

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



HEALTH CENTER OF AL SALAM- NUTRITION  
PROGRAM REHABILITATION

Chapters - summary

<i>CHAPTERS SUMMARY</i>		Total EUR
0	GENERAL/MOBILIZATION	3.000,00
1	DEMOLITION AND DISMANTLING	3.050,00
2	STRUCTURAL & EXCAVATION	34.640,13
3	CIVIL WORKS & FINISHING	194.712,34
4	ELECTRICAL	28.269,65
5	PLUMBING	10.912,60
S	Safety and Insurance	2.000,00
Total		276.584,72

**BILLS OF QUANTITIES****HEALTH CENTER OF AL SALAM- NUTRITION PROGRAM  
NEW CONSTRUCTION****Chapter 0**

<b>Ref.</b>	<b>DESCRIPTION</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price EUR</b>	<b>Amount EUR</b>
	<b>GENERAL/MOBILIZATION</b>				
<b>0.1</b>	Mobilization and site preparation including fencing, furnished site offices, sign boards, storage facilities, supporting facilities, temporary utilities & other expenses.	<b>1,00</b>	<b>JOB</b>	<b>3.000,00</b>	<b>3.000,00</b>
<b>0.2</b>	During construction, temporary electricity, temporary water, transportation, overtime, tests, samples, reports, work programs, insurances and all other expenses.				
<b>0.3</b>	Demobilization & site clearing				
	<b>TOTAL</b>				<b>3.000,00</b>

**To Bill Summary**

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NEW CONSTRUCTION**

**Chapter 1**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
<b>1</b>	<b>DEMOLITION AND DISMANTLING</b>				
	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.				-
<b>1,1</b>	Total demolition including walls, roof and finishing				
	Ditto, for Block A as for drawings	1,00	JOB	500,00	500,00
	Ditto, for Block B as for drawings	1,00	JOB	900,00	900,00
	Ditto, for Block C as for drawings	1,00	JOB	850,00	850,00
	Ditto, for Other as for drawings	1,00	JOB	500,00	500,00
	Ditto, for Latrine as for drawings	1,00	JOB	300,00	300,00
	<b>TOTAL</b>				<b>3.050,00</b>

**To Bill Summary**

**BILLS OF QUANTITIES**

**HEALTH CENTER OF AL SALAM- NUTRITION PROGRAM NEW  
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**Chapter 2**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price EUR	Amount EUR
<b>2</b>	<b>STRUCTURAL &amp; EXCAVATION</b>				
<b>2.1</b>	<b>EXCAVATION</b>				
	Excavation for building foundations and/or other manufacts 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				
<b>2.1.1</b>	<b>EXCAVATION FOR MANSONRY STRIP FOUNDATION (0.80 m) DEPTH , (0.50 m WIDTH)</b>				
	Ditto, for NEW Block A	75,00	M.L	8,00	600,00
	Ditto, for NEW Block B	56,10	M.L	8,00	448,80
	Ditto, for Electrical room	14,00	M.L	8,00	112,00
<b>2.1.2</b>	<b>EXCAVATION FOR MANSONRY STRIP FOUNDATION (0.50 m) DEPTH , (0.50 m WIDTH)</b>				
	Ditto, for NEW Block A	20,00	M.L	6,00	120,00
	Ditto, for NEW Block B	14,00	M.L	6,00	84,00
<b>2.1.3</b>	<b>EXCAVATION FOR CONCRETE STRIP FOUNDATION</b>				-
	Ditto, for Children Play Ground	61,57	CUM	6,00	369,41
<b>2.1.4</b>	<b>EXCAVATION FOR TOILET</b>				-
	Ditto, for Block T1	109,74	CUM	6,00	658,44
	Ditto, for Block T2	109,74	CUM	6,00	658,44
<b>2.2</b>	<b>STRIP FOUNDATION</b>				
<b>2.2.1</b>	<b>STONE STRIP FOUNDATION</b>				-
	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 NEW Block A	75,00	M.L	16,00	1.200,00
	Ditto, for NEW Block B	56,10	M.L	16,00	897,60
	Ditto, for Electrical room	14,00	M.L	16,00	224,00
<b>2.2.2</b>	<b>CONCRETE STRIP FOUNDATION</b>				-
	Supply and cast reinforced concrete mix (1:2:4) for strip foundation with Fcu=25N/mm <sup>2</sup> , Deformed Bars( 12mm diameter spacing 150mm in long span, 16 mm diameter spacing 150mm in short span) (Fy=460N/mm <sup>2</sup> )				-
	Ditto, for Children Play Ground	11,88	CUM	250,00	2.970,00
<b>2.2.3</b>	<b>MASONRY STRIP FOUNDATION (GASSA)</b>				-
	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.				-
	<b>40 cm width and 50cm height</b>				
	Ditto, for NEW Block A	95,00	M.L	12,00	1.140,00
	Ditto, for NEW Block B	70,10	M.L	12,00	841,20
	Ditto, for Electrical room	14,00	M.L	12,00	168,00
	<b>60 cm width and 50cm height</b>				
	Ditto, for Children Play Ground	33,00	M.L	12,00	396,00

