

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	SANS 1200A	SECTION P1 : PRELIMINARY AND GENERAL				
A1	8,3	FIXED-CHARGE ITEMS				
A1.1	PSA 8.3.1	Contractual Requirements	Sum	1		
A1.2		Establish Facilities on the Site :				
A1.2.1		Facilities for Engineer (SANS 1200AB)				
A1.2.1.1	PSA 8.3.2.1 (a)	Office Accommodation				
		(a) Offices (interior floor space with partitioning and individual offices, supplied as Portacamps, to be specified by the Engineer)	m ²	50		
		(b) Ablution units	m ²	20		
		(c)Office Furniture				
		(i) Chairs	No	8		
		(ii) Desks, complete with drawers and locks	No	3		
		(iii) Drawing tables	No	2		
		(iv) Conference tables	No	1		
		(v) Plan cabinets (3 drawers)	No	2		
		(d)Office fittings Installations and equipment				
		(1) Items measured by number				
		(i) 220/250 volt power points	No	5		
		(ii) Double 55 watt fluorescent light fittings complete with ballast and tubes	No	10		
		(iii) Wash-hand basin complete with taps and drains	No	2		
		(iv) Fire extinguisher 9,0 kg all purpose	No	4		
		(v) Air conditioning units with 2,2 kW minimum capacity, mounted and with own power connection (Hot & Cold)	No	3		
		(vi) General-purpose steel cupboards with shelves	No	2		
		(vii) Steel filing cabinets with drawers	No	2		
		(viii) Refrigerators (min. 200L)	No	1		
		(ix) Microwave oven	No	1		
		(2) Items measured by area				
		(x) Shelving as specified, complete with brackets	m ²	20		
		(xi) Venetian blinds	m ²	20		
		(xii) White Board 3m x 2m with all color markers	No	1		
		(xiii) Pin board, 2m x 1m	No	2		
		(e)Car ports				
		(i)Minimum 2.5m wide covered Car ports at offices	No	5		
A1.2.1.2		Services for Engineers and engineer's personal				
		(a) Engineer's Provision for electrical and electronic equipment	Prov Sum		40 000,00	40 000,00
		(b) Engineer's Provision of Laboratory Equipment and for payment for Soecilised Qualitv Assurance / Control Testina	Prov Sum		300 000,00	300 000,00
		(c) Engineer's Provision for rented accommodation	Prov Sum		100 000,00	100 000,00
	8.3.2.1 (d)	(d)Survey equipment	Prov Sum	1	20 000,00	20 000,00
		(e)Supply of radio handsets (x2) (Including communication)	Prov Sum	1	10 000,00	10 000,00
		(f) handling costs in relation (a), (b), (c) ,(d),and (e), above	%	470 000		
A1.2.1.3	8.3.2.1 (c)	Construction name boards (x2)	Sum	1		
A1.2.2	8.3.2.2	Facilities for Contractor	Sum	1		
A1.2.3	8.3.5	Security of contractor's plant and personnel	Sum	1		
A1.2.4	PSAB 8.3.5	Provide a Health and Safety plan which complies to all the requirements of the OHS Act for the duration of the Contract:				
		(a)General safety obligations (including provision of personal protective equipment)	Sum	1		
		(b)Risk assessment	Sum	1		
		(c)Health and safety plan	Sum	1		
		(d)Training	Sum	1		
		(e)Medical assessment of employees	Sum	1		
TOTAL CARRIED FORWARD						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
A1.2.5		Fulfill legislated and/or specified requirements for blasting (including submission of plans)	Sum	1		
A1.2.6		Comply with all requirements of the Environmental Management Plan and ROD during the duration of the Contract	Sum	1		
A1.2.7	PSA 3.1	Comply with all requirements of the specified quality control system for the duration of the Contract (as set out in Section C 3.1, PS4.2)	Sum	1		
A1.2.8	8.3.3	Other fixed-charge obligations	Sum	1		
A1.2.9	PSA 8.3.4	Removal of Contractor's Site establishment on completion	Sum	1		
A2	8,4	<u>TIME RELATED ITEMS</u>				
A2.1	PSA 8.4.1	Contractual Requirements	Sum	1		
A2.1.1	8.4.2	Operate and maintain facilities on the Site for duration of construction:				
A2.2.1	PSA 8.4.2.1	Facilities for Engineer (SANS 1200AB)				
		Running costs (Operational & Maintenance)				
		(a) Offices	Month	12		
		(b) Car Ports	Month	12		
		(c) Laboratory	Month	12		
		(d) Survey equipment	Month	12		
		(e) Provision of photostat Facilities	Month	12		
A2.2.2		Services for the Engineer and Engineer's Personnel				
A2.2.2.1		(1) Provision of wireless internet connectivity and airtime for all the Engineer's Site personnel for the duration of the contract	-	Prov Sum	40 000,00	40 000,00
A2.2.2.2		(2) Handling costs and profit in respect of subsubitem (1) above	%	40 000		
A2.3	PSA 8.4.2.2	Facilities for Contractor				
A2.3.1	PSA 8.4.3	Supervision for duration of contract	Sum	1		
A2.3.2	PSA 8.4.4	Company and Head Office overhead costs	Sum	1		
A2.3.3	8.4.2.3	Safety and security of plant and personnel for the duration of the contract.	Sum	1		
A2.3.4	PSAB 8.3.5	Occupational health and safety				
		(a) General safety obligations	Sum	1		
		(b) Risk assessment	Sum	1		
		(c) Health and safety plan	Sum	1		
A2.3.5	PSAB 8.3.5.3	Complying with all requirements of the environmental management plan	Sum	1		
