

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.	Note			
A - Preparation and Cleaning the Site					
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 -Concrete & Block Works					
B1	Supply and cast Reinforcement Concrete grade C25 for Slab Roof of the Resturant with 21 cm thickness & Precast Ribs The Rate shall include all required works items (Formworks,surface leveling ,curing in accordance of the technical specifications and Engineer Insructions.	SQ.M	12		
B2	Supply & build hollow concrete blocks grade 35 of size 40x20x20cm, The Rate includes Surface Preparation & remove Tiles underneath the new Partion for the Resturant walls,built with cement sand mortar (1:3) according to technical specification and instructions of the Engineer.	SQ.M	30		
C - Plastering Works					
C1	Supply and make two coats of plastering for Resturant walls(External & External) and ceiling with cement sand mortar 1:3; the Rate includes all required works to finalize it in accordance of specification and the Engineer approval.	SQ.M	70		
D - Painting Works					
	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 pealing 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			
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 puttying, 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	1060		
D2	Supply & apply 2 coats of colored oil paint 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	860		
E - Tiling and Marble Works:					
	The work shall include and comply with the following: Tiles should be of high quality approved product, comply with relevant applicable specifications.. Samples should be provided for the Engineer's approval Surface preparation for new tiling works. Tiling pattern and color shall match the existing, as directed by the Engineer. Cleaning and grouting with approved grout.	Note			
E1	Supply and install colored ceramic tiles (grade A,Spain Made) for Resturant walls, according to the specifications and Engineer's instructions.	SQ.M	25		
E2	Supply and install colored ceramic floor(non-slip tiles,grade A,Spain made), size (30 x 30)cm with 8mm thick for Toilets & Resturant floors, laid on 30mm mortar bed,the rate shall include removal works for the old tiles and all underneath items with surface preparation for the new works in according of the specifications and Engineer's instructions.	SQ.M	96		
E3	Supply and installation of white marble (carara) or equivalent for Kitchen Marble size (120 cm X 45 cm) with 3 cm thickness, Including softening the edges,the rate includes masonry works and all required as per Engineer instructions	No	2		
F - Doors, Windows Works					
	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			
F1	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 includes all required items and as per instructions of the Engineer.	No	24		
F2	Ditto,But for wooden windows & uPVC windows ,the rate includes glass with 4 mm thickness.	No	18		
F3	Supply and fix white UPVC windows size (1.20 m X 0.80 m) at Classrooms, with frame, constructed of C50 profiles with colored glass 4mm thick panels , the rate includes installation of marble frame (Karara or equevelant), handles, all ironmongery and hardwares, Protection grille and all required works as per Engineer Instructions.	No	1		
F4	Supply and install white UPVC walls (with 2,40 m High),the sample of constructed of C50 profiles for Partition of the Administration Office with installation of (3) doors size 1.0 m X 2.20 m with frames from approved sample ,high quality hardware's and all accessories as per engineer instructions.	SQ.M	28		
G - Insulation works					
G1	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		
1	Total for Civil Works ..carried to summary				
H - Plumbing & Sanitary Works					

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	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.				
H1	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	20		
H2	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		
H3	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	5		
H4	Supply and install white toilet vitreous Eastern . (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	2		
H5	Ditto, But European Toilets (Complete set) with removal works for the old.	No	3		
H6	Supply and installation of pots wash basin made from pottery , 80 x 45 x 24 cm duoble and complete with single hole for water mixer and 2 siphons and hot and cold water holders 3/4 ". The category includes a 1 1/2" plastic link, including all necessary as per Engineer instructions.	No	1		
H7	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 electrical connections and all required works.	No	3		
H8	Supply and install PVC tank for potable water, of 1000 liters capacity for the new resturant , including the non-electrical floating valve and all related work accessories and fittings according to the specifications, and Engineer instructions.	No	1		
H9	Supply and install UPVC pipes 1.5" and 10 bar pressure (Red Sea Brand). The work include all tees, bends, and all related work accessories and fittings.	Lin.M	35		
H10	Supply and install UPVC pipes 2" and 10 bar pressure (Red Sea Brand), The work include all tees, bends, and all related work accessories and fittings.	Lin.M	10		
H11	Supply, install and connect UPVC pipes 4" and 10 bar pressure (Red Sea Brand), for waste water network. The work include all tees, bends, and all related work accessories and fittings.	Lin.M	40		
H12	Supply and fix Italian 1" and 1 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	2		
H13	Supply and installation of mirror , Hand wash basins size 60 * 80 of approved sample for Teachers bathroom.	No	2		
H14	Supply and installation of Stainless Steel type of floor siphon, including the cover to be of iron coated with chrome and approved sample size not less than 15 x 15 cm, including all necessary to work according to the required form, in accordance with the technical assets and instructions of the supervisor.	No	10		
H15	Supply and work of a complete inspection Hole size(60 x 60) cm, with a depth of 1 meter, including a cover from approved sample weighing not less than 70 kg, and removal of the old , all works shall be according to technical specifications for new works and instructions of the supervisor.	No	6		
H16	Supply & installation of water tube 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	14		
H17	Cleaning of the sewage pipe line from inside till the main manhole out side the school. The rate shall include (sub-manholes + main manhole) and all required works.	L.S	1		
2	Total Sanitary and Plumbing Works.				
	I - Electrical Works:				
	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.				
I1	Supply and install single pole 16 A, 220V, lighting switch, The work include removal of old ones and all required works.	No	22		
I2	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	1		
I3	Ditto,But Installation of Fluorescent Lighting Only with removal works of the old items as following (120 cm X 2) (120 cm X 1) IP 65 Type	No	28		
		No	4		
I4	Supply and install Electrical Supply Unit 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	1		
I5	Supply and fix high quality of Air extractor size 300mm*300mm for Toilets & Resturant , including all required wiring and accessories according to the engineer instructions.	No	3		
I6	Supply and fix plastic covers for electrical junction boxes.,	No	20		
3	Total of Electrical Works.				

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J- Metal Works					
J1	Supply and installation metal sunshade for students square, made from 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	360		
J2	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 existing and work includes good fixation and paint as required color and sides on the destination anti-rust and all hardware of good quality (Italian or Turkish-made certified) according to technical specifications and workmanship assets and instructions of the supervising engineer.	SQ.M	3		
4	Total of Metal Works.				
Bill Of Quantities Sections Summary					
Section					
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				
Grand Total					