

STRENGTHENING A DECENTRALIZED HEALTH SYSTEM
FOR PROTRACTED DISPLACED POPULATION IN AL
FASHER AND NYALA - NORTH AND SOUTH DARFUR
STATES



CPD

Chapters - summary

<i>CHAPTERS SUMMARY</i>		Total EUR
0	GENERAL/MOBILIZATION	2.000,00
1	DEMOLITION AND DISMANTLING	1.400,00
2	STRUCTURAL & EXCAVATION	5.472,83
3	CIVIL WORKS & FINISHING	52.131,00
4	ELECTRICAL	4.971,00
5	PLUMBING	3.037,34
S	Safety and Insurance	2.000,00
Total		71.012,17

BILLS OF QUANTITIES**CPD****Chapter 0**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	GENERAL/MOBILIZATION				
0.1	Mobilization and site preparation including fencing, furnished site offices, sign boards, storage facilities, supporting facilities, temporary utilities & other expenses.				
0.2	During construction, temporary electricity, temporary water, transportation, overtime, tests, samples, reports, work programs, insurances and all other expenses.	1,00	JOB	2.000,00	2.000,00
0.3	Demobilization & site clearing				
	TOTAL				2.000,00

To Bill Summary

BILLS OF QUANTITIES

CPD

Chapter 1

Ref.	DESCRIPTION	Quantity	Unit	Unit Price EUR	Amount EUR
1	DEMOLITION AND DISMANTLING				
	Dismantling and demolition of existing parts of construction, including light steel structure, corrugated american sheets, walls, internal partitions, internal and external finishings including false ceiling, floors and any light fittings. Demolition of bricks or any other materials wall, of materials roof, removal of debris and its transport to the city landfill up in according to local authority specifications. For walls tiled with ceramics and other materials, price includes stripping of these layers. The cut-off line of the demolition work shall suit the existing site conditions. The Contractor shall provide temporary finish linings, covers, flashing plate, etc. and a temporary weather proof external enclosure during the construction work.				
1,1	Demolition concrete stair				
	Ditto, for Block B as for drawings	1,00	JOB	300,00	300,00
1,2	Dismantling of existing coregated metal sheet				
	Ditto, for Block A as for drawings	1,00	JOB	600,00	600,00
1,3	Dismantling of existing coregated metal sheet and steel structure				
	Ditto, for Block B as for drawings	1,00	JOB	300,00	300,00
	Ditto, for Block C as for drawings	1,00	JOB	200,00	200,00
	TOTAL				1.400,00

To Bill Summary

BILLS OF QUANTITIES

CPD

Chapter 2

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
2	STRUCTURAL & EXCAVATION				
2.1	EXCAVATION				
	Excavation for building foundations and/or other manufactures in all kinds of soil and rocks including shoring (if it required as per site conditions) and removal of surplus materials from the site according to local authority specifications and as directed by the Supervisor Engineer				
2.1.1	EXCAVATION FOR MANSORY STRIP FOUNDATION (0.80 m) DEPTH , (0.50 m WIDTH)				
	Ditto, for NEW Block D Latrine	11,75	M.L	9,00	105,75
2.2	STRIP FOUNDATION				
2.2.1	STONE STRIP FOUNDATION				
	Supply and construct Rocky stone strip foundations [50 cm width and 40cm height] with cement mortar 1:6 c/s for main building as per drawings.				
	Ditto, for Block D Latrine	11,75	M.L	7,00	82,25
2.2.2	MASONRY STRIP FOUNDATION (GASSA)				-
	Supply and construct continues wall over the strip foundation (Gassa) using red bricks with cement sand mortar 1:6 for the building as per drawings.				-
	40 cm width and 50cm height				
	Ditto, for Block D Latrine	11,75	M.L	110,00	1.292,50
2.3	REINFORCED CONCRETE UNDER FLOOR				
	Supply and cast reinforced concrete mix (1:2:4) with Fcu=25N/mm ² , Deformed Bars 12mm diameter (Fy=460N/mm ²) under slab floor, t=100mm				
	Ditto, for Block C (Store)	1,75	SQM	50,00	87,50
	Ditto, for Block D Latrine	6,83	SQM	50,00	341,25
2.4	COMPACTED SOIL REPLACEMENT				
	Supply and lay selected well graded un-expansive well compacted soil with water.				
	for under slab floor, one layers (20 cm)				
	Ditto, for Block C	0,35	CUM	17,00	5,95
	Ditto, for NEW Block D Latrine	1,37	CUM	17,00	23,21
2.5	REINFORCED CONCRETE (Grade BEAMS)				
	Supply and cast reinforced concrete with Fcu=25N/mm ² , Deformed Bars 12mm diameter (Fy=460N/mm ²) 1:2:4, Stirrup Bars 8mm diameter (Fy=250N/mm ²)				
	beam dimension (30 cm Width, 40 cm Height)				
	Ditto, for Block D Latrine	1,41	CUM	350,00	493,50
2.6	REINFORCED CONCRETE (LINTEL BEAMS)				

