

Item	Description	Unit	Qty	Unit rate in USD	Total Amount USD
	The work shall include and comply with the following:- a. Removing the demolished material off site to authorized dumping sites. b. The dismantled materials are the sole property of the client (in case those material are required by the Client). c. The contractor shall coordinate implementation of his daily work activities, working hours, throughout the construction period with the client and the supervising engineer for smooth implementation of the work and to avoid interruption of the functioning building. d. The contractor shall protect and safe guard the existing facilities and building finishes, including the painting, the floor tiles. e. The contractor shall make the necessary temporary water, electrical power connections. Etc. to prevent interruption of the power and water supply for the existing functioning building. f. The contractor shall take all necessary measures to ensure safety of his labor and the existing structures, finishes, utilities, services. Etc. and to minimize environmental hazards including pollution, noise and dust.				
<b>A - Preparation and Cleaning the Site</b>					
A1	Cleaning up the site from Removing the demolished material off site to authorized dumping sites, the rate includes removal works of surbs and useless plants.	L.S	1		
<b>B -Concrete &amp; Block Works</b>					
B1	Supply & build hollow concrete blocks grade 35 of size 40x20x20cm, The Price includes Surface Preparation & remove Tiles underneath the new Partion for the side entrance, and making window opening size of (1.20 m X 1.20 m)with Reinforecd concrete for the lental beam.Masonry works should built with cement sand mortar (1:3) according to technical specification and instructions of the Engineer.	SQ.M	16		
<b>C - Plastering Works</b>					
C1	Supply and make two coats of plastering for the new wall (Enternal & External) with cement sand mortar 1:3; the price includes all required works to finalize it in accordance of specification and the Engineer approval.	SQ.M	48		
C2	Ditto,But for clinic Room with removal works of all old (Walls+Roof) plastering and the price should include surface preparation as per Engineer Instructions.	SQ.M	30		
C3	Ditto,But for the Kitchen & W.C at Adminstration Offices,the Price shall include (Removal works of damaged plastering & replastering it in accordance of the technical specifications + repainting ) and all required works as per Engineer Instructions.	SQ.M	40		
<b>D - Painting Works</b>					
	All painting materials shall be of high quality approved product complying with the technical specifications and manufacturer's instructions. The works & Rate shall include surface preparation for new painting works, including peeling off old damaged paint,Crack Repairing with filling holes, plaster patching, putty, priming, etc. Type and textures and finishing paint coat shall be similar and matching the existing paint finishing.	Note			

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D1	Supply & paint minimum 2 coats colored emulsion paint (Supercryle) on the internal walls. The work shall also include removing the old paints, cleaning, surface preparation and putting, Cracks Repairing and all required works, and rendering coats to match the existing paint finishing in accordance of the technical specifications and Engineer Instructions.	SQ.M	450		
D2	Ditto,But with Anti-Bacterial Light Blue Color & washable for Clinic Room.	SQ.M	30		
D3	Supply & apply 2 coats of colored oil paint(Half Gloss)for internal walls. The work shall include surface preparation,removing old paint,sanding, putty;in accordance of the technical specifications and Engineer Instructions	SQ.M	850		
<b>E - Doors, Windows and Metals Works</b>					
	The work shall include supply, fabricate and installation of a high quality doors and windows, in accordance with relevant Standards and or as per the existing doors and windows. The contractor shall submit shop drawings for the approval of the Engineer, prior to fabrication. Rate to include supplying and installing high quality, hardware and accessories.	Note			
E1	Maintenance of the wooden items (doors leafs+Frames) for classrooms & offices, the works shall include (Handle & locks,joints with replacement of damaged parts, repainting, cleaning the surface well and repainting it,door stop installation),all rate incluces all required items and as per instructions of the Engineer.	No	20		
E2	Ditto,But Supplying & Installation for wooden windows with size of (70 cm X 70 cm) forGuard room window ,the price includes glass 4 mm thickness and all required works as per Engineer Instructions.	No	1		
E3	Supply and fix white UPVC windows size (0.50 m X 0.80 m ) at Clinic room and W.C of the Guard room, with frame, constructed of C50 profiles with colored glass 4mm thick panels , the Price includes installation of marble frame (Karara or equevelant ), handles and all ironmongery ,hardwares, Protection grille and all required works as per Engineer Instructions.	No	2		
E4	Ditto,But size of (0.60 m X 1.25 m) for Bathrooms windows and Installed on the wooden existing frame (No need to Marble frame),the Price should include all required works as per Engineer Instructions.	No	2		
E5	Ditto,But for uPVC Door size of (1.00 m X 2.20 m) for the Kitchen and installed on the existing woode frame with surface preparation ,The price shall include all accessories and required works as per Engineer Instructions.	No	1		
E6	Ditto, the same size But for Clinic Door with installation Fuggy glass for opening (0.30 m X 0.70 m) and 4 mm Thickness. The price includes marble frame and all required works as per Engineer Instructions.	No	1		
E7	Supply & Installation works of Wooden windows for (Guard Room+damaged classrooms+new wall ) and from approved sample (Grade A), with size of (1.20 m X 1.20 m) and two leafs with glass of 4 mm thickness ,the price includes all accessories (Handle,Lock,Steel Protection Grille,Painting) and all required works as per Engineer Instructions.	No	6		

