	SCHEDULE OF QUANTITIES		CONTRACT No.:		PAGE 1
	FOR THE CONSTRUCTION OF TSHIKOTA CRU'S	B12/20	20-21FY	<b>A</b> 1	
ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNTS
<b>A</b> 1	PRELIMINARY AND GENERAL - FIXED CHARGE AND VALUE RE	ELATED OBL	IGATIONS		
1.1	Contractual Requirements:				
1.1.1	Fixed charge contractual requirements.	Sum	1.00		
1.1.2	Value related contractual requirements.	Sum	1.00		
1.2	Facilities for Engineer:				
1.2.1	Furnished office - 1 No.	No	1.00		
1.2.2	Name boards	Sum	2.00		
1.2.3	Provision of survey equipment.	Sum			
1.3	Facilities for Contractor:				
1.3.1	Offices and storage sheds	Sum	1.00		
1.3.2	Workshops	Sum			
1.3.3	Laboratories	Sum			
1.3.4	Living accommodation	Sum	1.00		
1.3.5	Ablution and latrine facilities	Sum	1.00		
1.3.6	Tools and equipment	Sum	1.00		
1.3.7	Water supplies, electric power and communications	Sum	1.00		
1.3.8	Dealing with water	Sum			
1.3.9	Access	Sum			
1.3.10	Plant	Sum	1.00		
1.3.11	Materials on site storage and protection.	Sum	1.00		
1.3.12	Accommodation of traffic.	Sum			
1.4	Removal of Site Establishment:	Sum	1.00		
1.5	Occupational H&S				
1.5.1	Provision of Health and Safety	Sum	1.00		
1.0.1	Troviolett of Frouter and Outory	Juni	1.00		
1.6	СРАР	%		10.00	
	PRELIMINARY AND GENERAL - FIXED CHARGE AND VA OBLIGATIONS(carried to summary schedule of quantitie		ED		

	SCHEDULE OF QUANTITIES	CONTR	ACT No.:	SECTION No.:	PAGE 2
	FOR THE CONSTRUCTION OF TSHIKOTA CRU's	B12/20	20-21FY	A2	
ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNTS
0	PRELIMINARY AND GENERAL - TIME RELATED OBLIGAT	TIONS	_		
2.1	Contractual Requirements:				
2.1.1	Time related contractual requirements.	Month	12.00		
2.2	Facilities for Engineer:				
2.2.1	Furnished office - 1 No.	Month	12.00		
2.2.2	Survey assistants and material.	Month			
2.3	Facilities for Contractor:				
2.3.1	Offices and storage sheds.	Month	12.00		
2.3.2	Workshops.	Month			
2.3.3	Laboratories.	Month			
2.3.4	Living accommodation.	Month	12.00		
2.3.5	Ablution and latrine facilities.	Month	12.00		
2.3.6	Tools and equipment.	Month	12.00		
2.3.7	Water supplies, electric power and communications.	Month	12.00		
2.3.8	Dealing with water.	Month			
2.3.9	Access.	Month			
2.3.10	Plant.	Month	12.00		
2.4	Supervision for Duration of the Contract:	Month	12.00		
2.7	Environmental Management:	Month	12.00		
2.8	CPAP	%		10.00	
	PRELIMINARY AND GENERAL - TIME RELATED OBLIGAT of quantities Page 96)	<u>Ι</u> ΓΙΟΝS (carri	ed to sumr	nary schedule	

	SCHEDULE OF QUANTITIES	CONT	RACT No.:	SECTION No.:	PAGE 3
	FOR THE CONSTRUCTION OF TSHIKOTA CRU's	B12/2	020-21FY	A3	
ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNTS
0	PRELIMINARY AND GENERAL - PROVISIONAL SUMS				
3.1	Community Liaison Officer:				
3.1.1	Provision for the employment of CLO.	Prov.Sum	1.00	234,000.00	234,000.00
3.1.2	Overheads, charges and profit on item 3.1.1.	%	234,000.00		0.00
3.3	Training:				
3.3.1	Provision for training.	Prov. Sum	1.00	270,000.00	270,000.00
3.3.2	Overheads, charges and profit on item 3.3.1.	%	270,000.00		
3.4	Relocation/Protection of Existing Services:				
3.4.1	Provision for relocation/protection of existing services.	Prov. Sum	1.00	300,000.00	300,000.00
3.4.2	Overheads, charges and profit on item 3.4.1.	%	300,000.00		
3.5	Routine Tests required by Engineer:				
3.5.1	Provision for routine tests.	Prov. Sum	1.00	90,000.00	90,000.00
3.5.2	Overheads, charges and profit on item 3.5.1.	%	90,000.00		
3.6	Occupational Health and Safety Audits:				
3.6.1	Provision for Occupational Health and Safety audits on site.	Prov. Sum	1.00	540,000.00	540,000.00
3.6.2	Overheads, charges and profit on item 3.6.1.	%	540,000.00		
3.7	Student Training				
3.7.1	Provision for Student in Built Environment Training	Prov.Sum	1.00	270,000.00	270,000.00
3.7.2	Overheads, charges and profit on item 3.6.1.	%	270,000.00		
3.8	СРАР	%		10.00	
	PRELIMINARY AND GENERAL - PROVISIONAL SUMS (ca Page 96)	rried to sumr	mary schedule	I of quantities	

	SCHEDULE OF QUANTITIES	CONTRACT No.:		SECTION No.	PAGE 4
	FOR THE CONSTRUCTION OF TSHIKOTA CRU's	B12/20	20-21FY	A4	
ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNTS
0	PRELIMINARY AND GENERAL - DAYWORKS				
4.1	Labour - Normal Working Hours: [Provisional]				
4,1,1	Skilled Labour (Artisan).	hr	48.00		Rate Only
4,1,2	Semi-skilled Labour.	hr	48.00		Rate Only
4,1,3	Unskilled Labour.	hr	48.00		Rate Only
4,1,4	Foreman.	hr	48.00		Rate Only
4,1,5	Extra-over rate for items 5.1.1 to 5.1.4 for work during non working hours.	hr	50.00		Rate Only
4.2	Materials: [Provisional]				
4,2,1	Allowance for Materials used under Dayworks.	Prov.Sum	1.00	300,000.00	300,000.0
4,2,3	Overheads, Handling and all Charges on Item 5.2.1.	%	300,000.00		
4.3	Plant - Heavy Equipment: [Provisional]				
4,3,1	Excavator - Size Cat 225.	hr			Rate Only
4,3,2	Excavator - TLB.	hr			Rate Only
4,3,3	Grader 140G or similar.	hr			Rate Only
4,3,4	Front end loader - bucket capacity ≤ 1.5 m3.	hr			Rate Only
4,3,5	Front end loader - bucket capacity ≤ 1.5 m3.	hr			Rate Only
4,3,6	Tip truck - 5 m3 capacity.	hr			Rate Only
4,3,7	Tip truck - 10 m3 capacity.	hr			Rate Only
4,3,8	Vibratory compaction roller - 13.5 ton.	hr			Rate Only
	Transport cost per any unit of plant to deliver to site and remove from site for items 5.3.1 to 5.3.8	Sum			Rate Only
4.4	Plant - Small Equipment: [Provisional]				
4,4,1	Pedestrian roller - BW90 or similar.	hr			Rate Only
4,4,2	Vibratory plate compactor.	hr			Rate Only
4,4,3	Vibratory rammer.	hr			Rate Only
4.5	СРАР	%		10.00	
	PRELIMINARY AND GENERAL - DAYWORKS (carried to s	ummary sch	edule of qua	ntities Page	

