

Item	Description	Unit	Qty	Unit rate 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		
A2	Dismantle and remove ceramic from internal walls and floors tiles in the existing bath rooms (For 2 Floors), including removal of surplus and remove (Only) under floor sewage pipes of any size and preparing surfaces for new tiling works and all required works as per Engineer Instructions.	L.S	1		
A3	Dismantle and re-installation of sanitary fixtures including hand wash basins with all its accessories such as (Water Mixers, Siphones, pipes.....etc) and the price includes all required works as per Engineer Instructions.	No	16		
C - Plastering Works					
C1	Maintenance and make two coats of plastering for Bathrooms (ceiling and walls) for Interior & Exterior surfaces with removal works for the damaged areas and repainting ,plastering should be from cement sand mortar 1:3; the price includes all required works to finalize it in accordance of specification and the Engineer approval.	SQ.M	170		
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 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			
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	535		
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	330		
E - Tiles 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 be as directed by the Engineer. Cleaning and grouting with approved grout.	Note			
E1	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 Price shall include surface preparation for the new works in according of the specifications and Engineer's instructions.	SQ.M	130		
E2	Ditto, But For Walls (Grade A, Spain Made), Size of (30 cm X 60 cm), Applied up to (2.30 m Hight) the Price includes All required works as per Engineer Instructions.	SQ.M	380		
E3	Supply and installation of white marble (carara) or equivalent for students square steps and Flag base ,with 3 cm thickness, Including softening the edges, the price includes removal the old and all required as per Engineer instructions	SQ.M	45		
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	42		
F2	Supply and installation of internal door size of (1.00 m X 2.20 m) of the throat of a Swedish first-class pressed plexiglass with a leaf or a double leaf as required. the price includes The paint and all haberdashery are first class of certified quality including rubber door bumper according to technical specifications, workmanship and instructions of the supervising engineer.	No	1		
F3	Supply and installation of wood door lock filler from approved sample with fixed Enternal key (Italian or Turkish-made certified) the price includes all required as according to technical specifications and instructions of the engineer	No	12		

Item	Description	Unit	Qty	Unit rate USD	Total Amount USD
F4	Supply and installation of transparent glass with (4 mm Thickness) for the openings of windows (Classrooms,Offices,Corridor) according to the quality required and includes the installation of a frame of (rubber or wood interior and exterior) and the price should include all necessary for the work in accordance with the technical specifications and instructions of the supervising engineer	SQ.M	78		
G -Ceiling & Insulation works					
G1	Supply and apply 2 coats of High quality waterproofing for surface roof and 2 Bathrooms floor, made of emulsion and applied on concrete surfaces including surface preparation and testing it in accordance with the manufacture's instruction, specification and the Engineer's approval.	SQ.M	145		
G2	Supply and installation of a suspended ceiling of gypsum strips (60 cm X 60 cm) for Admistration Office, including suspension tools and installation of the whole of the assembly and to be in conformity with specifications	SQ.M	24		
1 Total for Civil Works					
H - 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.				
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	40		
H2	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	8		
H3	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 PVC pipes(Not less than 1 m), 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	18		
H4	Supply and installation of water mixer and hot and cold water holders from approved sample ,the price including all necessary as per Engineer instructions.	No	2		
H5	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		
H6	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	35		
H7	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	65		
H8	Supply and fix Italian and 2 HP horizontal centrifugal pump, one flange and 50 HZ motor, installed on potable water main to supply the water tank. The price include makieng of a base and protection grille and all related accessories and fittings as per Engineer Instructions.	No	1		
H9	Supply and installation of mirror , Hand wash basins size 60 * 80 of approved sample for Teachers bathroom.	No	2		
H10	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		
H11	Supply & installation of water tabe 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	20		
H12	Maintenance of the vertical sewage pipe line from upper roof till the floor (3 stories) . The pric shall include (removal of the damaged duct box and replace with PVC box + Renewing with uPVC pipes 4 inches@ prusser 10 bar. Red sea Brand) and all required works as per Engineer Instructions.	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 for Liberary and Offices, The work include removal of old ones and all required works.	No	6		
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 Insructions.	No	3		
I3	Ditto,But Installation of Fluoresent Lighting Only with removal works of the old items as following				

Item	Description	Unit	Qty	Unit rate USD	Total Amount USD
13-a	(120 cm X 2)	No	38		
13-b	(120 cm X 1) IP 65 Type	No	2		
14	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		
15	Supply and install (60 x 60) cm LED lighting fixture 40 watt for Adminstration Office 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	6		
16	Supply and installation of a flat spherical LED lighting base for the main entrance roof and staircase ,with a diameter ranging between (25-30) cm full bulb not less than 32 Watt as required specifications	No	38		
17	Maintenance with Supply and installation of electrical distribution panel first class of iron sheet size (50 cm X 70 cm - 2 mm Thickness) a magnetic thermal separator three-way 160 amp first degree the price includes rehabilitation of wall damages with remove the old one and all required works as per Engineer Instructions.	No	1		
18	Supply and fix plastic covers for electrical junction boxes..	No	10		
3	Total of Electrical Works.				
	J- Metal Works				
J1	supply and installation of one-sided wrought iron doors of hollow iron for frames with sections size (40 × 40) mm and Plate 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 hardware of good quality (Italian or Turkish-made certified) according to technical specifications and workmanship assets and instructions of the supervising engineer.	SQ.M	7		
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 In USD				