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<b>Ref.</b>	<b>DESCRIPTION</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price EUR</b>	<b>Amount EUR</b>
<b>2.3</b>	<b>COMPACTED SOIL REPLACEMENT FOR TOILET</b>				-
	Supply and lay selected well graded un-expansive well compacted soil with water.				-
	for under base foundation, two layers (20 cm each)				-
	Ditto, for Block T1	14,63	CUM	10,00	146,32
	Ditto, for Block T2	14,63	CUM	10,00	146,32
<b>2.4</b>	<b>Plain CONCRETE FOR TOILET</b>				-
	Supply and cast plain concrete (1:3:6) Grade 15N/mm <sup>2</sup>				-
	for latrine pit, t=100mm				-
	Ditto, for Block T1	36,58	SQM	12,00	438,96
	Ditto, for Block T2	36,58	SQM	12,00	438,96
<b>2.5</b>	<b>REINFORCED CONCRETE BASE FOUNDATION FOR TOILET</b>				-
	Supply and cast reinforced concrete mix (1:2:4) for base foundation with Fcu=25N/mm <sup>2</sup> , Deformed Bars 12mm diameter (Fy=460N/mm <sup>2</sup> )				-
	under ground, t=200mm				-
	Ditto, for Block T1	7,32	CUM	250,00	1.829,00
	Ditto, for Block T2	7,32	CUM	250,00	1.829,00
<b>2.6</b>	<b>RETAINING WALL FOR TOILET PIT</b>				-
	Supply and construct continues wall over the base foundation [40 cm width and 250 cm height], using two red bricks with cement sand mortar 1:6 as for the main building per drawings.				-
	Ditto, for Block T1	54,75	SQM	12,00	657,00
	Ditto, for Block T2	54,75	SQM	12,00	657,00
<b>2.7</b>	<b>BACKFILLING</b>				-
	Around Latrine Pit with excavated soil				-
	Ditto, for Block T1	34,45	CUM	6,00	206,72
	Ditto, for Block T2	34,45	CUM	6,00	206,72
<b>2.8</b>	<b>COMPACTED SOIL REPLACEMENT</b>				-
	Supply and lay selected well graded un-expansive well compacted soil with water.				-
	for under slab floor, one layer (20 cm)				-
	Ditto, for NEW Block A	27,15	CUM	10,00	271,51
	Ditto, for NEW Block B	20,10	CUM	10,00	200,95
	Ditto, for Electrical room	1,80	CUM	10,00	18,00
	for under interlock, two layers (40 cm)				-
	Ditto, for Children Play Ground	21,60	CUM	10,00	216,00
<b>2.9</b>	<b>REINFORCED CONCRETE UNDER FLOOR</b>				-
	Supply and cast reinforced concrete mix (1:2:4) with Fcu=25N/mm <sup>2</sup> , Deformed Bars 12mm diameter (Fy=460N/mm <sup>2</sup> )				-
	under slab floor, t=100mm				-
	Ditto, for NEW Block A	135,76	SQM	30,00	4.072,70
	Ditto, for NEW Block B	100,48	SQM	30,00	3.014,25
	Ditto, for Electrical room	9,00	SQM	30,00	270,00
<b>2.10</b>	<b>REINFORCED CONCRETE SLAB FLOOR FOR TOILET</b>				-
	Supply and cast reinforced concrete with Fcu=25N/mm <sup>2</sup> , Deformed Bars 12mm diameter (Fy=460N/mm <sup>2</sup> ) 1:2:4				-

