

PAY REF NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SANS 1200 A	1	<b><u>SECTION 1: PRELIMINARY AND GENERAL</u></b>				
8.3	1.1	<b><u>Scheduled Fixed-Charge Items and Value- Related Items</u></b>				
8.3.1	1.1.1	Contractual Requirements	Sum	1		
8.3.2	1.1.2	Establishment of facilities on the site:				
	1.1.2.1	Facilities for engineer				
	a)	Project Name Board	Sum	1		
	b)	MIG Board	Sum	1		
8.3.2.2	1.1.2.2	Facilities for Contractor				
	a)	Offices and storage sheds	Sum	1		
	b)	Workshops	Sum	1		
	c)	Living accommodation	Sum	1		
	d)	Ablution and latrine facilities	Sum	1		
	e)	Tools and equipment	Sum	1		
	f)	Water supplies, electric power and communications	Sum	1		
	g)	Dealing with water	Sum	1		
8.3.3	1.1.3	Other fixed-charge obligations	Sum	1		
8.3.4	1.1.4	Removal of site establishment	Sum	1		
8.3.10	1.1.5	Provision of accident insurance	Sum	1		
<b>TOTAL CARRIED FORWARD</b>						

PAY REF NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought forward				
8.4	1.2	<b><u>Scheduled Time-Related Items</u></b>				
8.4.1	1.2.1	Contractual Requirements (including insurances)	Sum	1		
8.4.2	1.2.2	Operation and maintenance of facilities on site for duration of construction, except where otherwise stated:				
	a)	Offices and storage sheds	Sum	1		
	b)	Workshops	Sum	1		
	c)	Living accommodation	Sum	1		
	d)	Ablution and latrine facilities	Sum	1		
	e)	Tools and equipment	Sum	1		
	f)	Water supplies, electric power and communications	Sum	1		
	g)	Dealing with water	Sum	1		
8.4.3	1.2.3	Supervision for duration of construction	Sum	1		
8.4.4	1.2.4	Company and head office overhead costs	Sum	1		
8.4.5	1.2.5	Other time-related obligations				
	a)	Other (Specify)	Sum	1		
8.5	1.3	<b><u>Sums stated provisionally by Engineer</u></b>				
PSA 8.5	1.3.1	Quality tests performed at Laboratories on request of Engineer	Prov Sum	1	R 10 000,00	R 10 000,00
	1.3.2	Overhead charges & Profit on Item 1.3.1	%	R 10 000,00		
8.8	1.4	<b><u>Temporary Works</u></b>				
PSA 8.8.4	1.4.1	Existing Services				
	a)	(LI) Hand excavation to locate existing services	m <sup>3</sup>	5		
	b)	(LI) Hand excavation in the vicinity of existing services	m <sup>3</sup>	5		
<b>TOTAL CARRIED FORWARD</b>						

PAY REF NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		Brought forward				
C3.4.22	1.5	<b>Provisions for Health &amp; Safety</b>				
	1.5.1	Provisions for fulfilling OH&S functions	Sum	1		
	1.5.2	Provision for OH&S training, promotion and awareness	Sum	1		
	1.5.3	Provision for occupational health (Medicals – pre and post-employment; Physical and Psychological for work at elevated heights; Medical surveillance for hazardous work; Baseline & audiometric screening tests; HIV and AIDS Programme; etc.)	Sum	1		
	1.5.4	Provision for protective equipment & protective clothing	Sum	1		
	1.5.5	Extra over item 1.5.4 for branding of EPWP PPE	Sum	1		
	1.5.6	Provision for OH&S equipment	Sum	1		
	1.5.7	Provision for ensuring public health and safety	Sum	1		
	1.5.8	Provision for occupational health and safety signage, pictograms and notices	Sum	1		
	1.5.9	Provision must be made to comply with all the regulations relating to Covid19	Sum	1		
	1.6	<b>Training</b>				
	1.6.1	Training of Local Labourers	Prov Sum	1	50 000	R 50 000,00
	1.6.2	Contractor Overhead charges & Profit on Item 1.6.1 above	%	R 50 000,00		
	1.7	<b>Remuneration for a Community Liaison Officer(s)</b>				
	1.7.1	Remuneration of Community Liaison Officer (CLO)	Prov Sum	1	85 000	R 85 000,00
	1.7.2	Contractor Overhead charges & Profit on Item 1.7.1	%	85 000		
<b>TOTAL SECTION 1200 A CARRIED TO SUMMARY</b>						

