



A/e Services - ADA Restroom CMRJ Jerusalem

Solicitation No.1910S40-20Q9413458

Bill of quantities

March, 15th, 2021

**Warning :This document is the property of the U.S. Government.
Further reproduction and for distribution is prohibited without the
express written permission of :American Embassy .18 AGRON Road –
Jerusalem. Information on this document is not to be altered
except with the written approval of this individual whose seal appears hereon.
COR :Mr. Kevin Sessink – Facility Manager**

**ADA Restroom CMRJ Jerusalem
Agron - Jerusalem
General Services Office - Procurement**

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
1 - Demolishing Works					
1	The contractor, shall when pricing the rates of this bill take into consideration all cost occur upon him and allow for the cost and expenses of all requirements stipulated in the special specifications, drawings and general specifications of the contract, according to engineer`s requirements.				
1.1	Removal of the existing plaster in the room completely. The job shall be done without using heavy electric tools in order not to damage the stone beneath. The price includes throwing all the debris away outside the site in a legal manner to an approved place. All according to instructions given by the engineer.	Sq.m	25		
1.2	Dismantle the existing floor tiles where specified on drawings. The job includes the removal of fill below the tiles. The price includes throwing all the debris away outside the site in a legal manner to an approved place. All according to instructions given by the engineer. Sheet A06.	Sq.m	5		
1.3	Dismantle the existing Jerusalem stone tiles. Job includes removing fill below the tiles as per engineer's requirements and keeping the tiles in a safe place to reinstall them where specified on the drawing and by engineer. The contractor shall mark each stone with a number using washable marker in order to reinstall them later as it was. Contractor shall perform mockup to confirm best means and methods for removal and salvage to prevent unnecessary damage. The price includes throwing all the debris away outside the site in a legal manner to an approved place. All according to instructions given by the engineer. Sheet A06	Sq.m	12		
1.4	Removal of the existing light bulb in the room and removal of the switch. The price includes the removal of the conduit and the wires completely. The price includes throwing all the debris away outside the site in a legal manner to an approved place. All according to instructions given by the engineer.	Job	1		
1.5	Removal of the existing door of the room completely. The job includes removing the frame. The job also includes throwing them away in a legal manner outside the site in an approved place. All according to instructions given by the engineer. Sheet A05.	Job	1		
1.6	Excavation where indicated on drawings until reaching the required level. The price includes removing any type of soil or rocks or concrete. All according to instructions given by the engineer. Sheet A15	m3	6		