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Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	on ground , t=200mm				-
	Ditto, for Block T1	3,27	CUM	300,00	981,60
	Ditto, for Block T2	3,27	CUM	300,00	981,60
<b>2,11</b>	<b>REINFORCED CONCRETE (Grade BEAMS)</b>				-
	Supply and cast reinforced concrete with Fcu=25N/mm <sup>2</sup> , Deformed Bars 12mm diameter (Fy=460N/mm <sup>2</sup> ) 1:2:4, Stirrup Bars 8mm diameter (Fy=250N/mm <sup>2</sup> ) beam dimension (30 cm Width, 40 cm Height)				-
	Ditto, for NEW Block A	9,00	CUM	300,00	2.700,00
	Ditto, for NEW Block B	6,73	CUM	300,00	2.019,60
	Ditto, for Electrical room beam dimension (30 cm Width, 50 cm Height)	1,68	CUM	300,00	504,00
	Ditto, for Block T1	2,35	CUM	300,00	704,70
	Ditto, for Block T2	2,35	CUM	300,00	704,70
<b>2,12</b>	<b>REINFORCED CONCRETE (Lintel BEAMS)</b>				-
	Supply and cast reinforced concrete with Fcu=25N/mm <sup>2</sup> , Deformed Bars 12mm diameter (Fy=460N/mm <sup>2</sup> ) 1:2:4, Stirrup Bars 8mm diameter (Fy=460N/mm <sup>2</sup> ) Spacing 150mm beam dimension (30 cm Width, 15 cm Height)				-
	Ditto, for NEW Block A	0,81	CUM	250,00	201,38
	Ditto, for NEW Block B	0,94	CUM	250,00	234,00
	Ditto, for Electrical room	0,06	CUM	250,00	15,75
	Ditto, for Block T1	0,17	CUM	250,00	42,75
	Ditto, for Block T2	0,17	CUM	250,00	42,75
	<b>TOTAL</b>				<b>34.640,13</b>

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Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
<b>3</b>	<b>CIVIL WORKS &amp; FINISHING</b>				
<b>3.1</b>	<b>BRICK WALL</b>				
	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.				
<b>3.1.1</b>	<b>10 cm thickness</b>				
	Ditto, for Block T1	10,37	SQM	10,00	103,70
	Ditto, for Block T2	10,37	SQM	10,00	103,70
<b>3.1.2</b>	<b>20 cm thickness</b>				
	Ditto, for Block T1	41,94	SQM	15,00	629,06
	Ditto, for Block T2	41,94	SQM	15,00	629,06
<b>3.1.3</b>	<b>30 cm thickness</b>				
	Ditto, for NEW Block A	262,50	SQM	20,00	5.250,00
	Ditto, for NEW Block B	196,35	SQM	20,00	3.927,00
	Ditto, for Electrical room	49,00	SQM	20,00	980,00
	Ditto, for Block T1	42,31	SQM	20,00	846,24
	Ditto, for Block T2	42,31	SQM	20,00	846,24
<b>3.1.4</b>	<b>60 cm thickness 50cm HEIGHT</b>				
	Ditto, for NEW Block A	20,00	M.L	25,00	500,00
	Ditto, for NEW Block B	14,00	M.L	25,00	350,00
	Ditto, for Children Play Ground	27,00	M.L	25,00	675,00
<b>3.2</b>	<b>PLASTER</b>				
<b>3.2.1</b>	<b>INTERNAL PLASTER</b>				
	Sand-cement plaster 1:5(1 cement: 5 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				
	Ditto, for NEW Block A	243,34	SQM	8,00	1.946,72
	Ditto, for NEW Block B	204,75	SQM	8,00	1.638,00
	Ditto, for Electrical room	48,50	SQM	8,00	388,00
<b>3.2.2</b>	<b>EXTERNAL PLASTER</b>				
	Sand-cement plaster 1:5(1 cement: 5 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 NEW Block A	238,92	SQM	8,00	1.911,39
	Ditto, for NEW Block B	181,94	SQM	8,00	1.455,52
	Ditto, for Electrical room	40,60	SQM	8,00	324,80
	Ditto, for Children Play Ground	43,20	SQM	8,00	345,60