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SANS 1200 C	2	<b>SITE CLEARANCE</b>				
PSC 8.2.1	2.1	<b>Clear and grub:</b>				
	2.1.1	(LI) Labour-intensive methods: Strips, 2.0 m wide	m	5500		
8.2.2	2.2	<b>Remove and grub large trees and tree stumps of girth:</b>				
	2.2.1	Over 1,0 m and up to and including 2,0 m	No	2		
	2.2.2	Over 2,0 m and up to and including 3,0 m	No	1		
PSC	2.3	(LI) Take down and re-erecting of existing wire fences up to 1,8m high (only where approved by Engineer)	m	10		
8.2.7	2.4	<b>Dismantle and remove specific elements:</b>				
		(LI) Stone pitch channels	m <sup>2</sup>	300		
<b>TOTAL SECTION 1200 C CARRIED TO SUMMARY OF SCHEDULE</b>						

PAY REF NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SANS 1200 DB	3	<b>EARTHWORKS (PIPE TRENCHES)</b>				
PSDB 8.3.2	3.1	<b>TRENCHES FOR SEWER PIPES</b> Excavate in all materials for trenches, backfill, compact and dispose of surplus material:				
	3.1.1	Pipes up to 250 mm dia for depths:				
		(LI) a) Up to 1,0 m	m	90		
		b) Over 1,0 m up to 1.5 m	m	1360		
		c) Over 1,5 m up to 2,0 m	m	2180		
		d) Over 2,0 m up to 2,5 m	m	1490		
		e) Over 2,5 m up to 3,0 m	m	320		
		f) Over 3,0 m up to 3,5 m	m	60		
		g) Over 3,5 m up to 4,0 m	m	0		Rate only
		h) Over 4,0 m up to 4,5 m	m	0		Rate only
PSDB 8.3.2	3.1.2	Extra over item 142.06 above:				
	3.1.2.1	Intermediate excavation	m <sup>3</sup>	18760		
	3.1.2.2	Rock excavation	m <sup>3</sup>	3752		
	3.1.2.3	(LI) Hand excavation and backfill where ordered by the Engineer	m <sup>3</sup>	50		
	3.1.2.4	(LI) Soilcrete backfill where directed by the Engineer	m <sup>3</sup>	50		
8.3.3	3.2	<b>Excavation Ancillaries</b>				
	3.2.1	(LI) Make up deficiency in backfill material:				
		a) From other necessary excavations on Site	m <sup>3</sup>	678		
		b) By importation from commercial or off-site sources selected by Contractor	m <sup>3</sup>	1500		
8.3.5	3.3	<b>Existing services that Intersect or Adjoin a pipe trench</b>				
	3.3.1	(LI) Services that intersect a trench	No	5		
	3.3.2	(LI) Services that adjoin a trench	m	5		
PSDB 8.3.6	3.4	<b>Finishing:</b> Reinstate road surfaces and specific elements complete with all courses:				
	3.4.1	(LI) Stone pitch channels	m <sup>2</sup>	300,00		
	3.4.2	(LI) 150mm THK Gravel wearing course	m <sup>3</sup>	288,00		
PSDB 8.3.7	3.5	(LI) <b>Accommodation of traffic</b>	sum	1		
<b>TOTAL SECTION 1200 DB CARRIED TO SUMMARY</b>						

PAY REF NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200 LB	4	<b>BEDDING (SEWER PIPES)</b> As specified in SANS 1200LB and in the project specifications				
8.2.1	4.1	<b>Provision of bedding from trench excavations:</b>				
	4.1.1	(LI) Selected granular material	m <sup>3</sup>	50		
	4.1.2	(LI) Selected fill material	m <sup>3</sup>	50		
8.2.2	4.2	<b>Supply only of bedding by importation:</b>				
		(LI) From commercial sources:				
	4.2.1	Selected granular material	m <sup>3</sup>	390		
	4.2.2	Selected fill material	m <sup>3</sup>	1710		
PSLB 8.2.6	4.3	(LI) Extra over 4.1 & 4.2 for bedding stabilised with 5% cement	m <sup>3</sup>	25		
<b>TOTAL SECTION 1200 LB CARRIED TO SUMMARY</b>						

