

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 1200 GENERAL REQUIREMENTS AND PROVISIONS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200		SECTION 1200: GENERAL REQUIREMENTS AND				
B12.01		protected;				
		services and houses	PC Sum	1	850000	850 000,00
		charges in respect of sub-item B12.01 (a) above.	%	850 000,00		
		(c) Provision for the protection, relocate or repairs to existing services by the Contractor	Prov. Sum	1	200000	200 000,00
B12.02		Careful excavation by hand to expose existing services	m ³	35		
B12.03		CETA accredited training course				
		(a) Technical skills	PC Sum	1	100000	100 000,00
		(b) Generic and Management skills	PC Sum	1	100000	100 000,00
		(c) Training venue	PC Sum	1	100000	100 000,00
		training	Prov Sum	1	40000	40 000,00
		(e) Contracotr's handling cost, profit and all other charges in respect of Subitems B12.03(a),(b),(c) & (d).	%	340 000,00		
B12.04		Remuneration of the Project Liaison Officer and members of the Project Liaison Committee;				
		(a) Community Liaison Officer remuneration	Prov Sum	1	48000	48 000,00
		member expenses	Prov Sum	1	10000	10 000,00
		(c) Contractor's handling cost, profit and other charges in respect of Subsections B12.02 (a) and (b)	%	58 000,00		
B12.05		(a) Provision of a Construction Safety Consultant on site for the duration of construction	Prov Sum	1	250000	250 000,00
		Subitem B12.05 (a)	%	250000		
B12.06		Environmental Management				
		the duration of construction	Prov Sum	1	250000	250 000,00
		(b) Contractor's handling costs, profit and all other charges in respect of item B 12.06 (a) above	%	250000		
B12.07		Relocation of graves				
		etc	Prov Sum	1	250000	250 000,00
		(b) Contractor's handling costs, profit and all other charges in respect of item B 12.07 (a) above	%	250000		
1200		TOTAL CARRIED TO NEXT PAGE				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 1200 GENERAL REQUIREMENTS AND PROVISIONS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B12.08		BROUGHT FORWARD FROM PREVIOUS PAGE				
		Project Launch	Prov Sum	1	150000	150 000,00
		12.08 above	%	150000		
B12.09		Surveys required by the Engineer				
		(a) Payment of surveyors nominated by the Engineer for surveys instructed and specified by the Engineer	PC Sum	1	35000	35 000,00
		(b) Contractor's handling costs, profit and all other charges in respect of item B 12.09 (a) above	%	35000		
B12.10		Supply, transport and erect Contract information boards	No	2		
1200		TOTAL CARRIED MAIN SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 1300 CONTRACTOR'S ESTABLISHMENT ON SITE		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1300		CONTRACTOR'S ESTABLISHMENT ON SITE AND				
13,01		Contractor's Fixed-charge and Value-related items				
		(a) Fixed-charge items	Lump Sum	1		
		(b) Value-related charge items	Lump Sum	1		
		(c) Time related obligation (Lump sum per month)	Month	8		
		NB. The total tendered for subitems (a), (b), and (c) above shall not exceed 15% of the Tender Sum				
13,02		Occupational Health and Safety				
		(a) Compile a Health and Safety file to be kept on site and maintained for the duration of the contract	Lump Sum	1		
		(b) Issue notification of construction works in terms of	Lump Sum	1		
1300		TOTAL CARRIED TO MAIN SUMMARY				

THULAMELA LOCAL MUNICIPALITY				SCHEDULE OF QUANTITIES		
BID NUMBER: 47/2022/2023				SECTION 1400		
UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				ENGINEER'S HOUSING, OFFICE & LABORATORIES		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1400		HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL				
14,01		Office and laboratory accommodation				
		(a) Offices (Interior floor space only)	m ²	100		
		(e) Ablution units	m ²	18		
		(f) Stores	m ²	30		
14,02		Office and laboratory furniture				
		(a) Chairs	No	12		
		(d) Desks complete with drawers and locks	No	2		
		(f) Conference tables	No	1		
14,03		Office and laboratory fittings, installations and equipment				
		(a) Items measured by number				
		(i) 220/250 volt power points	No	4		
		(ix) Wash hand basins completed with tap and drains	No	2		
		(x) Fire extinguishers, 9,0 kg, all purpose dry powder type, complete, mounted on wall with brackets	No	2		
