

"Renovation Works of Waste and Clean Pipe Lines of the Residence Building" works to be carried out in the Ankara Embassy building of the Republic of India with the "turn-key project" method

TYPE AND DESCRIPTION OF WORKS WHICH ARE THE SUBJECT OF THE PROCUREMENT THAT WILL BE PERFORMED IN THE ANKARA EMBASSY SITE

CODE NO	EXPLANATION OF WORKS	UNIT	Total Quantity	Unit Price (USD)	Total Price (USD)
A	RENEWAL OF CLEAN WATER AND WASTE WATER LINES				
1	Dismantling the hot and cold water vertical pipes.	mt	355		
2	Dismantling the rain water pipes passing inside the building and cast iron sewage pipes both vertical and horizontal.	mt	178		
3	Supply and installation of Dn 32 pprc pipe	mt	98		
4	45% of dn 32 pprc pipe supply and installation cost (For pipe threads, transition and fitting parts)				
5	Supply and installation of Dn 25 pprc pipe	mt	360		
6	45% of dn 25 pprc pipe supply and installation cost (For pipe branch, elbow and fitting parts)				
7	Wrapping pprc pipes with polyurethane insulation material to prevent heat loss	mt	204		
8	Supply and installation of 32" flush mounted ball valve	Unit	18		
9	Supply and installation of 25" flush mounted ball valve	Unit	9		
10	Supply and installation of 2" - 3/4" ball valve	Unit	27		
11	Supply and installation of 2" horizontal check valve	Unit	3		
12	Supply and installation of 25" toilet bowl template	Unit	9		
13	Supply and installation of 65' hot water collector pumps	Unit	4		
14	Supply and installation of 50" composite pipe	mt	26		
15	45% of 50" composite pipe supply and installation cost (For pipe threads, transition and fitting parts)				
16	Supply and installation of Ø 150 PVC pipe	mt	82		
17	45% of Ø 150 PVC pipe supply and installation cost (For pipe branch, elbow and fitting parts)				
18	Supply and installation of Ø 100 PVC pipe	mt	76		
19	45% of Ø 100 PVC pipe supply and installation cost (For pipe branch, elbow and fitting parts)				
20	Supply and installation of Ø 70 PVC pipe	mt	20		
21	45% of Ø 70 PVC pipe supply and installation cost (For pipe branch, elbow and fitting parts)				
22	Supply and installation of Ø 50 PVC pipe	mt	58		
23	45% of Ø 50 PVC pipe supply and installation cost (For pipe branch, elbow and fitting parts)				
			C O S T (USD)		
B	BOILER ROOM WORKS				
1	4,00x1,00x1,80 dimension steel water tank will be manufactured and installed instead of existing water tank.	Unit	1		
2	Maintenance and cleaning of existing heat exchanger and boiler.	Unit	1		
3	Existing hot water circulation pump will be renewed.	Unit	1		

4	Electrical panel of pumps will be renewed.	Unit	1		
5	Necessary plaster repairs will be made and painted on the ceiling and wall surfaces.	m2	586		
6	60x190 dimension washbasin with pedestal will be manufactured and installed in its place.	Unit	1		
7	Wall-mounted faucets will be renewed.	Unit	1		
				C O S T (USD)	
C	GENERAL CONSTRUCTION WORKS DUE TO RENEWAL OF PIPES IN BATHROOMS, KITCHENS AND OTHER PLACES				
1	Breaking of walls in necessary places inside the building for replacement of pipes.	m3	19		
2	Breaking of floor and excavation works for the underground rainwater and sewer lines outside the building.	m3	96		
3	Covering the broken places on the wall with gypsum plaques.	m2	42		
4	Plaster and paint repairs on walls and ceilings after breaking works inside the building.	m2	244		
5	Repairing the broken places on the floors both inside and outside the building with concrete and mortar.	m2	145		
6	Parquet repairs and covering of new laminant parquet in the places where the floors are needed to be broken inside the building.	m2	56		
7	Removal of existing floor covering stones in outdoor excavation areas and recovering existing stones.	m2	102		
8	Supply and laying of new floor covering stones same as the existing ones.	m2	46		
9	Breaking existing wall and floor ceramics in Bathrooms and Kitchens, transporting the debris.	m2	224		
10	Applying cement-based plaster on the wall surface.	m2	168		
11	Applying cement-based leveling screed on the floor surface.	m2	62		
12	Applying two component liquid waterproof material on the leveling screed.	m2	62		
13	Drainers in bathroom floors will be renewed.	Unit	9		
14	Angle valves will be renewed.	Unit	52		
15	Built-in stop valves will be renewed.	Unit	20		
16	Wash-basin plug tube will be renewed.	Unit	18		
17	The wall above the ceramic level and ceiling will be painted two coats.	m2	125		
18	Interior surfaces of doors and windows facing the bathroom will be painted.	m2	36		
19	Renewal of existing electric plugs and switches.	set	10		
				C O S T (USD)	
D	BATHROOM AND KITCHEN RENOVATION WORKS				
1	FIRST FLOOR GUEST ROOM BATHROOM				
	a	Coating the wall and floor surfaces with ceramic material using ceramic adhesive. Ceramic corner beads will be used where necessary.	m2	37	