BILLS OF QUANTITIES

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Chapter 2

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	Supply and cast reinforced concrete with $F_{cu}=25N/mm^2$, Deformed Bars 12mm diameter ($F_y=460N/mm^2$) 1:2:4 Lintal Beam dimension (30 cm Width, 20 cm Thickness)				
	Ditto, for Block A as for drawings	0,17	CUM	155,00	26,04
	Ditto, for Block D Latrine	0,10	CUM	155,00	14,88
2,7	STEEL STAIR				-
	Supply and intallation of steel stair including all necessary accessories. As per Drawings				-
	Ditto, for Block B	1,00	JOB	3.000,00	3.000,00
	TOTAL				5.472,83

To Bill Summary

BILLS OF QUANTITIES

CPD

Chapter 3

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
3	CIVIL WORKS & FINISHING				
3,1	CRACKS FIXING				-
	Fixing and repairing of minor and deep cracks on walls by applying suitable filler compound and taping with joint compound. Covering with net and joint compound to achieve a smooth wall according to Site Supervisor instructions.				-
	Ditto, for Block B 1st FLOOR	1,00	Job	90,00	90,00
	Ditto, for Block C	1,00	Job	90,00	90,00
3,2	BRICK WALL				-
	Supply and erection of walls using red brick or cement hollow block with sand-cement mortar. The walls are considering the total areas (i.e. inclusive of dead freight) and not deducted by openings (doors, windows). Inclusive of edges, lintels, and all needs to have the opening on the walls.				-
3.2.1	30 cm thickness			-	-
	Ditto, for Block A	44,02	SQM	25,00	1.100,40
	Ditto, for Block B 1st FLOOR	2,40	SQM	25,00	60,00
	Ditto, for Block D Latrine	44,60	SQM	25,00	1.115,00
3,3	PLASTER				-
3.3.1	INTERNAL PLASTER				-
	Sand-cement plaster 1:6 (1 cement: 6 sand), including bonding agent, scratch coat, corner bead, metal lath, plaster stop, fixation, all other accessories including cleaning of all spills, touch – ups finished with a floating coat of neat cement on the roughside of brick wall. The plaster is considering the total volume (i.e. inclusive of dead freight). Inclusive of edges, lintels, and all needs to have the opening on the walls.				-
	Ditto, for Block A	62,11	SQM	13,00	807,43
	Ditto, for Block B 1st FLOOR	89,28	SQM	15,00	1.339,20
3.3.2	EXTERNAL PLASTER				-
	Sand-cement plaster 1:6 (1 cement: 6 sand), including bonding agent, scratch coat, corner bead, metal lath, plaster stop, fixation, all other accessories including cleaning of all spills, touch – ups finished with a floating coat of neat cement on the roughside of brick wall. The plaster is considering the total volume (i.e. inclusive of dead freight). Inclusive of edges, lintels, and all needs to have the opening on the walls. Including the bench on top of wall, parapets,...				-
	Ditto, for Block A	5,95	SQM	15,00	89,25
	Ditto, for Block B 1st FLOOR	2,40	SQM	15,00	36,00
	Ditto, for Block D Latrine	72,19	SQM	15,00	1.082,85
3,4	FLOOR TILES				-

