



MEDICAL AID FOR PALESTINIANS

Project Name		Rehabilitation and maintenance work for Al-TADAMOUN center				
No	Description	unit	Quantity	unit price\$	Total price\$	Comments
CONCRETE WORK						
1	Provide and concrete RC lintels of size 20*10 cm use steel 4T10 and st.Dia 6mm @20 cm .Concrete mix cement 350 kg/m3 gravel and sand as defined above , work include to cut in block wall in order install the concrete lintels	mr	1.5			
2	Provide and cast RC as follows descriptions: 1- RC column of section 30*20 cm with steel reinforcement 6T12 L= 3.20 m & stirrups dia 6 mm @ 20 cm , NO 2 columns , including cutting in block wall size 30*80 cm for each column & required to insert the steel R. in conc. Slab by epoxy .Height of each column =2.80 m . 2- RC lintel of sec .40*20 with steel R. 6T14 L=4.00m & stirrups dia 6 mm@ 20cm.Length of lintel =4.00m . 3- RC lintel of sec. 20*20 cm over block handrail with steel R. 4T12 L= 4.00m & stirrups dia 6 mm@ 20 cm . Length of lintel = 3.40 m . 4-R.C foundation of size 1.00*1.00*0.4 m (including excavation & remove debris) of steel reinforcement T 14@15 cm U Shape both directions , top and bottom . 5- RC column of sec. 40*25 cm and H= 3.00 m (S.R 8T14 L= 4.00 m) & stirrups Dia 6 mm @ 20 cm , with nib over the top of column of sec. 40*30 cm of L= 75 cm (same reinforcement as column) . Knowing that concrete mix is 350 kg cement with 0.8 m3 gravel , 0.4 m3 sand and w/c=0.5 . work should be done as per engineer instruction	item	1			
BLOCK WALLS WORK						
3	Supply and replace block walls 15cm thick by solid block 15 cm thick for plant area , complete with demolish and remove damaged block outside . Work include to make key in the adjacent wall in order to tied the block courses . Mortar mix shall consist of cement and sand in proportion of 1:4 by volume work will be as per instraction of engineer .Measurement will be in square meter .	m2	5			

4	Supply and replace block walls 15cm thick , complete with demolish and remove damaged block walls . Work include to make key in the adjacent wall in order to tied the block courses . Mortar mix shall consist of cement and sand in proportion of 1:4 by volume work will be as per instraction of engineer .Measurement will be in square meter .	m2	3			
PLASTERING WORKS						
5	provide and apply internal plastering (dash coat, rough coat and smooth coat) with good troweled finish(straight guided plaster) for block walls and ceilings . Surfaces to be plastered shall be cleaned from dust and loose motar in case of reparing old plaster should remove all damaged plaster.Thickness of rough coat and smooth coat not more than 1.5cm for each coat . Contractor shall provide all plant scaffolding planks ...etc . Measurement shall be in meter square , only opening less than 0.5m2 will be assumed close , more than 0.5m2 will be deducted . work will be satisfactory to DOW ..	m2	40			
6	Ditto - external plastering	m2	33			
PAINTING WORKS						
7	Provide and apply internal emulsion paint for walls and ceiling 1/2 caotchouc type dutch boy . Surfaces to be painted should be dry and free from dust , dirt or condension ,in case of painting old walls should make repair for cracks ,removing damaged painting and made good finish then apply one coat primer then two coats of sufficiant amount of putty where needed then apply three coats emulsion paint . Work include to remove and dismantle false ceiling in one room 4.00*4.00 m + cart away the resulted material outside. Measurement in m2 and work shall be satisfactory to DOW.	m2	316			
8	Ditto -External oil paint for walls and ceilings	m2	162			
9	Provide and apply roll paint type duch boy complete with surfaces to be painted should be dry and free from dust , dirt or condension ,in case of painting old walls should make repair for cracks ,removing damaged painting and made good finish then apply primer then roll paint material . Measurement in m2 and work shall be satisfactory to DOW . Color will be selected according to management requirment .	m2	65			

