

BILL OF QUANTITIES					
IOM Office - Maintenance Bathrooms and Painting of 6 Villas and Conference room					
Location: 10a Alkhalaf - Tripoli - Libya					
Estimated Duration: 2 weeks					
#	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
#	الوصف	الكمية	الوحدة	سعر الوحدة (USD)	المجموع الكلي (USD)
<b>6 Villa Bathrooms &amp; Conference room 2 Bathrooms</b>					
1.1	Treatment of the Mosaure in the bathroom	No	18		
2.1	Cleaning of sewage pipe and manholes according to the principles of the profession and instructions of the supervising engineer	No	18		
3.1	Maintenance and inspection of electrical network connections	No	18		
4.1	Remove, supply and install shower faucet according to approved sample and the instructions of the supervising engineer	No	21		
5.1	Remove, supply and install bathroom basin faucet mixer including the flexible pipe and the faucet of connection according to approved sample and the instructions of the supervising engineer	No	23		
6.1	Remove, supplying, and installing flexible pipe including the faucet for the toilet according to the approved sample and the instructions of the supervising engineer	No	21		
7.1	Supply and install hand held and hose of sprayer according to approved sample and the instructions of the supervising engineer	No	21		
8.1	Supply and install an electric water heater from an approved sample with all accessories and all necessary for installation, operation and electrical connection to power supply.	No	19		
9.1	Supply and install the Cover of the toilet according to the approved sample and the instructions of the supervising engineer	No	21		
10.1	Remove, supplying, and installation of face basin mirrors from an approved sample with all its accessories and everything necessary for installation.	No	23		
11.1	Remove, supplying, and installation of a toilet tissue holder from an approved sample with all its supplies and everything necessary for installation.	No	19		
12.1	Remove, supply, and installation of a floor sink cover from an approved sample with all accessories and everything necessary for installation.	No	21		
13.1	Cleaning the floor and wall tile joints in bathrooms, restoring them with high-quality adhesive, and reglazing any broken tiles in accordance with the supervising engineer's technical requirements.	No	19		
Sub Total				50.00	
<b>COM Villa - 1 COM Bathroom</b>					
1.2	Removal of all bathroom components, including wall and floor tiles, water, and sewage network pipes up to the source, according to the technical specifications and the instructions of the supervising engineer.	1.5	1		
2.2	Supply and implement an insulating layer of membranes, with a thickness of not less than 4 mm and installed over the roof tiles, according to the approved sample and the instructions of the supervising engineer.	m <sup>2</sup>	5.5		
3.2	Supply and install a gpm-made ceramic wall tiles, first starting from an approved sample, for kitchens and bathrooms, affixed with cement mortar of no less than 2.5 cm, according to the technical specifications and instructions of the supervising engineer.	m <sup>2</sup>	27		
4.2	Supply and install a gpm-made anti-slip ceramic floor tiles, first starting from an approved sample, for kitchens and bathrooms, affixed with cement mortar of no less than 2.5 cm, according to the technical specifications and instructions of the supervising engineer.	m <sup>2</sup>	5.5		
5.2	Supply and install hard plastic pipes (PVC) from an approved sample that extends horizontally inside bathrooms, kitchens and floors and is covered with concrete for the necessity of sewage and rainwater drainage. Pressure (P) bar according to the standards.	1.5	1		
6.2	Supply and install cold and hot water pipes made of polypropylene (P.P.H) with a pressure resistance of not less than 20 bar (PN20). The work includes all connection parts and all necessary to finish the work including breaking the walls and filling the mortar on the pipes, with the necessity of constructing the necessary tests before making the mortar on pipes according to the technical specifications and the principles of workmanship and the instructions of the supervising engineer.	1.5	1		
7.2	Supply and install wall hung toilet seat with buried syphon flushing system, including the battery and the 1/2 inch valve, all necessary to complete the work according to the approved sample.	No	1		
8.2	Supply and install a toilet seat cover from approved sample and all necessary to complete the work according to the approved sample.	No	1		
9.2	Supply and install a buried syphon flushing system box for toilet seat, flexible connector and 1/2 inch valve from approved sample and all necessary to complete the work according to the approved sample.	No	1		
10.2	Supply and install a pedestal basin or wall hung basin according to the size required by the supervision and the item includes a bathroom faucet, a siphon, two chromed water stop on OFF valve basin 1/2 inch from an excellent sample, and a connection of plastic pipes 1.2 inch with a length of about 80 cm and all necessary to finish the work according to the specifications.	No	1		
11.2	Supply and install a chrome toilet handheld chromed sprayer kit hot and cold water and a hose according to the required length, from an excellent sample, complete with all necessary to complete the work according to the technical specifications, the principles of workmanship, and the instructions of the supervising engineer.	No	1		
12.2	Supply and install shower faucet according to approved sample and the instructions of the supervising engineer.	No	1		
13.2	Supply and install bathroom Hand wash basin faucet according to approved sample and the instructions of the supervising engineer	No	1		
14.2	Supply and install 3 floor lights, on main opening is 2.5 or 3 inches in diameter, and the item includes the cover size 15 x 15 cm from the first class, including connection (3 or 4 inches) with a length of 80 cm and all necessary to complete the work according to the approved sample and the instructions of the supervising engineer.	No	1		
15.2	Supply and install an electric water heater 50 L from an approved sample with all accessories and all necessary for installation, operation and electrical connection to power supply.	No	1		
16.2	Supply and install hot furniture unit, recessed mounting size 50x20 cm.	No	1		
Sub Total				50.00	
<b>Painting Works</b>					
1.3	Supply and paint plastic paint in the required color from an approved sample for interior walls and ceiling in three coats. The price includes preparing the surfaces and putting putty for three coats and sanding according to the technical specifications and instructions of the supervising engineer.	m <sup>2</sup>	6000		
2.3	Supply and paint old metalworks with a preparatory coat of zinc phosphate, one coat of an oily base layer, and one coat of glossy oil for partitions, doors, windows and stairs after rubbing. According to the technical principles and the instructions of the supervising engineer.	m <sup>2</sup>	100		
3.3	Supply and paint an old woodworks after rubbing the old layer with a preparatory surface, one coat of oil base layer, and one coat of the glossy oil, including preparation and filling, according to the instructions of the supervising engineer.	m <sup>2</sup>	180		
Sub Total					
Total Estimated COM in USD					
ALL THE CONSTRUCTION MATERIALS SHOULD BE BRAND NEW AND TESTED ACCORDING TO CONSTRUCTION WORKS SPECIFICATIONS BY TSE AND INSTRUCTION OF SITE ENGINEER.					
IN CASE OF ANY DIFFERENCE BETWEEN BQ AND DESIGN, THE INSTRUCTION OF SUPERVISOR ENGINEER WILL PREVAIL.					