

CONTRACT: MIS 540 115D
CONTRACT TITLE: Mqanduli Secondary Bulk Water Supply Phase 2A: Contract 4

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CONTRACT: MIS 540 115D
CONTRACT TITLE: Mqanduli Secondary Bulk Water Supply Phase 2A: Contract 4
BILL:
SECTION: 1 SABS 1200 A - GENERAL

BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
1.1	8.3	FIXED-CHARGE AND VALUE RELATED ITEMS				
1.1.1	8.3.1	Contractual Requirements	Sum	1.00		
	8.3.2	Establishment of Facilities on the Site				
	8.3.2.1	Facilities for Engineer				
1.1.2	PSAB 3.2	a) Furnished offices (1No.)	Sum	1.00		
1.1.3		b) Telephone	Sum	1.00		
1.1.4		c) Nameboards (2 No.)	Sum	1.00		
	8.3.2.2	Facilities for Contractor				
1.1.5		a) Offices and storage sheds	Sum	1.00		
1.1.6		b) Workshops	Sum	1.00		
1.1.7		c) Laboratories	Sum	1.00		
1.1.8		d) Living accommodation	Sum	1.00		
1.1.9		e) Ablution and latrine facilities	Sum	1.00		
1.1.10		f) Tools and equipment	Sum	1.00		
1.1.11		g) Water supplies, electric power and communications	Sum	1.00		
1.1.12		h) Dealing with water (see 5.5)	Sum	1.00		
1.1.13		i) Access (see 5.8)	Sum	1.00		
1.1.14		j) Plant	Sum	1.00		
1.1.15	8.3.3	Other Fixed-charge Obligations	Sum	1.00		
1.1.16	8.3.4	Removal of Site Establishment	Sum	1.00		
	PSA 8.4.6	Compliance with the OHS Act (1993, as amended), the Construction Regulations (2014) and the Particular Safety Specification:				
1.1.17	PSHSS 6.1.2; CR 5 (1)(l)	i) Preparation of the Contractor's site specific Health and Safety Plan	Sum	1.00		
1.1.18	CR 7(1)(b)	ii) Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Sum	1.00		
	GSR 2; PSHSS 7.7	iii) Provision of EPWP Branded SABS Personal Protective Equipment				
1.1.19		(a) Hard Hats	No	70.00		
1.1.20		(b) Reflective vests	No	70.00		
CARRIED FORWARD						

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ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
		BROUGHT FORWARD				
1.1.21		(c) Protective foot wear	No	70.00		
1.1.22		(d) Corded Earplugs	No	200.00		
1.1.23		(e) Dust masks FFP2	No	200.00		
1.1.24		(g) Gloves	No	200.00		
1.1.25		(h) Goggles	No	200.00		
	CR 7(1)(g);	iv) Cost of medical certificates and medical surveillance				
1.1.26	PSHSS 7.2	(a) Initial (baseline) medical examinations	No	30.00		
1.1.27		(b) Exit medical examinations	No	30.00		
	PSHSS 7.14	v) Fall Protection				
1.1.28		a) Lifeline & anchorage	No	2.00		
1.1.29		b) Safety Harnesses	No	5.00		
1.1.30		c) Rescue Kit	No	1.00		
		vi) Occupational Hygiene Survey				
1.1.31	NIHL 6; PSHSS 7.3	(a) Establishment of noise zones (plant)	Sum	1.00		
1.1.32		(b) Compliance with Amendment of the Occupational Exposure Control Limit for Silica in Table 1 of the Hazardous Chemical Substances including air sampling and analysis	Sum	1.00		
1.1.33	PSA 8.4.7	Compliance with EMP and EMPr	Sum	1.00		
1.2	8.4	TIME-RELATED ITEMS				
1.2.1	8.4.1	Contractual Requirements		1.00		
	8.4.2	Operation and Maintenance of Facilities on Site, for Duration of Construction, except where otherwise stated				
	8.4.2.1	Facilities for Engineer				
1.2.2		a) Furnished offices (1No.)		1.00		
1.2.3	PSAB 4.1	b) Telephone	Sum	1.00		
1.2.4		c) Nameboards (2 No.)	Sum	1.00		
1.2.5		d) Survey assistants and materials	Sum	1.00		
	8.4.2.2	Facilities for Contractor				
CARRIED FORWARD						