		(xi) Air-conditioning units with, 2,2 minimum capacity, mounted and with own power connection	No	1		
		(xiv) General purpose steel cupboards and shelves	No	2		
		(xvi) Refrigerator (170 lt)	No	1		
		(b) Prime cost items and items paid for in lump sum				
		(i) The provision of telephone service, including the cost of calls in connection with contract administration	PC sum	1	35000	35 000,00
		(ii) Handling costs	%	35 000,00		
14,07		Rented, hotel and other accommodation				
		(a) Provisional Sum for providing rented housing, hotel or	Prov sum	1	42000	42 000,00
		(b) Handling costs	%	42 000,00		
14,08		Services				
		(a) Services at laboratory and office				
		(i) Fixed costs	Lump sum	1		
		(ii) Running costs (sum per month)	Month	8		
14,11		Supply of Survey Equipment, Computer and Printers				
		(i) Computer (HP intel core i7 Laptop, 8gb ram)	No	2		
		(ii) Printer (HP Color laser MFP 179 fnw printer)	No	1		
		(iii) Provision of survey equipment (Bosch Optical Level-Gol 32 D Set)	No	1		
1400		TOTAL CARRIED TO MAIN SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 1500 ACCOMMODATION OF TRAFFIC		
ITEM	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1500		SECTION 1500: ACCOMMODATION OF TRAFFIC				
15,01		Accommodating traffic and maintaining temporary deviations	Km	3		
15,02		Earthworks for temporary deviations:				
		(a) Shaping of temporary deviations	Km	3		
		(b) Cut and borrow to fill	m ³	1340		
		(c) Cut to spoil	m ³	480		
15,03		Temporary traffic-control facilities:				
		(a) Flagmen	Lump sum	1		
		(b) Portable STOP and GO-RY signs	No	6		
		(d) Amber flicker lights	No	2		
		(e) Road signs, R- and TR-series	No.	10		
		(f) Road signs, TW-series	No	10		
		(h) Danger plates and delineators	No	15		
		(j) Traffic cones	No	16		
		(n) Drums	No	4		
15,04		Re-location of traffic control facilities	Lump sum	1		
15,05		Gravelling and repair of temporary deviations	Km	3		
15,06		Watering of temporary of temporary deviations	Kl	2640		
15,07		Temporary culverts				
		culverts				
		(i) 900mm dia	m	40		
		(b) Removal of temporary prefabricated culverts				
		(i) 900mm dia	m	40		
15,14		Safety equipment for use by engineer				
		(a) Rotating amber light (with Magnetic Base)	No.	3		
		(b) Safety Jackets and hats	No.	4		
15,15		Penalty to be deducted for non-compliance with requirements for traffic accommodation				
		(a) Fixed penalty per occurrence	No	1	5000	5 000,00
		(b) Time related penalty	No	1	2500	rate only
1500		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 1600 OVERHAUL		
ITEM	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1600		SECTION 1600: OVERHAUL				
16,01		Overhaul on material hauled in excess of a free-haul haul up to or through 1.0 km (restricted overhaul)	m ³	3570		
16,02		overhaul)	m ³ -km	10 175		
1600		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 1700 CLEARING AND GRUBBING		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700		SECTION 1700: CLEARING AND GRUBBING				
17,01		Clearing and grubbing	ha	3		
17,02		Remove and grub large trees and tree stumps of girth				
		(a) Over 1m and up to and including 2m	No	1		
		(b) Over 2m and up to and including 3m	No.	1		
17,03		Reclearing of surfaces (on the written instruction of the	ha	0,1		
17,04		Demolition, removal and disposal off site of structures				
		(a) Unreinforced Concrete	m ³	15		
		(b) Reinforced Concrete	m ³	15		
		(c) Masonary	m ³	30		
1700		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 2100 DRAINS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2100		SECTION 2100: DRAINS				
21,01	L I	Excavation for open drains (a) Excavation in soft material situated within the below the surface level: (i) 0 m up to 1.5 m (ii) Exceeding 1.5 m and up to 3.0 m material irrespective of depth	m ³ m ³ m ³	180 12,5 10		
21,02	L I	Clearing and shaping existing open drains	m ³	46,25		
21,03	L I	Excavation for subsoil drainage system (a) Excavating soft material situated within the following depth ranges below the surface level (i) 0 m up to 1.5 m (ii) Exceeding 1.5 m and up to 3.0 m (b) Extra over sub item 21.03(a) for excavation in hard of depth	m ³ m ³ m ³	375 63 21,25		
