

Surface repairs to roads, sidewalks and trench re-instatements as and when required on various roads within the South Central Region of Ethekweni Municipality for 24 months

BILL OF QUANTITIES

SECTION 1 SECTION 1 : PRELIMINARY AND GENERAL

PART AA PRELIMINARIES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.AB.12	Provision for C.L.O as per engineers instruction(Proof of hours worked to be attached to claim)	PC Sum	200000	1.00	200,000.00
2	PS.AB.8	Contractor fixed obligations	sum	1		
3	PS.AB.9	Time Related obligations	months	24		

TOTAL CARRIED TO SECTION 1 SUMMARY: SECTION 1 : PRELIMINARY AND GENERAL

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PART AH OCCUPATIONAL HEALTH and SAFETY

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	AH.14.1	Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	sum	1		
2	AH.14.2	Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	sum	1		
3	AH.14.3	Submission of the Health and Safety File	sum	1		

TOTAL CARRIED TO SECTION 1 SUMMARY: SECTION 1 : PRELIMINARY AND GENERAL

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SECTION 2 SECTION 2 : ROADS

PART ED ROAD ASPHALT

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.ED.9, Part S& Part EB of standard specification	Category 'B' Full Depth Repair 150mm G2 graded crushed stone, 160mm Asphalt for greater than 5m ²	m2	500		
2	PS.ED.9, Part S& Part EB of standard specification	Category 'B' Full Depth Repair 150mm G2 graded crushed stone, 160mm Asphalt for less than 5m ²	m2	500		
3	PS.ED.9, Part S& Part EB of standard specification	Category 'C' Full Depth Repair 150mm G2 graded crushed stone, 80mm Asphalt for areas greater than 5m ²	m2	4000		
4	PS.ED.9, Part S& Part EB of standard specification	Category 'C' Full Depth Repair 150mm G2 graded crushed stone, 80mm Asphalt for areas less than 5m ²	m2	3000		
5	PS.ED.9, Part S& Part EB of standard specification	Category 'D' Full Depth Repair 150mm G2 graded crushed stone, 50mm Asphalt for areas greater than 5m ²	m2	2750		
6	PS.ED.9, Part S& Part EB of standard specification	Category 'D' Full Depth Repair 150mm G2 graded crushed stone, 50mm Asphalt for areas less than 5m ²	m2	2750		
7	PS.ED.10 Part S& Part EB of standard specification	Replacement of Existing Asphalt Surface only at 160mm Depth for areas greater than 5m ²	m2	500		
8	PS.ED.10 Part S& Part EB of standard specification	Replacement of Existing Asphalt Surface only at 160mm Depth for areas less than 5m ²	m2	500		
9	PS.ED.10 Part S& Part EB of standard specification	Replacement of Existing Asphalt Surface only at 80mm Depth for areas greater than 5m ²	m2	4000		
10	PS.ED.10 Part S& Part EB of standard specification	Replacement of Existing Asphalt Surface only at 80mm Depth for areas less than 5m ²	m2	2750		
11	PS.ED.10 Part S& Part EB of standard specification	Replacement of Existing Asphalt Surface only at 50mm Depth for areas greater than 5m ²	m2	2750		
12	PS.ED.10 Part S& Part EB of standard specification	Replacement of Existing Asphalt Surface only at 50mm Depth for areas less than 5m ²	m2	2750		

TOTAL CARRIED TO SECTION 2 SUMMARY: SECTION 2 : ROADS

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SECTION 3 SECTION 3.1 : ASPHALT SIDEWALKS

PART ED ROAD ASPHALT

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.ED.9, Part S& Part EB of standard specification	Category 'E' Full Depth Repair 100mm G2 graded crushed stone, 25mm asphalt for areas greater than 5m ²	m2	1000		
2	PS.ED.9, Part S& Part EB of standard specification	Category 'E' Full Depth Repair 100mm G2 graded crushed stone, 25mm asphalt for areas less than 5m ²	m2	600		
3	PS.ED.10 Part S& Part EB of standard specification	Replacement of Existing Asphalt Surface only at 25mm Depth for areas greater than 5m ²	m2	1000		
4	PS.ED.10 Part S& Part EB of standard specification	Replacement of Existing Asphalt Surface only at 25mm Depth for areas less than 5m ²	m2	600		
5	PS.ED.9, Part S& Part EB of standard specification	Extruded ASPHALT Haunch/Kerb 150mm High Profile	m	100		
6	PS.ED.11	Saw cutting in asphalt where instructed by the Engineer 50-100mm depth	m	500		
7	PS.EG.5.1.1	Application of weed Killer per Engineers instruction	m2	750		

TOTAL CARRIED TO SECTION 3 SUMMARY: SECTION 3.1 : ASPHALT SIDEWALKS

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SECTION 4 SECTION 3.2 : CONCRETE SIDEWALKS, KERBS, HAUNCHES

PART EF KERBS AND HAUNCHES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	EG	Replacement of Precast Concrete Slabs(from 450mm square to 610mm square)	m2	1000		
2	PS.ED.13	Cast In Situ Concrete(25/19) 100mm Thick-Wood Float Finish and Jointed to suit surrounding paving	m2	1000		
3	EG	Supply and Lay Clay Brick Pavers	m2	500		
4	EG	Supply and Lay Concrete Brick Pavers	m2	150		
5	EG	Supply and Lay Concrete Rumble Stone	m2	200		
6	EG	Supply and Lay Concrete Cobble Stone	m2	200		
7	PS.EF.14	Supply and Lay Precast Concrete Barrier Kerb (Fig.6 only)	m	500		
8	PS.EF.15	Supply and Lay Precast Concrete Mountable Kerb(Fig 8 only)	m	350		
9	EF	Cast In Situ Concrete channel (300mm Wide) or Fillet (100mm Wide)	m	100		
10	EF	Fillet (100mm wide)	m	100		
11	PS.ED.12	Saw-Cut to 100mm Depth in Concrete Paving where necessary	m	150		
12	PS.ED.14	Repair/Replace Expansion Joints in Concrete or Brick Paved Areas to a Depth of 100mm, including all Cutting and Sealing	m	150		
13	EF	Remove/break out existing kerb and channel/fillet	m3	20		