	SCHEDULE OF QUANTITIES	CONTF	RACT No.	SECTION No.	PAGE 5
	For the Demolition of Tshikota Hostels	B12/20	20-21FY	1	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Section 1				
	BILL NO. 1				
	DEMOLITIONS				
	NOTE:				
	Tenderers are advised to study the moded Preambles for Trades				
	before pricing this bill.				
	Where reference is made to trade names in these Bills of Quantities,				
	it shall be taken to read or other equal approved "				-
	Unless otherwise stated herein,all this bill shall be deemed				
	otherwise stated herein ,all items in this bill shall be deemed				
	to fall into Work Group No ,102 for CPAP formula purposes				
	SUPPLEMENTARY PREAMBLES				
	NOTE:				
	The contarctor is specifically requested to visit the site and				
	ascertain for himself the items of Demolition described hereunder				-
	before pricing.				
	In taking down and removing existing work the utmost care shall				
	be observed to prevent any structural or other damage to				
	remaining portions of the building .				
	Special care shall be exercised during the progress of the work				
	to ensure that any electrical installations ,water supply pipes				
	telephone and other services which may be encountered are				
	not interfered with and notice shall be given to the Principal Agent				
	if any disconnection or alterations become necessary .				
	·				
	The contractor shall take all precautions necessary to prevent any				
	nuisance from dust whilst carrying out the work.				
	Carried to Collection				-

	SCHEDULE OF QUANTITIES	CONTR	RACT No.	SECTION No.	PAGE 6
	For the Demolition of Tshikota Hostels	B12/2020-21FY		1	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	REMOVAL OF EXISTING WORK				
	Breaking up and removing unreinforced concrete				
1	Floors				
	Carefully hack -up 80mm floor screed, dis, dispose of debris .	m2	2560		
	Carefully hack -up skirting ,cart away debris and dispose off site.	m	5600		
	Concrete Plinths				
2	Hack-up all concrete plinths around the cubboard units and other	m3	156		
	areas				
	Steps				
3	Hack -up and remove steps at front of the door.	m3	75		
	sills,etc				
4	1500mm x 1500mm window frame from one brick wall	No	45		
5	650mm x 550mm window frame from one brick wall	No	25		
6	580mm x 670mm window frame	No	24		
7	813mm x 2013mm high door frame	No	52		
8	1950mm x1800mm high cupboard door framess	No	13		
	Carried to Collection				

	SCHEDULE OF QUANTITIES	CONTR	RACT No.	SECTION No.	PAGE 7
	For the Demolition of Tshikota Hostels	B12/20	20-21FY	1	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Taking out and removing gates				
9	Security gates 4500 x 2250mm high	No	2		
	Taking out Work top and its Pillars				
10	3500 x 650mm x300mm thick	No	15		
10	OCCU A COCHIIII ACCOMIIII UIICK	110	10		
	away				
11	PVC pipes buried in the ground	No	185		
10	Demous a disconnected sever	No	1		
12	Remove a disconnected geyser	No	ı		
	Taking out the electrical DB and and all electrical cables				
13	Take out one DB	No	1		
	Demoning Loop willing and loop timber				
44	Removing Loose purlins and loose timber	11	1		
14	Remove loose hanging timber	Item	1		
	Remove loose hanging sheets				
15	Remove loose hanging sheets	Item	1		
	Carried to Collection				

	SCHEDULE OF QUANTITIES	CONTR	RACT No.	SECTION No.	PAGE 8
	For the Demolition of Tshikota Hostels	B12/2020-21FY		<b>FY</b> 1	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	O-manufa Amazara				
	Concrete Aprons				
16	Hake -up and removed concrete aprons around the buildings	m2	721		
	Breaking Brick walls				
17	Demolish brick walls both one brick wall and half brick wall	m2	2308		
	Section 2				
	SITE CLEARING				
18	Grub and clear site of all grass, shrubs and trees	ha	2.40		
	OVERHAUL				
19	Remove and dispose rubbbles from site to an allocated dumping site				
	Overhaul in excess of the free-haul of 5.0 km.	m3/km	1		
	Carried to Collection				

	SCHEDULE OF QUANTITIES	CONTR	RACT No.	SECTION No.	PAGE 9
	For the Demolition of Tshikota Hostels	B12/20	20-21FY	1	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SUMMARY FOR DEMOLITIONS				
	COLLECTION				
	Total BROUGHT FORWARD from Page 5				
	T. LIPPOLICUT FORWARD (	-			
	Total BROUGHT FORWARD from Page 6	-			
	Total BROUGHT FORWARD from Page 7				
	Total BROUGHT FORWARD from Page 8				
	Carried to Summary of schedule of quantities Page 96				

	SCHEDULE OF QUANTITIES CONTRACT No.		PAGE 10			
	For the Construction of Tshikota CRUs	B12/2020-21FY				
TEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	TYPE A					
	2 Bed Double Storey					
	2 Dea Double Glorey		-			
	SECTION NO. 1					
	EXTERNAL WORKS					
	BILL NO. 1					
	SITE CLEARANCE ETC					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be					
	used, throughout this bills of quantities in conjuction with and in the context of the					
	obligations, the Model Preambles for Trades (2008 Edition) and any supplementary					
	Preambles to the Model Preambles forming part of these Bills of Quantities					
	No claims arising from brevity of description of items fully described in the said					
	Model Preambles for Trades orSummplentary Preambles to Model Preambles					
	will be granted					
	(CPAP WORK GROUP NO.104) unless otherwise stated					
	,					
	SITE CLEARANCE ETC					
	Site clearance:		2050			
1	Digging up and removing rubbish, debris, vegetation, hedges,	m2	2250		-	
	shrubs and trees not exceeding 200mm girth, bush,including					
	grubbing up roots, filling up holes and compacting to 90% MOD					
	ASSHTO density					
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m	507		_	
	REMOVAL OF TREES ETC					
	Taking out and removing, grubbing up roots and filling in holes					
	Tree stump exceeding 200mm and not exceeding 500mm girth	No	2		-	
4	Tree stump exceeding 500mm and not exceeding 1000mm	No	2		-	
	girth					
	Cutting down and removing, grubbing up roots and					
	filling in holes					
	Hedge exceeding 2m and not exceeding 3m high	m				
	Tree exceeding 200mm and not exceeding 500mm girth	No				
	Tree exceeding 500mm and not exceeding 1000mm girth	No				
	Tree exceeding 1000mm and not exceeding 1500mm girth	No				
9	Tree exceeding 1500mm and not exceeding 2000mm girth	No				
	Carried to Summary	,				
	Carried to Summary	<u>'</u>	+		-	

	SCHEDULE OF QUANTITIES		CONTRACT No.			
	For the Construction of Tshikota CRUs	B12/2020-21FY				
EM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	BUILDING WORKS					
	BILL No. 2					
	EARTHWORKS (PROVISIONAL)					
	NOTE:					
	The Didder must read each description at utual the "appointment of materials, methods to be					
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the					
	obligations, the Model Preambles for Trades (2008 Edition) and any supplementary					
	Preambles to the Model Preambles forming part of these Bills of Quantities					
	Preambles to the woder Preambles Torrning part of these bills of Quantities					
	No claims arising from brevity of description of items fully described in the said					
	Model Preambles for Trades orSummplentary Preambles to Model Preambles					
	will be granted					
	EXCAVATION, FILLING, ETC					
	EXCAVATION, FILLING, ETC OTHER THAN BULK					
	Excavation in earth not exceeding 2m deep					
10	Reduced levels under floors	m3				
11	Trenches	m3	50			
	Extra over trench and hole excavations in earth for excavation in					
12	Soft rock	m3	2		,	
13	Hard rock	m3	1			
	Balance brought down	1				
	Balance brought down	<b> </b>				