21,04	L I	Impermeable backfilling to subsoil drainage systems	m ³	58		
21,06		Natural permeable material in subsoil drainage systems (mm stone)	m ³	60		
21,07		Natural permeable material in subsoil drainage systems (a) Sand obtained from approved commercial sources	m ³	60		
21,08	L I	Pipes in subsoil drainage systems (a) Unplasticised PVC pipes and fittings, normal duty, (i) 110 mm dia perforated pipe	m	350		
21,09		Polyethylene sheeting, 0.15 mm thick, or similar approved material, for lining subsoil drainage systems	m ²	250		
21,10		Synthetic fibre filter fabric (a) Kaytech Grade A2	m ²	1250		
21,12	L I	Concrete outlet structures for subsoil drainage systems	No.	5		
21,13	L I	Concrete caps for subsoil drain pipes	No.	5		
21,19		Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density	m ³	300		
2100		TOTAL CARRIED FORWARD TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY			SCHEDULE OF QUANTITIES			
BID NUMBER: 47/2022/2023			SECTION 2200			
UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L			PREFABRICATED CULVERTS			
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200		SECTION 2200: PREFABRICATED CULVERTS				
22,01		Excavation (a) Excavation in soft material situated within the following depth ranges below surface level: (i) 0 m up to 1.5 m (ii) Exceeding 1.5 m and up to 3.0 m (b) Extra over sub item 22.01(a) for excavation in hard material irrespective of depth	m ³ m ³ m ³	900 310 85		
22,02	L I	Backfilling (a) Using excavated material	m ³	1000		
	L I	(b) Using imported selected material	m ³	300		
	L I	(c) Extra over sub item 22.02 (a) and (b) for soil cement (i) Backfill with soilcrete at 5% cement content	m ³	100		
22,03		Concrete pipe culverts: on class B bedding (i) 600 mm dia. Class 75D spigot and socket jointed pipes in accordance with SANS 677 (ii) 750 mm dia. Class 75D spigot and socket jointed pipes in accordance with SANS 677 (iii) 900 mm dia. Class 75D spigot and socket jointed pipes in accordance with SANS 677 (iv) 1200 mm dia. Class 75D spigot and socket jointed pipes in accordance with SANS 677 (v) Channelizing inlet and outlet structures	m m m m m ³	0 440 0 0 40	0 0 0	Rate Only Rate Only Rate Only
22,05		Prefabricated Portal Culverts Supply and install Precast Concrete Portal Culverts as (a) Prefabricated portal culverts without prefabricated concrete slab to be 300 mm thick. (i) 1200 x 1200 mm (ii) 1500 x 1500 mm (iii) 2100 x 1500 mm	m m m m m	120 12 60		
22,06		Extra over items 22.03, 22.04 and 22.05 for constructing	m	0		Rate Only
22,07	L I	Cast in situ concrete and formwork (b) in floor slabs for portal or rectangular culverts, including formwork. Class 30MPa/19mm concrete	m ³	150		
2200		CARRIED FORWARD TO THE NEXT PAGE				

ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		BROUGHT FORWARD FROM PREVIOUS PAGE				
	L I	(c) Inlet and outlet structures, catch pits, manholes, excluding form work but including class U2 surface finish. Class 30 Mpa/19mm Concrete	m ³	28		
	L I	(d) Formwork of concrete under sub item 22.07 (c)				
		(i) Class F1 surface finish	m ²	80		
		(ii) Class F2 surface finish	m ²	110		
22,08	L I	Concrete infill for culverts (15 Map/19 mm).	m ³	10		
22,10		Steel reinforcement:				
		(a) Mild steel bars	ton	0,5		
		(b) High tensile steel - Y10 Stools	ton	1		
		(c) Welded steel fabric (Ref.888)	Kg	6500		
22,12		Removing existing concrete				
		(a) Plain Concrete	m ³	20		
		(b) Reinforced concrete	m ³	20		
22,14	L I	Removing and stacking existing pipe culverts of all sizes	m	30		
22,17	L I	Manholes, catchpits,precast inlet and outlet structures				
		(a) Junction Boxes	no	1		
		(b) Catchpits	no	12		
22,23		Service ducts				
		(a) Ordinary pipes (160 mm diameter uPVC pipe)	m	40		
22,24		Service duct marker blocks	No.	15		
22,25		Overhaul on excavated material carted to spoil, backfill Portland cement in case of soil cement), existing structures demolished and removed to spoil and removing and re-laying, and removing and staking for haul in excess of free-haul distance of 1 km	m ³ -km	350		
22,28	L I	Prefabricated reinforced-concrete skew end units for concrete culverts constructed at a skew angle	No.	1		
2200		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY				SCHEDULE OF QUANTITIES		