PAY REF NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SABS 1200 LD	5	<b>SEWER PIPELINES</b>				
8.2.1	5.1	<b>Supply, lay and bed on class C bedding, complete with couplings:</b>				
		(LI) uPVC Sewer pipes Class 34:				
	5.1.1	160mm dia	m	5500		
	5.1.2	200mm dia	m			Rate only
8.2.2	5.2	<b>Extra over items 5.1 for the supplying, laying, and bedding of uPVC specials complete with couplings:</b>				
	5.2.1	(LI) 45° Pipe junctions:				
		a) 110mm x 160mm dia	No	219		
	5.2.2	(LI) 90° Long radius bends				
		a) 110mm dia	No	32		
	5.2.3	(LI) 45° bends				
		a) 110mm dia	No	438		
	5.2.4	(LI) End caps				
		a) 110mm dia	No	219		
8.2.3	5.3	<b>Brick Manholes complete as shown on SANS 1200 standard detail drawings LD-</b>				
		(LI) Supply all material, labour, plant and equipment for the excavation, backfilling and building of brick manholes, plastered on the inside with standard type 4 manhole cover and frame with benching included for the following depths: Note: Manholes deeper than 800mm must be installed with step irons every 300mm				
	5.3.1	Depth of manhole : 0 - 1.0m	No	1		
	5.3.2	Depth of manhole : over 1.0 - 1.5m	No	28		
	5.3.3	Depth of manhole : over 1.5 - 2.0m	No	55		
	5.3.4	Depth of manhole : over 2.0 - 2.5m	No	37		
	5.3.5	Depth of manhole : over 2.5 - 3.0m	No	13		
	5.3.6	Depth of manhole : over 3.0 - 3.5m	No	2		
	5.3.7	Depth of manhole : over 3.5 - 4.0m	No	0		
	5.3.8	Depth of manhole : over 4.0 - 4.5m	No	0		
8.2.4	5.4	<b>(LI) Extra over item 8.2.3 for backdrops</b>				
	5.4.1	Drop : 0 - 1.0m	No	13		
	5.4.2	Drop : over 1.0 up to 1.5 m	No	8		
	5.4.3	Drop : over 1.5 up to 2.0m	No	1		
	5.4.4	Drop : over 2.0 up to 2.5m	No	1		
8.2.6	5.5	<b>Erf sewer connections</b>				
	5.5.1	(LI) uPVC Sewer pipes:				
		a) 110mm dia	m	1780		
8.2.7	5.5.2	(LI) Encasing of pipes in concrete (sewer slopes steeper than 1:15)	m	25		
8.2.9	5.5.3	(LI) Concrete marker post	No	219		
8.2.11	5.5.4	(LI) Connection to existing sewer manhole	No	3		
8.2.12	5.5.5	(LI) Breaking into existing sewer and building a new manhole	No			Rate only
<b>TOTAL SECTION 1200 LD CARRIED TO SUMMARY</b>						

CLIENT : NAMA KHOI MUNICIPALITY  
CONTRACT NO : BOD/NC062/23/2022-2023  
CONTRACT TITLE : OKIEP ROCKY RIDGE SEWER RETICULATION

**SUMMARY OF SCHEDULE OF QUANTITIES**

SANS 1200 A	:	1. PRELIMINARY AND GENERAL	_____
SANS 1200 C	:	2. SITE CLEARANCE	_____
SANS 1200 DB	:	3. EARTHWORKS (PIPE TRENCHES)	_____
SANS 1200 LB	:	4. BEDDING (SEWERS)	_____
SANS 1200 LD	:	5. SEWER PIPELINES	_____

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**TOTAL OF SCHEDULE OF QUANTITIES**

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**CALCULATION OF TENDER AMOUNT**

<b>TOTAL OF SCHEDULE OF QUANTITIES</b>	_____
ADD 10% CONTINGENCIES	_____
<b>SUB TOTAL</b>	_____
ADD 15% VAT	_____
<b>TOTAL TENDER AMOUNT CARRIED TO TENDER FORM</b>	_____
<b>CONSTRUCTION PERIOD (WEEKS)</b>	_____