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				EUR	EUR
	Ditto, for Block T1	54,20	SQM	8,00	433,60
	Ditto, for Block T2	54,20	SQM	8,00	433,60
<b>3.3</b>	<b>FLOOR TILES</b>				
	Supply and installation of porcelain files 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				
<b>3.3.1</b>	<b>INTERNAL TILES</b>				
	Ditto, for NEW Block A	79,81	SQM	20,00	1.596,25
	Ditto, for NEW Block B	62,35	SQM	20,00	1.246,90
	Ditto, for Electrical room	9,00	SQM	20,00	180,00
	Ditto, for Block T1	8,94	SQM	20,00	178,80
	Ditto, for Block T2	8,94	SQM	20,00	178,80
<b>3.3.2</b>	<b>WALL TILES</b>				
	Supply and installation of ceramic wall files . 15X15 cm, fixed by cement mortar , including grouting, all inclusive. Samples to be submitted and approved by the Work Director				
	Ditto for sinks in NEW block A	0,54	SQM	15,00	8,10
	Ditto for sinks in NEW block B	0,81	SQM	15,00	12,15
	Ditto for LAB in NEW block A	38,60	SQM	15,00	579,00
	Ditto, for Block T1	58,88	SQM	15,00	883,20
	Ditto, for Block T2	58,88	SQM	15,00	883,20
<b>3.3.3</b>	<b>SKIRTING TILES</b>				-
	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				
<b>3.3.3.1</b>	<b>INTERNAL SKIRTING</b>				
	Ditto, for NEW Block A	68,64	M.L	3,00	205,92
	Ditto, for NEW Block B	59,30	M.L	3,00	177,90
	Ditto, for Electrical room	10,00	M.L	3,00	30,00
	Ditto, for Block T1 Entrance	4,00	M.L	3,00	12,00
	Ditto, for Block T2 Entrance	4,00	M.L	3,00	12,00
<b>3.4</b>	<b>CEMENT SCREED FLOOR FINISH</b>				-
	Supply and apply cemet screed proper smooth finish for floors				
	Ditto, for NEW Block A Waiting area	60,47	SQM	6,00	362,82
	Ditto, for NEW Block B Waiting area	40,92	SQM	6,00	245,52
<b>3.5</b>	<b>WINDOWS AND DOORS</b>				
<b>3.5.1</b>	<b>WINDOWS</b>				
	Supplying and installation of new steel windows, tempereted single glaze, (6mm), transparent finish. Rate shall include all hardwares, and mosquito net as per drawings and work director approval.				
	55 x 100 cm			-	-
	Ditto, for NEW Block A	10,00	No.	150,00	1.500,00
	Ditto, for NEW Block B	16,00	No.	150,00	2.400,00
<b>3.5.2</b>	<b>VENTILATION WINDOWS</b>				
	Supply and installation of ventilation windows,metal frame with mosquito net fixed				
	120 x 40 cm				-
	Ditto, for Block T1	1,00	No.	85,00	85,00
	Ditto, for Block T2	1,00	No.	85,00	85,00
	80 x 40 cm				-

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Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	Ditto, for Block T1	2,00	No.	50,00	100,00
	Ditto, for Block T2	2,00	No.	50,00	100,00
<b>3.5.3</b>	<b>DOORS</b>				
	Supplying and installation of pvc doors. Rate shall include all hardwares, sealant in all connections with wall, as per drawings and work director approval.				
	100 x 200 cm			-	-
	Ditto, for NEW Block A	6,00	No.	180,00	1.080,00
	Ditto, for NEW Block B	4,00	No.	180,00	720,00
	Ditto, for Electrical room	1,00	No.	180,00	180,00
	80 x 240 cm				-
	Ditto, for Block T1	2,00	No.	180,00	360,00
	Ditto, for Block T2	2,00	No.	180,00	360,00
<b>3.5.4</b>	<b>NEW DOORS TOILET for disabled persons</b>				
	Supply and installation of pvc doors. Rate shall include all hardwares, silicon sealant in all connections with wall, as per drawings and site supervisor approval.				
	100 x 240 cm				-
	Ditto, for Block T1	1,00	No.	220,00	220,00
	Ditto, for Block T2	1,00	No.	220,00	220,00
<b>3,6</b>	<b>PAINTING WORKS</b>			-	-
<b>3.6.1</b>	<b>INTERNAL PAINTING</b>				-
	Applying of paint coat, in plaster surface, glossy oil paint, up to the height of 2.00 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).				-

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	Ditto, for NEW Block A	183,08	SQM	6,00	1.098,48
	Ditto, for NEW Block B	126,60	SQM	6,00	759,60
	Ditto, for Electrical room	30,00	SQM	6,00	180,00
	Ditto, for Block T1	40,40	SQM	6,00	242,40
	Ditto, for Block T2	40,40	SQM	6,00	242,40
	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 2.00 meters to the ceiling				-
	Ditto, for NEW Block A	137,31	SQM	4,00	549,24
	Ditto, for NEW Block B	94,95	SQM	4,00	379,80
	Ditto, for Electrical room	22,50	SQM	4,00	90,00
	from floor up to the ceiling				-
	Ditto, for Block T1	14,00	SQM	4,00	56,00
	Ditto, for Block T2	14,00	SQM	4,00	56,00
<b>3.6.2</b>	<b>EXTERNAL PAINTING</b>				-
	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).				-
	Ditto, for NEW Block A	256,27	SQM	7,00	1.793,90
	Ditto, for NEW Block B	198,74	SQM	7,00	1.391,18
	Ditto, for Electrical room	40,60	SQM	7,00	284,20
	Ditto, for Children Play Ground	27,00	SQM	7,00	189,00
	Ditto, for Block T1	82,84	SQM	7,00	579,88
	Ditto, for Block T2	82,84	SQM	7,00	579,88
<b>3.7</b>	<b>FALSE CEILING</b>				-
	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 etc.				-
	Ditto, for NEW Block A	79,81	SQM	16,00	1.277,00
	Ditto, for NEW Block B	62,35	SQM	16,00	997,52
	Ditto, for Electrical room	9,00	SQM	16,00	144,00
	Ditto, for Block T1	8,94	SQM	16,00	143,04
	Ditto, for Block T2	8,94	SQM	16,00	143,04
<b>3.8</b>	<b>STEPS</b>				-
	Supply and install concrete steps connecting sheded area (veranda) and toilets, all at the same level, surface ready for tiling according to works director instructions and approval.				-
	Ditto, for NEW Block A	1,00	Job	100,00	100,00
	Ditto, for NEW Block B	1,00	Job	100,00	100,00
	Ditto, for Electrical room	1,00	Job	100,00	100,00
	Ditto, for Block T1	1,00	Job	50,00	50,00
	Ditto, for Block T2	1,00	Job	50,00	50,00
<b>3.9</b>	<b>RAMP FOR WHEELCHAIR</b>				-

