

S/R	Item Description	Unit	Quantity	Unit Cost AFN	Total Cost AFN	Unit Cost Euro	Total Cost Euro	Remarks
Preparatory Works								
1	Mobilization and Site Preparation	Ls	1.00					
2	Grabbing, cleaning and preparation of the site, removal of shrubs and bushes	Ls	1.00					
3	Installation of temporary facilities-enclosure, office, warehouse, portable toilet, fabrication place, material yard, Installation of scaffolding and etc.	Ls	1.00					
4	Benchmarking and setting out including earth grading and complementary works.The site to be sloped (shaped) in a manner to easily drain the water away from buildings.	Ls	1.00					
5	Supplying temporary electricity and water for the works.	Ls	1.00					
6	Demobilization	Ls	1.00					
Subtotal					-		-	
ZTC Building Works								
Earth Work								
7	Excavation of trenches for strip foundations including removal of excavated material and depositing on site.	m3	960.00					
8	Filling around foundations and under floor slabs, ramp, stair and walkways with excavated soil including compaction.	m3	790.00					
9	Filling of 100 mm thick gravel base course under floor slabs ramp, stair and walkways with excavated soil including compaction.	m3	200.00					
Thermal and Moisture Protection								
10	0.1mm thick polyethylene film vapor barrier laid under surface bed .	m2	1,200.00					
11	Water Insulation 2 layer Bitumen paper, Bitumen in WC and bath, Kitchen, basement wall and Roof	m2	1,500.00					
Concrete Work								
12	PCC M-150(15N/mm ²) of concrete walkways, rumps, steps, under footings and bedroom floors	m3	150.00					
13	RCC M-280(28N/mm ²) for Foundation, columns, stairs, beams, shear wall and slabs	m3	710.00					
Wall Brick Masonry								
14	100 mm and 200 mm thick brick masonry partition walls	m3	485.00					
15	Insulation Polystyrene D20 of 5cm thick in the exterior walls	m2	1,050.00					
Roofing Work								

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16	Roofing contains of 10 cm Polystyrene D20 for insulation, 50mm Soil material for covering the D20 and sloping, 50mm PCC (50mm M-150) on top of soil to providing surface for Isogamete material on top of it as per drawaing.	m2	1,050.00					
Plaster & Gypsum Work								
17	25mm thick of plastering (cement and sand 1:5) with control joints to outside and inside wall surfaces	m2	4,500.00					
18	15mm thick of gypsum on ceiling of roof slab	m2	1,600.00					
Doors , windows & Cabinet								
19	PVC Doors and windows with installation, accessories and Aluminum Fly Screens and double glass 6mm with all required activities. They should be equipped with grab bar or frame ironmongery from inside. External windows must have blast film to avoid air contamination in case of a break	m2	450.00					
20	Roof window as per drawing	m2	6.00					
21	MDF Cabinet in kitchen	m2	18.00					
Painting Work								
22	Prepare and apply one coat of primer and two coats of Acrylic Emulsion Paint for exterior use of approved colour and quality to rendered external surfaces of plaster and concrete.	m2	1,350.00					
23	Prepare and apply one coat of primer and two coats of Plastic Emulsion Paint for of approved colour and quality to rendered internal surfaces of plaster and concrete.	m2	3,150.00					
24	Prepare and apply one coat of Plastic Paint for of approved colour and quality to celing of roof slab.	m2	1,600.00					
Tile Work, Marble stone, Hand rail for stairs								
25	Ceramic M400 (25x25cm) in WCs, Lobbies, Bathroom and Dining rooms	m2	550.00					
26	Wall Tiles M400 (25x40cm) in WCs, Bathroom and Dining rooms	m2	450.00					
27	WC and Bathroom roof PVC	m2	74.00					
28	Marble stone of pre-approved quality as per Engineer's instruction for staircase	m2	300.00					
29	Aluminum rail for staircase	m	79.00					
Electrical Work								