A2.3.6	PSA 3.1	Comply with all requirements of the specified quality control system for the duration of the Contract (as set out in Section C 3.1, PS4.2)	Sum	1		
A2.3.7	PS 9.2	Comply to as built requirements as per the survey memo.	Sum	1		
A2.4	8.4.5	Other time-related obligations	Sum	1		
A2.5	PSA 8.4.5 (a) 1 & 2	CLO and PSC				
		(a) Payment of the Community Liaison Officer @ R12000/month	-	Prov Sum	144 000	144 000,00
		(b) Payment of the PSC members for every PSC meeting seating @ R250 per seating	-	Prov Sum	60 000	60 000,00
A2.6		(c) Provision student attachment or inservice training (Including Accomodation,Transportation and Airtime)	-	Prov Sum	300 000	300 000,00
A2.7	PSA8.5	(d) Provision for accredited training to local labour				
		(i) Generic skills	-	Prov Sum	150 000,00	150 000,00
		(i) Entrepreneurial skills	-	Prov Sum	100 000,00	100 000,00
A2.9		(e) Handling costs in relation to (a), (b), (c), and (d) above	%	754 000		
A3	8,8	<u>TEMPORARY WORKS:</u>				
A3.1	PSA 8.8.2	Deal with traffic and maintain road (or accommodation of traffic)	Sum	1		
TOTAL CARRIED FORWARD						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
A3.2		Obtain permissions, fulfill requirements and maintain protection to crossing or work parallel to various existing services:				
		(a) Fences, damwall, sleeves, staywires, sign-posts, cables, boreholes, waterpipes, sewers, drains, pipes etc	Sum	1		
		(b) Overhead powerlines and underground earth straps and cables	Sum	1		
		(c) Overhead telephone lines and underground connections	Sum	1		
A3.3	8.8.4	Existing services:				
A3.3.1 (LIC)		(a) Supply or hire specialist equipment for the detection of underground services	Sum	1		
A3.3.2 (LIC)		(b) The use of equipment referred to in item (a) above	Sum	1		
A3.3.3 (LIC)		(c) Excavation by hand in soft material to expose services	m ³	100		
A3.3.4 (LIC)		(d) Temporary protection	Sum	1		
A3.4	PSL 7.1	Expose and survey existing reticulation pipes	Sum	1		
A3.5	8.8.3	Protection of the Works	Sum	1		
A4	8.5	Sums stated provisionally by the Engineer:				
A4.1		Repairs to damaged pipe coating and lining (not caused by contractor)	Sum	1		
TOTAL CARRIED FORWARD						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SANS 1200C	SECTION P2 : SITE CLEARANCE CLEAR SITE				
C1	PSC 8.2.1	Clear and grub	m	36 000		
C2	PSC 8.2.3	Remove and grub all individual trees and tree stumps, coppices forests or plantations regardless of girth only under instruction from the Engineer	ha	1		
C4	5.2.3.3	Plant indigenous trees, min 3m tall, to replace removed trees where instructed by the Engineer (to include for supply, preparation, planting and monitoring until established)	No	5		
C5		Reclear surfaces (only on instructions from the Engineer)	ha	0,50		
C6 (LIC)	PSC 8.2.5	Take down existing fences	km	10		
C7 (LIC)		Replace fences immediately after completion of construction	km	6		
C8	8.2.6	Clear hedge or fence or both where not scheduled separately	m	1 000		
C9 (LIC)	PSC 5.3 & PSC 8.2.5	Dealing with fences and walls: (a) Type 1 (Electrical fence) (b) Type 2 (Palisade fence) (c) Type 3 (Security fence) (d) Type 4 (Walls and structures)	m m m m	 50 100		
C10		Dismantle and remove existing pipelines (damaged and decommissioned) (i) less than 200 mm diameter uPVC pipes (ii) greater than 200 mm diameter uPVC pipes (iii) less than 200 mm diameter steel pipes (iv) greater than 200 mm diameter steel pipes	m m m m	50 50		
C11	PSC 5.3	Supply and erect gates in new or existing crossing fences :				
C11.1		Double leaf gate 2,5m wide, 1,8m high with 10m of refurbished fencing	No	5		
C12	PSC 5.1	Construct firebreaks on Engineer's instruction	m ²	1 000		
C13	8.2.10	Top soil: (a) Excavate 150-300mm, stockpile and maintain (b) Replace in top layer of backfilled trench (c) Supply and place top soil (where instructed by Engineer)	m ³ m ³ m ³	1 000 500 500		
C14		Supply, erect and clear on completion (where instructed by Engineer): (a) 80% shade netting (UV stabilised) in 2.5 m widths secured to fencing as screening (only where ordered by the Engineer) (b) 2m high security fence around the working strip (only where ordered by the Engineer)	m m	600 100		
C15		Demolish and remove structures/buildings and dismantle steelwork and dispose of: (a) Pipes (not exceeding 600 mm diameter) (b) Car park sheds (corrugated roof sheets and steel frames)	m m ²	10		
C16		Break out or demolish, including hauling and disposal of the rubble material from the following structures: (b) Brickwork/masonry/concrete chambers (c) Thrust/anchor blocks (d) Pipe encasements (f) Reinforced concrete stub columns (Prov)	m ³ m ³ m ³ m ³	10 10 10 10		
TOTAL CARRIED FORWARD						