BILLS OF QUANTITIES

CPD

Chapter 3

Ref.	DESCRIPTION	Quantity	Unit	Unit Price EUR	Amount EUR
	Supply and installation of porcelain tiles for floor cm 40x40, fixed by cement mortar and including the grouting, all inclusive. Samples to be submitted to and approved by the Work Director				
3.4.1	INTERNAL TILES				-
	Ditto, for Block A	257,29	SQM	25,00	6.432,13
	Ditto, for Block B 1st FLOOR	53,29	SQM	25,00	1.332,35
	Ditto, for Block C	1,75	SQM	25,00	43,75
	Ditto, for Block D Latrine	14,00	SQM	25,00	350,00
3.4.2	WALL TILES				
	Supply and installation of ceramic wall tiles . 15X15 cm, fixed by cement mortar , including grouting, all inclusive. Samples to be submitted and approved by the Work				
	Ditto, for Block D Latrine	130,02	SQM	22,00	2.860,40
3.4.3	SKIRTING TILES				
	Supply and installation of ceramic skirting tiles, fixed by cement mortar, including grouting, all inclusive. Samples to be submitted and approved by the Work Director				
3.4.3.1	INTERNAL SKIRTING				
	Ditto, for NEW Block A	93,75	M.L	14,00	1.312,50
	Ditto, for Block B Ground FLOOR	58,57	M.L	14,00	819,98
	Ditto, for Block B 1st FLOOR	58,57	M.L	14,00	819,98
	Ditto, for Block C	25,50	M.L	14,00	357,00
3.5	MODIFICATION DOOR and WINDOWS				
	Modification of the existing steel door and windows adding new part in order to proper installation in the opening completed of frame, handle, hinges and all accessories, adjusting doors levels according to the drawings,applying of paint coat on surface (windows, doors) specific paint. Including cleaning, brushing, anti rust treatment (if necessary) and three coats of paint. and as approved by the Site Supervisor.				-
3.5.1	WINDOWS MODIFICATION				-
	Ditto, for Block A as for drawings	1,00	Job	140,00	140,00
	Ditto, for Block B as for drawings	1,00	Job	210,00	210,00
	Ditto, for Block C as for drawings	1,00	Job	105,00	105,00
3.5.2	DOORS MODIFICATION				
	Ditto, for Block A as for drawings	1,00	Job	140,00	140,00
	Ditto, for Block B as for drawings	1,00	Job	70,00	70,00
	Ditto, for Block C as for drawings	1,00	Job	140,00	140,00
	Ditto, for Block D as for drawings	1,00	Job	140,00	140,00
3.5.3	WINDOWS (NEW)				
	Supplying and installation of new steel windows, tempered single glaze, (6mm), transparent finish. Rate shall include all hardwares, and mosquito net as per drawings and work director approval.				
	100 x 150cm				

