

Project: Ajman Roads Maintenance 2026 - 2027

Client: Ajman Municipality

Contractor :

item no	Description of Item	Unit	Quantity	Rate (Dhs)	Amount (Dhs)
A	• GROUND INVESTIGATION				
	TRIAL PITS AND TRENCHES				
	Excavate trial pits/trenches by hand tools to ascertain/verify locations of existing services including backfilling area of the bottom of the excavation				
	1.00 - 2.00 m2				
A1	Maximum depth not exceeding 1.00 m	nr	2.00		
A2	Maximum depth 1.00 - 2.00 m	nr	2.00		
	<u>area of the bottom of the excavation</u>				
	<u>2.00 - 3.00 m2</u>				
A3	Maximum depth not exceeding 1.00 m	nr	5.00		
A4	Maximum depth 1.00 - 2.00 m	nr	3.00		
*	<u>area of the bottom of the excavation</u>				
	<u>3.00 - 4.00 m2</u>				
A5	Maximum depth not exceeding 1.00 m	nr	3.00		
A6	Maximum depth 1.00 - 2.00 m	nr	30.00		
*	<u>DEMOLITION & SITE CLEARANCE</u>				
*	<u>General Clearance</u>				
A7	Carefully remove existing trees and damped to designated place.	nr	1.00		
*	<u>Concrete</u>				
A8	Removal of existing asphalt with pavement thickness	m2	1,500.00		
A9	Saw Cutting to match existing pavement with new	lm	1,000.00		
*	<u>Kerbs</u>				
A10	Break out and remove existing kerb with foundation and cart away to approved tip including backfilling with suitable material and compacting	lm	1,500.00		
A11	Remove existing kerb & reuse in other Place	lm	500.00		

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*	<u>Block paving</u>				
A12	Removal and Reinstall of existing interlock	m ²	1,500.00		
A13	Street Light relocation	nr	5.00		
A14	Removal of existing street light	nr	2.00		
A15	Removal of existing Feeder pillars	nr	5.00		
A16	Install of Feeder pillars	nr	2.00		
A17	Removal of existing column foundations	nr	5.00		
A18	Install of column foundations				
A19	Removal Cantilever signal	nr	2.00		
A20	Install of Cantilever signal	nr	2.00		
A21	Removal of existing manholes	nr	3.00		
A22	Removal foundations for Cantilever Signal Posts	nr	2.00		
A23	Install of concrete cover manhole	nr	2.00		
A24	Supply and Install 3 inch PVC pipe including all other fittings, excavation, backfilling.	m	50.00		
A25	Cable relocation and lowring	m	500.00		
A26	Traffic signs removals	nr	11.00		
A27	Gullies removals	nr	4.00		
A28	Manhole adjustment	nr	15.00		
**	<u>EARTHWORKS</u>				
	<u>General excavation</u>				
A29	Excavation for cutting : material other than top soil, rock or artificial hard material, maximum depth not exceeding 0.25 m	m ³	10.00		
A30	General excavation ; material other top soil,rock or artificial hard material maximam depth 0.5 m	m ³	1,500.00		
A31	General Excavation in rock or artificial hard material	m ³	50.00		
*	<u>Excavation ancillaries</u>				
	<u>Preparation of excavated surfaces to receive</u>				
A32	Trimming & Preparation of excavated surface to received to permanent work	m ²	500.00		
A33	Preparation of excavated surface;of rock or artificial hard material	m ²	200.00		
A34	Trimming and preparation of excavated surface island parking and footpath area	m ²	200.00		
A35	Disposal of excavated material, material other than top soil, rock or artificial hard material	m ³	200.00		

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*	<u>Filling</u>				
A36	General filling; selected excavated material other than topsoil or rock as per specified by engineer	m ³	1,000.00		
*	<u>Filling ancillaries</u>				
A37	Trimming of filled surfaces; material other than top soil, rock or artificail hard material	m ²	50.00		
A38	Preparation of filled surface; Material other than top soil, rock or artificial hard material	m ²	50.00		
**	<u>ROADS AND PAVINGS (all the rates for part 5 shall include all temporary traffic diversions</u> <u>Sub-basses, flexible road base and surfacing</u>				
*	<u>Sub Base</u>				
A39	Granular sub base, depth 150 mm	m ²	1,000.00		
A40	Granular sub base, depth 200 mm	m ²	1,000.00		
*	<u>Road Base</u>				
A41	Granular road base, depth 150 mm	m ²	1,000.00		
A42	Granular road base, depth 200 mm	m ²	1,000.00		
	<u>Surfacing</u>				
A43	Base course DBM; depth 60mm	m ²	1,000.00		
A44	Base course DBM; depth 70mm	m ²	1,000.00		
A45	Wearing course DBM; depth 40mm	m ²	1,000.00		
A46	Wearing course DBM; depth 50mm	m ²	1,000.00		
A47	Bituminous prime coat	m ²	1,000.00		
A48	Bituminous tack coat	m ²	1,000.00		
A49	Milling Machine including all cost	m ²	500.00		
A50	Cold recycling by an in situ recycler, providing laboratory mix formula, pulverizing the existing subbase or road base layer with thickness of 250–300 mm, and adding up to 4-5% cement according to the job mix formula, including spreading, watering, grading, and compaction	m ²	500.00		