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Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	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 instructions and as per drawings				-
	Ditto, for NEW Block A	1,00	Job	350,00	350,00
	Ditto, for NEW Block B	1,00	Job	250,00	250,00
	Ditto, for Block T1	1,00	Job	100,00	100,00
	Ditto, for Block T2	1,00	Job	100,00	100,00
<b>3.10</b>	<b>MASHRABIA</b>				-
	Supply and installation of metallic mashrabiya (grill for shadow and view protection), composed by metallic perimeter frame, metallic grill, support and fixation on site, giving an anti-rust primer, applying two coats of paint, colour and quality has to be approved by work director. All accessories, bolts, civil work are included. For dimension and description refer to Detailed drawing. Sample must be submitted				-
	Dim. 120 x 180			-	-
	Ditto, for Block T1	5,40	SQM	35,00	189,00
	Ditto, for Block T2	5,40	SQM	35,00	189,00
<b>3.11</b>	<b>GALVANIZED GUTTER</b>				
	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 NEW Block A	18,52	M.L	18,00	333,36
	Ditto, for NEW Block B	14,30	M.L	18,00	257,40
	Ditto, for Electrical room	3,00	M.L	18,00	54,00
<b>3.12</b>	<b>PVC GUTTER</b>				
	Supply and proper installation of PVC gutter, with flashing over upstand into wall, to be properly fixed between Corrugated Metal Sheet roof and wall.				
	> Dia 100 mm (4")				
	Ditto, for Block T1	3,00	M.L	8,00	24,00
	Ditto, for Block T2	3,00	M.L	8,00	24,00
<b>3.13</b>	<b>CORRUGATED METAL SHEET ROOF</b>				-
	Supply and proper installation of the whole steel structure and new Corrugated Metal Sheets on the new steel structure (column and beam section :RHS 100x50x2, TRUSS section : RHS 100x50x2 ) including all necessary accessories as per drawings				-
	Ditto, for NEW Block A	100,00	SQM	12,00	1.200,00
	Ditto, for NEW Block B	76,83	SQM	12,00	921,90
	Ditto, for Electrical room	15,00	SQM	12,00	180,00
	Ditto, for Block T1	27,44	SQM	12,00	329,28
	Ditto, for Block T2	27,44	SQM	12,00	329,28
	<b>STEEL STRUCTURE</b>				
	Supply and proper installation of the whole steel structure (pillars, beams and purlins section :RHS 100x50x2 ), including all necessary accessories as per drawings				

