

SCHEDULE A: ROADWORKS

SECTION 1200

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12.00	<u>1200: GENERAL REQUIREMENTS AND PROVISIONS</u>				
B12.01	Provision for a Community Liaison Officer				
	(a) Provisional Sum for the payment of the Community Liaison Officer (R3600.00 per month)	Prov Sum	-		R 21,600.00
	(b) Handling costs and profit in respect of subitem B12.01(a)	%	21,600		
	(c) Provisional Sum for the payment of the Safety Re (R2600 per month)	Prov Sum			R 15,600.00
	(b) Handling costs and profit in respect of subitem B12.01(c)	%	15,600		
B12.02	Provision for cost of attending Steering Committee meetings				
	(a) Provisional Sum for the payment of travel cost incurred by Steering Committee members for attending Steering Committee meetings	Prov Sum	-		R 4,650.00
	(b) Handling costs and profit in respect of subitem B12.02(a)	%	4,650		
B12.03	Relocation and/or protection of services				
	(a) Allow a provisional sum for existing services to be relocated/or protected as ordered by the engineer	Prov Sum			R 50,000.00
	(d) Handling cost and profit in respect of sub-item B12.03(a)	%	R 50,000.00		
B12.04	Contract information board	No	1		
TOTAL SECTION 1200 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1300

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTIT Y	RATE	AMOUNT
13.00	<u>1300: CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</u>				
B13.01	The Contractor's general obligations:				
	(a) Fixed obligations	Lump Sum	1		
	(b) Value-related obligations	Lump Sum	1		
	(c) Time-related obligations	month	6		
	The combined total tendered for sub-items (a), (b) and (c) shall not exceed 15% of the tender sum.				
TOTAL SECTION 1300 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1400

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14.00	<u>1400: HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</u>				
14.01	Office and laboratory accommodation:				
	(a) Offices (Fully furnished)	m²	10		
	(e) Ablution units	no	2		
14.02	Office furniture:				
	(a) Chairs	No	10		
	(d) Desks, complete with drawers and locks	No	1		
B14.03	Office and laboratory fittings, installations and equipment:				
	(b) Prime-cost items and items paid for in a lump sum:				
	(ix) Provision of cellular telephones:				
	(1) Provision of cellular telephones	No.	1		
	(2) Cost of calls and other charges	Prov. sum	1		5,000.00
	(3) Handling cost and profit in respect of subsubitem B14.03(b)(ix)(2) above	%	5000.00		
	(c) Items measured by area:				
	(viii) Notice boards as per dwg. No.	m²	3		
	(ix) White board	m²	2		
14.04	Car ports				
	Car ports, 3.0m wide and 2.5m high, at offices	No.	1		
B14.07	Rented, hotel and other accommodation				
	(a) Provisional sum for providing rented housing, hotel or other accommodation as described in subsubclause 14.03 (c)(ii)	Prov.Sum	1		8,000.00
	(b) Handling costs and profit in respect of subitem 14.07 (a)	%	8000.00		
14.08	Services:				
	(a) Services at offices:				
	(i) Fixed costs	Lump Sum	-		
	(ii) Running costs	month	6		
14.10	Provision of photostat facilities	month	6		
TOTAL SECTION 1400 CARRIED TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.00	1500: ACCOMMODATION OF TRAFFIC				
15.01	Accommodation of traffic and maintaining temporary deviations	km	0.8		
15.02	Earthworks for temporary deviation				
	(a) Shaping of temporary deviations	km	0.8		
15.03	Temporary traffic-control facilities				
	(a) Flagmen	man-day	240		
	(b) Portable STOP and GO-RY sign	No.	4		
	(e) Road signs, R - and TR-series, 1200mm in dia	No.	3		
	(f) Road signs, TW-series, 1500mm sides	No.	3		
	(g) Road signs, STW-, DTG-,TGS- AND TG-series excluding delineators and barricades	m ²	3		
	(h) Delineators (800mm x 200mm)				
	(i) Single	No.	10		
	(ii) Mounted back to back	No.	10		
	(m) Two way communication devices	No.			Rate Only
15.04	Relocation of traffic control facilities	L/Sum	-		
15.05	Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations:				
	(a) Temporary deviations	m ³			Rate Only
15.06	Watering of temporary deviations	kl	102.96		
15.07	Blading by road grader of :				
	(a) Temporary deviations	km-pass	4		
	(b) Existing roads used as temporary deviations	km-pass			Rate Only
15.12	Temporary Culverts:				
	(a) Provision and laying of temporary prefabricated culverts complete (600 dia, Class 75 D interlocking, Class B bedding)	m			Rate Only
	(b) Re-use of prefabricated culverts complete (600 dia, Class 100 D Interlocking, Class B bedding)	m			Rate Only
TOTAL CARRIED FORWARD					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B15.15	AMOUNT BROUGHT FORWARD				0.00
	Penalty to be deducted for non-compliance with requirements for traffic accommodation				
	(a) Fixed penalty per occurrence	No			Rate Only
	(b) Time related penalty	hr			Rate Only
TOTAL SECTION 1500 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1700