RO

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SANS 1200DA	SECTION P3: EARTHWORKS (Small works)				
DA1 (LIC)	8.3.1.b	Excavate in all materials and use for backfill or dispose	m ³	720		
DA2	8.3.1.c	Extra-over for hard rock excavation	m ³	144		
DA3		Extra-over non explosive method of breaking rock (Provisional)	m ³	144		
DA4	8.3.2a	Restricted trench excavation in all materials	m ³	101		
DA5	8.3.2.b	Extra-over for restricted trench excavation in hard rock	m ³	20		
DA6	8.3.4	Importing of backfill material from a commercial source	m ³	4		
DA7 (LIC)	8.3.6	Replacement of top soil (as measured in SANS1200C)	m ²	1 000		
DA8	8.3.7	Hydroseeding and other vegetation according to EMP for the rehabilitation of land	m ²	1 000		
DA9	5.1	(i) Survey of Surrounding Structures before Blasting/demolishing	Prov	1	50 000,00	50 000,00
DA 10		Handling costs items of item DA9 above	%	50 000		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SANS 1200DB & PSDB3	SECTION P4: EARTHWORKS (Pipe trenches)				
DB1 (LIC)	8.3.2 (a)	Excavate pipe trenches 0.675m wide in all materials, backfill, compact and dispose of surplus/unsuitable material to the following depths and widths: utilising labour intensive construction methods.				
DB1.1		Exceeding but not exceeding				
		(a) 0.0m-1.0m	m ³	4 860		
		(b) 1.0m-2.0m	m ³	11 340		
DB2	8.3.2 (a)	Excavate pipe trenches 0.71m wide in all materials, backfill, compact and dispose of surplus/unsuitable material to the following depths and widths: utilising conventional construction methods.				
DB2.1		Exceeding but not exceeding				
		(a) 0.0m-1.0m	m ³	3 067		
		(b) 1.0m-2.0m	m ³	7 157		
DB3	8.3.2 (a)	Excavate pipe trenches 0.760m wide in all materials, backfill, compact and dispose of surplus/unsuitable material to the following depths and widths: utilising conventional construction methods.				
DB3.1		Exceeding but not exceeding				
		(a) 0.0m-1.0m	m ³	1 094		
		(b) 1.0m-2.0m	m ³	2 554		
DB4		Extra-over items DB1 to DB3 above for hard rock excavation	m ³	0		
DB5		Extra-over items DB1 to DB3 above for non-explosive method of breaking rock	m ³	0		
DB6		Extra-over items DB1 to DB3 above for excavating and desposing of unsuitable material from trench bottom	m ³	0		
DB7		Extra -over item DB1 to DB3 Overhauling of unsuitable material (Over 1km radius)	m ³	0		
DB8	PSDB 8.3.3	Excavation Ancillaries:				
DB8.1	PSDB 8.3.3.1	Make up deficiency in backfill material (no overhaul will apply - ref. PSDB 8.3.3.4):				
		(a) From other necessary excavations on site	m ³	0		
		(b) Import backfill material from designated borrow pits	m ³	0		
		(c) By importation from commercial or off-site sources	m ³	0		
DB9	PSDB 8.3.3.2	Opening up and closing down of designated borrow pits	Prov Sum	1	60 000,00	60 000,00
DB10		Handling costs in terms of item (i) above	%	60 000		
DB11	8.3.3.3	Compaction in roadways and areas subject to road traffic only when instructed by the Engineer:				
		(a) Under roadways to 95% MOD AASHTO	m ³	6 000		
		(b) Elsewhere to 93% MOD AASHTO	m ³	2 400		
DB12	8.3.4.a	Shore trench as approved by the Engineer	m	84		
DB13 (LIC)	PSDB 8.3.5.a	Protection of Existing Services that intersect a trench:				
		(a) Electrical Cable	m	200		
		(b) Telkom Cable	No	50		
		(c) Optic fibre cable	No.	100		
		(d) Traffic light cable	No.	0		
		(e) Railway signal cable	No.	0		
		(f) Water mains and irrigation pipes lines	No.	100		
		(g) Sewers	No.	0		
		(h) Stormwater pipes	No.	50		
		(i) Stormwater drain	No.	50		
		(j) Unkown services	No.	50		
		(k) Overhead power lines	No.	50		
		(l) Overhead telecommunication lines	No.	50		
		(m) Underground telecommunication cables	No.	50		
TOTAL CARRIED FORWARD						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
DB14 (LIC)	8.3.5.b	Protection of Existing Services that adjoin a trench				
		(a) Water mains (all water pipelines)	m	200		
		(b) Stormwater pipelines	m	50		
		(c) Electrical (Lamp posts with overhead cable)	m	50		
		(d) Cables (all buried cables)	m	200		
		(e) Services requiring special care				
		(f) Overhead power cables	m	50		
		(g) Overhead telephone cables	m	50		