10	Provide and apply isolated FOREVER EXTERIOR Dutch boy or Sika exterior isolated paint , to be applied by roller to form an approved texture . Surfaces to be painted should be dry and free from dust , dirt or condensation and should be repaired by removing any damaged plaster and treated by proper plastering as requirement ,then apply primer then isolated material as per manufacturer recommendations . Contractor shall provide all required scaffolding and planks for 2 floors .Measurement in m2 and work shall be satisfactory to DOW . Color will be selected according to management requirement .	m2	119			
TILING WORK						
11	Provide and replace porcelain tiles type spain or italy for walls, work should be done in a proper manner as engineer instructions . Mortar mix shall be 1:3 cement and sand plus to add SPR in proportion 1part SPR to 4 parts water by volume.Measurement shall be in meter square .Samples showing quality and color for porcelain tile should be submitted to DOW for approval prior to commencement of work.Work include to remove debris outside .	m2	43			
12	Provide and replace floor ceramic tiles type spain or italy complete with backfilling material of good quality , work include remove debris outside the site . Mortar mix shall be 1:3 cement and sand plus to add SPR additive in proportion 1part SPR to 4 parts water by volume .Measurement shall be in meter square . Samples showing quality and colors of tile should be submitted to DOW for approval prior to commencement of work.	m2	103			
13	Provide and install ceramic skirting type spain and to be fixed by approved adhesive material or mortar according to site condition , surfaces should be prepared before application ,complete with grouting . Work should be done in proper manner and satisfactory to DWO	mr	75			
14	Provide and replace marble threshold of the thickness 2cm and average size(80*10cm) type india galaxy complete with polishing two sides and from top , work done in a proper manner and to the approval of D.O.W installation shall be done by adhesive material or mortar according to site condition .	No	4			

15	Provide and replace floor terrazzo tile similar to existing tiles complete with polishing including backfilling material and remove debris from site . Mortar mix shall be 1:3 cement and sand plus to add SPR additive in proportion 1 part SPR to 4 parts water by volume .Measurement shall be in meter square . Work should be satisfactory to DOW .	m2	3			
16	Provide and install egyptian (beige color) polished marble of thickness 2 cm for steps at staircase at 1st Floor consist of riser 10.5cm and tread 33 cm and average length = 90 cm. Work should be satisfactory to DOW .	No	8			
17	Provide and install marble coping of the thickness 2cm and average width 15 cm type egyptian beige color complete with polishing two sides and from top work done in a proper manner and to the approval of D.O.W installation shall be done by mortar material (white cement mixed with powder crushed stone and water) of approved quality.	mr	10.5			
18	Provide and replace the existing marble sink by marble sink type Indian black galaxy . Work include to provide and install vertical exposed side support to be of same type indian galaxy and internal vertical supports may local type of thickness 3 cm plus to provide chrome sink mixer type Turkey and outlet with drain pipe .Samples shall be submitted to the D.O.W for approval . Height of sink equal 90cm and width 52cm <u>including installation the base of the sink of height 10 cm</u> . Work shall be done in a proper manner and to satisfactory of D.O.W . Work include remove debris from site .	mr	2.9			
CARPENTRY WORKS						
19	Dismantle and remove wooden door of size 100*180 cm	item	1			
DRAINAGE WORKS & Sanitary fittings						

20	provide and replace drainage pipe system for bathroom of size 210*114 cm at 1st floor , complete with all accessories PVC pipes 4" , manholes , drain , elbo ,Tetc and all connections to sanitary fittings (wc seat & washbasin) ,with connection to outside drainage pipe . Work shall be done in proper mannar and satisfactory to DOW .The system of pipes shall be protected by mortar and tested.Work include to prepare the concrete floor of bathroom and sides by plastering 20 cm in vertical walls and to make motar angle filt 5*5 cm then to apply PU isolation material (good quality)for floor and plastered 20 cm in walls. Work should be satisfactory to DOW .	item	1			
21	provide and replace drainage system for bathroom (knowing that the bathroom at GF will have 2 WC seats , one arabic & and other European) and drain should be connected for kitchen at ground floor, complete with all accessories PVC pipe 4" , manholes drains , elbo ,Tetc with connection to main drainage pipe . Work shall be done in aproper mannar to the satisfication of D.O.W .The drainage connections shall be tested and protected by mortar. Average size of bathrooms 245*187 cm .	item	1			
22	Provide and replace <u>plastic water tank</u> capacity 2m ³ of 3 layers type Somoplast , complete with replace all water distribution pipes externally and internally for _bathroom at 1st floor , external pipes and internal pipes type PPR 25 mm , complete with over flow pipe 3/4 "and float valve . It is required to install the internal pipes inside the block walls and should be tested, complete with all accessories and connections T, elbowetc for all sanitary fittings (European WC ,washbasin water heater and mixer). Work shall be done in proper manner . Samples should be submitted to D.O.W for approval . Size of bathroom 210*114 cm .	item	1			
23	Provide, replace and regulate water distribution pipes inside walls of _bathroom at G. floor , internal pipes type PPR 25 mm . It is required to install the internal pipes inside the block walls , complete with all accessories and connections T, elbowetc for all sanitary fittings (European WC ,washbasin water heater and shower mixer)plus to install pipes for sink mixer in kitchen. Work shall be done in proper manner . Work should be satisfactory to D.O.W	item	1			