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17.00	<u>1700: CLEARING AND GRUBBING</u>				
17.01	(a) Clearing and grubbing				
	(i) Within the road reserve	ha	1		
	(ii) In borrow pits	ha	1		
17.02	Removal and grubbing of large trees and tree				
	(a) Girth exceeding 1 m up to and including 2 m	No	5		
	(b) Girth exceeding 2 m up to and including 3 m	No	5		
TOTAL SECTION 1700 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 1800

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
18.00	<u>1800: DAYWORKS</u>				
B18.01	Labourers:				
	(i) Unskilled	hr			Rate Only
	(ii) Semi-skilled	hr			Rate Only
	(iii) Skilled	hr			Rate Only
B18.02	Foreman	hr			Rate Only
B18.03	Tipper trucks:				
	(i) 3 - 5 ton	hr			Rate Only
	(ii) 5,1 - 10 ton	hr			Rate Only
B18.04	Loader (0,5m³)	hr			Rate Only
B18.05	Grader (CAT 140G or similar)	hr			Rate Only
B18.06	LDV	hr			Rate Only
B18.07	Compaction Rollers:				
	(i) Vibrator roller	hr			Rate Only
	(ii) Tamping roller	hr			Rate Only
	(iii) Grid roller	hr			Rate Only
B18.08	Hand Controlled Compactors				
	(i) Pedestrian roller (Bomag BW90 or similar)	hr			Rate Only
	(ii) Vibratory plate	hr			Rate Only
	(iii) Rammers	hr			Rate Only
B18.09	Water truck (min 10 000 ℓ)	hr			Rate Only
B18.10	Dozer (D7 or similar)	hr			Rate Only
TOTAL SECTION 1800 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 2100