**BILLS OF QUANTITIES**

**HEALTH CENTER OF AL SALAM- NUTRITION PROGRAM NEW  
CONSTRUCTION**

**Chapter 3**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	Ditto, for Children Play Ground	73,44	SQM	30,00	2.203,20
<b>3,14</b>	<b>NEW SHED</b>				-
	Supply and install of the whole steel structure for a new shed (WAITING AREA) including steel columns, main structure, secondary structure, steel beams (column and beam section :RHS 100x50x2) and cover from corrugated sheets of Zinc metal as per drawings., civil work are				-
	Ditto, for NEW Block A	76,75	SQM	30,00	2.302,50
	Ditto, for NEW Block B	49,50	SQM	30,00	1.485,00
<b>3,15</b>	<b>THERMENAL HEAT</b>				
	Supply and installing double layers aluminum foil,to be properly fixed under corrugated sheets of Zinc metal				
	Ditto, for NEW Block A	100,00	SQM	8,00	800,00
	Ditto, for NEW Block B	76,83	SQM	8,00	614,60
	Ditto, for Electrical room	15,00	SQM	8,00	120,00
<b>3,16</b>	<b>ROOF LIGHT COVERING</b>				
	Supplying and laying of light covering in local Bamboo sticks. The item includes any necessary supply and proper fixing/welded of the light steel frame on the steel structure with necessary accessories.				
	Ditto, for NEW Block A	76,75	SQM	8,00	614,00
	Ditto, for NEW Block B	49,50	SQM	8,00	396,00
	Ditto, for Children Play Ground	73,44	SQM	8,00	587,52
<b>3,17</b>	<b>INTERLOCK</b>				-
	Providing and laying factory made interlock paver 4 cm on compacted bed of fine sand and filling the joints with proper materials, finishing and sweeping extra sand, color and thickness, Color as for Site Supervisor indications.				-
	Ditto, for Landscape	333,00	SQM	8,00	2.664,00
<b>3,18</b>	<b>CURBSTONE WORK</b>				-
	Supply and installation of concrete curbstone edging around the building (except elevations which have interlock), the item includes fixing by cement mortar and grouting				
	Ditto, for NEW Block A	20,60	M.L	3,50	72,10
	Ditto, for NEW Block B	20,50	M.L	3,50	71,75
	Ditto, for Electrical room	2,60	M.L	3,50	9,10
	Ditto, for Block T1	9,07	M.L	3,50	31,75
	Ditto, for Block T2	9,07	M.L	3,50	31,75
<b>3,19</b>	<b>MEDICAL WASTE DISPOSAL</b>				-
	Construction of medical waste disposal. The item includes (150 cm length, 150 cm width, 150 cm depth) excavation for pit, supply and cast for plain concrete (1:3:6) (t=10cm), (reinforced concrete slab (1:2:4) (t=20cm) deformed bar 12mm (fy=460 N/mm2) <b>UNDER AND ABOVE BRICK WALL</b> ), the brick walls (t=20cm) height 150 cm, 4" stainless steel pipe for Chimney, 2" stainless steel pipe for Ventilation and ash doors as for drawings				-
	Ditto, for medical waste disposal as for drawing	1,00	Job	300,00	300,00
<b>3,20</b>	<b>NEW FENCE</b>				-
	Construction of fence. The item includes :(40 cm length, 40 cm width, 60 cm depth) excavation per 250 cm, supply and cast for reinforced concrete pocket foundation (1:2:4) (t=20cm) (40 cm length, 40 cm width, 40 cm thickness) fence steel system (CLD FENCING SYSTEM)				-

**BILLS OF QUANTITIES**

**HEALTH CENTER OF AL SALAM- NUTRITION PROGRAM NEW  
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**Chapter 3**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	Ditto, for Fence as for drawings	232,33	M.L	550,00	127.781,50
<b>3,21</b>	<b>ENTRANCE GATE</b>				-
	Supply and install new metal gate, properly made according to the detailed drawings, giving an anti-rust primer, applying two coats of paint, colour and quality has to be approved by work director, including hinges and locks.				-
	Supply and install new gate 390 x 200 cm.	1	JOB	300,00	300,00
	<b>TOTAL</b>				194.712,34

**To Bill Summary**

**BILLS OF QUANTITIES**

**HEALTH CENTER OF AL SALAM- NUTRITION  
PROGRAM NEW CONSTRUCTION**

**Chapter 4**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
<b>4</b>	<b>ELECTRICAL</b>				
<b>4.1</b>	<b>NEW GENERATOR</b>				
	Provide and install new generator with its steel cage, The item also includes the supply and installation of the connection cables from the generator to the main distribution board				
	30kva	1,0	JOB	#####	11.440,00
<b>4.2</b>	<b>MAIN SWITCHBOARD</b>				
	Supply, install, connect, test and commission the main distribution board as stated drawing as per final load diagram completely with all necessary accessories with labeling for all circuits:			-	-
	18 way - 63A MCCB TPN distribution board.	1,0	ML	258,02	258,02
	12 way - 160 A MCCB TPN distribution board.	1,0	ML	272,80	272,80
	Change Over Switch 200 Amps.	1,0	ML	431,20	431,20
<b>4.3</b>	<b>ISOLATORS</b>				
	Supply, install, connect, test & commission the following isolators including conduits, wiring, metal boxes and ancillary works:				
	20A Switch, 2P, Flush Mounted Switch For Auto Calve.	1,0	No.	24,25	24,25
	40A Switch, 2P, Flush Mounted Switch For A/C.	2,0	No.	28,90	57,80
<b>4.4</b>	<b>CABLES</b>				
	Supply, install, connect, test & commission the following with KSA Specifications including conduits, wiring, metal boxes and ancillary works				
	1 ( 4 x 25 mm <sup>2</sup> Cu / XLPE / SWA / PVC)	7,5	ML	6,16	46,20
	1 ( 4 x 16 mm <sup>2</sup> Cu / PVC / PVC)	15,0	ML	5,60	84,00
<b>4.5</b>	<b>SOLAR PV ARRAY: 22kVA POWER CAPACITY</b>				
	Supply, install, connect, test & commission the following isolators including conduits, wiring, metal boxes and ancillary works:				
	Solar Panel, 400 W.	24,0	No.	184,80	4.435,20
	Power Inverter 24 Vdc, MPPT.	1,0	No.	4.510,00	4.510,00
	1x 120 mm <sup>2</sup> Cu / PVC / PVC	20,0	ML	21,88	437,54
<b>4.6</b>	<b>LIGHTING POINTS &amp; FIXTURES</b>				
	Work includes provision of PVC conduits and all accessories and wiring from the point up to the distribution board.				
<b>4.6.1</b>	<b>CEILING MOUNTED LAMP</b>				
	Ditto, for NEW Block A	15,0	No.	30,54	458,10
	Ditto, for NEW Block B	11,0	No.	30,54	335,94
	Ditto, for Electrical room	2,0	No.	30,54	61,08
	Ditto, for Children Play Ground	6,0	No.	22,97	137,81
	Ditto, for Block T1	3,0	No.	19,89	59,67