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*	<u>Precast concrete kerbs:</u> <u>kerbs and edging including excavation, back filling, Concrete bed and backing as per detail</u>				
A51	Precast concrete up stand kerbs; 150 x 305 mm.	m	1,500.00		
A52	Precast concrete drop kerbs; 150 x 305 mm.	m	500.00		
A53	Precast concrete heel kerb; 75*150mm	m	100.00		
A54	Precast concrete flush kerb; 75*150mm	m	500.00		
*	<u>ROADS AND PAVINGS(Cont'd)</u> <u>Light Duty Pavements</u>				
A55	Granular sub-base ; layer depth 100mm	m ²	500.00		
*	<u>Precast concrete interlocking block paving:</u> <u>including 50mm thick sand bed; the colour & patterns of the paving blocks as specified by the Engineer</u>				
A56	Precast concrete interlocking block 60 mm thick (light duty)	m ²	1,500.00		
A57	Re usePrecast concrete interlocking block 60 mm thick (light duty)	m ²	500.00		
A58	Precast concrete interlocking block 80 mm thick (heavy duty)	m ²	1,500.00		
A59	Re usePrecast concrete interlocking block 80 mm thick (heavy duty)	m ²	100.00		

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B	<u>ROAD LIGHTING WORKS</u> <u>Miscellaneous</u> <u>Concrete foundations supply only.</u> <u>precast concrete lighting coloumn bases complete as detailed on the drawing Ref, FD/PSL/1.14,concrete ,holding down bolts</u>				
B1	Foundation 120cm*60cm*60cm	nr	20.00		
B2	Foundation 150cm*100cm*100cm	nr	20.00		
B3	Foundation 60cm*60cm*60cm	nr	20.00		
B4	Foundation 120cm*120cm*200cm	nr	10.00		
B5	foundation 80cm*85cm*35cm	nr	20.00		
B6	Cantilever foundation 1.2m * 1.2m * 3m	nr	2.00		
*	<u>FEWA (WD) WORKS</u> <u>Protection slabs</u> <u>Precast reinforced concrete protection slab size 1000*500*150mm thick placed above the pipe as directed by</u>				
B7	Existing 100 mmdia. Pipe line	nr	50.00		
B8	Existing 150 mmdia. Pipe line	nr	50.00		
B9	Existing 200 mmdia. Pipe line	nr	60.00		
B10	Existing 250 mmdia. Pipe line	nr	35.00		
B11	Existing 300 mmdia. Pipe line	nr	20.00		
B12	Existing 350 mmdia. Pipe line	nr	50.00		

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item no	Description of Item	Unit	Quantity	Rate (Dhs)	Amount (Dhs)
B13	<u>Supply and install 70cm*70cm*70cm precast manhole with heavy duty iron manhole cover as per the drawing and spicification with transportation</u>	nr	10		
B14	<u>Supply and install 1m*1m*90cm precast manhole with heavy duty iron manhole cover as per the drawing and spicification with Supply &lay upvc spare ducts in trench including end cap , draw ropes ,studs &concrete duct markers as specified</u>	nr	10		
B15	2 WAY ,100 mm dia. Depth not exceeding 1.5m	m	50.00		
B16	2 WAY ,200 mm dia .Depth not exceeding 1.5 m	m	10.00		
B17	Disposal of structural material to approved damped factory in jurf area	M3	1.00		
B18	Supply and lay asphalt with existing structure include saw cutting, surface preparation, compaction laying and finishing.	Ton	500.00		
B19	Replace and repair damage expension by removing existing damaging pieces, repair damaged bedding mortar edge, replace standard damage strip with new by doing torque a and top sealant.	lm	1.00		
B20	Painting of existing upstand kerb.	lm	200.00		
B21	Supply and fix asphaltic pedestrian speed hump 11*7.3*0.15 m- slope 3m with 5cm steel sleeves excluding road marking.	m²	300.00		
B22	Supply and fix interlocking pedestrian speed hump11*7.3*0.15 m - slope 3m with 5cm steel sleeves excludina road marking.	m²	80.00		
B23	Supply and fix drainage channel with heavy duty road way frame hot dipped galvanized finishing steel grating 250mm wide include SRC concrete 100mm wall and base thick complete.	lm	1.00		
B24	Supply and lay concrete block manhole 60cm*60cm*60cm with include DI cover complete.	nr	1.00		
B25	Supply and lay gravels with geotextile as required size.	m3	1.00		
B26	Supply and lay upvc condut duct of irrigation line 32mm dia include laying, excavation, backfilling and other related item complete.	LM	50.00		
B27	Supply and lay upvc condut duct of irrigation line 50mm dia include laying, excavation, backfilling and other related item complete.	LM	100.00		