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BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
		BROUGHT FORWARD				
1.2.6		a) Offices and storage sheds	Sum	1.00		
1.2.7		b) Workshops	Sum	1.00		
1.2.8		c) Laboratories	Sum	1.00		
1.2.9		d) Living accommodation	Sum	1.00		
1.2.10		e) Ablution and latrine facilities	Sum	1.00		
1.2.11		f) Tools and equipment	Sum	1.00		
1.2.12		g) Water supplies, electric power and communications	Sum	1.00		
1.2.13		h) Dealing with water (see 5.5)	Sum	1.00		
1.2.14		i) Access (see 5.8)	Sum	1.00		
1.2.15		j) Plant	Sum	1.00		
1.2.16	8.4.3	Supervision for duration of Construction	Sum	1.00		
1.2.17	8.4.5	Other Time-related Obligations	Sum	1.00		
	PSA 8.4.6	Compliance with the OHS Act (1993, as amended), the Construction Regulations (2014) and the Particular Safety Specification:				
1.2.18	CR 5(1)(g)	i) Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	month	10.00		
1.2.19	CR 8(5); PSHSS 6.1.5	ii) Provision of a full- time SACPCMP registered Construction Health and Safety Officer	month	10.00		
1.2.20		iii) Provision of a part-time assistant SACPCMP Candidate Construction Health and Safety Officer for Subcontractor Management & Assistance	month	10.00		
		iv) OH&S Legal Compliance Training - SAQA UNIT STANDARD				
1.2.21	GSR 3(5); PSHSS 7.5	a) First Aid	No	1.00		
1.2.22	PSHSS 6.1.7	b) H&S Representative	No	1.00		
1.2.23	PSHSS 7.14	c) Working at height & rescue operations	No	20.00		
1.2.24	CR 29(h)	d) Basic Fire Fighting	No	1.00		
CARRIED FORWARD						

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ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
		BROUGHT FORWARD				
1.2.25	PSHSS 6.1.3/4	e) Safety for Supervisors	No	2.00		
1.2.26	PSHSS 7.13	f) Temporary Works Training	No	20.00		
1.2.27	SANS 10085; PSHSS 7.13	g) Scaffolding	No	5.00		
1.2.28	PSHSS 7.10	h) Plant Operators	No	5.00		
1.2.29	PSHSS 6.1.6	i) Temporary Roadworks Signage	Sum	1.00		
1.2.30	PSHSS 7.17	j) Excavation Safety - Supervisors	No	12.00		
1.2.31		k) Other	Sum	1.00		
1.2.32	GSR 3; PSHSS 7.5	v) Provision of First Aid Boxes to GSR requirements	No	3.00		
1.2.33	GMR 18; PSHSS 7.13	vi) Lifting Equipment Inspection by AIA	Sum	1.00		
1.2.34	PSHSS 7.13	vii) Temporary Works Designs, Inspections and Approval	Sum	1.00		
1.2.35	CR 7(1)(c) (e)	viii) Submission of a Health and Safety File	Sum	1.00		
1.2.36	PSA 8.4.7	Compliance with EMP and EMPr	Sum	1.00		
1.2.37	PSA 8.4.8	Supervision of Subcontractor	Sum	1.00		
1.3	8.5	SUMS STATED PROVISIONALLY BY ENGINEER (Subclause 8.1.2.1 (d))				
1.3.1		Community Liason Officer	Prov.Sum	1.00	84,000.00	84,000.00
1.3.2		Overheads, charges and profit on 1.3.1 above	%	84 000.00		
1.3.3		Allowance for Nominated Environmental Control Officer	Prov.Sum	1.00	110,000.00	110,000.00
1.3.4		Overheads, charges and profit on 1.3.3 above	%	110 000.00		
1.3.5		Allowance for Nominated Health and Safety Officer	Prov.Sum	1.00	200,000.00	200,000.00
1.3.6		Overheads, charges and profit on 1.3.5 above	%	200 000.00		
1.3.7		Allowance for Nominated ISD Officer	Prov.Sum	1.00	115,000.00	115,000.00
CARRIED FORWARD						