24	Provide and replace European W.C seat type lecico white color complete with rinser , rigid W.C seat cover ,flushing cistern with mechanism type Itani and all accessories , flexible pipes and CHROME valve 1/2". Work will be done in a proper manner and to the approval of D.O.W . Samples shall be submitted for approval by the D.O.W	No	2			
25	Provide and replace washbasin 60cm type Lecico white color , complete with chrome mixer type Turkey with all required accessories , flexible pipes , 1/2" valve chrome for each connection . Work include to install ceramic shelf 60 cm, mirror of thickness 4 mm 40*60 cm and toilet paper holdr . Work should be done in a proper mannar and to be satisfactory to D.O.W . Sample shall be submitted to D.O.W for approval .	No	2			
26	Provide and replace chrome water tap of good quality type turkey with all required accessories and to the approval of DOW .	No	1			
27	Provide and replace Arabic W.C seat type lecico white color complete with rinser and all required accessories . Work will be done in a proper manner and to the approval of D.O.W . Samples shall be submitted for approval by the D.O.W	No	1			
28	provide and install water heater 80 liter (thickness the body bottol heater 3 mm) in the bathroom at G.F & 1st. F , complete with required accessories and connections to electric power with circuit breaker, work will be done in proper manner and to satisfication to D.O.W. The heater should be ready fabricated and to be installed on the walls of bathrooms in vertical position .Complete with all pipes connections , chrome valves 1/2 " No 2, resistance, automatic and flexible pipes .	No	2			
29	Provide and install shower mixer chrome type Turkey (chrome) complete with telephone shower and all accessories and connections . Work shall be done in a proper manner and to the approval of D.O.W . Sample should be submitted to D.O.W for approval	No	2			
30	Provide and install chrome manhole and drain covers 20*20 cm of good quality type Itany ,and to the approval of DOW	No	6			
31	Provide and replace water drain pvc pipe 3 " of local quality 3 mm thick, at 2 nd floor to ground floor L= 7 m , work include all required accessories . Work should be satisfactory to DOW	item	1			

ELECTRICAL WORKS						
32	Provide and install electric ordinary lamp complete with installing pvc conduits into the block walls ,lamp holder ,led lamp 15w. Electric wires of type liban cables , thickness of electric wires shall be 2mm for light , switch shall be type NOOR (Syrian) samples shall be submitted to D.O.W for approval work will be as per specification	No	3			
33	Provide and replace the existed lamps by led lamps 60*60 cm type classic light 60 W type ceiling mounted, complete with all required electric wire connections, cash cables and switch type Noor, samples shall be submitted to D.O.W for approval . Work should be satisfactory to DOW .	No	2			
34	Provide and install electric exhust fans size 21*21 cm in bathrooms at GF & 1ST f of good quality available in the market ,which it will be installed inside PVC pipe 6 "Dia to be extended through the walls to outside of the bathrooms,work include connection each fan to electric switch and to cover the PVC pipe by plastic decor ,work should be done in proper manner and satisfactory to DOW .	No	2			
35	Maintenane for main electric distribution board at kitchen in order to be protected from leakage of water . .Work should be satisfactory to DOW .	item	1			
ALUMINUM WORKS						
36	Supply and replace steel window size 75*75 cm by aluminum window type sedum 2000 of profile 9.5cm of size 75*100 cm, complete with all accessries ,work include metal mosquito mesh with frame and steel defence also include cutting in block walls to produce new size 75*100 cm plus plastering the soffits of the window .Glazing should be mist reinforced glass by steel wire mesh and of thickness 5 mm . Work should be satisfactory to DOW.	item	1			
37	Provide and install aluminum panels shutters under sink type UAE profile 3*3 cm, color as per management requirement complete with all required accessories and necessary ironmongery and hardware's , size 214*80 cm consist of 4 shutters and unit set of drawers consist of 3 drawers. Sample shall be submitted to the D.O.W for approval .	mr	2.14			