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item no	Description of Item	Unit	Quantity	Rate (Dhs)	Amount (Dhs)
B28	Supply and lay upvc conduit duct of irrigation line 80mm dia include laying, excavation, backfilling and other related item complete.	LM	100.00		
B29	Supply and lay upvc conduit duct of irrigation line 100mm dia include laying, excavation, backfilling and other related item complete.	LM	150.00		
B30	Supply and lay surrounding concrete 25/20 SRC around existing pipe line include water proofing excavation and backfilling.	LM	50.00		
B31	Supply and lay electric cable paige # 14 excavation and backfilling.	LM	100.00		
B32	Supply and fix Steel fence include concrete base complete.	lm	50.00		
B33	precast concrete interlocking block 600X600X60 mm thick size (light duty)	m2	50.00		
B34	precast concrete interlocking block 100X100X60 mm thick size (light duty)	m2	100.00		
C	<u>Storm water DRAINAGE</u>				
	<u>PIPE WORK</u>				
*	<u>supply &lay polyvinyl chloride pipes upvc non pressure pipe , in trench ,including excavation ,etc</u> supply &lay polyvinyl chloride pipes upvc non pressure pipe , in trench ,including excavation ,etc 160mm dia				
C1	Depth not exceeding 1.50m	m	50		
	200mm dia				
C2	Depth not exceeding 1.50	m	80		
C3	Depth 1.50 - 2 m	m	30		
	250mm dia				
C4	Depth1.5 - 2m	m	30		
C5	Depth 2 - 3 m	m	30		

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item no	Description of Item	Unit	Quantity	Rate (Dhs)	Amount (Dhs)
C6	<u>Gullies</u> Gully complete in location as per drawing including removable plastic basket concrete surround gully frame & cover excavation etc	nr	20		
	<u>Manhole</u> Cast insitu concrete manholes ,as per the standards and detial drawing in location as in drawing including excavations, back filling, side supports, dewatering, wall piece, Cicover, Lining. Water Proofing <u>Diameter 1500mm</u>				
C7	Manhole depth 1.5 - 2.0 m	nr	10		
C8	Manhole depth 2.0 -3.0 m	nr	10		
C9	Manhole depth 3.0 -4.0 m	nr	10		
*	<u>PIPE WORK</u> <u>supply &lay polyvinyl chloride pipes upvc non pressure pipe , in trench ,including excavation ,etc</u> supply &lay polyvinyl chloride pipes upvc non pressure pipe , in trench ,including excavation ,etc <u>Nominal bore 300 - 600mm</u>				
C10	315mm dia pipe; depth 2.0 - 3.0m	m	30.00		
C11	315mm dia pipe; depth 3.0 - 4.0m	m	30.00		
	<u>Supply and lay GRP pipes laid and jointed in trenches including excavation, backfilling, testing, etc....</u> <u>Nominal bore 300 - 600mm</u>				
C12	400 mm dia pipe; depth 2.0 - 3.0m	m	50.00		
C13	500 mm dia pipe; depth 3.0 - 4.0m	m	50.00		
C14	600 mm dia pipe; depth 2.0 - 3.0m	m	30.00		
	<u>PIPEWORK - FITTINGS AND VALVES</u> <u>Supply and installation of uPVC-fittings</u>				
C15	160mm dia 45 degree Bend	nr	5.00		
C16	250mm dia x 160mm dia junction	nr	3.00		
C17	315mm dia x 160mm dia junction	nr	2.00		
	<u>Supply and installation of GRP fittings</u>		2.00		
C18	315mm dia x 150mm dia junction	nr	2.00		