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
21.00	2100: DRAINS				
21.01	Excavation for open drains (a) Excavating soft material situated within the following depth ranges below the surface level: (i) 0 m up to 1,5 m	m³	1600		
	(b) Extra over sub item 21.01 (a) for excavation in hard material, irrespective of depth	m³	80		
21.02	Clearing and shaping existing open drains	m³	350		
21.03	Excavation for subsoil drainage systems (a) Excavating soft material situated within the following depth ranges below surface level: (i) 0 m up to 1,5m	m³			Rate Only
	(b) Extra over subitem 21.03(a) for excavation in hard material irrespective of depth	m³			Rate Only
21.04	Impermeable backfilling to subsoil drainage systems	m³			Rate Only
21.06	Natural permeable material in subsoil drainage systems (crushed stone) (b) Crushed stone obtained from commercial sources (ii) Coarse grade stone	m³			Rate Only
21.07	Natural permeable material in subsoil drainage systems (Sand) (b) Sand from commercial sources	m³			Rate Only
21.08	(b) Unplasticised PVC pipes and fittings, normal duty complete with couplings (1) Perforated (i) 150mm dia.	m			Rate Only
21.10	Synthetic fibre filter fabric (i) "Kaymat U24 or approved equivalent	m²			Rate Only
21.12	Concrete outlet structures, manhole boxes, junction boxes and cleaning eyes for subsoil drainage systems:				
TOTAL SECTION 2100 CARRIED TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
22.00	2200: PREFABRICATED CULVERTS				
B22.01 LI	Excavation: (a) Excavating soft material situated within the following depth ranges below the surface level: (i) 0m up to 1,5m (ii) Exceeding 1,5m up to 3,0m (iii) Exceeding 3,0m up to 4.5m (iii) Exceeding 4,0m up to 6,0m (b) Extra over subitem 22.01(a) for excavation in hard material irrespective of depth	m³ m³ m³ m³ m³	45 7 7		Rate Only Rate Only
22.02 LI	Backfilling: (a) Using the excavated material (b) Using imported selected material (c) Extra over subitems 22.02(a) and 22.02(b) for soil cement backfilling (3% cement)	m³ m³ m³	16 16 10		
22.03	Concrete pipe culverts: (b) On Class B bedding: (i) 600mm dia. (Class 100D) (ii) 900mm dia. (Class 100D)	m m	26 15		Rate Only
22.05	Portal and Rectangular Culverts: (i) 1200 x 600	m			Rate Only
22.07 LI	Cast in situ concrete and formwork: (b) In floor slabs for portal or rectangular culverts including formwork, joints and Class U2 finish for: (i) Class 25/19 concrete (c) In inlet and outlet structures, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork but including Class U2 surface finish: (i) Class 25/19 concrete	m³ m³	3 3		
TOTAL CARRIED FORWARD					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	AMOUNT BROUGHT FORWARD				
	(d) Formwork of concrete under subitem 22.07(c)				
	(i) Vertical formwork for F1 surface finish	m ²			Rate Only
	(ii) Vertical formwork for F2 surface finish	m ²	160		
22.1	Steel reinforcement:				
	(c) High tensile steel mesh:				
	(i) Ref. 245	kg			Rate Only
	(iii) Ref. 395	kg	750		
22.12 LI	Removing existing concrete:				
	(a) Plain concrete	m ³	25		
	(b) Reinforced concrete	m ³			Rate Only
TOTAL SECTION 2100 CARRIED TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
23.00	<u>2300: CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS</u>				
B23.01 LI	Concrete kerbing (Class 25/19 concrete): (a) Figure 8 as shown on the drawings (i) Insitu concrete kerbing (25/19) MPa with contraction joint @ 2 meters and expansion joint (softboard) every 10 meters, alternative to 23.01 (a)	m	1600		
23.06 LI	Inlet, outlet, transition and similar structures: (including in-situ concrete chutes) (a) Cast in situ concrete lining for Chute inlets Type "E": (Class 20/19 concrete): (b) Formwork (Class F1 surface finish) for Type "E" chutes & inlets : (i) To side with formwork on both internal and external faces (each face measured) (c) Class U2 surface finish to cast in situ concrete:	m ³ m ² m ²	6 20 20		
23.07	Trimming of excavation for concrete-lined open drains: (a) In soft material (b) In hard material	m ² m ²	100 20		
23.08	Concrete lining for open drains (a) Cast in situ concrete lining (25/19) (i) 750 mm x 750 mm x 150 mm (b) Class U2 surface finish to cast in situ concrete	 m ³ m ²	 13 80		
23.09	Formwork tom cast in situ concrete lining for open drains (class F2 surface finish) (c) To ends of slabs	m ²	5		
TOTAL CARRIED FORWARD TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 3100

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100	<u>3100: BORROW MATERIALS</u>				
B31.01	Excess overburden:				
	(a) Depth up to and including 0,5m	m³	480		
	(b) Depth exceeding 0,5m and up to 1,0m	m³	50		
31.03	Finishing-off borrow areas in:				
	(a) Hard material	ha	1.00		
	(c) Soft material	ha	1.00		
31.04	Compensation to landowners:				
	(a) Prime cost for compensation to landowners	PC Sum			R 15,000.00
	(b) Handling cost and profit in respect of sub-item B31.04(a) above	%	R 15,000.00		
	Fencing				
31/B55.10	Borrow-pit game proof fencing				
	(a) Provisional sum for the erecting of 1.8m height, with provision of gate fencing around borrow pit.	Prov Sum	-		R 20,000.00
	(b) Handling costs and profit in respect of subitem 31/B55.10(a)	%	R 20,000.00		
TOTAL SECTION 3100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 3300

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3300	<u>3300: MASS EARTHWORKS</u>				
33.01	Cut and borrow to fill, including 1.0 km free haul (a) Gravel material in compacted layer thicknesses of 200 mm and less: (ii) Compacted to 93% of modified AASHTO density	m³	3780		
33.03	Extra over item 33.01 for excavating and breaking down material in - (a) Intermediate excavation (b) Hard excavation	m³ m³	567 189		
33.04	Cut and spoil, including free-haul up to 1.0km, material obtained from: (a) Soft excavation (b) Intermediate excavation (c) Hard excavation (d) Boulder Excavation class B	m³ m³ m³ m³	1440 144 72		Rate Only
33.10	Roadbed preparation and the compaction of material (a) Compaction to 93% of modified AASHTO density	m³	960		
33.11	Three roller passes (a) Vibratory roller (b) Heavy grid roller	m² m²			Rate Only Rate Only
33.13	Finishing-off cut and fill slopes, median and (a) Cut slopes (b) Fill slopes	m³ m³	488 3380		
33/16.00	<u>1600: OVERHAUL</u>				
33/16.02	Overhaul on material hauled in excess of 1,0 km (ordinary overhaul)	m³.km	8280		
TOTAL CARRIED FORWARD					