S/R	Item Description	Unit	Quantity	Unit Cost AFN	Total Cost AFN	Unit Cost Euro	Total Cost Euro	Remarks
30	large size cable (4 x 4 mm ²) For (PP1) Feeder	m	482.00					
31	large size cable (4 x 25 mm ²) for power system	m	38.00					
32	large size cable (4 x 16 mm ²) for power system	m	40.00					
33	wire (stranded) 1(1C x 2.5 mm ²) for power system	m	2,286.00					
34	wire (stranded) 1(1C - 1.5 mm ²) for lighting system	m	3,830.00					
35	wire (stranded),(1 x 12 mm ² insulated) for ground with all required activities	m	9.00					
36	copper ground rod 20 m x 3 m	No	3.00					
37	copper plate for ground (Sec. A = 50 x 200 mm) t=2-4mm	m	3.00					
38	Main switch three phase (200 A/ph)	Set	1.00					
39	Circuit breaker for power (30 A)	No	15.00					
40	Circuit breaker for power (20 A)	No	32.00					
41	Circuit breaker for power (16 A)	No	97.00					
42	Circuit breaker for power (10 A)	No	26.00					
43	switch one pole (6 A)	No	116.00					
44	switch Double pole (6 A)	No	32.00					
45	outlet box circulate, (waterproof outlet box circulate 20 A)	No	20.00					
	outlet box circulate 20A	No	240.00					
46	Sleeping lamps (5 W)	Set	36.00					
47	Neon Lamps (single-rod Florescent lamp),(50 W)	Set	195.00					
48	Neon Lamps (single-rod Florescent lamp),(42 W)	Set	17.00					
49	Neon Lamps (single-rod Florescent lamp),(18 W)	Set	26.00					
50	Smoke Detectore	Set	72.00					
51	Fire Alarm pull station	Set	20.00					
52	Thermal Detectore	Set	3.00					
53	Pole mounted exterior lighting fixture 220 V ,150 HPS, 50 HZ photocell controlled	Set	18.00					
54	Perimeter Wall 250 W LAMP , 220 V, 50 HZ Water proof	Set	7.00					
55	Air-condition 9000 Btu	Set	42.00					
56	fuse box for panel-board (3 stage)	Set	5.00					
57	Exhaust fan 20x20	Set	2.00					
58	Exhaust fan 30x30	Set	2.00					
59	Make up Air Fan 150x950	Set	2.00					
60	PVC conduit , Flexible conduit (d=20mm)	m	6,120.00					
62	Water Air Cooler Machine 8000 W	No	2.00					
63	Exhuast duct as per drawing	m	74.00					

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64	Exhuast opening duct 20x20 as per drawing	No	4.00					
65	Exhuast opening duct 30x30 as per drawing	No	20.00					
66	Cooler duct as per drawing	m	60.00					
67	cooler opening duct as per drawing	No	13.00					
Plumbing Work								
68	Western Water closet with flush tank complete as per Engineer's instruction	No	5.00					
69	Eastern Water closet with flush tank complete as per Engineer's instruction	No	7.00					
70	Wash basin with hot and cold water tap(complete set)	No	19.00					
71	Shower Pan	No	5.00					
72	Stainless steel drinking water cooler with two taps	No	5.00					
73	Portable drinking water cooler	No	2.00					
74	Boiler 80 liters	No	6.00					
75	Mirror 60 x 90 cm	No	19.00					
76	Floor drain	No	18.00					
77	Clean out	No	6.00					
78	Faucet simple tap	No	45.00					
79	Faucet mixed water	No	26.00					
80	Green pipe 2 inch	m	63.00					
81	Green pipe 1 inch	m	147.00					
82	Green pipe 3/4 inch	m	138.00					
83	PVC pipe 6 inch	m	60.00					
84	PVC Pipe 4 inch	m	100.00					
85	PVC Pipe 3 inch	m	105.00					
86	PVC Pipe 2 inch	m	100.00					
87	Soap dispenser	No	5.00					
88	Towel dispenser	No	5.00					
89	Cleaner's sink should be of kitchen style sink; with enough depth. Stainless steel sigle bowl or equivalent quality is prefeerrable. Drainer and all other requirements are included in this item	No	1.00					
90	Paper roll holder	No	20.00					
91	Iron Water reservoir for domestic uses 12 CUM capacity	No	1.00					
92	Iron Water reservoir for drink uses 3.5 CUM capacity	No	1.00					
93	Italian water pump 2 inch (1.5 KW , 2 HP , 10.1 A)	No	3.00					
94	Italian water pump 1 inch (0.37 KW , 0.5 HP , 2.5 A)	No	2.00					

