Project: INTERNAL ROADS IN Masfoot AREA - 2027 **Length = 6.1 km**

Client Ajman Municipality & Planning Department

Contractor :

BOQ

ITEM	ITEM DESCRIPTION	UNIT	QTY	RATE (Dhs)	AMOUNT (Dhs)
1	**General Requirements**				
1.1	Insurance of work	L.S	1.00		
1.2	Mobilization & demobilization, supply and maintaining site safety work barricade warning safety lamps cones cover the open excavation and other hazards complete job.	L.S	1.00		
2	**Ground Investigation**				
2.1	Trial pits and trenches to assertain/ verify/ locate existing services maximum depth (1-2) m, excavation by hand.	NO	100.00		
2.2	Trial pits and trenches to assertain/ verify/ locate existing services depth - more 2 m -	NO	5.00		
3	**Earth Work**				
3.1	Filling with suitable excavated material other than top soil	m^3	22,000.00		
3.2	Filling with Imported material	m^3	3,000.00		
3.3	Excavation for cutting material other than top soil or artificial hard material.	m^3	25,000.00		
3.4	Excavation for cutting artificial hard material	m^3	3,000.00		
3.5	Formation preparation include compaction, leveling and testing	m^2	61,500.00		
3.6	Disposal of excavated material	m^3	3,000.00		
4	**DEMOLITION AND SITE CLEARANCE**				
4.1	Saw Cutting to match existing pavement with new.	LM	200.00		
4.2	Romoval of existing asphalt layers by milling machine and haul to approved dump site.	m^2	500.00		
4.3	Removal of existing pavement tiles including sand bed and subbase cart to approved tip.	m^2	500.00		
4.4	Removal of existing kerbstones ncluding concrete base, backing and dispose to approved tip.	LM	300.00		
4.5	Removal of existing trees and handover to the relevant authorities or dispose as directed by the Engineer	NO	20.00		
4.6	Removal of existing (traffic, guide) signs and deliver to AM and excavation of foundation, dispose excavated material to approved tip, backfilling of voids etc	NO	10.00		

5	**Road Works**				
5.1	Aggregate Road Base 150 mm thick (CBR>80%)	m²	200.00		
5.2	Aggregate Sub Base 150 mm thick. (CBR >30%)	m²	-		
5.3	Aggregate Road Base 200 mm thick. (CBR >30%)	m²	56,000.00		
6	**Surfacing**				
6.1	Asphalt Wearing course Depth 60 mm	m²	51,200.00		
6.2	Tack Coat (MC-70)	m²	-		
6.3	Prime Coat (MC-70)	m²	51,200.00		
	Rigid pavement				
7	Precast concrete intelocking block paving including 50 mm thick sand cushion the colour and patterans.				
7.1	Precast concrete intelocking block 80 mm thick size 200X100 mm pattern.	m2	4,800.00		
7.2	Precast concrete intelocking block 60 mm thick size 200X100 mm pattern.	m2	500.00		
	Supply and lay Precast concrete kerb including bedding and hunching and painting complete as per drawing				
7.3	Up stand kerb size 150 X 300 mm	LM	3,250.00		
7.4	Heel Curb	LM	945.00		
7.5	Flush kerb size 150 X 250 mm	LM	500.00		
	Spare ducts				
8	Supply and install UPVC ducts to BS3506 class C,200mm dia.Laid and jointed in trenches beneath carriage way for using as				
8.1	2-way, 200 mm dia depth not exceeding 1.5 m	LM	100.00		
8.2	2-way, 100 mm dia depth not exceeding 1.5 m	LM	850.00		
9	**Traffic signs & Road marking**				
9.1	Supply and install warning and regulatory signs including posts embedded in tiled area, ref. Dubai Traffic Control Devices Manual & DWG	L.S	1.00		
9.2	Surface marking; Thermo Plastic Marking as specification & drawing.	L.S	1.00		
10	**Adjusting manholes**				
10.1	Adjust cover levels of existing manholes to suit proposed levels.	NO	15.00		
11	**Potable Water Network**				
11.1	Precast reinforced concrete protection slabs (1200*500*150)mm placed over existing pipe lines as detailed on dwg including excavation, back filling and bitumen paint.	LM	200.00		

