		Unskilled labour	124.32	md		-
Steel should be without rust and of good quality, the tensile stress of steel is 2400 kg/cm2,								
A7	7.00			Shuttering	1,200.00	m²	-	-
	7.01	0.02		Wooden timber	24.00	m ³		-
	7.02	1.5		Wooden pole 4m long	1,800.00	pcs		-
	7.03	0.05		Nail	60.00	kg		-
	7.04	0.20		Skilled labour	240.00	md		-
	7.05	0.2		Unskilled labour	240.00	md		-
Shuttering well tied and safe for walking and continuing work over it								
A8	8.00			PCC (M:150, 1:2:4) for under stone, floor, stairs	64.00	m³	-	-
	9.01	0.386		Sand	24.70	m ³		-
	9.02	0.771		gravel	49.34	m ³		-
	9.03	180		Cement	11,520.00	kg		-
	9.04	115		water	7,360.00	liter		-
	9.05	0.65		Skilled labour	41.60	md		-
	9.06	3.25		Unskilled labour	208.00	md		-
Cement should be fresh portland, the sand and water will be clean, the proportion of cement - sand and gravel should be considered								
A9	9.00			Doors and windows	800.00	m²	-	-
	9.01	0.05		Doors for 6 toilets	56	no		-
	9.02	0.06		windows for Vintalition	40	no		-
	9.03	0.12		Nail	96	no		-
	9.04	diff.		Lock for door	56	no		-
	9.05	2		Hinge 3 inches, 3 for each door	1,008	no		-
	9.06	0.1		Skilled labour on site	56	md		-
	9.07	0.05		Unskilled labour on site	56	md		-
For doors and windows size and specification see drawing								
A10	10.00			Painting of ` Doors and windows	2,400.00	m²	-	-
	10.01	0.17		Oil paint	408.00	kg		-

Title	No.	Norm/ unit	A*	Item Description	Quantity	Unit	Unit cost	Total cost
			Norm				Afs	Afs
	10.02	0.025		Skilled labour on site	60.00	md		-
Three coats oil painting of good available quality on doors and windows								
A11	11.00			Plastering (1:4, M300)	2,800.00	m²	-	-
	11.01	0.0167		Sand	46.76	m ³		-
	11.02	4		Cement	11,200.00	kg		-
	11.03	2		water	5,600.00	liter		-
	11.04	0.1		Skilled labour on site	280.00	md		-
	11.05	0.2		Unskilled labour on site	560.00	md		-
Sand and water should be cleaned , Cement should be best quality and fresh protland , the thickness of plastering is 1.5 cm								
A12	12.00			Pointing of stone work (1:3, M400)	640.00	m²	-	-
	12.01	0.024		Sand	15.36	m ³		-
	12.02	2		Cement	1,280.00	kg		-
	12.03	1		water	640.00	liter		-
	12.04	0.17		Skilled labour on site	108.80	md		-
	12.05	0.05		Unskilled labour on site	32.00	md		-
Sand and water should be cleaned , Cement should be best quality and fresh protland and consider cement sand mortar ratio								
A13	13.00			Filling with soil and compaction	160.00	m³	-	-
	13.01	1		Soil	160.00	m ³		-
	13.02	0.33		Unskilled labour on site	52.80	m3		-
Any type of soil can be used but it should be well compacted								
A14	14.00			Toilet Commodes	40.00	no	-	-
	14.01			Ceramic Indian set commode of good quality including labor cost and fittings	32.00	no		-
	14.02			Ceramic commode for disabled people including labor cost and fittings	8.00	no		-
Any type of stone can be used for filling								
A15	15.00			Water supply For Toilets Blocks	8.00	Block	-	-
	15.01			0.5" taps of good Quality with flexible hose	40.00	PC		-
	15.02			Fitting and PPR pipe from roof water tank to toilet Block (5 Toilets)	8.00	Set		-
A16	16.00			Supply and installation of Ceramic tiles	720.00	m²	-	-
	16.01	1.04		Ceramic tiles	748.80	m ²		-
	16.02	0.0364		Sand	26.21	m3		-
	16.03	1		Cement	720.00	Kg		-
	16.04	0.25		Skill Labours	180.00	md		-
	16.05	0.35		Un skill Labours	252.00	md		-
Tiles of good quality , size (0.5x0.5) m for corridors and (30x30) cm for other place will be used.								
A17	17.00			Painting of wall and ceiling outside and inside	2,800.00	m²	-	-
	17.01	0.015		Plastic Paint 50% inside	42.00	kg		-
	17.02	0.4		white glue	1,120.00	kg		-
	17.03	0.02		Marble powder	56.00	kg		-
	17.04	0.0275		Powder	77.00	kg		-
	17.05	0.02		Skilled labour on site	56.00	md		-
	17.06	0.02		Unskilled labour	56.00	md		-
Inside building three coats plastic painting should be done , while for suurounding walls three coats of painting								
A18	18.00			Railing	8.00	Block	-	-
	18.01			Railing for ramp , stairs and disable people toilet as per drawing	8.00	Blocks		-
A18	19.00			Mud Roofing	8.00	Blocks	-	-
	19.01			Mud roofing over RCC slab of two layers with quality plastic	8.00	Blocks		-
A18	20.00			Glass fitting for windows	40.00	m²	-	-
	20.01	1		Glasses	40.00	m2		-
	20.02	0.04		Skilled labour on site	1.60	md		-
5 mm glass will be used for the windows								
Total Cost of All Activities (AFs)								0