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
1.7	Demolish the wall where indicated on drawings. The price includes anchoring the stones 1000 mm deep every 200 mm. The anchoring shall be done with 14 mm steel bars with epoxy. The bars to be cut from the other side of the wall and repair the wall and repaint it. The price also includes supporting the stones with two steel hollow beams (200mm x 200mm x 10mm) and two columns (200mm x 200mm x 10mm) as per drawings. The price includes casting reinforced concrete for the foundations under the columns. The job must be done in sequence as per drawings and as per the scope of work. The price includes all the welding, plates, screws, bolts, reinforcement bars, concrete, formwork and all necessary material and equipment. All safety measures must be taken. The price also includes removing all the debris outside the site in a legal manner to an approved place. All according to drawings, scope of work and instructions given by the engineer. Sheet A15-A19.	Job	1		
1.8	Demolish and remove a layer of the wall up to 10 cm where indicated on drawing. The price includes throwing all the debris outside the site in a legal manner to an approved place. All according to drawings and instructions given by the engineer. Sheet A07.	Sq.m	6		
1.9	Demolish wall to expand the door opening size of the bathroom to meet the size required. The price includes cutting the wall with special saw to cut it neatly and demolish it. The price includes throwing all the debris outside the site in a legal manner to an approved place. All according to instructions given by the engineer. Sheet A05.	Job	1		
Total of Bill # 1					
17% VAT					
Total of Bill # 1 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
2- Concrete works					
2	The contractor shall, when pricing the rates of this bill, take into consideration including and allowing for the costs or expenses of all requirements stipulated in the preambles, drawings and technical specification of the tender.				
2.1	Supply all the materials needed to cast reinforced concrete B200 for slab on grade 10cm thick, steel reinforcement Ø8/20cm in both directions, price includes supply & install and compact base coarse, aggregate and sand thickness according to the levels shown on attached drawings and per engineer's instructions and a layer of polyethylene sheets 0.5mm thick. The price includes anchoring the steel with the foundations of the supporting columns. All according drawings and engineer's instructions. Sheet A18	Sq.m	6		
2.2	Supply all the materials needed to cast reinforced concrete B300 for Wall 10cm thick, steel reinforcement Ø8/20cm in both directions, price includes a layer of polyethylene sheets 0.5mm thick. The price includes anchoring the steel mesh with the existing wall and the slab on grade. The price includes the formwork. All according drawings and engineer's instructions.	Sq.m	5		
Total of Bill # 2					
17% VAT					
Total of Bill # 2 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
3- Plaster Works					
	<p>The contractor, shall when pricing the rates of this bill take into consideration all costs occurring upon him and including and allowing for the cost and expenses of all requirements stipulated in the special specifications, preambles, drawings and general specifications of the contract, and whatever necessary to complete the work according to engineer's requirements and specifications.</p> <p>The price includes:</p> <p>a. Supply and store the cement, sand, aggregates, water, lime, steel net, angles and whatever needed in a clean dry place.</p> <p>b. the sand used must be clean and salt free.</p>				
3.1	<p>Supply all the materials needed and apply lime plaster for stone walls and vaults, lime to be soaked for 5days, four coats of plaster as follows:</p> <p>1st coat: white cement and sand 1:1, the gaps between stones to be filled with lime mortar 6sand:2lime:1 white cement.</p> <p>2nd coat: 8-20mm thick, lime mortar, 9sand:2lime:1 white cement.</p> <p>3rd coat: 8-16mm thick, lime mortar 10sand:2lime:0.5white cement.</p> <p>4th coat: 4-6mm thick lime mortar, 4sand:1lime.</p>	Sq.m	20		
17% VAT					
Total of Bill # 3 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
4- Tiling works					
4	The contractor, shall when pricing the rates of this bill take into consideration all cost occur upon him and allow for the cost and expenses of all requirements stipulated in the special specifications, preambles, drawings and general specifications of the contractor, and whatever necessary to accomplish the work according to engineer`s requirement and specifications.				
4.1	Install the existing stone floor tiles that were dismantled where specified on drawings. Price includes the mortar below the tiles from sand and cement. Price also includes the aggregate fill under the tiles. Price includes also the pointing works similar to the existing one. The contractor shall replace any damaged tile at his own cost. All works are done according to instructions given by the engineer.	Sq.m	12		
4.2	Supply and install stone floor tiles similar to the existing stone tiles. The price includes the mortar below the tiles from sand and cement. Price also includes the aggregate fill under the tiles. The price also includes the pointing works similar to the existing. All works are done according to specifications and instructions given by the engineer. Sheet A14	Sq.m	1		
4.3	Supply and install of non-slip porcelain tiles for the in bathrooms (300x300x8 mm). The price includes the sand and mortar layer under the tiles above the concrete screed. Insulation layer is required, two coats of Sika top seal 107 with its two components liquid and powder or equivalent. The tiling work is done according the drawings and accroding to the supervisor engineer. Sheet A14	Sq.m	6		
4.4	Supply and Install of porcelain wall tiles (Spanish or equivalent) in bathroom (200*200*8mm). The price includes the mortar, insulation layer and grouting from Mapei or Mr Fix or equivalent with the required color done between the tiles. Sheet A10	Sq.m	25		
4.5	Supply and install 3cm thick stone 25 cm wide for the door threshold of excellent quality from Sourmaeen or an approved eq., free from cracks. bedded in or backed with white cement and sand mortar [1:3] .The price shall include grouting with a water resistant grout like Mapei and sand-cement fill under tiles as per engineer instructions (internal edges should be rounded), price includes removal of existing sills. Sheet A14	MR	1		
4.6	Ditto, but 15 cm wide above the toilet seat. Sheet A12	MR	1		
Total of Bill # 4					
17 % VAT					
Total of Bill # 4 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
5- Wooden works					
5.1	Supply and install wooden doors 100x210 cm 45mm thick from plywood 5mm thick and covered with veneer oak wood to be specified by the engineer, and solid frame from oak wood, and all as per attached drawings, price shall include fixing ironmongery, three stainless steel hinges per leaf of a door, price includes also supply and install locks, handles, cylinders, kick plate, stopper, louvers and special bar for handicapped and all have to be approved by the engineer, and all according to engineer's instructions. Sheet A13	unit	1		
Total of Bill # 5					
17% VAT					
Total of Bill # 5 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
6- Painting works					
6.1	Prepare surface, clean and apply two coats of putty followed by three coats of Tambour polisid paint for the bathroom ceiling. The price shall include all materials and workmanship to complete the works as per instructions given by the engineer.	Sq.m	15		
Total of Bill # 6					
17% VAT					
Total of Bill # 6 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
7- Gypsum works					
7	The contractor shall, when pricing the rates of this bill, take into consideration including and allowing for the costs or expenses of all requirements stipulated in the preambles, drawings and technical specification of the tender.				
7.1	Supply and install water resistant green gypsum board 12mm where indicated on drawing behind the toilet seat to cover up the flush cistern and the vent pipe. The price includes supplying and installing a recessed access door with touch latches for the vent where indicated. The price includes the steel studs every 40 cm in both directions. The price includes all the screws, angles, and all necessary accessories and items to complete the works. All according to specifications and instructions given by the engineer. Sheet A12	Sq.m	3		
Total of Bill # 7					
17% VAT					
Total of Bill # 7 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
8- Mechanical works					
	The contractor is responsible for testing all the installations in all items prior to any covering or casting works for approval. The PEX water supply piping is to be pressure tested and proven leak proof before the concrete floor is cast. The pipe shall be tested at 1.5xlocal water pressure for one hour.				
8.1	Supply and install the following HDPE drainage and vent pipes laid exposed, in walls, or under tiles and ground, type Hulirot, Wavin, Geberet, or equal approved, complete with all accessories and fittings, including connections with existing manholes. All underground pipes should be aligned using cement bases and totally covered with 4cm concrete layer, all according to local requirements, engineer's instructions and as shown in Drawings.				
8.1.1	4" diameter HDPE soil and waste pipes	mr.	13		
8.1.2	2" diameter HDPE waste and vent pipes.	mr.	1		
8.1.2	3" diameter HDPE waste and vent pipes.	mr.	3		
8.2	Supply and install 4" HDPE floor trap outlets, type Hulirot, Wavin, Geberet, or equal approved, including casting into concrete, excavating, bedding, surrounding and connections to drainage pipes. The price includes including 12X12cm stainless steel cover with strainer (AISI304 minimum grade) , complete as specified and as shown on drawing.				
8.2.1	100 mm diameter HDPE FT.	nr	1		
8.3	Supply and install HDPE floor clean out type Hulirot, Wavin, Geberet, or equal approved, with its stainless steel closed cover (AISI304 minimum grade), size 15X15cm type Redi, Nicoll, urn or equal approved of the following sizes:				
8.3.1	100 mm diameter HDPE FCO.	nr	1		
8.4	Supply, install, test and commission Porcelain handicapped wall mounted wash basin, European made like Ideal Standard, Villory & Boch, Roca, or equal approved including the following: - Anchors, supports and all fittings and accessories. - Chrome plated copper tube and Angle valves - 75 mm seal plastic bottle trap plus plastic extension pipe complete with wall flanges including pipes connections to floor drain. - Stainless steel reels with all fittings and accessories. - Chrome plated mixer (Single lever) of the same brand as wash basin. The price includes all connections with drain and water pipes, all according to drawings, specifications and engineer's instructions.	nr	1		
8.5	Supply, install, test and commission Porcelain handicapped Wall Hung W.C, European made like Ideal Standard, Villory & Boch, Roca, or equal approved, including concealed flushing cistern type, Schwab, Geberit, Grohi or equal approved. The unit should include the following: - Cover, anchors and supports. - Chrome plated copper tube and Angle valves - Stainless steel reels with all fittings and accessories. - Hand spray with its flexible hose and head (European made) The price includes all connections with drain and water pipes, all according to drawings, specifications and engineer's instructions.	nr	1		
8.7	Supply and install Cross-linked polyethylene (PEX), type Pexgol or equal approved, for cold water system. The price shall include connection with the existing piping network with all accessories and fittings needed for installation, i.e. elbows, tees, valves....etc of approved quality. The price should also excavation, concrete covering of pipe and backfilling, complete as specified and as shown on drawing.				
8.7.1	* 25mm PEX	mr.	11		