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ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
		BROUGHT FORWARD				
1.3.8		Overheads, charges and profit on 1.3.7 above	%	115 000.00		
1.3.9		Additional Tests required by Engineer	Prov.Sum	1.00	50,000.00	50,000.00
1.3.10		Overheads, charges and profit on 1.3.9 above	%	50 000.00		
1.3.11		Allowance for additional survey	Prov.Sum	1.00	50,000.00	50,000.00
1.3.12		Overheads, charges and profit on 1.3.11 above	%	50 000.00		
1.3.13		Allowance for relocation of existing services	Prov.Sum	1.00	100,000.00	100,000.00
1.3.14		Overheads, charges and profit on 1.3.13 above	%	100 000.00		
1.3.15		Allowance for connections to existing infrastructure	Prov.Sum	1.00	50,000.00	50,000.00
1.3.16		Overheads, charges and profit on 1.3.15 above	%	50 000.00		
1.3.17		Allowance for River Crossings	Prov.Sum	1.00	450,000.00	450,000.00
1.3.18		Overheads, charges and profit on 1.3.17 above	%	450 000.00		
1.3.19		Allowance for HIV awareness and training	Prov.Sum	1.00	10,000.00	10,000.00
1.3.20		Overheads, charges and profit on 1.3.21 above	%	10 000.00		
		Expanded Public Works Programme (EPWP)				
1.3.21		Allowance for training on targeted labour	Prov.Sum	1.00	100,000.00	100,000.00
1.3.22		Overheads, charges and profit on 1.3.23 above	%	100 000.00		
1.3.23		Transportation and accomodation of workers for training where it is not possible to undertake in close proximity	Prov.Sum	1.00	10,000.00	10,000.00
1.3.24		Overheads, charges and profit on 1.3.25 above	%	10 000.00		
1.3.25		Equipment for the Engineer	Prov.Sum	1.00	200,000.00	200,000.00
1.3.26		Overheads, Charges and Profit on item 1.3.27 above	%	200 000.00		
1.3.27		Allowance for Young Professionals Students / Trainees	Prov.Sum	5.00	96,000.00	480,000.00
1.3.28		Overheads, Charges and Profit on item 1.3.29 above	%	480 000.00		
1.3.29		Transportation (including fuel) for the Engineer for the duration of the contract.	Prov.Sum	1.00	280,000.00	280,000.00
1.3.30		Overheads, Charges and Profit on item 1.3.31 above	%	280 000.00		
1.3.31		Accomodation for the Engineer for the duration of the contract.	Prov.Sum	1.00	180,000.00	180,000.00
CARRIED FORWARD						

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ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
		BROUGHT FORWARD				
1.3.32		Overheads, Charges and Profit on item 1.3.33 above	%	180 000.00		
1.3.33		Cellphone allowance for the Engineer for the duration of the contract.	Prov.Sum	1.00	50,000.00	50,000.00
1.3.34		Overheads, Charges and Profit on item 1.3.35 above	%	50 000.00		
	PSA 8.7	DAYWORK (See 8.1.2.1 (d))				
1.3.35		a) Labour	Prov.Sum	1.00	100,000.00	100,000.00
1.3.36		Overheads, charges and profit on item 1.3.33 above	%	100 000.00		
1.3.37		b) Materials	Prov.Sum	1.00	100,000.00	100,000.00
1.3.38		Overheads, charges and profit on item 1.3.35 above	%	100 000.00		
1.3.39		c) Plant	Prov.Sum	1.00	100,000.00	100,000.00
1.3.40		Overheads, charges and profit on item 1.3.38 above	%	100 000.00		
1.4	8.8	TEMPORARY WORKS (See 8.1.2.1 (d))				
1.4.1	8.8.1	Main Access Road to Works (construct and maintain)	Sum	1.00		
1.4.2	8.8.1	Construct Main Access Road to Completed Reservoir	Sum	1.00		
1.4.3	PSA 8.8.2	Dealing with traffic	Sum	1.00		
1.4.4	PSA 8.8.7	Contractor to provide "Construction Record" Information	Sum	1.00		
TOTAL FOR SECTION 1 CARRIED FORWARD TO SUMMARY						