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E8	Supply and installation of (4 mm) glass for Classrooms windows openings according to the quality required and includes the installation of a frame (rubber or wood interior and exterior) and price includes all necessary for the work in accordance with the technical specifications and instructions engineer as.	SQ.M	48		
E9	Maintenace of Steel Grille For windows Protection at Classrooms & Corridor to be with sections of (2 cm X 2 cm) Bars and (Not less than 1.4 mm Thickness) for the grille without removing the old ones. The price shall include all required works as per Engineer Instructions.	No	20		
E10	Supply & Installation of White Board size (1.20 m X 3 m) grade A, the price includes all required works as per Engineer Instructions.	No	6		
<b>F -Ceiling &amp; Insulation works</b>					
F1	Supply and apply 2 coats of a good quality waterproofing emulsion on concrete surfaces including surface preparation and in accordance with the manufacture's instruction, specification and the Engineer's approval.	SQ.M	20		
F2	Supply and installation of suspended ceiling of gypsum boards (60 cm X 60 cm) from high quality and approved sample, including suspension tools and installation of the entire assembly and to be in conformity with specifications, the price includes remove the old and all required works as per Engineer Instructions.	SQ.M	18		
F3	Supply and installation of Strips fiberglass curtains for Adminstration Offices with opening method vertical movement of approved sample, and installation according to technical assets and instructions of the supervisor engineer	SQ.M	34		
1	<b>Total for Civil Works ..carried to summary</b>				
<b>G - Plumbing &amp; Sanitary Works</b>					
	Plasticized polyvinyl chloride (uPVC) pipes shall be used in the plumbing installation and they must confirm in every respect to the requirements of BS 4514. All fittings and pipe specials used in the plumbing installation shall be suitable and compatible with all respects to the pipe line to which fittings and specials are fixed. All sanitary fittings & fixtures shall be ISO certified and approved by engineer Rates for plumbing work shall include for:- Cutting and waste of pipes etc., and joining pipes. All specials such as elbows, bends, tees, junctions, plugs, reducers and similar pipe fittings except for valves which will be measured separately. Testing and disinfection after completion.				
G1	Supply and install and connect Poly Propylene (PPR) pipes 3/4", for potable water network. The work shall include the needed fittings such as tees, bends, and all related work accessories.	Lin.M	10		
G2	Supply and install and connect Poly Propylene (PPR) pipes 1", for potable water supply. The work include all needed fittings such as tees, bends, and all related accessories.	Lin.M	20		
G3	Supply and installation of water sealing Chromium valves for P.P.R pipes with diameters of 1/2, 3/4, 1 inch, according to the approved sample, technical assets and instructions of the honor engineer.	No	4		

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G4	Supply and install white toilet European . (grade A) suite comply with BS 3402, with 10 liter plastic flushing cistern, good quality chromium plated tap 1/2" including pipes, valves, fittings and all associated accessories,the rate shall include removal works for the old and preparation for the new as per Engineer Instructions.	No	1		
G5	Supply and install high quality electrical water heater, 50 liters capacity, 0.8 Map pressure, provided with temperature gauges, including water supply pipes 16mm, chromium plated control valve, non-return valve ,Switcher,electrical connections and all required works.	No	4		
G6	Supply and install PVC tank for potable water, of 2000 liters capacity for Bathrooms , including the non-electrical floating valve and all related work accessories and fittings according to the specifications, and Engineer instructions.	No	2		
G7	Ditto,But for 1000 Liter uPVC water tank for the existing Restaurant.	No	1		
G8	Supply and fix Italian and 1.5 HP horizontal centrifugal pump, one flange and 50 HZ motor, installed on potable water main to supply the water tank. The work include all related work accessories and fittings.	No	1		
G9	Supply and installation of mirror , Hand wash basins size 60 * 80 of approved sample for Teachers bathroom.	No	2		
G10	Supply and Installation Reinforced PLastic Covers for the existing inspection Holes size( 60 x 60 ) cm from approved sample and removal of the old ,the Price should include all works shall be according to technical specifications for new works and instructions of the supervisor.	No	6		
G11	Supply & Installation of water mixer for Guard Room Shower, from approved sample and remove the old one as per Engineer Instructions.	No	2		
G12	Supply & Installation of Kichen water mixer (Tree Type) from High quality grade A and approved for the Restaurant & Adminstration Offices Kichen ,the price include all required works as per Engineer Instructions.	No	2		
G13	Supply & installation of water tap for toilets with 1/2 inch diameter and chromium valve from approved sample and the rate includes its PVC pipe (Not less than 1 m length) with removal of the old one and as per Engineer instructions.	No	13		
G14	Maintenance of External Taps Place beside the Restaurant, the Price should include :-(1) Modifying Tabes place to more suitable for children with masonry works ,Tiles. (2) Supply & Installation of 4 Chromium Tabes 1/2 inch,Including PPR Pipes with same diameter...All required works should considered as per Engineer Instructions.	L.S	1		
G15	Cleaning of the sewage pipe line from inside till the main manhole out side the school. The rate shall include (sub-manhles + main manhole) and all required works.	L.S	1		
	Maintenance of underground water tank & Pump Room , The work shall include supply all needed materials and works for repairing the enteranal surface with filling any cracks and protection room as well by using approved sealant and testing of full level watertight underground , all in accordance with specifications and the Engineer's instructions. The Price shall included as the following works:				