12	**ELECTRICAL NETWORK**				
12.1	Precast reinforced concrete protection Slabs placed over existing cables including excavation, backfilling and bitumen paint spare ducts etc.. All in accordance to the drawing and FEWA standared and specification - Proposed / Extension protection 1000x500x150mm thick.	LM	200.00		
	Concrete protection with split ducts to existing cables including carefully excavate, expose existing cable necessary connections, backfill including duct marker warning tape and all related works complete in accordance to the drawing and specification.				
12.2	1way 11 kv cable	LM	300.00		
12.3	2way 11 kv cable	LM	200.00		
12.4	3way 11 kv cable	LM	100.00		
12.5	Cable slewing including all necessary works	LM	200.00		
13	**ETISALAT & DU NETWORKs**				
13.1	Precast reinforced concrete protection slabs placed over existing duct including excavation, back filling, bitumen paint and all in accordance to the drawings and specifications 1000x500x150mm thick	LM	500.00		
13.2	Lay & Joint UPVC Cable Ducts (D54) 90mm dia. in trench including backfilling, endcap and all related work complete	LM	100.00		
13.3	4-way, depth not exceeding 1.5m	LM	100.00		
14	**ARMY CABLE WORKS**				
14.1	Lowering of exisiting live cable and supply and installation of Three additional duct -D54 with rope and warning tape as per standard.	LM	200.00		
14.2	Reinforced concrete protection with double layer waring tape and additional 4 Duct-D54 . 60x60 with 12mm steel and Rings at regural intervals . Bitument paint and Polytheen sheet will be provided and all work will be as per Army Standerd.	LM	200.00		
14.3	Manhole: construct complete suitable size reinforced concrete telecom manhole JRC12 (1.73M X 1.245M X 1.785M depth) . The manhole with reinforced concrete protection from underground water including heavy duty manhole	NO	2.00		

15	**Storm water works**				
	PIPE WORK supply &lay polyvinyl chloride pipes upvc non pressure pipe, in trench including excavation ,etc				
15.1	160mm dia Depth not exceeding 1.50m	LM	120.00		
15.2	250 MM DIA Depth 1.5 - 2.0 m	LM	50.00		
	Beds and surrounds Imported granular material bed & surrounds including geotextile, warining tape as applicable				
15.3	160mm dia uPVC pipe	LM	120.00		
15.4	250mm dia uPVC pipe	LM	50.00		
	Geotextile fiber fabric membane as per spec to granular bed surround granular bed and surriund measured separately.				
15.5	160mm dia uPVC pipe	LM	120.00		
15.6	250mm dia uPVC pipe	LM	50.00		
	Gullies				
15.7	Supply and install gully complete in locations as detailed on Dwg. including removable basket, concrete surround, gully frame and cover, excavation, backfilling, compaction and removal of surplus material to tip	NO	8.00		
	MANHOLES AND PIPE WORK ANCILLARIES				
15.8	Manhole type G complete in as detailed in dwg including frame and cover Manhole - depth 1.50 -2.0 m	NO	3.00		
15.9	Reinforced concrete infiltration tank as detailed on dwg. Including HD cover, excavation, backfilling, compaction ,geotextile, granular material bed & surrounds with internal dimensions 2X4X3 with wall and base thickness 30cm	NO	3.00		
15.10	Storm water concrete box culvert (3m width,1.5m height,0.3 m thickness) under the road.	ML	14.00		
15.11	irish crossing	NO	2.00		
16	**Other works**				
16.1	Carefully removing of existing pavement tiles and refixed according specifications.	M²	300.00		
16.2	carefully excavate and lower existing live cable (various diameter) including backfilling and reinstatement.	LM	100.00		
16.3	Excavation & Laying Of Future Ducts 3x150mm Dia	LM	100.00		
16.4	Mass concrete surround to (100 - 200) mm dia duct including formwork, polythene sheet and bituminous paint	LM	200.00		
16.5	tying to existing pavement including breakout existing pavement , saw cutting , vertical tack coat, all necessary works	LM	250.00		
	Total Amount				-

Note

All above quantites are remeasureable and calculated as per as built at site.