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
8.7.2	* 16mm PEX	mr.	4		
8.8	Supply, install and commission inline ducted wall mounted exhaust Fan, type Sodeca, S&P, Wood or equal approved, to be installed vertically on wall inside rest room. The price includes flexible connections on both sides of the fan, reducers or adapters for connections with pipes, electrical connections, sockets, cable and switch with indicator lamp, all is according to drawings, specifications and approval of supervisor engineer.				
8.8.1	60L/s Air Flow @ 60Pa Static Pressure	nr	1		
8.9	Supply and install UPVC ventilation pipes laid exposed on walls and under tiles, type Huliot, Redi or equal approved, complete with all accessories and fittings like Wye, 45o elbow, gaskets of approved type and quality, antifungal sealant compound of approved type and quality. The price shall also include excavation, covering the pipes with 4cm concrete layer, all according to local requirements, engineer's instructions and as shown in Drawings.				
8.9.2	4" UPVC Exhaust Pipe	mr.	14		
8.10	Supply and install of 1 1/2" Air Admittance Valve, manufactured from flame-retardant material with a high tensile strength and high temperature rating. The unit shall include screening on the inside and outside to protect the sealing membrane from foreign objects. In addition, it shall have and ability to divert condensation away from the sealing membrane. The price includes all fittings needed for connections to wash basin drain and vent pipe of WC, all according to drawings and engineer's instructions.	nr	2		
8.11	Supply and install white anodized Aluminum, exhaust air grille. The price includes galvanized adapter, and connection to exhaust pipe according to the following:				
8.11.1	20X20cm	nr	1		
Total of Bill # 8					
17% VAT					
Total of Bill # 8 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
9- Electrical works					
9.1	Electrical points (power & lights)				
9.1.1	Supply, Install, connect, & test an Israeli 16 Ampere-230 volt GFCI (RCBO/RCD) outlet, SI 32 (IS1-16R), 10 Ma. TRIP, 50/60 Hz., 2 poe-3 wire grounding, IP55 rated weatherproof box and cover, (gland type cable entry), horizontal surface mount, gray. The price includes using the existing or installing a new cable 3Cx2.5 mm2 N2XY with necessary trunks and conduits (EMT).	No.	1		
9.1.2	2 pole switch with indication light NISKO Type ref.no.35021132 or approved equivalent.. for the Extract fan.the price including using the existing cable or to be replaced if has not an enough length, by using a connection w/p IP55 box. Refere to design sheet no.E1 & E2.	No.	1		
9.2	Lighting Points				
9.2.1	Supply, Install and Connect Lighting Points including Conduits and (3*1.5mm^2 N2XY cable) up to the exsisting w/p ip55 connection box. The Price also include the switch light nisko type Ref.No.ref.no.35020111 or approved equivalent. and all accessories as per drawings sheet No.E1 & E2 and specifications.	No.	2		
9.3	Lighting Fixtures				
	<i>Supply, Install and Connect the following Lighting Fixtures , bulbs or tubes (Osram or Philips 840), electronic control gears and all accessories as per drawings and specifications.</i>				
9.3.1	Lighting fixture NISKO - AQUA LED IP54 15 watt Ref.No.76243015 Cold Light Intensity, surface mountendled 3000k 780lm circular fixed at Bathroom or approved equivalent.as per drawings sheet No.E1 & E2 and specifications.	No.	2		
Total of Bill # 9					
17% VAT					
Total of Bill # 9 (Including VAT)					