	b	Removing and reinstalling the existing bathroom cabinet, towel warmer, accessories and shower cabin.	set	1		
	c	Existing toilet bowl will be renewed. Toilet seat cover will be soft closing.	Unit	1		
	d	Hand washing faucet will be renewed.	Unit	1		
	e	Bathroom faucet including hand shower in shower cabin will be renewed.	Unit	1		
	f	Existing drainer inside shower cabin will be dismantled and 80 cm length water drainer will be installed.	Unit	1		
2	FIRST FLOOR KITCHEN					
	a	Kitchen cabinet, marbelite countertop manufacturing and installation	mt	1.2		
	b	Supply and installation of steel kitchen sink.	Unit	1		
	c	Wall-mounted faucet will be renewed.	Unit	1		
	d	Coating the wall and floor surfaces with ceramic material using ceramic adhesive.	m2	5		
3	FIRST FLOOR SUITE BATHROOM					
	a	Coating the wall and floor surfaces with ceramic material using ceramic adhesive. Ceramic corner beads will be used where necessary.	m2	69		
	b	Removing and reinstalling radiator, bathroom cabinet, bowl sinks, towel holders.	set	1		
	c	Existing toilet bowl will be renewed. Toilet seat cover will be soft closing.	Unit	1		
	d	Existing bathtub and shower cabin will be renewed.	Unit	1		
	e	Existing shower tray and cabin will be renewed.	Unit	1		
	f	Hand washing faucets will be renewed.	Unit	2		
	g	Bathroom faucet including hand shower in shower cabin will be renewed.	Unit	2		
	h	Towel holder, makeup mirror, paper holder, corner shelf accessories will be renewed.	set	1		
4	FIRST FLOOR STUDY ROOM BATHROOM					
	a	Coating the wall and floor surfaces with ceramic material using ceramic adhesive. Ceramic corner beads will be used where necessary.	m2	29		
	b	Removing and reinstalling shower cabin, bathroom cabinet with mirror and sink.	set	1		
	c	Existing toilet bowl will be renewed. Toilet seat cover will be soft closing.	Unit	1		
	d	Existing drainer inside shower cabin will be dismantled and 80 cm length water drainer will be installed.	Unit	1		
	e	Hand washing faucet will be renewed.	Unit	1		
	f	Bathroom faucet including hand shower in shower cabin will be renewed.	Unit	1		
	g	Towel holders, paper holders, corner shelf accessories will be renewed.	set	1		
	h	Existing radiator will be changed with towel warmer.	Unit	1		
5	GROUND FLOOR KITCHEN					