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C19	<u>INFILTRATION TANKS</u> Supply and install infiltration tank size (3X3X2) m including excavation backfilling all necessary fittings.	nr	1.00		
C20	Supply and install infiltration tank size (2X4X3)m including excavation backfilling all necessary fittings.	nr	1.00		
C21	Supply and install infiltration tank size (3X4X3)m including excavation backfilling all necessary fittings.	nr	1.00		
C22	Supply and install infiltration tank size (2X2X3)m including excavation backfilling all necessary fittings.	nr	1.00		
C23	<u>Slotted land drain with gravel trench, including excavation, uPVC slotted pipe and fittings, natural gravel bed and surround, natural gravel fill, sand back fill, geotextile membrane and removal surplus excavated material; complete</u> <u>Nominal bore not exceeding 200mm</u> 200 mm dia pipe; depth not exceeding 1.5m	m	25.00		
*	<u>NDRC Crossing</u> <u>Supply and installation of HDPE pipe by approved non destructive crossing method HDD including all necessary arrangements, fittings, etc as specified. (Contractor to submit the proposal & method statement from the specialist subcontractors for Engineer's approval)</u>				
C24	For 100mm dia pipe	m	20		
C25	For 200mm dia pipe	m	100		
C26	For 250mm dia pipe	m	50		
C27	For 450mm dia pipe	m	50		
	<u>BEDS AND SURROUNDS</u> <u>Imported granular material beds and surrounds to pipes including warning tape</u>				
C28	160mm dia uPVC pipe	m	50.00		
C29	200mm dia uPVC pipe	m	50.00		
C30	250mm dia uPVC pipe	m	50.00		
C31	315mm dia uPVC pipe	m	30.00		
C32	400mm dia GRP pipe	m	30.00		
	600mm dia GRP pipe	m	30.00		

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C33	<u>Mass concrete Class 25/20, beds and surrounds including polythene sheet, bitumen paint and warning tape as applicable</u> 160mm dia uPVC pipe	m	30.00		
C34	250mm dia uPVC pipe	m	30.00		
	<u>WRAPPING AND LAGGING</u> <u>Enclose granular surround (measured separately) with geotextile filter fabric membrane around pipes</u>				
C35	160mm dia uPVC pipe	m	50.00		
C36	200mm dia uPVC pipe	m	50.00		
C37	250mm dia uPVC pipe	m	50.00		
C38	315mm dia uPVC pipe	m	30.00		
C39	400mm dia GRP pipe	m	30.00		
C40	600mm dia GRP pipe	m	30.00		
C41	Connect existing pipe /manhole including excavation, necessary fittings, couplers, short pipes over pumping diversion dewatering backfilling etc complete.	nr	1.00		
C42	Connect existing pipe /gully including excavation, necessary fittings, couplers, short pipes over pumping diversion dewatering backfilling etc complete.	nr	2.00		
C43	Adjust cover levels of existing gullies to suit proposed levels, maximum level adjustment 1.0m	nr	4.00		
C44	Adjust cover levels of existing drainage manholes to suit proposed levels, maximum level adjustment 1.0m	nr	3.00		
C45	Repair of a broken stormwater drainage line located within the roadway, with diamter of of Ø800 mm GRP pipe.	m	20.00		

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	REPAIRING				
C46	Repair of a broken stormwater drainage line located within the roadway, with diamter of of Ø600 mm GRP pipe.	m	20.00		
C47	Repair of a broken stormwater drainage line located within the roadway, with diamter of of Ø600 mm GRP pipe.	m	20.00		
C48	Repair of a broken stormwater drainage line located within the roadway, with diamter of of Ø400 mm UPVC Class 10 pipe.	m	20.00		
C49	Repair of a broken stormwater drainage line located within the roadway, with diamter of of Ø200 mm UPVC Class 10 pipe.	m	20.00		
C50	Repair of a broken stormwater drainage line located within the roadway, with diamter of of Ø250 mm , Mild Steel pipe.	m	20.00		
C51	Repair of 350mm diameter 90- degree GRP elbow inside pump station	nr	1.00		
C52	Repair of 450mm diameter 90- degree GRP elbow inside pump station	nr	1.00		
C53	Repair of 250mm diameter 90- degree GRP elbow inside pump station	nr	1.00		
C54	Repair of a broken gully cover located within the service road. The work shall include all concrete works, traffic diversion arrangements, and installation of safety barriers around the work area.	nr	5.00		
C55	Repair of a broken gully cover located within the roadway. The work shall include all concrete works, traffic diversion arrangements, and installation of safety barriers around the work area.	nr	5.00		
C56	Repair of a broken manhole cover located within the service road. The work shall include all concrete works, traffic diversion arrangements, and installation of safety barriers around the work area.	nr	5.00		
C57	Repair of a broken manhole cover located within the roadway. The work shall include all concrete works, traffic diversion arrangements, and installation of safety barriers around the work area.	nr	5.00		
Gross Total					
Net Total					