BID NUMBER: 47/2022/2023				SECTION 2300		
UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				CONCRETE KERBING, CHUTES AND OPEN DRAINS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2300	LIC	SECTION 2300: CONCRETE KERBING, CHANNELLING, CHUTES AND DOWNPIPES AND CONCRETE LININGS FOR OPEN DRAINS				
23,01		Concrete kerbing				
	L I	(a) Prefabricated non-mountable kerb, SABS 927. Type	m	500		
	L I	(b) Prefabricated mountable kerb, SABS 927. Type Fig.	m	5300		
	L I	(c) Cast in situ concrete mountable kerb class 25/19 mm with U2 surface finish, 300 mm wide, 125 mm facing the	m	20		
23,02	L I	(c) Concrete kerbing-channelling (300 mm min channel)	m	100		
23,03	L I	Concrete Chutes				
		(a) Types C, D and E Prefabricated Drainage Chutes	No.	3		
23,07	L I	Trimming of excavations for concrete-lined open drains				
		(a) In soft material	m ²	100		
		(b) In hard material	m ²	10		
23,08	L I	Concrete lining for open drains				
		(a) Cast in situ concrete lining class 25/19 mm for concrete drains with Class U2 finish.	m ³	18		
23,09	L I	Concrete access slabs				
		(a) Cast in situ concrete class 25/19 mm for concrete access slabs with Class U2 finish.	m ²	40		
23,10	L I	Formwork to cast in situ concrete lining for open drains and access slabs (Class F2 surface finish):				
		face only	m ²	145		
		(c) To ends of slab	m ²	15		
23,11	L I	Sealed joints in concrete linings of open drains with soft	m	250		
23,12	L I	Class 20 Mpa Concrete screed or backfill below chutes.	m ³	3		
23,13		Steel reinforcement				
		(c) Welded steel fabric (Ref.193)	Kg	1200		
		(d) Welded steel fabric (Ref.395)	Kg	1800		
2300		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 3100 BORROW MATERIALS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100		SECTION 3100: BORROW MATERIALS				
31,01		Excess Overburden	m ³			Rate only
31,03		Finishing off borrow areas in				
		(a) Hard material	m ³			Rate only
		(b) intermediate material	m ³			Rate only
		(c) Soft material	m ³			Rate only
3100		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 3200 SELECTION, STOCKPILING & BREAKING MATERIAL		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3200		SECTION 3200: SELECTION, STOCKPILING AND BREAKING DOWN THE MATERIAL FROM BORROW PITS AND CUTTINGS, AND PLACING AND COMPACTING THE GRAVEL LAYERS				
32,04	L I	Removal of oversize pavement material	m ³	110		
32,05		Additional normal grid rolling	m ³	60		
32,06		Stockpiling of material	m ³	5600		
3200		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 3300 MASS EARTHWORKS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300		SECTION 3300: MASS EARTHWORKS				
33,01		Cut and borrow to fill, including free-haul up to 0.5 km: (a) Gravel material in compacted layer thickness of 150 (i) Compacted to 90% of modified AASHTO Density (iii) Eight-roller-pass compaction (c) Rock fill for road and culvert structures foundations. Stone from Commercial source, maximum size of rock fill to be 750 mm and shall be compacted at vibrations KN/m	m ³ m ² m ³	3 000 27 000 7 560		
33,03		Extra-over item 33.01 for excavating and breaking down (a) Intermediate material (b) Hard rock (c) Boulder, Class A (d) Boulder Class B	m ³ m ³ m ³ m ³	150 150 90 90		
33,06		Variations in the number of roller passes, applicable to and 33.11 (a) Vibratory rollers (b) Heavy grid rollers	m ² -pass m ² -pass	24 500 4050		
33,07		Cut to spoil, including free-haul up to 0,5 km, unsuitable (a) In layer thickness of 200 mm and less (i) Stable material (ii) Unsuitable material	 m ³ m ³	 2 000 3 000		
33,08		deficient in fine materials	m ³	825		
33,09		Material blended to windrow	m ³	1500		
33,10		Roadbed preparation and the compaction of material: (i) Compaction to 93% of modified AASHTO density	 m ³	 4 500		
33,11		Three-pass roller pass compaction (a) Heavy pneumatic-tyred roller	 m ²	 27 000		
33,12		In-situ treatment of roadbed (a) In-situ treatment by ripping	 m ³	 3 645		
3300		CARRIED FORWARD TO THE NEXT PAGE				

ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
33,13		BROUGHT FORWARD FROM PREVIOUS PAGE				
		Finishing off cut and fill slopes, median and interchange				
