

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.				
A - Concrete Works					
A1	Supply and cast plain concrete C25 slabs for students squares with a thickness of 15 cm and a stress breaking 25 N / mm ² using cement according to the required specifications and work includes the work of expansion joints and filled with elastic material and surface leveling in accordance with the technical rules and instructions of the supervising engineer.	SQ.M	40		
B - 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			
B1	Maintenance of the wooden items (doors leafs+Frames) for classrooms, offices and Bathrooms, 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	19		
B2	Supply and fix white UPVC windows with two slide leafs and size of (2.10 m X 1.30 m) for Administration Office, without frame and must be implemented on the existing frame and constructed of C50 profiles with reflection glass 4mm thick panels , the price includes, handles, all ironmongery and hardwares, Protection grille ,the price includes all required works as per Engineer Instructions.	No	2		
B3	Ditto,But for size (0.75 m X 2.10 m).	No	1		
C -Ceiling & Insulation works					
C1	Supply and installation of Strips fiberglass curtains for Administration Offices with opening method vertical movement of approved sample, and installation according to technical assets and instructions of the supervisor engineer	SQ.M	8		
1	Total for Civil Works				
D - Plumbing & Sanitary Works					
	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.				
D1	Supply and install 10 liter plastic flushing cistern (grade A) suite comply with BS 3402, with high quality chromium plated tap 1/2" including 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	10		

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D2	Supply and installation of water mixer and hot and cold water holders from approved sample ,the price including removal of the olds and all necessary as per Engineer instructions.	No	7		
D3	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		
D4	Supply and fix white hand wash basin with overflow and single hole faucet, size 480 x 580 mm, made of hight quality (grade A), complete with Mixer and all water supply pipes, with High quality chromium plated mixer (Grade A) and waste trap. The work include all related work accessories and fittings.	No	2		
D5	Supply and installation of mirror , Hand wash basins size 60 * 80 of approved sample for Teachers bathroom.	No	2		
D6	Supply and fix white hand wash basin with overflow and single hole faucet, size 480 x 580 mm, made of hight quality (grade A), complete with Mixer and all water supply pipes, with High quality chromium plated mixer (Grade A) and waste trap. The work include all related work accessories and fittings.	No	1		
D7	Supplying and installing High quality (mixer and shower), all of which are copper plated with chrome. The category includes a 3/4 locker with a coated copper rim, the price includes all required works as per Engineer Instructions.	No	1		
D8	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	10		
E - Tiling and Marble Works:					
E1	Supply and install WHITE ceramic grade A,Spain made), size (25 cm x 50 cm) with 8mm thick for Sience Lab, laid on 30mm mortar bed,the Price shall include surface preparation for the new works in according of the specifications and Engineer's instructions.	SQ.M	2		
2	Total Sanitary and Plumbing Works.				
F - 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.				
F1	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		
F2	Supply and install lamps of (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	26		
F3	Supply and installation of a flat spherical LED lighting base for the main entrance roof and corridors with a diameter ranging between (25-30) cm full bulb not less than 32 Watt as required specifications the price includes all required works and removal the old ones.	No	28		
F4	Supply and installation of flexible electrical copper wires of 220V grade and comply with BS 6500 Table 12, insulated with PVC of 6 mm2 size for Computer Lab. The price includes all required works according to the specifications and Engineer instructions.	Lin.M	36		
F5	Supply and fix plastic covers for electrical junction boxes,.	No	10		
3	Total of Electrical Works.				
G - Metal Works					

Item	Description	Unit	Qty	Unit rate in USD	Total Amount USD
G1	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	300		
G2	supply and installation of Protection Grilled Door size (2 m X 3 m) matching to existing cross section iron and price includes good fixation and paint as required color and coated with anti-rust and all hardware of high quality (Italian or Turkish-made certified) according to technical specifications and instructions of the supervising engineer.	No	1		
4	Total of Metal Works.				
Section Bill Of Quantities Sections Summary					
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 USD					