SCHEDULE A: ROADWORKS

SECTION 3300

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	AMOUNT BROUGHT FORWARD				
33/32.00	<u>3200: SELECTION, STOCKPILING AND BREAKING-DOWN THE MATERIAL FROM BORROW-PITS, CUTTING AND EXISTING PAVEMENT LAYERS AND PALCING, ETC.</u>				
33/32.06	Stockpiling of material (Cut material for later use in laverworks)	m³			Rate Only
TOTAL SECTION 3300 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 3500

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3500	<u>3500: STABILIZATION</u>				
35.01	Chemical stabilisation extra-over unstabilized compacted layers:				
	(a) Base layer : 150mm thickness	m³	2076		
B35.02	Chemical stabilising agent:				
	(a) CEM II A/L 32.5 cement	t	112		
35.04	Provision and application of water for curing	kl	969		
35.05	Curing by covering with subsequent layer	m²			Rate Only
TOTAL SECTION 3500 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

SECTION 4100

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4100	<u>4100: PRIME COAT</u>				
41.01	Prime coat: (c) MC-30 cut-back bitumen (0.8l/m2)	ℓ	3840		
TOTAL SECTION 4100 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

SECTION 4200

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4200	<u>4200: ASPHALT BASE AND SURFACING</u>				
42.02	Asphalt surfacing				
	(a) Continuously graded hot-mix asphalt using:				
	(i) 60/70 pen, 30 mm thick medium grade	m ²	4,800		
42.04	Tack coat of 30% stable-grade emulsion	ℓ			Rate Only
B42.08	100mm cores in asphalt paving	No	10		
TOTAL SECTION 4200 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 5100

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTIT Y	RATE	AMOUNT
51.00	<u>5100: PITCHING, STONEWORK, ETC.</u>				
51.01	Stone pitching:				
	(b) Grouted stone pitching	m ²	150		
51.03	Stone masonry walls:				
	(b) Cement-mortared stone walls	m ³	30		
51.04	Concrete edge beams:				
	(a) Class 25/19 cast in-situ concrete	m ³	8		
TOTAL SECTION 4200 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

SECTION 5700

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
57.00	5700: ROAD MARKINGS				
57.02	Retro-reflective road-marking paint:				
	(a) White lines (broken or unbroken)				
	(i) 100 mm wide	km	0.8		
	(ii) 300 mm wide	km	0.10		
	(b) Yellow lines (broken or unbroken)				
	(ii) 100 mm wide	km	1.6		
	(d) White lettering and symbols	m ²	280		
	(e) Yellow lettering and symbols	m ²	120.0		
57.04	Variations in rate of application:				
	(a) White paint	ℓ			Rate Only
	(b) Yellow paint	ℓ			Rate Only
B57.06	Setting out and pre-marking the lines (excluding traffic island markings, lettering and symbols)	km	0.8		
TOTAL SECTION 5700 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

SECTION 5900

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
59.00	<u>5900: FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS</u>				
59.01	Finishing the road and road reserve: (b) Single carriageway road	km	0.8		
TOTAL SECTION 5900 CARRIED TO SUMMARY					

SCHEDULE A: ROADWORKS

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

SECTION 8100

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
81.00	<u>8100: TESTING MATERIALS AND WORKMANSHIP</u>				
B81.02	Other special tests requested by the engineer				
	(a) Other special tests requested by the engineer	Prov Sum	-		R 35,000.00
	(b) Handling cost and profit in respect of sub-item B81.02(a)	%	35,000		
TOTAL SECTION 8100 CARRIED TO SUMMARY					

SCHEDULE B: OHS ACT OBLIGATIONS

SCHEDULE B

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SCHEDULE B: OCCUPATIONAL HEALTH AND SAFETY ACT OBLIGATIONS</u>				
B1.1	Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Lump Sum	-		
B1.2	Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Month	6		
B1.3	Submission of the Health and Safety File	Lump Sum	-		
TOTAL SCHEDULE B CARRIED TO SUMMARY					