CONTRACT: MIS 540 115D
CONTRACT TITLE: Mqanduli Secondary Bulk Water Supply Phase 2A: Contract 4
BILL:
SECTION: 2 SABS 1200 C - SITE CLEARANCE (PIPE ROUTE)

BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
2.1	8.2.1	Clear and grub (i) Pipeline route (10m wide strip)	m	4 800.00		
2.2	8.2.2	Remove and grub large trees and tree stumps of girth a) over 1 m and up to 2 m	No.	6.00		
2.3		b) over 2 m and up to 3 m	No.	6.00		
2.4	8.2.3	Remove and grub all trees and tree stumps regardless of girth	ha	0.15		
2.5	8.2.4	Reclear surfaces (only on instructions from Engineer)	m	120.00		
2.6	PSC 8.2.5	Take down existing fences	km	3.00		
2.7	8.2.6	Clear hedge or fence or both where not scheduled separately (i) Hedges up to 2m high	m	60.00		
2.8		(ii) Reinstate Hedge	m	60.00		
TOTAL FOR SECTION 2 CARRIED FORWARD TO SUMMARY						

CONTRACT: MIS 540 115D
CONTRACT TITLE: Mqanduli Secondary Bulk Water Supply Phase 2A: Contract 4
BILL:
SECTION: 3 SABS 1200 D - EARTHWORKS (PIPE ROUTE)

BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
3.1	PSD 8.3.1.2	Remove topsoil to nominal depth 150mm (or other stated), stockpile and maintain	m ²	975		
		Ristricted Excavation:				
	8.3.8	Existing Services				
	8.3.8.1	Location				
3.2		c) Excavate by hand in soft material to expose water / telkom / electrical service (LI)	m ³	60.00		
	8.3.10	Topsoiling				
3.3		(i) Pipeline Route	m ²	24 000.00		
	8.3.11	Grassing or Vegetation Cover				
3.4		(i) Pipeline Route, outside of canelands	m ²	24 000.00		
3.5	PSD 8.3.13	Erosion Control Berms	m ²	2 100.00		
3.6	PSD 8.3.14	Sandbag Protection to pipe trench	No.	60.00		
3.7	PSD 8.3.15	Extra-over Sandbag Protection for Stabilization	No.	60.00		
TOTAL FOR SECTION 3 CARRIED FORWARD TO SUMMARY						

CONTRACT: MIS 540 115D
CONTRACT TITLE: Mqanduli Secondary Bulk Water Supply Phase 2A: Contract 4
BILL:
SECTION: 4 SABS 1200 DB - PIPE TRENCHES

BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
4.1	8.3.1 PSDB 8.3.1.C	Site Clearance and (if specified) Removal of Topsoil c) Remove Topsoil (i) 150mm	m ²	24 000.00		
4.2	8.3.2	Excavation a) Excavate in all materials for trenches, backfill, compact, and dispose of surplus material For pipes: Up to and including 400mm diam. for total trench depth:	m	4 870.00		
4.3		Over 2m and up to 3m	m	70.00		
4.4		b) Extra-over item (a) above for:				
4.5		1) Intermediate excavation	m ³	1 440.00		
4.6		2) Hard rock excavation	m ³	1 800.00		
4.7		3) Hard rock excavation near residential buildings (Mounted hydraulic breaker where directed by the Engineer)	m ³	1 980.00		
4.8		c) Excavate and dispose of unsuitable material from trench bottom (provisional)	m ³	2 088.00		
4.8	8.3.2(b)	Excavate and dispose of unsuitable material from trench bottom within a 1km radius freehaul (Provisional)	m ³	2 088.00		
4.9	8.3.3	Excavation Ancillaries				
4.9	8.3.3.1	Make up deficiency in backfill material (provisional)				
4.10		a) from other necessary excavations on site	m ³	2 110.00		
4.11		c) by importation from commercial or off site sources selected by the Contractor	m ³	422.00		
4.11	PSDB 8.3.3.1	d) Stabilised backfill (4% cement)	m ³	1 536.00		
4.12	8.3.3.3	Compaction in road reserves	m ³	432.00		
4.13	8.3.3.4	Overhaul				
4.14		a) Limited Overhaul (provisional)	m ³	1 296.00		
4.15		b) Long Overhaul (provisional)	m ³ .km	6 480.00		
CARRIED FORWARD						