	SCHEDULE OF QUANTITIES	CON	ITRACT	No.	PAGE 12	
	For the Construction of Tshikota CRUs	B12	1FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	Balance brought forward				-	
	Extra over all excavations for carting away					
14	Surplus material from excavations and/or stock piles on site to	km/m³	25		-	
	a dumping site to be located by the contractor					
	Risk of collapse of excavations					
	Sides of trench and hole excavations not exceeding 1,5m deep	m2	30		-	
16	Sides of trench and hole excavations exceeding 1,5m deep	m2				
	Keeping excavations free of water					
17	Allow for keeping all excavations free of water and mud	Item	1		-	
	FILLING ETC					
	G5 filling supplied by the contractor compacted to 98% Mod AASHTO density					
	Under floors, steps, pavings etc	m3	18		_	
	Prescribed density tests on filling	IIIo	10			
	"Modified AASHTO Density" test	No	6		_	
13	Woulded Arton 10 Density test	140	-			
	Earth filling obtained from the excavations and/or prescribed stock					
	piles on site, compacted to 93% Mod AASHTO density					
	Over site	m3				
	Under floors, steps, pavings, etc	m3				
	Backfilling to trenches, holes, etc	m3				
	Busidining to deficion, notes, etc					
	Compaction of surfaces					
	Compaction of ground surface under floors etc including					
	scarifying for a depth of 150mm, breaking down oversize					
	material, adding suitable material where necessary and					
	compacting to 93% Mod AASHTO density	m2				
	Prescribed density tests on filling					
24	"Modified AASHTO Density" test	No				
	SOIL POISONING					
	Soil insecticide in accordance with SANS 5859					
	Under floors etc, including forming and poisoning shallow	m2	125		-	
	furrows against foundation walls etc, filling in furrows and		,			
	ramming					
26	To bottoms and sides of trenches etc	m2	212		_	
	TO TOTAL CONTROL OF MAINTING AND					
	Carried to Summary					
	Same to Summary					

	SCHEDULE OF QUANTITIES	CONTRACT No.		PAGE 13		
	For the Construction of Tshikota CRUs	B12/2020-21FY				
EM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	SECTION NO. 2					
	BUILDING WORKS					
	BILL No. 2					
	CONCRETE, FORMWORK AND REINFORCEMENT					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be					
	used, throughout this bills of quantities in conjuction with and in the context of the					
	obligations, the Model Preambles for Trades (2008 Edition) and any supplementary					
	Preambles to the Model Preambles forming part of these Bills of Quantities					
	No claim arising from brevity of description of items fully described in the said Model					
	Preambles for Trades or Supplementary Preambles to Model Preambles					
	will be granted					
	will be granted					
	CONCRETE					
	(CPAP Work Group No. 110)					
	SUBSTRUCTURE					
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES					
	15MPa/20mm concrete					
27	Surface blinding under footings and bases	m3				
	DEINFADAED AANADETE AAAT AAANAT EVAANATED AUDEAACA					
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES 30MPa/19mm concrete					
		2				
	Foundations	m3	50			
29	Surface beds cast in panels on waterproofing (measured	m3	75		,	
	elsewhere)					
	REINFORCED CONCRETE					
	30MPa/20mm concrete					
	Slabs, including beams and inverted beams	m3				
	Stairs, including landings, beams and inverted beams	m3				
	Columns	m3				
	TEST CUBES					
33	Making and testing 150 x 150 x 150mm concrete strength test	No	5			
	cube (Provisional)					
	Balance brought down					

	SCHEDULE OF QUANTITIES		NTRACT		PAGE 14
	For the Construction of Tshikota CRUs		<u>3/2020-2</u>		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance brought forward				-
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float/steel trowel				
	Surface beds, slabs, etc	m2			
- 57	Ourrace beds, slabs, etc	1112			
	Finishing top surfaces of concrete smooth with a power float				
	Surface beds, slabs, etc	m2			
	Core Drill				
	Core drill through 250mm thick reinforced concrete				
	slab,100mm diameter.	No			
	FORMWORK				
	ROUGH FORMWORK (DEGREE OF ACCURACY III)				
	ROOGITI ONINWORK (BEOKLE OF ACCORACT III)				
	(CPAP Work Group No. 111)				
	Book from a Life 21 or				
	Rough formwork to sides	m 7	00		
	Beams	m3	28		-
პგ	Columns	m <sup>3</sup>			
	SMOOTH FORMWORK (DEGREE OF ACCURACY III)				
	Smooth formwork to sides		1		
	Beams				
	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	45		_
	Edges, fiscis, cries and reveals not exceeding soonin riigh of wide	111	73		
	MOVEMENT JOINTS ETC				
	Isolation joints				
41	Isolation joint in slabs 10mm wide sealed with and including	m	20		-
	polyurethane sealant				
	Slip joints		- 40		
42	3mm tempered hardboard between horizontal concrete and	m	13		-
	brick surfaces not exceeding 300mm wide				
	REINFORCEMENT (PROVISIONAL)				
	(CPAP Work Group No. 114)				
	C41				
	Steel reinforcement to structural concrete work				
	Various diameter bars Mild Steel Bars				-
		1	1		
	8mm	Į.	1		-
	10mm	τ	1		-
	High tensil steel bars				
	10mm	t			
	12mm	t	3		-
	16mm	t	2		-
	20mm	t	2		_
	25mm	+	3		
$\longrightarrow$	Z.JIIIII	l .	3		-
	Steel mesh reinforcement				
	Type 245 fabric reinforcement in brick walls with and including	m2	285		-
	butterfly ties at every fourth course		İ		
45	Fabric reinforcement in concrete surface beds, slabs, etc.	m2			
	PRECAST CONCRETE				
	Standard concor or equal pre-stressed concrete lintel bedded In mortar and				
	extending not less than 225mm on either side of opening				
	Precast Lintels				
47	110 x 75mm Lintels in lengths not exceeding 3m	m			
	Carried to Summary		<u> </u>		-
		1	1	l	1

	SCHEDULE OF QUANTITIES		CONTRACT	PAGE 15	
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
TEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO: 3				
	MASONRY				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	Martin 1995 Combar 9 of the 1995 of 9 of 11 day 25 day 19 Martin				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles				
	will be granted				
	(CPAP WORK GROUP NO.118) unless otherwise stated				
	BRICKWORK				
	IN FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFP bricks (14mpa minimum compressive strength) in class II mortar				
	115mm brick walls.	m2	25		
	230mm brick walls.	m2			
	IN SUPERSTRUCTURE				
	Brickwork of NFP bricks (14mpa minimum compressive strength) in class II mortar				
	115mm brick walls.	m2	65		
	115mm brick walls in beam filling.	m2	65		
	230mm brick walls.	m2	312		
			0.2		
	Brickwork reinforcement				
	75mm Wide reinforcement built in horizontally	m	455		
	150mm Wide reinforcement built in horizontally	m	1520		
	12mm Bitumen impregnated fibre board built in vertically between brickwork and	m2	15		
	concrete surface bed				
	Balance brought down				

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 16
	For the Construction of Tshikota CRUs	B12	B12/2020-21FY		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance brought forward				
	Turning pieces				
56	110mm Wide turning piece to lintels etc	m	65		-
	Galvanised hoop iron cramps, ties, etc				
57	4mm Diameter roof tie 2m girth bent double with one end	No	95		-
	fixed to timber and other end built into brickwork				
	Carried to Summary				

	SCHEDULE OF QUANTITIES		ONTRACT		PAGE 17
For the Construction of Tshikota CRUs		E	B12/2020-21FY		
TEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 4				
	WATERPROOFING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles				
	will be granted				
	(CPAP WORK GROUP NO.120) unless otherwise stated				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer of 375 micron"Tarkon or equal approved" DPC embossed				
	damp proof course				
58	In walls	m2	18		_
- 00	III Wallo	III Z	10		
	One layer of 250 micron "Tarkon or equal approved"				
	Gunplas USB Green waterproof sheeting sealed at				
	laps with " Gunplas Pressure Sensitive Tape"				
50	Under surface beds	m2	325		_
	oniuoi ouniuoo bouo		020		
60	On bottoms and sides of ground beams	m2	165		_
- 00	on bottomo ana siaco oi gioana boamo	III Z	100		
	JOINT SEALANTS ETC				
	"Compriband" bitumen impregnated foam plastic				
	joint sealing strips				
61	10 x 10mm sealant in isolation joint	m	65		
	25x20mm In joints between walls	m	03		-
02	2002011111 III JUING DEWEETI WAIIS				
	Carried to Summary				-