38	Provide and replace steel big façade 4*2.4 m by aluminum façade of total size 3.40*1.80 m , consist of fixed upper part of size 3.40 *0.60 m with aluminum stiffners and lower part to be divided into two windows each 1.70 * 1.20 m , knowing that aluminum should be type sidum 2000 of profile 9.5 cm complete with all required accessories ,painted steel defense of size 3.4*1.8 m, metal mosquito mesh with frame and mist glass with steel wire mesh reinforcement . Work should be satisfactory to DOW .Measurement will be in m2 .	m2	6.12			
39	Provide and install Aluminum partition between two WC seats in bathroom at GF white color type UAE 3*3 cm of elevation size 100*160 (L*H) , complete with two columns 3*3 cm of height 2.00 m and Aluminum frame with stiffnered fiber panel inside the frame for the partition and should be raised 10 cm from floor level . Work include all required accessories and should be done in proper manner and satisfactory to DOW .	item	1			
40	Provide and install PVC folded door of good quality of size 120 *150 cm white color, complete with suitable frame and should be raised from floor tile level by 10 cm . Work should be done in proper manner , sample for quality and color to be submitted for approval .	item	1			
STEEL WORKS						
41	Maintenance for existing steel drain gully of length 5.00 m , complete with replacing the location of steel pipe sleeve by shifting from side location to bottom location by sleeve Dia 3 " and the gully should be installed in proper slope . Work include to provide and install PVC pipe 3" of length 7 m with all required accessories and connections .	item	1			
42	Replace the existing corrugated zinc sheets by new coated from bottom by white color corrugated galvanized zinc sheets of thickness 0.5 mm same as existed corrugation shape, complete with all required accessories for fixation and hardwares . Work should be done in proper manner and satisfactory to DOW . Old zinc sheets to be collected as per KG management instructions .	m2	67			

43	Provide and replace steel doors of size 87*205 cm , complete with painting oil paint type dutch boy , new lock type f-f (italy) with handles and required to have an opening built in the door shutter 40*40 cm with mist glass reinforced by steel wire mesh plus steel defense . Work should be done in a proper manner . Steel sections for frame and door shutter should be consist of suitable hollow section steel .Work should be satisfactory to D.O.W .	No	2			
44	Maintenance for steel door at G .floor size 100*185 cm complete with painting type duch boy and replacing the lock by new one type f-f good quality (Italy) plus external steel knob . Work shall be satisfactory to D.O.W .	No	3			
45	Painting for steel doors of size 100*200 cm type Datch boy .Work should be satisfactory to DOW .	No	1			
46	Replace steel manhole cover by new painted steel cover of size 30*30 cm at G.F complete with steel angle frame 3*3 cm .Work should be done in proper manner .	No	1			
47	Provide and replac external steel main door of size 100*180 cm by new painted steel door of size 125*220 cm (Frame and shutter should use suitable hollow section steel) , work include cylinder lock type f-f of good quality and external steel knob , plus include to cut and remove block wall, concrete column and lintel for old door and required to rebuilt the new RC column & lintel according to engineer instruction(Column conc. sec. 20*20 cm , H=2.20 m (SR 4T12 with srirups Dia 6 mm @ 20 cm) with RC footing 50*50*20 cm & linte conc. sec 20*20 cm with (S.R 4 T12 with stirrups dia 6 mm @ 20 cm) . Work should be done in proper manner and satisfactory to DOW . Complete with remove debris outside. Concrete mix 350 kg /m3 cement . Work should be as per engineer instructions .	item	1			
CIVIL WORK						
48	Demolish and remove outside the excavated floor ceramic tiles and backfilling material for bathroom at 1st floor in order to lower the floor level by 15 cm .	item	1			
Bituminous roll sheet water proofing						

49	<p>Provide and replace existed PU water proofing for roof floor by granular bituminous roll sheet of thickness 4mm . Before the application process start the contractor should make surface preparation by treatment the holes and cracks by non-shrinkage grout material and to remove any loose concrete and to make mortar angle fillet at corners of upstands . Installation should not be done during adverse weather . Membrane should be laid perpendicular to slab and parallel to slope, the over lapping is 10cm at sides and 15cm at ends . Skirting height equal 20 cm and should be finalized by aluminum flashing .Measurement shall be in m2 for slab and skirting. Work should be satisfactory to D.O.W . Work include to make concrete upstand base 10 cm thick for PVC tank capacity 2 m3 with angle filt at sides .Work should be satisfactory to DOW .</p>	m2	60			
	TOTAL				0	