CONTRACT: MIS 540 115D
CONTRACT TITLE: Mqanduli Secondary Bulk Water Supply Phase 2A: Contract 4
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SECTION: 4 SABS 1200 DB - PIPE TRENCHES

BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
		BROUGHT FORWARD				
	8.3.4	Particular Items				
		a) Shore trench opposite structure or service				
4.16		(i) Existing houses and toilet structures	m	800.50		
	8.3.5	Existing Services that Intersect or Adjoin a Pipe Trench				
		a) Services that intersect a trench				
4.17		i) Concrete pipe up to 1000 mm dia.	No.	6.00		
4.18		ii) Water pipe up to 400 mm dia.	No.	6.00		
4.19		iii) Electrical Cables	No.	6.00		
		b) Services that adjoin a trench				
4.20		i) Water pipe up to 400 mm dia.	m	60.00		
4.21		ii) Telkom Cables	m	12.00		
4.22		ii) Electrical Cables	m	12.00		
	8.3.6	Finishing				
	8.3.6.1	Reinstate road surfaces complete with all courses				
4.23		a) Gravel on shoulders and wearing course	m ²	2 400.00		
TOTAL FOR SECTION 4 CARRIED FORWARD TO SUMMARY						

CONTRACT: MIS 540 115D
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BILL:
SECTION: 5 SABS 1200 L - MEDIUM-PRESSURE PIPELINES

BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
	8.2.1	Supply, Lay and Bed Pipes Complete with Couplings				
		300 Diameter Pipes				
5.1		(i) 300NB x 6m Galvanised Roll Grooved TOSAwrap Pipe c/w Victaulic Style 77 Coupling & Denso Joint Protection, 25bars.	m	2 480.00		
5.2		(ii) 350mm diam. mPVC CL16 to SABS 966-2	m	2 280.00		
	8.2.2	Extra-over 8.2.1 for the Supplying, Laying and Bedding of Specials Complete with Couplings				
		mPVC Double Socketed Bends CL16				
		355 Diameter Pipe Bends				
5.3		(i) 355 mm Ø 11¼° bend	No.	16.00		
5.4		(ii) 355 mm Ø 22½° bend	No.	5.00		
5.5		(iii) 355 mm Ø 45° bend	No.	2.00		
		350 Diameter Pipe Bends				
5.6		(i) 300NB Ø 11¼° Galvanised Grooved Bend c/w galvanized Grooved Coupling & Denso Joint Protection(PN25)	No.	8.00		
5.7		(ii) 300NB Ø 22½° Galvanised Grooved Bend c/w galvanized Grooved Coupling & Denso Joint Protection(PN25)	No.	4.00		
5.8		(iii) 300NB Ø 45° Galvanised Grooved Bend c/w galvanized Grooved Coupling & Denso Joint Protection(PN25)	No.	2.00		
5.9		(iii) 300NB Ø 90° Galvanised Grooved Bend c/w galvanized Grooved Coupling & Denso Joint Protection(PN25)	No.	1.00		
		Fittings				
5.10		(i) 355 x 350 Ø reducer	No.	1.00		
	8.2.3	Extra-over 8.2.1 for the Supplying, Fixing, and Bedding of Valves				
		Isolating Valve assembly complete as per detail on drawing no. PR 133-PH 2A-CT4-STD 005				
5.11		i) 355 mm Ø ND, PN16	No.	4.00		
		Scour Valveassembly complete as per detail on drawing no. PR 133-PH 2A-CT4-STD 003				
5.12		(i) 100 mm Ø ND off 355 mm Ø OD mPVC pipe, PN 16	No.	3.00		
CARRIED FORWARD						