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Chapter 3

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	Ditto, for Block A 100 x 120cm	2,00	No.	120,00	240,00
	Ditto, for Block C Aluminum Windows (100 x 120 cm)	2,00	No.	120,00	240,00
	Ditto, for Block B	6,00	No.	200,00	1.200,00
3.5.4	CONVERT DOOR TO WINDOW				-
	Ditto, for Block A	1,00	JOB	70,00	70,00
3.5.5	VENTILATION WINDOWS				
	Supply and installation of ventilation windows,metal frame with mosquito net fixed 50 x 50 cm				
	Ditto, for Block C	1,00	No.	55,00	55,00
	Ditto, for Block D Latrine	6,00	No.	55,00	330,00
3.5.6	NEW DOORS				
	Supplying and installation of steel doors. Rate shall include all hardwares, sealant in all connections with wall, as per drawings and work director approval. 100 x 220 cm				
	Ditto, for Block A 70x 180cm	2,00	No.	230,00	460,00
	Ditto, for Block D Aluminum Doors (120 x 225 cm)	1,00	No.	180,00	180,00
	Ditto, for Block B	2,00	No.	450,00	900,00
3.5.7	NEW DOORS TOILET for disabled persons				
	Supply and installation of pvc swing doors. Rate shall include all hardwares, silicon sealant in all connections with wall,as per drawings and site supervisor approval. 100x 180 cm				-
	Ditto, for Block D	1,00	No.	450,00	450,00
3.6	PAINTING WORKS				
3.6.1	INTERNAL PAINTING				
	Applying of paint coat, in plaster surface, glossy oil paint, up to the height of 1.7 meters. Including brushing, mold removal and grouting, primer, filler and three coats of paint. Colour to be submitted and approved by the Site Supervisor. Total area (i.e. inclusive of dead freight).				
	Ditto, for Block A	170,24	SQM	9,00	1.532,14
	Ditto, for Block B GF	44,06	SQM	9,00	396,58
	Ditto, for Block B1st FLOOR	44,06	SQM	9,00	396,58
	Ditto, for Block C	34,00	SQM	9,00	306,00
	Applying of paint coat, in plaster surface, EMULSION PAINT (Pomastic). Including primer, filler and three coats of paint. Colour to be submitted and approved by the Site Supervisor.				-
	from the height of 1.70 meters to the ceiling				-
	Ditto, for Block A as for drawings	250,35	SQM	6,00	1.502,10
	Ditto, for Block B GF	46,66	SQM	6,00	279,94
	Ditto, for Block B1st FLOOR	46,66	SQM	6,00	279,94

BILLS OF QUANTITIES**CPD****Chapter 3**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	Ditto, for Block C	52,00	SQM	6,00	312,00
3.6.2	EXTERNAL PAINTING				
	Applying of paint coat with EMULSION PAINT (Pomastic) from the floor level to the ceiling in covered waiting areas. Including brushing, and three coats of paint. Colour to be submitted and approved by the Site Supervisor. For all external surfaces including pillars and ceilings of waiting areas. Total area (i.e. inclusive of dead freight).				

BILLS OF QUANTITIES

CPD

Chapter 3

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	Ditto, for NEW Block A	343,16	SQM	6,00	2.058,95
	Ditto, for Block B GF	99,32	SQM	6,00	595,94
	Ditto, for Block B 1st FLOOR	93,39	SQM	6,00	560,34
	Ditto, for Block C	70,31	SQM	6,00	421,83
	Ditto, for Block D Latrine	82,05	SQM	6,00	492,30
3.6.3	ROOF PAINTING				-
	Applying of paint coat, in plaster surface, EMULSION PAINT (Pomastic). Including primer, filler and three coats of paint. Colour to be submitted and approved by the Site Supervisor.				-
	Ditto, for Block B GF	63,15	SQM	9,00	568,31
3.7	FALSE CEILING				
	Supplying and laying of internal false ceiling. The item includes any necessary supply and work according to standards like aluminium frames, fillers, tapes, beads, fixings				
	Ditto, for Block A	257,29	SQM	18,00	4.631,13
	Ditto, for Block B 1st FLOOR	53,29	SQM	18,00	959,29
	Ditto, for Block C	1,75	SQM	18,00	31,50
3.8	STEPS				
	Repairing existing concrete steps ,at the same level, surface ready for tiling according to works director instructions and				
	Ditto, for Block A	4,00	JOB	110,00	440,00
	Ditto, for Block C	1,00	JOB	110,00	110,00
	Ditto, for Block D	2,00	JOB	110,00	220,00
3.9	RAMP FOR WHEELCHAIR				