		(h) Underground telephone cable	m	20		
		(i) Underground electrical cables	m	50		
		(j) Roads - gravel and tar	m	200		
DB15	PSBD 8.3.6	Finishings:				
DB15.1	PSDB 8.3.6.1	Reinstate road surfaces:				
		(a) Gravel surface	m ²	2 000		
		(b) Gravel shoulders	m ²	100		
		(c) Brick Paved road	m ²	200		
		(d) Concrete Stormwater Drain	m ²	200		
		(e) Asphalt 50mm thick	m ²	10		
		(f) Asphalt 30mm thick	m ²	200		
DB16 (LIC)	PSDB 8.3.6(d)	Backfill the trench with 3% soil cement mixture	m ³	0		
DB17	PS DB 8,3,6 (d)	Backfill the trench with compacted selected excavated material, where directed by Engineer	m ³	0		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
(LIC)	SANS 1200DK	SECTION P5: GABIONS AND PITCHING				
		All excavation for gabions and pitching measured under Section DA				
DK1 (LIC)	8.2.1	GABIONS				
DK1.1		Surface preparation for bedding of gabions	m ²	400		
DK1.2	8.2.2	Supply and construct gabions using galvanised wire mesh nominal internal diameter 2.5mm nominal external diameter 3.5mm. Diaphragms at 1.0m centres. The rate shall cover hand picked stone from commercial source.				
		(a) Mattresses 6m x 2m x 0,3 m deep	m ³	20		
		(b) Mattresses 5m x 5m x 0,3 m at scour valves (20 off)	m ³	20		
DK1.3	8.2.3	Extra over 8.2.2 for packing selected stones for exposed face	m ²	100		
DK2	8.2.4	Geotextiles:				
		(a) Bidim A5 (or equal)	m ²	200		
		(b) Bidim A7 (or equal)	m ²	200		
DK3	8.2.5	Grouted heavy pitching	m ²	100		
DK4	8.2.6	Backing for pitching (Provisional as approved by the Engineer)	m ²	100		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
(LIC)	SANS 1200GA	SECTION P6: CONCRETE (Small works)				
GA1 (LIC)		FORMWORK				
GA1.1		Rough				
GA1.1.1		Vertical to chamber floor for:				
		(a) valve chambers	m ²	200		
GA1.2		Smooth				
GA1.2.1		Vertical to wall for:				
		(a) valve chambers	m ²	30		
		(b) Concrete slabs	m ²	30		
GA1.3	8.1.1.3 (b)	Horizontal to roof soffit for:				
		(a) Valve chambers	m ²	30		
GA1.4		Narrow widths (up to 300 mm)				
		(a) Valve chamber slab	m	50		
GA1.5	8.2.4	Box out holes/form voids (Isolation, scour and air valve chambers):				
		(a) Small, circular, up to 0,35 m diameter, depth over 100 mm and up to 500 mm	No	3		
		(b) Small, other than circular of area up to and including 0,1 m ²	No	2		
		(c) Large, circular, of diameter over 0.35 m and up to and including 0,7 m	No	3		
		(d) Large, other than circular, of area over 0,1 m ² and up to and including 0,5 m ²	No	2		
GA2	8.1.2	REINFORCEMENT				
GA2.1	8.3.1	Mild steel bars for:				
		(a) In valve chambers	kg	100		
GA2.2	8.3.1	High-tensile steel bars for:				
		(a) For valve chambers	kg	100		
GA2.3	8.3.2	High-tensile welded mesh of:				
GA2.3.1		Mass 6.17 kg/m ² :				
		(a) Valve chambers	m ²	20		
TOTAL CARRIED FORWARD						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
GA3 (LIC)	8.4	CONCRETE				
GA3.1	8.4.2	Blinding layer in 15MPa concrete, 50mm thick for: (a) Valve chambers	m ²	500		
GA3.2	8.4.3	Strength concrete, Grade 25MPa (a) valve chambers floors (e) Concrete slabs (a) Thrust blocks	m ³ m ³ m ³	140 20 150		
GA3.3	8.4.4	Unformed surface finishes:				
GA3.3.1		Wood-floated: (a) Valve chambers	m ²	300		
TOTAL CARRIED FORWARD						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
GA5	8,6	PRECAST ELEMENTS				
GA5.1 (LIC)		Supply materials and install/construct precast concrete valve chamber, using 1500mm diameter manhole rings complete with step irons, cover slab, and heavy duty concrete manhole cover and locking mechanism as per Dm No. WCE-W-STD-002	No	110		
GA5.2		Raise the valve chamber by 500mm segment as instructed by the Engineer	No	30		
GA5.3 (LIC)		Supply and install pipe line markers	No	300		
GA5.4 (LIC)		Apply single layer of Bidim A5 and 4 layers bitumen paint as waterproofing layer in waterlogged areas	m ²	600		
GA5.5 (LIC)		Concrete encasement for pipes (as per standard dwg WCE-W-STD-001) including formwork, 20 MPa concrete and reinforcing for:				
		(b) 75mm uPVC pipes	m	30		
		(c) 110mm uPVC pipes	m	10		
		(d) 160mm uPVC pipes	m	30		
TOTAL CARRIED TO SUMMARY						