	SCHEDULE OF QUANTITIES		CONTRACT	PAGE 18	
	For the Construction of Tshikota CRUs DESCRIPTION		B12/2020-21FY		
TEM		UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 5				
	ROOF COVERINGS ETC				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the				
	obligations, the Model Preambles for Trades (2008 Edition) and any supplementary				
	Preambles to the Model Preambles forming part of these Bills of Quantities				
	1 Tournbloo to the Model 1 Tournbloo Torrining part of those bins of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles				
	will be granted				
	(CPAP WORK GROUP NO.124) unless otherwise stated				
	PROFILED METAL SHEETING AND ACCESSORIES				
	Doof coverings				
	Roof coverings				
	Standard Slate Double Roman concrete roof tiles, size 420 x 332mm laid in straight bond with				
	minimum 75mm headlap, fixed at a pitch of 23° with three rows of tiles at the ridge, eaves and				
	verges for the full overhang and every third tile in every row over the remainder of the roof in a				
	raking pattern using non corrosive nails to 38 x 50mm sawn softwood battens on edge at				
	maximum 345mm centres, on Under Tile Membrane with joints lapped 150mm, fixed over				
	rafters with trusses (elsewhere specified) at 950mm centres all to engineer's designs				
	On roofs not exceeding 25 degrees pitch	m2	186		
64	Standard head wall flashing 185mm girth	m	12		
	ROOF AND WALL INSULATION				
	NOOF AND WALL INSULATION				
	Carried to Summary				
		1			

	SCHEDULE OF QUANTITIES		NTRACT	No.	PAGE 19		
	For the Construction of Tshikota CRUs	B1:	2/2020-2	1FY			
ITEM	DESCRIPTION	UNIT	QNTY		AMOUNT		
	SECTION NO. 2						
$\vdash$	BUILDING WORK						
	BILL NO. 6						
	CARPENTRY AND JOINERY						
	NOTE:						
	NOIE.						
	The Bidder must read each description, study the "specification of materials, methods to be						
	used, throughout this bills of quantities in conjuction with and in the context of the						
	obligations, the Model Preambles for Trades (2008 Edition) and any supplementary						
	Preambles to the Model Preambles forming part of these Bills of Quantities						
	•						
	No claim arising from brevity of description of items fully described in the said Model						
	Preambles for Trades or Supplementary Preambles to Model Preambles						
	will be granted						
	(CPAP WORK GROUP NO.126) unless otherwise stated						
	1						
	ROOFS, ETC						
	NOO! U, LIV		1				
$\vdash$	Sawn coffwood						
<b> </b>	Sawn softwood		-				
0.5	00 - 444 · · · · 1M-II - II · ·		40				
	38 x 114mm Wall plates	m	19				
66	Design, manufacture and deliver on site, plate nailed roof	Item.	1				
	trusses to type A, with area 186m2						
	measured on plan. Each truss 8200mm x 2300mm high						
	overall with 600mm eaves overhan, including all necessary						
	purlins, runners, bracing and cross bracing (wall plates elsewhere)						
	EAVES, VERGES, ETC						
	Pressed Fibre Cement						
	"Everite FC77" or other equal and approved pressed fibre cement 225x12mm						
	flat sheet fascia screwed to trusses to recieve paint						
67	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips	m	125				
	SKIRTINGS						
	Wrought meranti						
68	70 mm x 19 mm Meranti skirting with 19 mm quarter round, to receive varnish	m	125				
	50 x 18mm Meranti cornices nailed	m					
	DOORS, ETC						
	Wrought meranti doors						
	44mm Framed, ledged and braced batten door 0,81 x 2,03m high						
	of 44 x 107mm top rail and stiles, 16 x 107mm middle ledge and braces						
	and 22 x 219mm bottom ledge filled in with 22mm V-jointed one side						
	boarding and covered on the other side with 6mm plywood with veneer						
	to match door let into and including rebates all round.						
70	813mm x 2032mm x 40mm	No	12				
10	O I JIIIIII A 2002IIIIII A 40IIIIII	No	12				
<del></del>	Calid ages Short manel description Managita States and account of		1				
	Solid core flush panel door with Masonite finish and concealed						
	hardwood edges	NI-	10				
/1	813mm x 2032mm x 40mm.	No	12				
<b></b>			1				
	Semi-Solid core flush panel door with Masonite finish and concealed						
	hardwood edges.						
72	813mm x 2032mm x 40mm.	No	18				
	Carried to Summary						

	SCHEDULE OF QUANTITIES CONTRACT No.		PAGE 20			
	For the Construction of Tshikota CRUs	B12/2020-21FY				
EM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	SECTION NO. 2					
	BUILDING WORKS					
	BILL No. 7					
	CEILINGS, PARTITIONS AND ACCESS FLOORING					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be					
	used, throughout this bills of quantities in conjuction with and in the context of the					
	obligations, the Model Preambles for Trades (2008 Edition) and any supplementary					
	Preambles to the Model Preambles forming part of these Bills of Quantities					
	O I					
	No claim arising from brevity of description of items fully described in the said Model					
	Preambles for Trades or Supplementary Preambles to Model Preambles					
	will be granted					
	•					
	(CPAP WORK GROUP NO.129) unless otherwise stated					
	,					
	CEILINGS, ETC					
	NAILED LID CEILINGS					
	NAILED-UP CEILINGS 6 mm thick fibre cement cellulose board, nailed to 38 x 38mm battens					
	(450c/c) with 2mm galvanised or cadium plated clout headed nails					
		-				
72	Complete with H-profile jointing strips.  Ceilings including 38 x 38mm sawn softwood brandering at not	m2	125			
13	exceeding 300mm centres in one direction	IIIZ	125			
	exceeding 300min centres in one direction					
	PLASTERBOARD					
	12.5mm Rhino Plasterboard tapered edged ceiling boards. Secured to					
	a DONN suspended hidden "T" steel grid system. Grid suspended from					
	concrete slab or trusses with metal angle hangers all as per					
	manufacturers requirements. Boards installed with printed side up					
	and all joints to be taped (rhino tape) and skimmed with Rhinolite or					
	Cretestone plaster. All done in accordance with manufacturers'					
	instructions to ensure a smooth unblemished ceiling surface.					
	Ceiling edged with a pre-painted shadowline cornice					
	Horizontal ceilings, including 38 x 38mm sawn softwood					
	brandering at 450mm centres in one direction	m2	125			
	Standoning at 100mm outlies in one allocator	1112	120			
75	Extra over ceilings for trapdoor size 650 x 650mm in clear including all sawn and	No	6			
	wrot Pine framing, etc covered with ceiling board and fitted flush with ceiling.	1				
		1				
	CORNICES	1				
	Masonite Cornices					
	75 x 19mm Masonite cornice, plugged	m	285			
		1				
	INSULATION	1				
	"Aerolite insulation" or other approved insulation	1				
77	40mm thick resin bonded glass fibre or rock mineral wool	m2	125			
- ' '	Total Control Solidon Bolo of Total Inflictat House		120			
	Carried to Summar	<u>,                                    </u>				