TOTAL CARRIED TO SECTION 4 SUMMARY: SECTION 3.2 : CONCRETE SIDEWALKS, KERBS, HAUNCHES

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SECTION 5 SECTION 4.1 : ACCESS HARDENING IN ASPHALT

PART EG SIDEWALKS, FOOTPATHS and MEDIAN AREAS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.EG.16	Category 'D' (Residential) Full Depth Incl.Kerb Relay 150mm Crusher Run 50mm Asphalt	m2	200		
2	PS.EG.16	Category 'C' (Commercial) Full Depth Incl.Kerb Relay 150mm Crusher Run 80mm Asphalt	m2	150		
3	PS.EG.16	Category 'B' (Industrial) Full Depth Incl.Kerb Relay 150mm Crusher Run 160mm Asphalt	m2	50		

TOTAL CARRIED TO SECTION 5 SUMMARY: SECTION 4.1 : ACCESS HARDENING IN ASPHALT

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SECTION 6 SECTION 4.2 : ACCESS HARDENING IN CONCRETE

PART EG SIDEWALKS, FOOTPATHS and MEDIAN AREAS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.EG.16	Residential - Full Depth 150mm G2 graded crushed stone, 100mm concrete kerb relay and supply of all low profile and mountable kerbs	m2	50		
2	PS.EG.16	Commercial - Full Depth 150mm G2 graded crushed stone, 100mm concrete including kerb relay and the supply of all precast concrete products	m2	20		
3	PS.EG.16	Industrial - Full Depth 150mm G2 graded crushed stone, 225mm concrete including kerb relay	m2	15		

TOTAL CARRIED TO SECTION 6 SUMMARY: SECTION 4.2 : ACCESS HARDENING IN CONCRETE

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SECTION 7 SECTION 5 : RAISING OR LOWERING OF SERVICES

PART ED ROAD ASPHALT

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>RAISING OR LOWERING OF SERVICES</u>				
1	PS.ED.15	Raise/lower existing manholes fitted with concrete cover and frame in paved area: 0 to 100mm	no.	10		
2	PS.ED.15	Raise/lower existing manhole fitted with cast iron cover and frame in paved area: 0 to 100 mm	no.	10		
3	PS.ED.15	Raise/lower cast iron water valve cover in paved area: 0 to 100mm	no.	10		
4	PS.ED.15	Raise/lower cast iron T.S.M cover in paved area: 0 to 100mm	no.	5		

TOTAL CARRIED TO SECTION 7 SUMMARY: SECTION 5 : RAISING OR LOWERING OF SERVICES

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Surface repairs to roads, sidewalks and trench re-instatements as and when required on various roads within the South Central Region of Ethekweni Municipality for 24 months

SECTION 8 SECTION 6 : "C.P.M." TRENCH REINSTATEMENT

PART ED ROAD ASPHALT

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.ED.16, Part S and Part EB of standard specification	Category 'B' C.P.M Repair 160mm Asphalt only for areas greater than 5m ²	m2	250		
2	PS.ED.16, Part S and Part EB of standard specification	Category 'B' C.P.M Repair 160 mm Asphalt only for areas less than 5m ²	m2	250		
3	PS.ED.16, Part S and Part EB of standard specification	Category 'C' C.P.M Repair 80mm Asphalt only for areas greater than 5m ²	m2	800		
4	PS.ED.16, Part S and Part EB of standard specification	Category 'C' C.P.M Repair 80mm Asphalt only for areas less than 5m ²	m2	800		
5	PS.ED.16, Part S and Part EB of standard specification	Category 'D' C.P.M Repair 50mm Asphalt only for areas greater than 5m ²	m2	800		
6	PS.ED.16, Part S and Part EB of standard specification	Category 'D' C.P.M Repair 50mm Asphalt only for areas less than 5m ²	m2	800		
7	PS.ED.16, Part S and Part EB of standard specification	Category 'E' C.P.M Repair 30mm Asphalt only for areas less than 5m ²	m2	500		
8	PS.ED.16, Part S and Part EB of standard specification	Category 'E' C.P.M Repair 30mm Asphalt only for areas greater than 5m ²	m2	500		

TOTAL CARRIED TO SECTION 8 SUMMARY: SECTION 6 : "C.P.M." TRENCH REINSTATEMENT

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SECTION 9 SECTION 7 : EARTHWORKS: STRUCTURES

PART DD EARTHWORKS FOR STRUCTURES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.DD.8.11.1	Supply, Backfilling and Compaction of trenches, reinstatements,undermining using G2 material supplied by the Contractor	m3	200		
2	PS.DD.8.11.1	Supply, Backfilling and Compaction of trenches, reinstatements,undermining using G5 material supplied by the Contractor	m3	100		

TOTAL CARRIED TO SECTION 9 SUMMARY: SECTION 7 : EARTHWORKS: STRUCTURES

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