	a	Kitchen faucets will be renewed.	Unit	2		
6	GROUND FLOOR MEN'S WC					
	a	Coating the floor surfaces with ceramic material using ceramic adhesive.	m2	7		
	b	Hand washing faucet will be renewed.	Unit	1		
	c	Wash-basin with half pedestal will be renewed.	Unit	1		
	d	Existing toilet bowl will be renewed. Toilet seat cover will be soft closing.	Unit	1		
7	GROUND FLOOR LADIES WC					
	a	Coating the floor surfaces with ceramic material using ceramic adhesive.	m2	6		
	b	Hand washing faucet will be renewed.	Unit	1		
	c	50x50x50 dimension MDF plaque will be covered under wash-basin.	Unit	1		
	d	Existing toilet bowl will be renewed. Toilet seat cover will be soft closing.	Unit	1		
8	GROUND FLOOR GUEST ROOM BATHROOM					
	a	Coating the floor surfaces with ceramic material using ceramic adhesive.	m2	4		
	b	Existing bathtub and shower cabin will be renewed.	Unit	1		
	c	Existing toilet seat cover will be renewed. It will be soft closing.	Unit	1		
9	BASEMENT FLOOR BATHROOM					
	a	Coating the wall and floor surfaces with ceramic material using ceramic adhesive. Ceramic corner beads will be used where necessary.	m2	23		
	b	Removing and reinstalling towel rack and upside of bathroom cabinet.	set	1		
	c	Existing toilet bowl will be renewed. Toilet seat cover will be soft closing.	Unit	1		
	d	Existing drainer inside shower cabin will be dismantled and 60 cm length water drainer will be installed.	Unit	1		
	e	Hand washing faucet will be renewed.	Unit	1		
	f	New shower cabin will be installed.	Unit	1		
	g	Bathroom faucet including hand shower in shower cabin will be renewed.	Unit	1		
	h	Towel holders, paper holders, corner shelf accessories will be renewed.	set	1		
10	BASEMENT FLOOR LAUNDRY ROOM					
	a	3 mt length, 3-section steel sink with pedestal will be manufactured and mounted in its place.	Unit	1		
	b	Wall-mounted faucets will be renewed.	Unit	3		
11	BASEMENT FLOOR WC					
	a	Coating the wall and floor surfaces with ceramic material using ceramic adhesive. Ceramic corner beads will be used where necessary.	m2	2		

	b	Existing toilet bowl will be renewed. Toilet seat cover will be soft closing.	Unit	1		
	c	Hand washing faucet will be renewed.	Unit	1		
	d	Bathroom faucet including hand shower in shower cabin will be renewed.	Unit	1		
C O S T (USD)						
E	DISMANTLED AND REMOVED IRON MATERIALS					
1	Valuation of dismantled and removed iron materials as scrap material. (To be deducted)		kg.	1400		
C O S T (USD)						

TOTAL COST OF PRODUCTIONS TO BE DONE AT EMBASSY OF THE REPUBLIC OF INDIA IN ANKARA		
	Total Cost	Currency
A - RENEWAL OF CLEAN WATER AND WASTE WATER LINES		USD
B - BOILER ROOM WORKS		USD
C - GENERAL CONSTRUCTION WORKS DUE TO RENEWAL OF PIPES IN BATHROOMS, KITCHENS AND OTHER PLACES		USD
D - BATHROOM AND KITCHEN RENOVATION WORKS		USD
E - DISMANTLED AND REMOVED IRON MATERIALS (-)		USD
T O T A L		USD

MATERIAL SPECIFICATIONS AND UNDERTAKINGS OF CONTRACTOR :

- 1 All works will be done on "turn-key project" basis.
- 2 All kinds of materials, workmanship, transportation, horizontal - vertical movements, general expenses etc. costs must be included.
- 3 The system to be installed must be complete, using brand new products. Even all products that should be used are not in the list or specification, the supply and installation of the products in working condition belongs to the contractor.
- 4 All the Hot and Cold Water and Heater system pipes must be PPRC (Polipropilen Random Copolimer) and Composite type. They must include TS 9937, TSEN İSO 15874, DIN 8077, DIN 8078 and DVGW W544 standarts. PVC pipes and fittings must be 4,2mm thickness and silent type.
- 5 Cables to be used must have the standarts of TS IEC 60502-1 and VDE 0276.
- 6 Inside and outside paints must be water, acrylic, wipeable and silicon-modified. Products must be suitable for TS 5808 standarts.

- 7** All materials must comply with the TSE standarts.
- 8** Above mentioned works shall be done in accordance with the Construction Technique, Specifications, Technical Regulations completely and faultlessly.
- 9** From the beginning to the completion of the above mentioned works, it will take place under the control and supervision of Company's Technical Staff.
- 10** Catalogues and Guarantee Certificates will be presented by Contractor to the Embassy.
- 11** All dismantled materials and wastes will be transported to the Municipality dump site.