		(a) Cut slopes	m ³	50		
		(b) Fill slopes	m ³	50		
		(d) Overhaul, extra-over item 33.10 (i) above				
		(i) Limited haul	m ³	450		
		(ii) Long haul (exceeding 2 km)	m ³ -km	300		
3300		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L			SCHEDULE OF QUANTITIES SECTION 3400 PAVEMENT LAYERS OF GRAVEL MATERIAL			
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400		SECTION 3400: PAVEMENT LAYERS OF GRAVEL				
3402		MATERIALS Gravel material for pavement layers may be material imported from Approved Commercial sources (a) Gravel selected layer compacted to: (i) 93% of modified AASHTO density for a compacted layer thickness of 150mm (b) Gravel subbase (chemically stabilised material) compacted to; (i) 96% of modified AASHTO density for a compacted layer thickness of 150mm	m³	4350		
			m³	4050		
3400		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 3500 CHEMICAL STABILISATION		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3500		SECTION 3500: CHEMICAL STABILISATION				
35,01		Chemical stabilisation, 150 mm thick layer, extra over (150 mm subbase)	m ³	3600		
35,02		Chemical stabilizing agent:				
		(a) Ordinary Portland cement	ton	140		
35,04		Provision and application of water for curing subbase	Kl	1200		
3500		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 3600 CRUSHED STONE BASE		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3600		SECTION 3600: CRUSHED STONE BASE				
36,01		Crushed-stone base: (a) Constructed from type G2 material obtained from commercial sources and compacted to 85% of bulk relative density in a layer thickness of 150 mm	m ³	3150		
3600		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 4100 PRIME COAT		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4100	LIC	SECTION 4100 : PRIME COAT				
41,01		(b) Quick drying RTH 1/4P tar prime	litre	16800		
4100		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L			SCHEDULE OF QUANTITIES SECTION 4200 ASPHALT BASE AND SURFACING			
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4200		SECTION 4200: ASPHALT BASE AND SURFACING				
42,02		Asphalt surfacing 30 mm thick in 60/70 penetration-grade bituminous binder (a) Continuously graded	m ²	21000		
42,04		Tack coat of 30% stable-grade emulsion	litre	16800		
42,13		Placing and compacting asphalt in restricted areas: (a) Extra over items 42.02	m ²	240		
42,21		Asphalt humps	no	8		
4200		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 5100 PITCHING, STONEWORK & PROTECTION		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5100	LIC	SECTION 5100: PITCHING, STONEWORK AND PROTECTION AGAINST EROSION				
51,01		Stone-Pitching				
		(a) Provide Grouted Stone-pitching	m ²	1250		
		(b) Provide Plain Stone-pitching	m ²	100		
51,05		Concrete edge beams and foundation trenches. Class 25 MPa/19mm)	m ³	12		
51,06		Provision of vegetation destroyer and anti poison				
		(a) Provision of vegetation destroyer materials (charged	PC Sum	1	10000	10 000,00
		(b) Contractor's charges and profit added charged as a sub item 51.06 (a)	%	10000		
5100		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 5200 GABIONS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5200	LIC	SECTION 5200 : GABIONS				
52,01		Foundation trench excavation and backfilling (b) In all classes of material irrespective of depth	m ³	180		
52,02		Surface preparation for bedding the gabions	m ²	255		
52,03		Gabions (a) Gabion boxes 1 m x 1 m x 1m (b) Gabion mattresses 6 m x 2 m x 0.3 m, 80 mm x 100 mm mesh size and 1000 mm diaphragm spacing. Mesh wire dia. to be 2.5 mm min.	m ³	120		
52,04		coated wire gabions	m ³	1		
52,05		Filter fabric material	m ²	750		
5200		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 5400 GUARDRAILS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5400	LIC	SECTION 5400 : GUARDRAILS				
54,01		Guardrails on timber posts: (a) Galvanized	m	120		
54,03		Extra over items 54,01 for horizontally curved guardrails bent to radius of less than 45m	m	80		
5400		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 5500 FENCING		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	LIC	SECTION 5500 : FENCING				