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95	Piping system for water and sewer including all fittings, tools, necessary material for welding, joining, testing as per direction of Engineer	Ls	1.00					
Miscellaneous Work								
96	Down Spouts (GI sheet 24 gage 10X15 cm)	m	260.00					
97	Second floor emergency steel stairs	Ls	1.00					
98	Fire extinguisher	set	7.00					
Subtotal					-		-	
Septic Tank								
98	Excavation of septic tank including removal of excavated material and depositing on site.	m3	128.00					
99	Filling with excavated soil including compaction above slab of Septic tank to Ground Level as per drawing	m3	52.20					
100	Filling of 100 mm thick gravel base course	m3	3.30					
101	PCC 15MPA under footings & under natural ground level	m3	3.30					
102	RCC 25MPA for foundation, slab, walls and manholes	m3	40.00					
103	GI pipe 100mm as per drawing	No	4.00					
104	water stop	m	18.40					
105	Ladder with installation as per drawing	m	10.00					
106	Heavy duty cast iron cover and frame as per drawing	Set	2.00					
Subtotal					-		-	
Generator Pad								
107	Excavation foundations including removal of excavated material and depositing on site.	m3	14.00					
108	Filling around foundations and under floor slabs including compaction.	m3	6.00					
109	capillary water barrier laying under floor slab	m3	3.12					
110	PCC M-150(15N/mm ²) of floor concrete w/ trowel finish, etc.	m3	1.60					
111	RCC M-200(20N/mm ²) for Footing, Short Columns and Floor slab as per drawing	m3	11.00					
112	Box iron 100x100x3mm for Columns	m	28.00					
113	angle iron 60x60x6 mm for stiffing coulumn to Base plates	No	32.00					
115	base pleat 220x220x10 mm with Ancour bolt	No	8.00					
116	Perimeter fence work including the fence post, concertina, bar bed wire and 2x2 entrance door as per drawing for generator pad	m	16.00					
117	Roof Truss as per drawing	m2	34.00					
	52KW Generator, 58 KVA (Parcins made in England)	No	1.00					

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	Prepare and apply one coat of Anti-Zinc and two coats of oil paint for all coulms, and roof truss as per drawing	Ls	1.00					
Subtotal					-		-	
Water Reservoir								
118	Excavation for underground water reservoir including removal of excavated material and depositing on site.	m3	56.00					
119	Filling and compaction above water reservoir up to ground level.	m3	1.50					
120	PCC M-150(15N/mm2)	m3	1.50					
121	RCC M-210(21N/mm2) including 100 mm thick concrete ground floor w/ trowel finish.	m3	20.00					
122	PVC pipe (2 inch dia) including necessary fixtures	m	2.50					
123	water stop	m	15.00					
124	Heavy duty cast iron cover and freme as per drawing	No	1.00					
Subtotal					-		-	
Perimeter Wall								
125	Excavation of trenches for strip foundations including removal of excavated material and depositing on site.	m3	210.00					
126	Filling around foundations	m3	42.00					
127	PCC M-150(15N/mm2) of floor concrete w/ trowel finish, etc.	m3	31.00					
128	RCC M-210(21N/mm2) for slabs and columns as per drawings	m3	101.00					
129	200mm thick brick masonry walls with mortar(1:5 Cement - Sand)	m3	252.00					
130	25mm thick plastering (cement and sand 1:5) with control joints to inside and outside surfaces	m2	2,170.00					
131	Prepare and apply one coat of primer and two coats of Acrylic Emulsion Paint for exterior use of approved colour and quality to rendered external surfaces of plaster and concrete.	m2	2,170.00					
132	Painting Sliding gate as per drawing and instruction of Engineer	No	1.00					
133	Barbed wire and conertina wire at top of perimeter wall as per drawing and instruction of Engineer	m	350.00					
134	Sliding gate as per drawing and instruction of Engineer	No	1.00					
Subtotal					-		-	
Latrine								
135	Excavation of trenches for strip foundations including removal of excavated material and depositing on site.	m3	26.09					