BILLS OF QUANTITIES

CPD

Chapter 3

Ref.	DESCRIPTION	Quantity	Unit	Unit Price EUR	Amount EUR
	Construction of ramps with landings for wheelchair. The item includes 30 cm depth excavation, supply and lay selected well graded un-expansive well compacted soil thickness 30 cm, the brick walls (with compacted soil and plain concrete), supply and cast for plain concrete (1:3:6) (t=10cm), reinforced plain concrete slab (1:2:4) (t=10cm), and screed cement finish with non-slippery treatment, lateral borders with plaster and paint on the lateral surfaces. Including lateral steel handrail. According to Site Supervisor				
	Ditto, for Block A	1,00	JOB	385,00	385,00
	Ditto, for Block D	1,00	JOB	385,00	385,00
3,10	PARAPET RAILING				
	Supply and proper installation of parapet iron guard railing including all necessary accessories.				
	Ditto, for Block B 1st FLOOR	15,60	M.L	90,00	1.404,00
3,11	GALVANIZED GUTTER				
	Supply and proper installation of galvanized gutter, with flashing over upstand into wall, to be properly fixed between Corrugated Metal Sheet roof and wall.				
	Ditto, for Block A	37,10	M.L	20,00	742,00
	Ditto, for Block C	5,14	M.L	20,00	102,80
3,12	STEEL STRUCTURE				-
	Supply and proper installation of steel structure including all necessary accessories for proper installation .				-
	Ditto, for Block B 1st FLOOR	45,99	SQM	25,00	1.149,75
	Ditto, for Block D	28,83	SQM	25,00	720,69
3,13	CORRUGATED METAL SHEET ROOF				
	Supply and proper installation of new Corrugated Metal Sheets on the new steel structure including all necessary				
	Ditto, for Block A	316,50	SQM	14,00	4.431,00
	Ditto, for Block B 1st FLOOR	45,99	SQM	14,00	643,86
	Ditto, for Block C	32,88	SQM	14,00	460,25
	Ditto, for Block D	28,83	SQM	14,00	403,59
	TOTAL				52.131,00

To Bill Summary

BILLS OF QUANTITIES

CPD

Chapter 4

Ref.	DESCRIPTION	Quantity	Unit	Unit Price EUR	Amount EUR
4	ELECTRICAL				
4.1	SUB-DISTRIBUTION BOARDS (SDBs)				
	Sub-distribution Boards (SDB ^s) 3-phase panel type boards TPN+E complete with SP stab lock miniature circuit breakers and TP main switch as for drawings. Approval subject to the Work Director.				-
	Ditto, for Block A as for drawings				-
	6-way DB (18 O/G)	1,0	No.	250,00	250,00
	Ditto, for Block B as for drawings				-
	4-way DB (12 O/G)	1,0	No.	175,00	175,00
4.2	ELECTRICAL POINTS				
	Work includes provision of PVC conduits and all accessories and wiring, from the point up to the distribution board. Approval subject to the Work Director.				
4.2.1	LIGHTING POINTS				
	Work includes wiring to the light switch use 3x1.5				
	Ditto, for Block A as for drawings	29,0	No.	15,00	435,00
	Ditto, for Block B as for drawings	10,0	No.	15,00	150,00
	Ditto, for Block C as for drawings	9,0	No.	15,00	135,00
	Ditto, for Block D as for drawings	10,0	No.	15,00	150,00
4.2.2	CEILING FAN POINTS				
	Ditto with wiring to the fan regulator.				
	Ditto, for Block A as for drawings	11,0	No.	15,00	165,00
	Ditto, for Block B as for drawings	2,0	No.	15,00	30,00
	Ditto, for Block C as for drawings	2,0	No.	15,00	30,00
4.2.3	SOCKET-OUTLET POINTS				
	(13A +16 A) Sockets point. Use 2x2.5 +1.5 mm ² wire				
	Ditto, for Block A as for drawings	29,0	No.	15,00	435,00
	Ditto, for Block B as for drawings	8,0	No.	15,00	120,00
	Ditto, for Block C as for drawings	6,0	No.	15,00	90,00
	Ditto, for Block D as for drawings	3,0	No.	15,00	45,00
4.3	ELECTRICAL FIXTURES AND EQUIPMENTS				
4.3.1	CEILING LAMP				
	Ditto, for Block A as for drawings	21,0	No.	16,00	336,00
	Ditto, for Block B as for drawings	6,0	No.	16,00	96,00
	Ditto, for Block C as for drawings	7,0	No.	16,00	112,00
	Ditto, for Block D as for drawings	9,0	No.	16,00	144,00
4.3.2	External WALL LAMP				
	Ditto, for Block A as for drawings	8,0	No.	16,00	128,00
	Ditto, for Block B as for drawings	4,0	No.	16,00	64,00
	Ditto, for Block C as for drawings	2,0	No.	16,00	32,00