S1180A1158:	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
(LIC)	SANS 1200LB	<u>SECTION P7 : BEDDING</u>				
LB1 (LIC)	PSLB 3.4	Available from trench (Subclause 3.4.1)				
		a) Selected granular material	m ³	0		
LB2 (LIC)	8.2.2	Importation of bedding				
	8.2.2.2	From borrow pits (Provisional as approved by the Engineer)				
		a) Selected granular material	m ³	0		
	8.2.2.3	From commercial sources (Provisional as approved by the Engineer)				
		a) Selected granular material	m ³	0		
		b) Selected fill material	m ³	0		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SANS 1200L	SECTION P8 : PIPE LAYING, JOINTING AND INSTALLATION OF VALVES AND FITTINGS ETC. AND TESTING				
L1 (LIC)	8.2.1	Supply all materials, labour, tools and equipment and, lay, bed, test and disinfect the following pressure pipes conforming to SANS specifications including all couplings couplings:				
		(a) 75mm dia Upvc, Class 12	m	20 000		
		(b) 110mm dia Upvc, Class 12	m	12 000		
		(c) 160mm dia upvc, Class 12	m	4 000		
		(d) 200mm dia upvc, Class 12	m			
L2 (LIC)		Extra over item L1 above for specials complete with couplings	Sum	1		
L3 (LIC)		uPVC pressure fittings (Class 12)				
L3.1		Bends 11,25 degree				
		(a) 75mm dia	No	50		
		(b) 110mm dia	No	80		
		(c) 160mm dia	No	20		
L 3.2		Bends 22,5 degree				
		(a) 75mm dia	No	100		
		(b) 110mm dia	No	60		
		(c) 160mm dia	No	20		
L3.3		Bends 45 degree				
		(a) 75mm dia	No	30		
		(b) 110mm dia	No	15		
		(c) 160mm dia	No	15		
L3.3		Bends 90 degree				
		(a) 75mm dia	No	60		
		(b) 110mm dia	No	30		
		(c) 160mm dia	No	6		
L3.5		uPVC equal cross				
		(a) 75mm dia	No	3		
		(b) 110mm dia	No	2		
		(c) 160mm dia	No	1		
L3.6 (LIC)		uPVC reducing cross				
		(a) From 110mm dia to 75mm dia	No	3		
		(b) From 160mm dia to 110mm dia	No	2		
		(c) From 160mm dia to 75mm dia	No	1		
L3.7 (LIC)		uPVC equal tees				
		(a) 75mm dia	No	90		
		(a) 110mm dia	No	20		
		(a) 160mm dia	No	5		
L3.8 (LIC)		uPVC reducing tees				
		(a) From 110mm dia to 75mm dia	No	20		
		(b) From 160mm dia to 110mm dia	No	10		
		(a) From 160mm dia to 75mm dia	No	10		
L3.9 (LIC)		uPVC reducer				
		(a) From 110mm dia to 75mm dia	No	4		
TOTAL CARRIED FORWARD						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BROUGHT FORWARD						
L 3.10 (LIC)		(b) From 160mm dia to 110mm dia uPVC end caps	No	2		
		(a) 75mm dia	No	3		
		(b) 110mm dia	No	2		
		(c) 160mm dia	No	1		
L3.11		Flange Adaptor				
		(a) 75mm dia	No	50		
		(b) 110mm dia	No	30		
		(c) 160mm dia	No	30		
L3 (LIC)	8.2.5	VALVES				
L3.1 (LIC)		Supply all materials, labour ,tools and equipment, and install and bed flanged resilient seal gate valves, anti clockwise closing, complete with couplings as per drawings. to suit:				
		(a) 75mm dia uPVC pipes	No	40		
		(b) 110mm dia uPVC pipes	No	30		
		(c) 160mm dia uPVC pipes	No	15		
		(d) 200mm dia uPVC pipes	No			
L3.2 (LIC)		Supply all materials, labour ,tools and equipment, and install and bed Pressure Reducing Valves complete as per drawings. to suit:				
		(b) 75mm dia uPVC pipes	No	1		
		(a) 110mm dia uPVC pipes	No	4		
		(b) 160mm dia uPVC pipes	No			RO
L3.3 (LIC)		Supply all materials, labour ,tools and equipment.and bed air valves complete as per drawings including distance pipe, isolating valve, Tee piece . fittings . to suit various pipe sizes:				
		(i) 25mm class 16	No			RO
		(ii) 50mm class 16	No			RO
L4 (LIC)		FIRE HYDRANTS				
L4.1 (LIC)		Supply all materials, labour ,tools and equipment, and install fire hydrant complete as per drawing: WCE-W-STD-004	No	1		
L5 (LIC)	8,2,11(b)	Thrust blocks and pedestals				
L5.1 (LIC)		Thrust blocks				
		(a) 15Mpa concrete thrust blocks as detailed on the drawings	m ³	150		
L5.2 (LIC)		Concrete pedestals				
		(a)Formwork (rough)	m ²	20		
		(b)Formwork (smooth)	m ²	50		
		(c)Mild steel bars	t	1		
		(d)High-tensile steel bars	t	4		
		(e)Strength concrete, Grade 25MPa	m ³	30		
TOTAL CARRIED TO SUMMARY						