SCHEDULE C: ENVIRONMENTAL MANAGEMENT PLAN

SCHEDULE C

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SCHEDULE C: ENVIRONMENTAL MANAGEMENT PLAN</u>				
C100.01	Penalty for unnecessary removal or damage to trees for the following diameter sizes				
	(a) 2600mm girth or less	No.			Rate Only
	(b) Greater than 2600mm, but less than 6180mm girth	No.			Rate Only
	(c) Greater than 6180mm girth	No.			Rate Only
C100.02	Penalty for serious violations				
	(a) Hazardous chemical/oil spill and/or dumping in non-approved sites	No.			Rate Only
	(b) General damage to sensitive environments	No.			Rate Only
	(c) Damage to cultural and historical sites	No.			Rate Only
	(d) Pollution of water sources	No.			Rate Only
	(d) Unauthorised blasting activities	No.			Rate Only
	(f) Uncontrolled/unmanaged erosion per incident, depending on environment impacts, plus rehabilitation at contractor's cost)	No.			Rate Only
C100.03	Penalty for less serious violations				
	(a) Littering on site	No.			Rate Only
	(b) Lighting of illegal fires on site	No.			Rate Only
	(c) Persistent or un-repaired fuel and oil leaks	No.			Rate Only
	(d) Excess dust or excess noise emanating from site	No.			Rate Only
	(e) Dumping of milled material in side drains or on grassed areas	No.			Rate Only
	(f) Possession or use of intoxicating substances on site	No.			Rate Only
	(g) Any vehicles being driven in excess of designated speed limits	No.			Rate Only
	(h) Removal and/or damage to flora or cultural or heritage objects on site, and/or killing of wildlife	No.			Rate Only
	(i) Illegal hunting	No.			Rate Only
TOTAL SCHEDULE C CARRIED TO SUMMARY					

SCHEDULE D: PROVISION OF STRUCTURED TRAINING

SCHEDULE D

BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SCHEDULE D: STRUCTURED TRAINING</u>				
D2.1	Provision for accredited training				
	(a) Generic Skills	Prov Sum	-		R 40,000.00
	(b) Entrepreneurial Skills	Prov Sum	-		R 40,000.00
	(c) Handling cost and profit in respect of sub-item C2.1(a) and (b) above	%	80,000		
	(d) Training venue (Only if required)	Lump Sum	-		
TOTAL SCHEDULE D CARRIED TO SUMMARY					



BM01/17/18 - INDERMARK INTERNAL STREETS & STORMWATER (MULTI YEAR) - PHASE 5
C2.3 SUMMARY OF BILL OF QUANTITIES

SCHEDULE A : ROADWORKS

SECTION	DESCRIPTION	AMOUNT
1200	General requirements and provisions	R
1300	Contractor's establishment on site and general obligations	R
1400	Houses, offices and laboratories for the Engineer's personnel	R
1500	Accommodation of traffic	R
1700	Clearing and grubbing	R
1800	Dayworks	R
2100	Drain	R
2200	Prefabricated Culvert Structure	R
2300	Concrete Kerbing, Concrete Channeling, Open Chutes	R
3100	Borrow materials	R
3300	Mass earthworks	R
3400	Pavement layers of gravel materials	R
3500	Stabilization	R
4100	Prime coat	R
4200	Asphalt Base and Surfacing	R
5100	Pitching, stonework, etc.	R
5600	Road Signs	R
5700	Road markings	R
5900	Finishing the road and road reserve and treating old roads	R
8100	Testing materials and workmanship	R
	TOTAL SCHEDULE A	R

SCHEDULE B : OHS ACT OBLIGATIONS		
	Occupational Health and Safety Act Obligations	R
TOTAL SCHEDULE B		R
SCHEDULE C : ENVIRONMENTAL MANAGEMENT PLAN		
	Environmental Management Plan	R
TOTAL SCHEDULE C		R
SCHEDULE D : PROVISION OF STRUCTURED TRAINING		
	Structured Training	R
TOTAL SCHEDULE D		R

C2.4 CALCULATION OF TENDER SUM

TOTAL SCHEDULE A : ROADWORKS	R
TOTAL SCHEDULE B: OHS ACT OBLIGATIONS	R
TOTAL SCHEDULE C: ENVIRONMENTAL MANAGEMENT PLAN	R
TOTAL SCHEDULE D: PROVISION FOR STRUCTURED TRAINING	R
TENDER (CONTRACT) SUM	R
2) ADD 10% FOR CONTINGENCIES (This amount is under the sole control of the employer)	R
SUBTOTAL	R
ADD : 14% VAT	R
TENDER (CONTRACT) PRICE CARRIED TO FORM OF ACCEPTANCE (Page C.3)	R

Note : Tender sum is the value of the offered total of the prices exclusive of VAT, contingencies, CPA and special materials but including contractual variations.