	Ditto, for Block D as for drawings	1,0	No.	16,00	16,00
4.3.3	CEILING FANS				
	Ditto, for Block A as for drawings	11,0	No.	100,00	1.100,00
	Ditto, for Block B as for drawings	2,0	No.	100,00	200,00
	Ditto, for Block C as for drawings	2,0	No.	100,00	200,00
4.4	SWITCHES				
	Supply and Install lighting switches from approved manufactured, complete as required per standards. Including wiring using approved UPVC conduits and all necessary fittings. The item includes cutting the walls and making good the same for recessed conduits. Approval subject to the Work Director.				
4.4.1	Light switch single 10A gang				
	Ditto, for Block A as for drawings	2,0	No.	3,00	6,00
	Ditto, for Block B as for drawings	2,0	No.	3,00	6,00
	Ditto, for Block C as for drawings	1,0	No.	3,00	3,00
	Ditto, for Block D as for drawings	1,0	No.	3,00	3,00
4.4.2	Light switch double 10A gang				
	Ditto, for Block A as for drawings	5,0	No.	4,00	20,00
	Ditto, for Block B as for drawings	2,0	No.	4,00	8,00
	Ditto, for Block C as for drawings	2,0	No.	4,00	8,00
4.4.3	Light switch 3-gang 10A				
	Ditto, for Block A as for drawings	10,0	No.	5,00	50,00
	Ditto, for Block B as for drawings	2,0	No.	5,00	10,00
	Ditto, for Block C as for drawings	2,0	No.	5,00	10,00
	Ditto, for Block D as for drawings	5,0	No.	5,00	25,00
4.5	SOCKET OUTLET				
	Supply & installation of fused shuttered switched socket outlet to comply with relevant BS standard (Clipsal, Orange, Crabtree/ Tenby/ABB or equivalent). Wiring (including supply of earth wire & all other material required) of above socket using recessed UPVC conduits is included in the item				
	Ditto, for Block A	29,0	No.	4,00	116,00
	Ditto, for Block B	8,0	No.	4,00	32,00
	Ditto, for Block C	6,0	No.	4,00	24,00
	Ditto, for Block D	3,0	No.	4,00	12,00
	TOTAL				4.971,00

To Bill Summary

BILLS OF QUANTITIES

CPD

Chapter 5

Ref.	DESCRIPTION	Quantity	Unit	Unit Price EUR	Amount EUR
5	PLUMBING				
5.1	PLUMBING DRAINAGE SYSTEM				
5.1.1	DRAINAGE PIPES				
	Provide and install the complete drainage pipes shall be U.P.V.C. (Heavy duty) class 3 to BS4515 (6 bar) lay with all fittings including all bends, junction, accessories, support ... etc. for complete work & according to the consultant requirements and the approved sample				
	> Dia 50 mm (2")				
	Ditto, for Block D as for drawings	14,00	ML	12,00	168,00
	> Dia 100 mm (4")				
	Ditto for, Block D as for drawings	19,50	ML	15,00	292,50
5.1.2	VENTILATION PIPES				
	Supply and install PVC pipes 4 inch, 4.3m high fastened to wall. Top of vent pipes is a minimum 0.5m above roof and the bottom 0.5m under the Toilet floor				
	> Dia 100 mm (4")				
	Ditto for, Block D as for drawings	12,00	No.	15,00	180,00
5.1.3	GULLY TRAP				
	Provide material & erect reinforced square Gully trap 0.30*0.30 depths 0.30 m including all excavation , back filling ,concrete work, water proofing ,depth according as drawing and complete with 30x30 cm sealed cover (heavy duty type) laying the pipe before construct manhole and fixing. work to be completed according to specification and engineer approval.				
	Ditto for, Block D as for drawings	2,00	No.	35,00	70,00
5.1.4	NEW DRY MANHOLE				

