

SUMMARY PAGE

RAISING OF TZANEEN DAM.			
CONSTRUCTION OF THE PERMANENT ACCESS ROAD; SCHEDULE OF QUANTITIES			
	SECTION	DESCRIPTION	AMOUNT
A	SECTION A	PRELIMINARY AND GENERAL	
B	SECTION B	ACCESS ROAD	
SUB TOTAL			
E	SECTION E	ADD Contingencies at 10%	
NET TOTAL OF TENDER			
F	SECTION F	ADD 15% for Value Added Tax (VAT)	
GROSS TOTAL TENDER AMOUNT			

**RAISING OF TZANEEN DAM.**

**CONSTRUCTION OF THE PERMANENT ACCESS ROAD; SCHEDULE OF QUANTITIES**

ITEM NO.	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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ITEM NO.	PAY REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>BROUGHT FORWARD</b>						
A3	8.5	<b>SUMS STATED PROVISIONALLY BY EMPLOYER'S AGENT</b>				
A3.1		Tests by approved material laboratory	Sum	1		
A3.2		<b>Health and Safety</b>				
A3.2.1		Appointment of a full time Health and Safety Officer for the duration of construction	Mth	4		
A3.2.2		Contractor's Health and safety plan	Sum	1		
		<i>(In terms of the Construction Regulations [Regulation 5 (1) (b)] of the Occupational Health and Safety Act, No 85 of 1993)</i>				
A3.3		<b>TEMPORATY WORKS</b>				
A3.3.2	8.8.2	Dealing with traffic or accomodation of traffic	Sum	1		
A3.4		<b>Existing Services</b>				
A3.4.1	8.8.4 a)	Temporary protection of water, telkom and electrical services	Sum	1		
<b>TOTAL CARRIED TO SUMMARY PAGE</b>						

RAISING OF TZANEEN DAM.						
CONSTRUCTION OF THE PERMANENT ACCESS ROAD; SCHEDULE OF QUANTITIES						
SECTION B : ACCESS ROAD						
PART 13 :	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PART 13 :	REFERS					
B1	<b>SABS 1200 DB</b>	<b><u>EARTHWORKS (PIPE TRENCHES)</u></b>				
B1.1	8.3.2	Excavation				
B1.1.1		a) Excavate in all materials for trenches, backfill, compact and dispose of surplus material	m <sup>3</sup>	20		
B2	<b>SABS 1200 DM</b>	<b><u>EARTHWORKS (ROADS SUB-GRADE)</u></b>				
B2.1	PSDM 8.3.4	Cut to fill, borrow to fill				
B2.1.1		a) Compact to 93% of modified AASHTO maximum density	m <sup>3</sup>	450		
B2.2	8.3.13	Surface finishes				
B2.2.1		a) Topsoiling (80 mm thick)	m <sup>2</sup>	840		
B2.2.2	8.3.15	Catchwater mounds and channels and mitre banks and channels				
		a) Bedding layer for channel, G5 material compacted to 93% MOD AASHTO density at OMC (-1% to 2%)	m <sup>3</sup>	135		
B3	<b>SABS 1200 G</b>	<b><u>CONCRETE (STRUCTURAL)</u></b>				
B3.1	8.2	Scheduled Formwork Items				
B3.1.1	8.2.2	Smooth (Inlet/Outlet Structures)	m <sup>2</sup>	15		
B3.2	8.3	Scheduled Reinforcement Items				
B3.2.1	8.3.1	Steel bars (high-tensile steel reinforcement - Y12 diameter)				
		a) Inlet/outlet structures	t	0.45		
B3.4	8.3.2	High-tensile Welded Mesh	m <sup>2</sup>	980		
		a) Mesh Ref 888				
B3.5	8.4.3	Strength Concrete, Grade 25/19 mm (inlet/outlet structures)	m <sup>3</sup>	4		
B3.6	8.4.4	Unformed surface finishes				
B3.6.1		a) Wood-floated finish (inlet/outlet structures)	m <sup>2</sup>	25		
B3.6.2		b) Steel-floated finish (channel)	m <sup>2</sup>	210		
		<b>DETAILS OF INLET/OUTLET STRUCTURES WILL BE PROVIDED DURING CONSTRUCTION</b>				
B4	<b>SABS 1200 LB</b>	<b><u>BEDDING (PIPES)</u></b>				
B4.1	8.2.1	Provision of Bedding from Trench Excavation				
B4.1.1		a) Selected granular material	m <sup>3</sup>	2		
B4.1.2		b) Selected fill material	m <sup>3</sup>	15		
B5	<b>SABS 1200 LE</b>	<b><u>BEDDING (PIPES)</u></b>				
B5.1	8.2.1	Supply and Lay of Concrete Pipe Culverts				
B5.1		a) 900 mm diameter, Class 50D	m	20		
CARRIED FORWARD						