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G16	(1) Supply and apply 2 coats of water proofing materials for cracks and plastering the surface of the appeared part from it & as per Engineer instructions.	L.S	1		
	(2) Supply and apply 2 coats of water proofing sealant from approved product similar to Sika or equevlant approved materails, applied on the internal surfaces including the floor.				
	(3) Supply and Install stair from Stainless steel as per Engineer instructures;				
	(4) Supply and install (60 X 60 cm) Reinforced Plastic Cover with its frame,approved sample by supervisor engineer.				
	(5) Supply and install approved floating valve .				
	(6) Cleaning up the room floor & repainting its walls with repairing the cracks and roof with Supercrylic paint.				
<b>2</b>	<b>Total Sanitary and Plumbing Works.</b>				
	<b>H - Electrical Works:</b>				
	Unless otherwise stated, rates in Bill of Quantities shall include all removal of old ones and supplying all necessary materials (Cables, conduits, PVC sunk box, bulbs, switches etc.) and labor required to complete the electrical installation to good working order. Except where specifically stated, all costs associated with provision of all holes, openings, chases, ducts and other builders' work required for installation and make them good, shall be included in the rates. Testing and commissioning of the electrical installation is to be carried out by the contractor and cost of such testing and reports to be included in the rates unless otherwise mention separately. All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.				
H1	Supply and install single pole 16 A, 220V, lighting switch, The work include removal of old ones and all required works.	No	12		
H2	Ditto,But for Sockets 16 A, 220 V	No	14		
H3	Supply and install Lighting Unit includes( single pole switch 16 A for 220 V + Fluorescent Lighting with cover 120cm@2,IP65 + wiring with 4mm and uPVC tubes ,covers and boxes), and all required works as per Engineer Insrtuctions.	No	2		
H4	Ditto,But Installation of Fluoesent Lighting Only with removal works of the old items as following				
H5	(120 cm X 2 )	No	14		
H6	Ditto, But (120 cm X 1 ) with Reflector for the white Boards at Classrooms.	No	10		
H7	(120 cm X 1) IP 65 Type	No	5		
H8	Supply & Installation of Lighting LED Lamps (Plastic Shell Type),Good quality and approved for Corridors ,Not less than 32 watts,The Price includes all required works as per Engineer Instructions.	No	22		
H9	Supply and install Electrical Supply Unit for the 2 External Classes includes( 3 single pole sockets 16 A for 220 V + wiring with 4mm and uPVC tubes,covers and boxes), and all required works as per Engineer Insrtuctions.	No	2		
H10	Supply and fix high quality of Air extractor size 300mm*300mm for Toilets , including all required wiring and accessories according to the engineer instructions.	No	3		

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H11	Supply and install (60 x 60) cm LED lighting fixture 40 watt with plastic cover input ( 85 to 250) volt for suspended ceiling at Adminstration Offices & Corridor ,Price is including remove the old ones, conduits, chock coils, clamps, bolts, one spare chock coil and all needed accessories.	No	30		
H12	Supply and fix plastic covers for electrical junction boxes,.	No	10		
H13	Supply and fix and wiring with ( 4 mm <sup>2</sup> ) Italian made for guard room, Price includes all required works include conduit and it's chipping on the walls .	Lin.M	40		
3	<b>Total of Electrical Works.</b>				
<b>I- Metal Works</b>					
11	Supply and installation metal sunshade for students square, supported by trusses and steel posts,covered by Colored sheets with (0.4 mm thickness) the price includes wilded steel trusses ( hollow steel 5*7 cm @ Height 4.60 m, the mains poles (10 X 10 cm @ 2 mm thickness,including (Reinforcement Concrete Footings 50 cm X 50 cm X 1 m Depth).hardware, painting with approved anti-rust and excavation works for footings in any type of ground area according to the drawing and engineer instructions.	SQ.M	220		
12	supply and installation of one-sided wrought iron doors of hollow iron for frames with sections size (40 × 40) mm and sheet thickness 2 mm matching to exisiting and work includes good fixation and paint as required color and sides on the destination anti-rust and all hardwares of good quality ( Italian or Turkish-made certified) according to technical specifications and workmanship assets and instructions of the supervising engineer.	SQ.M	12		
	Ditto,But Made of 5 leafs for the main entrance of the school.	SQ.M	12		
4	<b>Total of Metal Works.</b>				
Section	<b>Bill Of Quantities Sections Summary</b>				
1	Sub-Total For Civil Works				
2	Sub- Total For Plumbing and Sanitary Works				
3	Sub- Total For Electrical Air Conditioning Works				
4	Sub-Total For Metal Works				
<b>Grand Total In USD</b>					