	Provide material & erect reinforced concrete circular Dry Manhole (dia 0.60 m , depth 0.40 - 0.80 m) according to the specification as indicated on drawings including all excavation , back filling ,concrete work, water proofing ,depth according as drawing and complete with 45x45 cm sealed cover (heavy duty type) laying the pipe before construct manhole and fixing. work to be completed according to specification and engineer approval.				
	Ditto for, Block D as for drawings	7,00	No.	90,00	630,00
5.1.5	WASH BASIN				
	Supply and install Hand wash basin (trap cover), approved manufactures (Duravit - Egypt) minimum bowl (650x485mm.) complete with fitting , Eurosmart cosmopolitan Ohm basin complete with angle valve (GROHE) with all necessary fittings, and all accessoriesetc. for complete work as specification and Site Supervisor approval.				
	Ditto for, Block D as for drawings	6,00	No.	100,00	600,00
5.1.6	FLOOR DRAIN				
	Provide and install floor drain 50 mm inlet & out let from recognized manufacturer to the satisfaction of Site Supervisor				
	Ditto for, Block D as for drawings	1,00	No.	15,00	15,00
5.1.7	WATER CLOSET				
	Supply and install Eastern water closet,approved manufactures (Twyford) , complete with flush tank , valve,Trigger Spray handshower set ,angle valve with all necessary fittings, support, and all accessoriesetc. for complete work as specification and Site Supervisor approval.				
	Ditto for, Block D as for drawings	5,00	No.	100,00	500,00
	Supply and install Western water closet,approved manufactures(Duravit (Egypt) -GROHE) , complete with seat and cover, flush tank , valve,Trigger Spray handshower set ,angle valve with all necessary fittings, support, and all accessoriesetc. for complete work as specification and Site Supervisor approval.				
	Ditto for, Block D as for drawings	1,00	No.	120,00	120,00
5.2	PLUMBING WATER SUPPLY SYSTEM				
5.2.1	WATER PIPES				

	Supply and install water supply pipes shall be heavy duty PP-R pipes class 3 PN 20 , from approved manufactures (TECHNO-Sultanate of Oman) complete with all necessary fittings , valves for all toilets and all general services as detailed in specifications as shown in the drawings.				
	> Dia 25 mm (1")				
	Ditto for, Block D as for drawings	17,90	ML	4,00	71,60
	> Dia 12 mm (0.5")				
	Ditto for, Block D as for drawings	10,00	ML	3,00	30,00
5.2.2	RAIN DRAIN PIPES				
	Provide and install the complete rain drain pipes shall be U.P.V.C. (Heavy duty) class 3 to BS4515 (6 bar) for complete work & according to the consultant requirements and the approved sample				
	> Dia 100 mm (4")				
	Ditto for, Block A as for drawings	18,00	ML	12,00	216,00
	Ditto for, Block B as for drawings	6,00	ML	12,00	72,00
	Ditto for, Block C as for drawings	3,02	ML	12,00	36,24
	Ditto for, Block D as for drawings	3,00	ML	12,00	36,00
	TOTAL				3.037,34

To Bill Summary

BILLS OF QUANTITIES**CPD**

Chapter S					
Ref.	DESCRIPTION	Quantity	Unit	Unit Price EUR	Amount EUR
S	SAFETY AND INSURANCE				
S.1	Safety & Insurance: Accident Prevention Devices (such as anti-slippery heavy duty shoes, working glasses, gloves, jacket, etc.); training; implementation of safe working methodology and procedures; insurance as per Art. 16.2.b.4 of Contract General Conditions & Special Conditions; monitoring				
		1	Job	2.000,00	2.000,00
TOTAL					2.000,00

To Bill Summary