ITEM	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
LF (LIC)	SANS1200LF	<u>SECTION P9:ERF CONNECTIONS (WATER)</u>				
LF1 (LIC)	8,2,1	Supply all materials, labour ,tools and equipment and install 40mm and 20mm HDPE Class 12 Double erf connection complete as shown on the drawing: BLUH-W-STD-006 ,including bends, fittings, valves, temporary plug, including all excavation, and backfilling and excluding saddles and water meters. (a) Long connection (b) Short connection	No No	600 500		
LF2 (LIC)	8,2,1	Supply all materials,labour,tools and equipment ,and install and test 20 mm Single erf connection ,complete as shown on drawing: BLUH-W-STD-006, including bends,fittings,valves, temporary plug, and all excavation and backfilling, excluding saddles and water meters (a) Long connection (b) Short connection	No No	100 100		
LF3 (LIC)	8,2,1	Supply all materials,labour,tools and equipment and install Polypropylene saddles to fit pipe diameter for uPVC pipe with Outlet standard 40 mm dia BSP thread ,male adaptor as shown on drawing: BLUH-W-STD-006 (a) 75mm (b) 110mm (c) 160mm	No No No	500 50 50		
LF4 (LIC)		Supply all materials,labour,tools and equipment and install cast Iron saddles to fit pipe diameter for uPVC pipe with Outlet standard 40 mm dia BSP thread, male adaptor as shown on drawing: BLUH-W-STD-006 (a) 75mm (b) 110mm (c) 160mm	No No No	3 3 3		
LF5 (LIC)	8,2,4	Procure, supply, deliver, fixing and bedding of water meters complete with lockable box . Water meters conforming to SANS 1529-1(as amended from time to time) or similar approved. Working pressure to be 1600Kpa minimum. (Meters to be approved by the Engineer before installation)	No	1 315		
TOTAL CARRIED FORWARD TO SUMMARY						