SECTION B : ACCESS ROAD						
ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
BROUGHT FORWARD						
B6	<b>SABS 1200 MK</b>	<b><u>KERBING AND CHANNELING</u></b>				
B6.1	8.2.8	Cast-in-situ concrete lining to open drains				
B6.1.1		a) Class 25/19 concrete in V-drain	m <sup>3</sup>	115		
B6.2	8.2.9	Formwork to cast-in-situ concrete lining of open drains				
B6.2.1		a) To sides with formwork on the internal face only	m <sup>2</sup>	995		
B6.2.2		c) To ends of slab	m <sup>2</sup>	15		
B6.3	8.2.10	Sealed joints in concrete lining of open drains	m	125		
	<b>COTO</b>	<b><u>CHAPTER 5: EARTHWORKS AND PAVEMENT LAYERS : MATERIALS</u></b>				
	C4.4.4.1	Cement ; Cem II A-L : (42.5 N)	ton	56		
	<b>COTO</b>	<b><u>CHAPTER 5: EARTHWORKS AND PAVEMENT LAYERS CONSTRUCTION</u></b>				
B7	C5.3.2	Construction of Pavement Layers (from commercial sources)				
	C5.3.2.1	Construction of layers using conventional construction methods				
B7.1		a) Lower selected subgrade layer (150 mm) compacted to 93 % of MDD (G7)	m <sup>3</sup>	975		
B7.2		k) Upper subbase gravel layer (unstabilised), (200 mm) compacted to 97 % of MDD (G5)	m <sup>3</sup>	1235		
B7.3		n) Gravel base layer (chemically stabilised), (150 mm) compacted to 97 % of MDD (C4)	m <sup>3</sup>	1020		
B8	<b>COTO</b>	<b><u>CHAPTER 9: ASPHALT LAYERS</u></b>				
B8.1	C9.1.1	Asphalt mix designs				
	C9.1.1.1	Stone skeletal mixes				
B8.1.1		b) High modulus asphalt	Sum	1		
B8.2	C9.1.2	Construction of trial sections				
B8.2.1	C9.1.2.1	Asphalt surfacing: Continuously medium graded asphalt with conventional 50/70 binder	m <sup>2</sup>	340		
B8.2.2	C9.1.2.2	Removal of trial section where so instructed by the Engineer	m <sup>2</sup>	340		
B8.3	C9.1.3	Application of bond coat				
B8.3.1	C9.1.3.1	Stable - grade 30% net bitumen emulsion as specified. Applied with a calibrated distributor (0.5l/m <sup>2</sup> )	litre	2380		
B9.1	C9.1.5	Asphalt surfacing				
	C9.1.5.1	New construction				
B9.1.1		a) Stone skeletal mix - continuously graded as defined (25 mm, continuously medium graded asphalt with conventional 50/70 binder)	m <sup>2</sup>	4760		
B9.2	C9.1.13	Coring of asphalt layers				
B9.2.1	C9.1.13.1	100 mm diameter	No	3		
CARRIED FORWARD						