**BILLS OF QUANTITIES**

**HEALTH CENTER OF AL SALAM- NUTRITION  
PROGRAM NEW CONSTRUCTION**

**Chapter 4**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price	Amount
				EUR	EUR
	Ditto, for Block T2	3,0	No.	19,89	59,67
<b>4.6.2</b>	<b>NEON LAMP</b>				
	Ditto, for NEW Block A	2,0	No.	30,54	61,08
<b>4.6.3</b>	<b>CEILING FANS</b>				
	Ditto, for NEW Block A	7,0	No.	108,59	760,13
	Ditto, for NEW Block B	6,0	No.	108,59	651,54
	Ditto, for Electrical room	1,0	No.	108,59	108,59
	Ditto, for Children Play Ground	4,0	No.	108,59	434,37
<b>4.6.4</b>	<b>EXHAUST FANS</b>				
	Ditto, for NEW Block A	1,0	No.	41,36	41,36
<b>4.6.5</b>	<b>AIR CONDITIONING</b>				
	Supply and install AC unit, according to the calculated power, including traces, cablages, ect., from approved manufactured, quality and brand approved by work director , with all the requirements and accessories.				
	Ditto, for NEW Block A	1,0	No.	968,00	968,00
<b>4.7</b>	<b>SWITCHES</b>				
	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.				
<b>4.7.1</b>	<b>10A SWITCH</b>				
	Ditto, for NEW Block A	9,0	No.	10,21	91,89
	Ditto, for NEW Block B	5,0	No.	10,21	51,05
	Ditto, for Electrical room	1,0	No.	10,21	10,21
	Ditto, for Children Play Ground	2,0	No.	10,21	20,42
	Ditto, for Block T1	3,0	No.	10,21	30,63
	Ditto, for Block T2	3,0	No.	10,21	30,63
<b>4.7.2</b>	<b>45A SWITCH</b>				
	Ditto, for NEW Block A	1,0	No.	11,97	11,97
<b>4.8</b>	<b>SOCKET OUTLET</b>				
	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 NEW Block A	47,0	No.	25,87	1.215,89
	Ditto, for NEW Block B	26,0	No.	25,87	672,62
	<b>TOTAL</b>				<b>28.269,65</b>

**To Bill Summary**

**BILLS OF QUANTITIES**

**HEALTH CENTER OF AL SALAM- NUTRITION PROGRAM  
NEW CONSTRUCTION**

**Chapter 5**

Ref.	DESCRIPTION	Quantity	Unit	Unit Price EUR	Amount EUR
<b>5</b>	<b>PLUMBING</b>				
<b>5.1</b>	<b>PLUMBING DRAINAGE SYSTEM</b>				
<b>5.1.1</b>	<b>DRAINAGE PIPES</b>				
	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 A&T1 as for drawings	61,50	ML	12,00	738,00
	Ditto for, Block B&T2 as for drawings	60,00	ML	12,00	720,00
<b>5.1.2</b>	<b>RAIN DRAIN PIPES</b>				
	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	8,00	No.	6,00	48,00
	Ditto for, Block B as for drawings	5,00	No.	6,00	30,00
	Ditto for, Block T1 as for drawings	3,00	No.	6,00	18,00
	Ditto for, Block T2 as for drawings	3,00	No.	6,00	18,00
<b>5.1.3</b>	<b>GULLY TRAP</b>				
	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 A&T1 as for drawings	7,00	No.	35,00	245,00
	Ditto for, Block B&T2 as for drawings	6,00	No.	35,00	210,00
<b>5.1.4</b>	<b>SOAK PIT</b>				
	Making soak pit 1.5 x 1.5 m depth 3m dry bricks of class designation 75 S.W drain pipe 50mm diameter, complete as per standard design	1,00	Job	1.500,00	1.500,00
<b>5.2</b>	<b>STEEL SINK</b>				
	Steel Sink shall be complete with chromium plated, mixing (GROHE) tap PVC bottle trap isolating valves and all necessary fittings. for completed work as for Site Supervisor indications.				
	Ditto, for NEW Block A	1,00	No.	150,00	150,00
<b>5.3</b>	<b>WATER CLOSET</b>				