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B	<u>SECTION P10: ENVIRONMENTAL MANAGEMENT PLAN</u>				
B100.01	Penalty for unnecessary removal of damage to trees for the following diameter sizes:				
	(a) 2600mm girth or less	No	1		Rate Only
	(b) Greater than 2600mm, but less than 6180mm	No			Rate Only
	(c) Greater than 6180mm girth	No			Rate Only
B100.02	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
	(e) 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
B100.03	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 of 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 wild life	No			Rate Only
	(i) Illegal hunting	No			Rate Only
	(j) Urination and defecation anywhere except in designated areas	No			Rate Only
	TOTAL CARRIED FORWARD TO SUMMARY				

**THEMBISILE HANI LOCAL MUNICIPALITY
 CONTRACT NO: THLM/SCM10/2022-23/TSC01
 CONSTRUCTION OF MZIMUHLE WATER INFRASTRUCTURE (WARD 10)
 SUMMARY TO SCHEDULE OF QUANTITIES**

P1	PRELIMINARY AND GENERAL	_____
P2	SITE CLEARANCE	_____
P3	EARTHWORKS (SMALL WORKS)	_____
P4	EARTHWORKS (PIPE TRENCHES)	_____
P5	GABIONS AND PITCHING	_____
P6	CONCRETE (SMALL WORKS)	_____
P7	BEDDING (PIPES)	_____
P8	MEDIUM-PRESSURE PIPELINES.....	_____
P9	ERF CONNECTIONS (WATER)	_____

TOTAL OF SCHEDULE OF QUANTITIES CARRIED TO CALCULATION OF TENDER SUM..... _____

CONTRACT PRICE ADJUSTMENT
 The tenderer shall add 5% of the total of Schedule of Quantities for Contract Price _____

CONTINGENCIES
 The tenderer shall add 10% of the total of Schedule of Quantities for Contingencies and this Sum shall be under the sole control of the Engineer and may be deducted in whole or in part

SUBTOTAL .A..... _____

VALUE-ADDED TAX (VAT)
 The tenderer shall add 15% of the subtotal for value-added tax

TENDER SUM CARRIED TO FORM OF OFFER _____

SIGNED ON BEHALF OF TENDERER :