	SCHEDULE OF QUANTITIES	(	CONTRACT	No.	PAGE 21	
	For the Construction of Tshikota CRUs		312/2020-2	1FY		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	AFATIAL NA A					
	SECTION NO. 2					
	BUILDING WORKS					
	BILL NO. 8					
	FLOOR COVERINGS, PLASTIC LININGS, ETC					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities					
	No claim arising from brevity of description of items fully described in the said Model					
	Preambles for Trades or Supplementary Preambles to Model Preambles					
	will be granted					
	(CPAP WORK GROUP NO.130) unless otherwise stated					
	FLOOR COVERINGS					
	Vinyl					
	2mm thick sheeting, or equal approved.Installed In accordance with					
	Manufacturers specification and recommendation					
	Colour: To Be Confirmed					
78	On floors and in door openings	m2	125			
	Polish, Sealer, Etc					
	Two coats floor dressing as recommended by the manufacturer's to floor	m2	125			
	coverings and in door openings in strict accordance with the manufacturer's					
	instructions and specifications.					
	Carried to Summary	у				

	SCHEDULE OF QUANTITIES		CONTRACT	PAGE 22		
	For the Construction of Tshikota CRUs	B12/2020-21FY				
EM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	AFATION NO. 0					
	SECTION NO. 2					
	BUILDING WORKS					
	BILL NO. 9					
	IRONMONGERY NOTE:					
	NOIE.					
	The Bidder must read each description, study the "specification of materials, methods to be					
	used, throughout this bills of quantities in conjuction with and in the context of the					
	obligations, the Model Preambles for Trades (2008 Edition) and any supplementary					
	Preambles to the Model Preambles forming part of these Bills of Quantities					
	No claims arising from brevity of description of items fully described in the					
	said Model Preambles for Trades or Supplementary Preambles to Model					
	Preambles will be granted					
	(CPAP WORK GROUP NO.132) unless otherwise stated					
	(CFAF WORK GROOF NO. 132) uliless officiwise stated					
	CATCHES, CABIN HOOKS, ETC					
	orienze, oriented zio					
80	Hat & Coat Hook Rubber Buffer, plugged (code: 15469)	No	24			
	LOCKS					
	Chromium plated two lever mortice lockset					
	Satin chromium plated three lever mortice lockset with striking plate					
81	66mm Standard double cylinder (code : IGG950933338)	No	24			
00	70 D. Cl   1   /   700/00)	NI.	0.4			
82	76mm Profile arch sash lock (code: 730/68)	No	24			
02	Disabled Mortice indicator lock (code: 195/05)	Sets	1			
03	Disabled Worlice Indicator lock (code. 193703)	Seis	-			
	HANDLES					
	HARDLES					
84	19mm Sanford I/on rose handle (code: EDD104C059)	Pairs	24			
-						
	DOOR CLOSER					
85	Standard door closer ( code: AZ1503R)	Sets	11			
86	Standard arm & p/arm (code: AZ4001DA)	Sets	1			
87	D/Stop rubber buffer (code: 139/69)	No	24			
	Balance brought down					

	SCHEDULE OF QUANTITIES	CO	NTRACT	No.	PAGE 23
	For the Construction of Tshikota CRUs		B13/2020-21FY		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance brought forward				
	LETTERS, NAMEPLATES, ETC				
	LETTERO, NAMEE EATES, ETO				
88	150 x 150 x 0.9mm thick stainless steel pictogram engraved	No	6		
	with male sign				
89		No	6		
	with male sign				
90	150 x 150 x 0.9mm thick stainless steel pictogram engraved	No	6		
	with a disabled person sign	110			
	•				
91		No	6		
	fire hose reel, fire extinguisher or fire exit symbol.				
	SUNDRY IRONMONGERY ITEMS	H2	0		
	ONDAT INCAMOROLAT TIEMO	112	0		
92	32mm Stainless steel Paraplegic side grab rail (code DL2)	No	1		
93	32mm Stainless steel Paraplegic rear grab rail around cistern (code SR2A)	No	1		
	or similar approved				
	BATHROOM FITTINGS				
	Franke or similar approved				
	Tranke of Similar approved				
94	Recessed toilet paper roll holder fwith a single piece	No	6		
	pressed lid, welded container and cylinder lock (code				
	359909)				
	DVO.				
	PVC				
95	Edge trims.	m	94		
- 30			1		
	Carried to Summary				

	SCHEDULE OF QUANTITIES	CC	ONTRACT	No.	PAGE 24
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 11				
	METALWORK				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claims arising from brevity of description of items fully described in the				
	said Model Preambles for Trades or Supplementary Preambles to Model				
	Preambles will be granted				
	r rearribles will be granted				
96	813 x 2032mm overall Steel security gates formed of 40x60x2mm steel tubing	No	6		
	ingate sorround , 12mm diameter vertical steel rods welded to surrounds				
	Staircase				
	Allow for staircase and its componets and accessories	Item	1		
	DOOR FRAMES, DOORS, WINDOWS, ETC				
	PRESSED STEEL DOOR FRAMES				
	1.6mm pressed steel doorframe double rebated for 230mm wall and 115				
	wall, with 4 paired hinges. Single door units must be supplied with				
			-		
	striking plate and rubber buffers to lock jamb. One coat of		-		
	factory primer paint must be applied to frame before despatch.				
	1,6mm Double rebated frames suitable for half brick walls		1		
97	Frame for door size 813 x 2125mm high	No	18		
	4 Corres Devokto and a forester a suitable for one builds well-		1		
00	1,6mm Double rebated frames suitable for one brick walls	NI.			
98	Frame for door 813 x 2100 mm high	No	6		
			1		
	Carried to Summary				

	SCHEDULE OF QUANTITIES				PAGE 25
	For the Construction of Tshikota CRUs DESCRIPTION	B12/2020-21FY			
EM		UNIT	QNTY	RATE	AMOUNT
	BUILDING WORKS				
	BILL NO. 12				
	PLASTERING				
	NOTE: The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claims arising from brevity of description of items fully described in the said				
	Model Preambles for Trades or Summplentary Preambles to Model Preambles				
	will be granted				
	(CPAP WORK GROUP NO.142) unless otherwise stated	1			
	, , , , , , , , , , , , , , , , , , , ,				
	SCREEDS				
	Screeds on concrete				
99	30mm thick wood floated on floors and landings	m2	325		
	GRANOLITHIC				
	Untinted Granolithic on concrete				
	45mm thick finish on floors and landings	m2	5		
	EXTERNAL PLASTER				
	Cement plaster on brickwork				
101	On walls	m2	165		
	INTERNAL DI ACTER				
	INTERNAL PLASTER				
	Cement plaster on brickwork On walls	0	205		
102	On walls	m2	365		
102	On normal widths not avecading 200mm wide	m0	25		
103	On narrow widths not exceeding 300mm wide	m2	20		
	Cement plaster on concrete				
	On projecting and isolated columns and beams	m2			
	On ceilings	m2			
	On raking soffits of stairs	m2			
.50	S				
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
107	Aluminium tile edge strips	m			
108	30 x 3mm Flat section brass dividing strips between different				
	floor finishes	m			
	Carried to Summar	у			

	SCHEDULE OF QUANTITIES		NTRACT	PAGE 26	
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS		+		
	BILL NO. 13				
	TILING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claims arising from brevity of description of items fully described in the				
	said Model Preambles for Trades or Supplementary Preambles to Model		1		
	Preambles will be granted				
	r rearribles will be granted				
	(CPAP WORK GROUP NO.144) unless otherwise stated				
	WALL TILING				
	600 x 600 x 5mm Thick "Johnson Matisse MWB4 Matt White" glazed				
	ceramic wall tiles fixed with 'Tal Gold Star 6' rapid setting tile adhesive				
	to plaster (elswhere measured) with 2mm wide joints continuous				
	in both directions with joints pointed with 'Tal Fine Epoxy Grout'				
109	On walls	m2	184		
110	On narrow widths not exceding 300mm width	m2	35		
	FLOOR TILING				
	600 x 600mm x 8mm "Johnson" Ceramic floor tiles on "Tal Goldstar 6"		-		
	rapid setting tile adhesive bedding on screed and 6mm flush pointed				
	joints with "Tal Fine Epoxy Grout"				
111	On floors	m2	325		
	Officials	IIIZ	323		
	240x240mm clay floor tiles laid on a smooth, even, dust tree surface				
	with tile adhesive grout				
112	On floors and landings	m2			
110	Cut tiles to akirting 100mm high	m	C.F.		
113	Cut tiles to skirting 100mm high	m	65		
	0		1		
	Carried to Summary				