	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 accessories ....etc. for complete work as specification and Site Supervisor approval.				
	Ditto, for Block T1	2,00	No.	150,00	300,00
	Ditto, for Block T2	2,00	No.	150,00	300,00
	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 accessories ....etc. for complete work as specification and Site Supervisor approval.				
	Ditto, for Block T1	1,00	No.	150,00	150,00
	Ditto, for Block T2	1,00	No.	150,00	150,00
<b>5.4</b>	<b>WASH BASIN</b>				
	Supply and Install Wash Basin from approval manufacture C/W tap, angles valve, flexible pipes, drain ...etc and all necessary accessories for complete work as per specifications, drawings and work director approval				
	Ditto, for NEW Block A	3,00	No.	150,00	450,00
	Ditto, for NEW Block B	3,00	No.	150,00	450,00
<b>5.5</b>	<b>COMPLETE ABLUTION POINT</b>				
	Execution of an ablution area, located near the toilets, as per drawing. Ablution composed by, n.3 stool/seets, done by bricks plastered and cladded by ceramic tile. Including the ceramic wall tiles. Including all connections, taps etc. The item will be considered complete in all	2,00	Job	600,00	1.200,00
<b>5.6</b>	<b>VENTILATION PIPES</b>				
	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				
	Ditto for, Block T1 as for drawings	13,05	ML	6,00	78,30
	Ditto for, Block T2 as for drawings	13,05	ML	6,00	78,30
<b>5.7</b>	<b>PLUMBING WATER SUPPLY SYSTEM</b>				
<b>5.7.1</b>	<b>WATER PIPES</b>				
	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 A&T1 as for drawings	58,90	ML	5,00	294,50
	Ditto for, Block B&T2 as for drawings	50,30	ML	5,00	251,50
	> Dia 12.5 mm (0.5")				
	Ditto for, Block A&T1 as for drawings	5,50	ML	3,00	16,50
	Ditto for, Block B&T2 as for drawings	5,50	ML	3,00	16,50
<b>5.7.2</b>	<b>ELEVATED WATER TOWER STRUCTURE</b>				
	Supply and erect an elevated tower including the excavation, the compacted soil, the plain concrete, the reinforced concrete beam, the steel structure with proper connections and weldings with all necessary accessories as for drawings. The contractor will complete all structural details missing following the Site Supervisor indications and approval.				

Ditto for, elevated water tank	1,00	Job	2.500,00	2.500,00
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<b>5.7.3</b>	<b>PLASTIC WATER TANK</b>				
	Provide and install elevated water tank of capacity 3 m <sup>3</sup> (Tana) supported on steel tower of 6m high all to be approved by site engineer				
	Ditto for, external area as for drawings	1,00	Job	500,00	500,00
	Provide and install ground water tank of capacity 1 m <sup>3</sup> (Tana) all to be approved by site engineer				
	Ditto for, external area as for drawings	1,00	Job	350,00	350,00
<b>5.7.4</b>	<b>TRANSFER WATER PUMP</b>				
	Provide and install booster pump of approved manufactures (PENTAX -Italy) (Q = 1 L/S , H = 25 m , 1 hp) With all accessories including pressure switch automatic, gate valves, non-return valves etc. to supply water to elevated tank				
	Ditto for, external area as for drawings	1,00	Job	150,00	150,00
<b>TOTAL</b>					<b>10.912,60</b>

**To Bill Summary**

**BILLS OF QUANTITIES**

**HEALTH CENTER OF AL SALAM- NUTRITION  
PROGRAM REHABILITATION**

<b>Chapter S</b>				
<b>Ref.</b>	<b>DESCRIPTION</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price EUR</b>
<b>S</b>	<b>SAFETY AND INSURANCE</b>			
<b>S.1</b>	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 Cconditions & Special Conditions; monitoring			
		1	Job	2.000,00
<b>TOTAL</b>				

**To Bill Summary**

<b>Amount</b>
<b>EUR</b>
2.000,00
<b>2.000,00</b>