55,02		Supply and erect new fencing material for new fences and for supplementing material in existing fences which are being repaired or removed (c) Diamond mesh	m	100		
5500		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 5600 ROAD SIGNS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5600		SECTION 5600: ROAD SIGNS				
56,01	L I	Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or class I retro-reflective material, where the sign board is constructed from: (c) Prepainted galvanized steel plate (chromadek or approved equivalent): (i) Area not exceeding 2 m ²	m ²	60		
56,03	L I	Road sign supports (b) Steel tubing 3.6 long	ton	2		
56,05	L I	Excavation and backfilling for road sign posts)	m ³	8		
56,06	L I	(8% cement)	m ³	5		
56,08		Dismantling, storing and re-electing road signs with a (a) up to 2 m ²	No	2		
5600		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY				SCHEDULE OF QUANTITIES		
BID NUMBER: 47/2022/2023				SECTION 5700		
UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				ROAD MARKINGS		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5700		SECTION 5700: ROAD MARKINGS				
57,01	L I	Road-marking paint				
		(a) White lines (broken)				
		(i) 100 mm wide	Km	0,5		
		(a) White lines (Solid)				
		(i) 100 mm wide	Km	2,4		
		(b) Yellow lines (broken or unbroken)				
		(i) 150 mm wide	Km	6,0		
		(d) White lettering and symbols	m ²	200		
		(e) White lines (broken)				
		(i) 300 mm wide	Km	0,5		
		(f) White lines				
		(i) 300 mm wide	Km	0,2		
57,04		Variation in rate of application				
		(a) White paint	litre			Rate only
		(b) Yellow paint	litre			Rate only
57,05		Road studs				
		(i) Supply and install KT-303 Metal Road Studs in	No.	0		Rate only
57,06		Setting out and premarking the lines (excluding traffic- and symbols	Km	9,0		
57,07		Re-establishing the painting unit at the end of the	Lump sum	1		
5700		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 5900 FINISHING THE ROAD AND ROAD RESERVE		
ITEM NO	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5900		SECTION 5900 : FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS				
59,01		Finishing the road and road reserve: (b) Single-carriageway road	Km	3,0		
59,02		Treatment of old roads and temporary bypasses	Km	3,0		
5900		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 6300 STEEL REINFORCEMENT FOR STRUCTURES		
ITEM	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6300		SECTION 6300: STEEL REINFORCEMENT FOR				
63,01		Steel reinforcement for:				
		(a) Retaining Walls				
		(i) Mild Steel bars (Y10)	ton	1		
		(ii) Welded Steel Mesh Ref 395	kg	500		
6300		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 6400 CONCRETE FOR STRUCTURES		
ITEM	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6400		SECTION 6400: CONCRETE FOR STRUCTURES				
64,01	L I	Cast in-situ concrete				
		(a) 30 MPa concrete for Wing Walls and Head Walls	m ³	6		
		(b) 30MPa concrete for Concrete Drifts	m ³	6		
6400		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 7300 CONCRETE BLOCK PAVING FOR ROADS		
ITEM	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7300		7300 CONCRETE BLOCK PAVING FOR ROADS				
73,01	L I	Concrete Block Paving (a) Concrete Block Paving class 25, type A(S-A): (i) 60mm thick interlocking (walkway)	m ²	2500		
		(ii) 80mm thick interlocking (bus stops)	m ²	1800		
73,02	LI	Cast in-situ concrete edge and Concrete)	m ³	90		
73,04		Provision of approved herbicide and ant poison				
		(a) Provision of materials	PC Sum	1	35000	35 000,00
		(b) Contractor's charges and profit added to the prime cost sum	%	35 000,00		
7300		TOTAL CARRIED TO SUMMARY				

THULAMELA LOCAL MUNICIPALITY BID NUMBER: 47/2022/2023 UPGRADING OF THOHOYANDOU LINK ROAD FROM BLOCK K TO L				SCHEDULE OF QUANTITIES SECTION 8100 TESTING MATERIALS AND WORKMANSHIP		
ITEM	EPWP SPEC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100		SECTION 8100				
		TESTING MATERIALS AND WORKMANSHIP				
81,02		Other special tests required by the engineer:				
		(a) Cost of testing (Prime cost)	PC Sum	1	75000,00	75 000,00
		(b) Charge on prime Cost Sum in respect of item 81.02 (a) (percentage)	%	75000,00		
81,03		Providing testing equipment				
		(a) Rolling straight-edge	No	1		
8100		TOTAL CARRIED TO SUMMARY				