	SCHEDULE OF QUANTITIES	CO	NTRACT	No.	PAGE 27
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 14				
	PLUMBING AND DRAINAGE				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claims arising from brevity of description of items fully described in the				
	said Model Preambles for Trades or Supplementary Preambles to Model				+
	Preambles will be granted				
	i reambles will be granted				
	(CPAP WORK GROUP NO.148) unless otherwise stated				
	RAINWATER DISPOSAL				
	Steel rainwater gutters and rainwater pipes				
114	100 x 100 x 0.6mm powder coated steel rainwater gutters and downpipes	m	65		
	fixed to roof structure as per manufacturer's specifications				
115	Extra over 100x 100 x 0.6mm powder coated steel rainwater gutter for stopped end	No	2		
440	5. to 2	NI-	7		
110	Extra over 100 x 100 x 0.6mm powder coated steel rainwater gutter for outlet for 75 x 75mm pipe	No	1		
	73 X 73mm pipe				
117	100 x 100mm diameter rainwater pipes	m	25		
111	100 X 100mm diamotor faintfator pipoo		20		
118	Extra over 100 x 100mm rainwater pipe for bend	No	8		
	The state of the s		<u> </u>		
119	Extra over 100 x 100mm rainwater pipe for shoe	No	8		
165					
120	Extra over 100 x 100mm rainwater pipe for offsets	No	5		
	Palaman kususuké dassa				
	Balance brought down				

	SCHEDULE OF QUANTITIES	CC	No.	PAGE 28	
	For the Construction of Tshikota CRUs DESCRIPTION	B12/2020-21FY			
ГЕМ		UNIT	QNTY	RATE	AMOUNT
	Balance brought forward				
	•				
	SANITARY FITTINGS				
	Vaal or equally approved				
121	Vitreous china "orchid" closed coupled 90 degrees outlet	No	6		
	wall hung open rim pan (code 438600) and matching 6 litre				
	pushbutton top dual flush back inlet cistern (code 4386DT)				
	complete with lid, fitment and with bolt-through-the-wall				
	bracket (code 8084Z0)				
122	Ceramic fireclay 595 x455mm "cameo" oval self rimming	No	6		
	vanity basin with one tap and chainstay hole through the				
	centre semi-punched taphole supplied standard without an				
	overflow				
123	"Vaal Potteries" Orchid paraplegic wall hung WC suite	No	6		
	- the state of the paragraph of the state of				
124	Sanitaryware vitreous china sola 510 basin (code: 703700) including	No	6		
	32mm standing overflow tube, chrome plated (code 8630Z0) fixed to wall				
	suing a concealed wall bracket (code 813Z3), and three 10mm bolts				
	(code 844820) and sealed with silicon sealant or equivalent between basin				
	and finished wall surface area or similar approved				
125	Plexicor president 1700 cast acrylic perspex rectangular	No	6		
120	bath in opal finished with with chromium plated grip handles,	110	<u> </u>		
	overall size 1700 x 750 x 400mm deep				
	TO SEE TO				
126	Pre-assembled steel kitchen sink 1500mm x 535mm ,	No	6		
	finished with epoxy power				
	WASTE UNIONS ETC				
	"Cobra Watertech" or equal approved				
127	Sink waste (code 316)	No	6		
	TRAPS ETC				
	Dutton Plastic Engineering				
128	Anti vac bottle trap (code DB22A/V)	No	6		
129	Bath trap ( code 40PBC)	No	6		
0					
	Balance brought down				
	•				

	SCHEDULE OF QUANTITIES	С	ONTRACT	No.	PAGE 29
	For the Construction of Tshikota CRUs	В	12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance brought forward				
	•				
	uPVC				
130	40 x 40mm flexi rubber waste trap	No	6		
	SANITARY PLUMBING				
	uPVC soil and vent pipes				
131	40 mm diameter pipe	m	18		
132	50 mm diameter pipe	m	22		
	·				
133	110mm Pipe laid in and including trench excavation not	m	75		
	exceeding 1m deep including backfilling with selected				
	granular fill in bedding and filling around pipes				
	• • • • • • • • • • • • • • • • • • • •				
	Extra over uPVC soil and vent pipes for fittings				
		No	3		
	•				
135	40mm bend	No	10		
136	40 mm Nipple	No	5		
	-11				
137	50mm bend	No	4		
138	50mm juction	No	5		
	,				
139	50mm reducing junction	No	4		
	· · · · · · · · · · · · · · · · · · ·				
140	110 mm Reducer with anti-syphon horn	No	10		
	· W				
141	110mm bend	No	8		
142	110 mm Straight pan connector	No	10		
	V I				
	Balance brought down				

	SCHEDULE OF QUANTITIES	CO	NTRACT	No.	PAGE 30	
	For the Construction of Tshikota CRUs	B12/2020-21FY			17102 00	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	Balance brought forward					
	•					
143	110 mm Reducing junction	No	4			
144	Vent cowl and setting in top of 110 mm diameter pipe	No	5			
	Sundries					
145	Testing waste pipe system	Item	1			
	WATER SUPPLIES					
	Class 2 copper pipes with brass compression couplings		<u> </u>			
146	22mm Pipes	m	5			
	Future and the Community of the coldered and the Stations					
	Extra over class 2, copper pipes for soldered capillary fittings	No	12			
147	22mm, fittings	No	12			
	FIRE APPLIANCES ETC					
	"Everyway" hose reel to comply with SABS 543, complete with 30m rubber hose,	No.	24			
	chromium plated stop cock, shut-off nozzle and wall bracket	NO.	24			
	ciriotiliani piatea stop cock, shat-on hozzie ana wan bracket					
149	4.5kg Dry chimical powder fire extinguisher complete with brackets fixed to wall	No.	96			
140	4.5kg bt) similical powder life extinguistici complete with brackete inca to wall	110.	30			
	ELECTRIC HOT WATER HEATERS					
	150L electric water heater complying with SABS 151-2002, overall size 1335 x					
	538mm high, operating at 400kPa with temperature and pressure safety relief valve					
	including 20mm female draincock with inlet compression. Geyser to be wall mounted					
	vertically using supplied wall mounting brackets with 620 x 560mm wide					
	polyethylene drip tray with union and back nut connected to 20mm PVC overflow pipe					
	taken out at eaves (Code: GSTP-760) and 15mm pipe work including two 15mm vacuum breakers installed on hot and cold water supply. Installation to include a 15mm 400kPa					
	multi control and expansion relief valve, all in accordance with SANS 10254, connected					
	to single phase electrical power supply with isolator 1m away from connection on					
	geyser.					
	150 Litre geyser floor/wall electric water heater	No.	96			
	· · · · · · · · · · · · · · · · · · ·	2-				
	WATER METERS					
	Provide erf connections complete; Includes trench, bedding, backfill, pipe fittings, water					
	meter, sadles marker posts and all material,including work to complete the connection (saddles to main pipe measured elsewhere)					
		No	96			
	TESTING					
	Allow for testing of all sanitary plumbing, water supplies and fire services to the	Item	1			
	satisfaction of the Principal Agent.					
	All defective works are to be taken out and replaced at the contractor's expense					
	and the whole re-tested until found satisfactory.					
	Carried to summary	]				