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136	Filling around foundations and under floor slabs, ramp, stair and walkways with excavated soil including (if suitable) including compaction.	m3	12.15					
137	Filling of 100 mm thick gravel base course under floor slabs ramp, stair and walkways including compaction.	m3	4.14					
138	PCC M-150(15N/mm ²) of floor concrete w/ trowel finish, etc.	m3	2.30					
139	RCC M-200(20N/mm ²) for slabs and columns as per dwgs and specs	m3	28.00					
140	200mm thick brick masonry walls	m3	41.00					
141	Roofing contains of 50mm Soil material for leveling and sloping, 50mm PCC (50mm M-150) on top of soil to providing surface for Isogame material on top of it as per drawaing.	m2	65.00					
142	15mm thick plastering (cement and sand 1:5) with control joints to inside and outside surfaces	m2	210.00					
143	PVC Doors and windows with installation, accessories and Aluminum Fly Screens and glass 6mm with all required activities. They should be equipped with grab bar or frame ironmongery from inside. External windows must have blast film to avoid air contamination in case of a break	m2	22.00					
144	Prepare and apply one coat of primer and two coats of Acrylic Emulsion Paint for internal and exterior use of approved colour and quality to rendered external surfaces of plaster and concrete.	m2	210.00					
145	Ceramic Wall Tiles M400 (25x40cm) in WCs, Nutrition Room w/ h=1.5m around, and around the sinks (1.5mx2m), Terrazzo Floor Tile M350 (25 x25) cm	m2	130.00					
146	Down Spouts (GI sheet 24 gage 10X15 cm)	m	6.00					
147	Water closet with flush tank	No	10.00					
148	Lavatory with hot and cold water tap Washing basin sink complete set), Mirror 60 x 80 cm	No	3.00					
149	Plumbing shall include installation and connection work either to septic sewer line or water line complete as per requirements and instruction of Engineer (2000 liter water tank, water heater Media 80 liter, green pipe for water and PVC pipe for sewer)	LS	1.00					

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150	Electrical work shall consist of wiring, switches, sockets, cable 3*2.5 and 4*4 for water heater and other fixtures complete as per drawing and instruction of Engineer	LS	1.00					
Subtotal					-		-	
Guard Room								
159	Excavation of trenches for strip foundations including removal of excavated material and depositing on site.	m3	5.40					
160	Filling around foundations and under floor slabs, ramp, stair and walkways with excavated soil including (if suitable) including compaction.	m3	2.50					
161	Filling of 100 mm thick gravel base course under floor slabs ramp, stair and walkways including compaction.	m3	0.50					
162	PCC M-150(15N/mm ²) of floor concrete w/ trowel finish, etc.	m3	0.70					
163	RCC M-200(20N/mm ²) for slabs and columns as per dwgs and specs	m3	5.50					
164	200mm thick brick masonry walls	m3	8.00					
165	Roof Truss as per drawing	m2	10.50					
166	15mm thick plastering (cement and sand 1:5) with control joints to inside and outside surfaces	m2	49.00					
167	PVC Doors and windows with installation, accessories and Aluminum Fly Screens and glass 6mm with all required activities. They should be equipped with grab bar or frame ironmongery from inside. External windows must have blast film to avoid air contamination in case of a break	m2	4.70					
168	Prepare and apply one coat of primer and two coats of Acrylic Emulsion Paint for internal and exterior use of approved colour and quality to rendered external surfaces of plaster and concrete.	m2	50.00					
169	Down Spouts (GI sheet 24 gage 10X15 cm)	m	4.00					
170	Electrical work shall consist of wiring, switches, sockets, cable 3*2.5 and 4*4 for water heater and other fixtures complete as per drawing and instruction of Engineer	LS	1.00					
Subtotal					-		-	
Subtotal								
Grand Total								