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BILL:
SECTION: 5 SABS 1200 L - MEDIUM-PRESSURE PIPELINES

BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
		BROUGHT FORWARD				
		Air Valve assembly complete as per detail on drawing no. PR 133-PH 2A-CT4-STD 002				
5.13		(i) 25 mm Ø ND, PN 16	No.	1.00		
5.14		(ii) 50 mm Ø ND, PN 16	No.	6.00		
5.15		(iii) 80 mm Ø ND, PN 16	No.	1.00		
	8.2.11	Anchor / Thrust Blocks and Pedestals as per drawing no. PR 133-PH 2A-CT4-STD 009				
5.16		a) Concrete Grade 25MPa / 19mm	m³	184.00		
5.17		b) Formwork	m²	552		
5.18		b) Reinforcement	t	27.60		
		Reinforced concrete thrust wall complete including excavation, concrete, rough formwork, flanged 1.5m long GMS puddle pipe as per detail drawing including steel to uPVC adaptors for mains testing at each end and every 500m for the following pipe size (concrete to extend both 200mm below invert and above crown of pipes) :				
5.19		(i) 355mm dia mPVC	No	4.00		
	8.2.13	Valves and Hydrant Chambers etc				
5.20		Isolating Valve Chamber complete as per detail on drawing no. PR 133-PH 2A-CT4-STD 005	No.	4.00		
5.21		Scour Valve Chambers complete as per detail on drawing no. PR 133-PH 2A-CT4-STD 003	No.	3.00		
5.22		Air Valve Chambers complete as per detail on drawing no. PR 133-PH 2A-CT4-STD 002	No.	8.00		
5.23	PSL 8.2.16	Supply and install pipeline markers as per detail on drawing no. PR 133-PH 2A-CT4-STD 010	No.	81.00		
5.24	PSL 8.2.17	Supply and install valve markers as per detail on drawing no. PR 133-PH 2A-CT4-STD 010	No.	15.00		
		Sundry Items				
		Supply, lay, bed and install concrete pipe sleeves for road crossings, inclusive of all items (viz. skids etc) necessary for pipe support through sleeve as per drawing No... Class 100D, Spigot and Socket type as per drawing no. PR 133-PH 2A-CT4-STD 007 for:				
5.25		(i) 600 mm ND Concrete Sleeve for 400 mm ND mPVC pipe	m	46.36		
TOTAL FOR SECTION 5 CARRIED FORWARD TO SUMMARY						

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BILL:
SECTION: 6 SABS 1200 LB - BEDDING: (PIPES)

BILL OF QUANTITIES

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
	8.2.1	Supply only of Bedding from Trench Excavation within 0.5km				
6.1		a) Selected granular material	m ³	175.77		
6.2		b) Selected fill material	m ³	77.88		
	8.2.2	Supply only of Bedding by Importation				
	8.2.2.3	From commercial sources (Provisional)				
6.3		a) Selected granular material	m ³	2 271.70		
6.4		b) Selected fill material	m ³	1 334.18		
6.5		c) 19mm graded crushed stone	m ³	6.00		
6.6	8.2.3	Concrete Bedding Cradle	m ³	6.00		
	8.2.4	Encasing of Pipes in Concrete				
6.7		(i) Grade 25 MPa / 19 mm concrete	m ³	9.00		
6.8	8.2.5	Overhaul of Material for Bedding Cradle and Selected Fill Blanket	m ³ .km	1 800.00		
TOTAL FOR SECTION 6 CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT REFERS	DESCRIPTION	UNIT	QUANTITY	RATE R	AMOUNT R
7.1	C3.3.2.1	Scope of mandatory subcontractors work	Prov.Sum	1.00	9,944,744.89	9,944,744.89
TOTAL FOR SECTION 7 CARRIED FORWARD TO SUMMARY						

CONTRACT:

MIS 540 115D

BILL OF QUANTITIES

Mqanduli Secondary Bulk Water Supply Phase 2A: Contract 4

BILL:

SECTION	DESCRIPTION	AMOUNT R
1	SABS 1200 A - GENERAL	
2	SABS 1200 C - SITE CLEARANCE (PIPE ROUTE)	
3	SABS 1200 D - EARTHWORKS (PIPE ROUTE)	
4	SABS 1200 DB - PIPE TRENCHES	
5	SABS 1200 L - MEDIUM-PRESSURE PIPELINES	
6	SABS 1200 LB - BEDDING: (PIPES)	
7	SUBCONTRACTOR SCOPE	
	NET TOTAL OF TENDER	
	ADD CONTINGENCIES 10.00% OF NET TOTAL	
	TENDER AMOUNT	
	CONTRACT PRICE ADJUSTMENT PROVISION	0.00
	ALLOWANCE FOR VAT AT 15.00%	
	TOTAL TENDER SUM	