	SCHEDULE OF QUANTITIES	CO	NTRACT	No.	PAGE 31
	For the Construction of Tshikota CRUs		2/2020-2		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 15				
	GLAZING				
	NOTE:				
	The Contractor must read each The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities description throughout this				
	No claims arising from brevity of description of items fully described in the said				
	Model Preambles for Trades or Summplentary Preambles to Model Preambles				
	will be granted				
	will be granted				
	(CPAP WORK GROUP NO.150) unless otherwise stated				
	SUPPLEMENTARY PREAMBLES				
	SUPPLEMENTART PREAMBLES				
	Flort along				
	Float glass				
	The term "float glass" is used for monolithic annealed glass				
	Lauringtod along				
	Laminated glass				
-	Laminated glass to have polyvinyl butyral (PVB) interlayer(s)				
	CLAZINIC TO STEEL WITH DUTTY				
	GLAZING TO STEEL WITH PUTTY				
	6,4mm safety glass Panes exceeding 0,1 and not exceeding 0,5m2	m2	12		
152	ranes exceeding 0,1 and not exceeding 0,5m2	1112	12		
	TOPS, SHELVES, DOORS, MIRRORS, ETC				
	6mm Silvered float glass mirrors with bevelled and polished edges,				
	drilled four (4) times and countersunk screwed to plugs in wall with 38 mm				
	long screws, fitted with domed chromium-plated cups				
	600 x 900mm high mirrors	No	6		
100	1000 x 300HHH HIIGH HIIHOIS	INU	0		
	Carried to summary				
	Carried to Summary		<u> </u>		

	SCHEDULE OF QUANTITIES		NTRACT	PAGE 32		
	For the Construction of Tshikota CRUs	B12/2020-21FY				
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	SECTION NO. 2					
	BUILDING WORKS					
	BILL NO. 16					
	PAINTWORK					
	NOTE:					
	The Contractor must read each The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities description throughout this					
	No claims arising from brevity of description of items fully described in the said					
	Model Preambles for Trades or Summplentary Preambles to Model Preambles					
	will be granted					
	····· g·-···					
	(CPAP WORK GROUP NO.152) unless otherwise stated					
	1					
	PAINTWORK, ETC TO NEW WORK ON					
	ON PLASTER, ETC.					
	Internal Walls					
	Prepare and apply, one coat primer, one coat universal under coat, and					
	two PVA (arcrylic) paint					
	On walls	m2	365			
	On narrow widths	m2	35			
	Ceilings.					
	··· 0·					
	External walls					
	Prepare and apply, one coat primer, one coat					
	universal under coat, and two PVA (arcrylic) paint					
	On walls.	m2	195			
	On narrow widths.	m2				
	ON CONCRETE					
	Prepare and apply, one coat primer, one coat universal under coat,					
	and two coats exterior quality PVA emulsion paint					
	On soffits of concrete slabs.	m2				
	On raking soffits of stairs	m2				
	On projecting and isolated columns and beams	m2				
	- p g V	-				
	ON FIBRE-CEMENT					
	One coat primer and two coats professional acrylic polyvinyl acetate					
	Ceilings and cornices, including priming metal cover strips and nailheads	m2	145			
	On fascias and barge boards	m2	42			
			·-			
	Balance brought down					

SCHEDULE OF QUANTITIES		CONTRACT	ΓNo.	PAGE 33
For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
Balance b	rought forward			
ON METAL				
Prepare surface and apply one coat Dulux Duraphos (or equal approved),				
one coat Dulux Duragrip (or equal approved) and two coat Dulux				
Silthane Silk enamel (or equal approved)				
164 On door frames.	m2	28		
165 Gates, grilles, burglar screens, balustrades, etc (both sides measured over full	lat area) m2	21		
166 On gutters and downpipes	m			
ON WOOD ETC.				
Prepare surface and apply one coat Dulux Duragrip				
(or equal approved) and two coats Dulux Silthane				
Silk Enamel (or equal approved)				
167 On doors	m2	65		
Apply one undercoat and one coat high gloss paint.				
168 Back boards of fire extinguishers.	m2			
ON PLASTER BOARD, HARDBOARD, ETC.				
Sand down and apply two coats of Woodoc 30 Varnish				
169 On doors.	m2	65		
170 70 mm x 19 mm Meranti skirting with 19 mm quarter round	m			
Carrie	ed to Summary			

	SCHEDULE OF QUANTITIES	(	CONTRACT No.			
	For the Construction of Tshikota CRUs		B12/2020-21FY			
ITEM	DESCRIPTION			AMOUNT		
1	SITE CLEARANCE	Page	10			
2	EARTHWORKS	Page	11			
3	CONCRETE, FORMWORK AND REINFORCEMENT	Page	13			
4	MASONRY	Page	15			
5	WATERPROOFING	Page	17			
6	ROOF COVERINGS	Page	18			
7	CARPENTRY AND JOINERY	Page	19			
8	CEILINGS,PARTITIONS ETC	Page	20			
9	FLOOR COVERINGS	Page	21			
10	IRONMONGERY	Page	22			
11	METALWORK	Page	24			
12	PLASTERING	Page	25			
13	TILING	Page	26			
14	PLUMBING AND DRAINAGE	Page	27			
15	GLAZING	Page	31			
16	PAINTWORK	Page	32			
	TOTAL SUMMARY PER UNIT					
	96)		24			

	SCHEDULE OF QUANTITIES	CC	ONTRACT N	0.	PAGE 35	
	For the Construction of Tshikota CRUs  DESCRIPTION	B12/2020-21FY				
ITEM		UNIT	QNTY	RATE	AMOUNT	
	TYPE C					
	Two Bedroom Unit					
	I WO Deuroom omit					
	CECTION NO. 4					
	SECTION NO. 1 BUILDING WORKS					
	BILL NO. 2					
	SITE CLEARANCE ETC					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities					
	No claims arising from brevity of description of items fully described in the said					
	Model Preambles for Trades orSummplentary Preambles to Model Preambles					
	will be granted					
	(CPAP WORK GROUP NO.104) unless otherwise stated					
	SITE CLEARANCE ETC					
	Site clearance:					
1	Digging up and removing rubbish, debris, vegetation, hedges,	m2	2250			
	shrubs and trees not exceeding 200mm girth, bush,including					
	grubbing up roots, filling up holes and compacting to 90% MOD					
	ASSHTO density					
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m	507			
	Outpping average 155mm thick layer of top 50h and 5tockpining off site	111	307			
	REMOVAL OF TREES ETC					
	Taking out and removing, grubbing up roots and filling in holes					
3	Tree stump exceeding 200mm and not exceeding 500mm girth	No	2		_	
	Tree stump exceeding 500mm and not exceeding 1000mm	No	2		_	
	airth					
	Cutting down and removing, grubbing up roots and					
	filling in holes					
	Hedge exceeding 2m and not exceeding 3m high	m				
	Tree exceeding 200mm and not exceeding 500mm girth	No				
	Tree exceeding 500mm and not exceeding 1000mm girth	No				
	Tree exceeding 1000mm and not exceeding 1500mm girth	No				
9	Tree exceeding 1500mm and not exceeding 2000mm girth	No				
	Carried to Summary					

	SCHEDULE OF QUANTITIES	C	PAGE 36		
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ГЕМ	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	BUILDING WORKS				
	BILL No. 2				
	EARTHWORKS (PROVISIONAL)				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claims arising from brevity of description of items fully described in the said				
	Model Preambles for Trades orSummplentary Preambles to Model Preambles				
	will be granted				
	EXCAVATION, FILLING, ETC				
	EXCAVATION, FILLING, ETC OTHER THAN BULK				
	Excavation in earth not exceeding 2m deep				
10	Reduced levels under floors	m3			
11	Trenches	<b>m</b> 3	11		
	Extra over trench and hole excavations in earth for excavation in				
	Soft rock	m3	2		
	Hard rock	m3	1		
	Balance Brought Down				