No.	Description	Unit	Qty	Unit Rate (NIS)	Total (NIS)
10- Additional Equipment					
10	Prior to supplying, and approval by supervising engineer, for the below furniture, the contractor shall produce a catalogue of all ready made items with all technical specifications and shall also produce a shop drawing for making any connections needed. The price includes fixing all the items as per the item's catalogue.				
10.1	Pedal trash bin - stainless steel. Body/ Lid/ Handle/ Metal handle: Stainless steel Lid holder/ Bucket/ Bottom part: Polypropylene Bar: Steel, Galvanized Mechanism: Stainless steel, EVA plastic 	No.	1		
10.2	Toilet roll holder - stainless steel. 	No.	1		
10.3	Hanging Soap dispenser. 	No.	1		
10.4	Stainless steel Paper towel dispenser 	No.	1		
10.5	Mirror - Height: 60cm, width: 60cm. Frameless mirror from Ideal Standard with a contemporary style square design, fixings supplied.	No.	1		
10.6	Stainless steel grab bar with different dimensions as per drawings fixed to the walls 	No.	3		
10.7	Stainless steel flip up grab bar 	No.	1		
Total of Bill # 10					
17% VAT					
Total of Bill # 10 (Including VAT)					

ADA Restroom CMRJ Jerusalem
Agron - Jerusalem
General Services Office-Procurement

Summary

Section	Works	Totals/ NIS
1	Demolishing works	
2	Concrete works	
3	Plastering works	
4	Tiling works	
5	Wooden works	
6	Painting works	
7	Gypsum works	
8	Mechanical works	
9	Electrical works	
10	Additional equipment	
TOTAL		
17% VAT		
GRAND TOTAL INCLUDING VAT		