	SCHEDULE OF QUANTITIES		CONTRACT No.  B12/2020-21FY		
	For the Construction of Tshikota CRUs				
TEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward	1			
	Extra over all excavations for carting away	. ,	_		
14	Surplus material from excavations and/or stock piles on site to a dumping site to be located	km/m <sup>3</sup>	5		
	by the contractor				
	Risk of collapse of excavations				
15	Sides of trench and hole excavations not exceeding 1,5m deep	m2	25		
	Sides of trench and hole excavations exceeding 1,5m deep	m2			
	The state of the s				
	Keeping excavations free of water				
17	Allow for keeping all excavations free of water and mud	Item	1		
	FILLING FTO				
	FILLING ETC				
	G5 filling supplied by the contractor compacted to 98% Mod AASHTO density				
18	Under floors, steps, pavings etc	m <sup>3</sup>	5		
	Prescribed density tests on filling				
19	"Modified AASHTO Density" test	No	4		
	Earth filling obtained from the excavations and/or prescribed stock				
	piles on site, compacted to 93% Mod AASHTO density				
20	Over site	m3			
	Under floors, steps, pavings, etc	m3			
	Backfilling to trenches, holes, etc	m³			
	Compaction of surfaces				
23	Compaction of ground surface under floors etc including				
	scarifying for a depth of 150mm, breaking down oversize				
	material, adding suitable material where necessary and				
	compacting to 93% Mod AASHTO density	m2			
	Prescribed density tests on filling				
24	"Modified AASHTO Density" test	No			
	modified 70 OFF O Bottony (OCC	110			
	SOIL POISONING				
	Soil insecticide in accordance with SANS 5859				
25	Under floors etc, including forming and poisoning shallow	m2	45		
	furrows against foundation walls etc, filling in furrows and				
	ramming				
26	To bottoms and sides of trenches etc	m2	50		
	Carried to Summary	<i>'</i>			

	SCHEDULE OF QUANTITIES		CONTRACT No.		PAGE 38
	For the Construction of Tshikota CRUs		12/2020-21F		
TEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL No. 3				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	CONCRETE		1		
	(CDAD Work Crown No. 140)		+		
	(CPAP Work Group No. 110)				
	SUBSTRUCTURE				
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/20mm concrete				
27	Surface blinding under footings and bases	m3			
21	Surface billiumy under lootings and bases	IIIO			
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	30MPa/19mm concrete				
	Foundations	m3	50		
	Surface beds cast in panels on waterproofing (measured elsewhere)	m3	8		_
	Canada 2000 cack in panels on mater processing (measured closessing)				
	REINFORCED CONCRETE				
	30MPa/20mm concrete				
	Slabs, including beams and inverted beams	m3			
	Stairs, including landings, beams and inverted beams	m3			
	Columns	m3			
	TEST CUBES				
33	Making and testing 150 x 150 x 150mm concrete strength test	No	5		-
	cube (Provisional)	-			
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float/steel trowel				
	Surface beds, slabs, etc	m2	45		
	Finishing top surfaces of concrete smooth with a power float				
35	Surface beds, slabs, etc	m2	45		
	-				
	Core Drill				
36	Core drill through 250mm thick reinforced concrete				
	slab,100mm diameter.	No			
			1		
	Balance Brought Down				

	SCHEDULE OF QUANTITIES		NTRACT No		PAGE 39
EM	For the Construction of Tshikota CRUs		2/2020-21F		AMOUNT
ΕM	DESCRIPTION Polyment Forwards Forwards	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	FORMWORK				
	ROUGH FORMWORK (DEGREE OF ACCURACY III)				
	NOOSIN ONMITORIC (BEORLE OF MOODILIOT III)				
	(CPAP Work Group No. 111)				
	Rough formwork to sides				
	Beams	m3	5		
38	Columns	m <sup>3</sup>			
	SMOOTH FORMWORK (DEGREE OF ACCURACY III)				
	Smooth formwork to sides				
	Beams				
40	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	18		
	MOVEMENT JOINTS ETC				
	Isolation joints				
41	Isolation joint in slabs 10mm wide sealed with and including polyurethane sealant	m	15		
- 10	Slip joints				+
42	3mm tempered hardboard between horizontal concrete and	m	8		
	brick surfaces not exceeding 300mm wide				
	DEINICODOCHICAT (DDOVIGIONAL)				
	REINFORCEMENT (PROVISIONAL)				
	(CPAP Work Group No. 114)				
	(CFAF Work Group No. 114)				
	Steel reinforcement to structural concrete work				
	Various diameter bars				
	Mild Steel Bars				
	8mm	t	1		
	10mm	t	1		
		,			
	High tensil steel bars				
	10mm	t			
	12mm	t	2		
	16mm	t	2		
	20mm	t	1		
	25mm	t	9		
	Steel mesh reinforcement				
	Type 245 fabric reinforcement in brick walls with and including butterfly ties at every	m2	45		
	fourth course				
45	Fabric reinforcement in concrete surface beds, slabs, etc.	m2			
	PRECAST CONCRETE				
	Standard concor or equal pre-stressed concrete lintel bedded In mortar and			-	
	extending not less than 225mm on either side of opening			-	
	Precast Lintels			-	
47	110 x 75mm Lintels in lengths not exceeding 3m	m			
	Carried to Summary				

	SCHEDULE OF QUANTITIES		CONTRACT No.			
	For the Construction of Tshikota CRUs	B12/2020-21FY				
EM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	SECTION NO. 2		1			
	BUILDING WORKS					
	BILL NO: 3					
	MASONRY					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities					
	No claim arising from brevity of description of items fully described in the said Model					
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted		+		+	
	Treambles for Trades of Supplementary Freambles to Modern reambles will be granted		+ -			
	(CPAP WORK GROUP NO.118) unless otherwise stated		+			
	(e) / ii / i e i i e e e e e e e e e e e e					
	BRICKWORK					
	IN FOUNDATIONS (PROVISIONAL)					
	Brickwork of NFP bricks (14mpa minimum compressive strength) in class II mortar					
	115mm brick walls.	m2	18			
	230mm brick walls.	m2	1			
	IN SUPERSTRUCTURE					
	Brickwork of NFP bricks (14mpa minimum compressive strength) in class II mortar					
	115mm brick walls.	m2	8			
	115mm brick walls in beam filling.	m2				
	230mm brick walls.	m2	38			
	Brickwork reinforcement					
53	75mm Wide reinforcement built in horizontally	m	125			
	150mm Wide reinforcement built in horizontally	m	165			
55	12mm Bitumen impregnated fibre board built in vertically between brickwork and	m2	9			
	concrete surface bed					
	Turning pieces					
	110mm Wide turning piece to lintels etc	m	15			
	Galvanised hoop iron cramps, ties, etc					
57	4mm Diameter roof tie 2m girth bent double with one end fixed to timber and other end	No	16			
	built into brickwork					
	Carried to Summary		1			

	SCHEDULE OF QUANTITIES		NTRACT N	-	PAGE 41
	For the Construction of Tshikota CRUs	B1	2/2020-21F	Υ	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 4				
	WATERPROOFING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.120) unless otherwise stated				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer of 375 micron"Tarkon or equal approved" DPC embossed				
	damp proof course				
58	In walls	m2	8		-
	One layer of 250 micron "Tarkon or equal approved"				
	Gunplas USB Green waterproof sheeting sealed at				
	laps with " Gunplas Pressure Sensitive Tape"				
	Under surface beds	m2	55		_
60	On bottoms and sides of ground beams	m2	45		-
	JOINT SEALANTS ETC				
	"Compriband" bitumen impregnated foam plastic				
	joint sealing strips				
	10 x 10mm sealant in isolation joint	m	18		-
	25x20mm In joints between walls	m			
	Carried to Summary				
	,				

	SCHEDULE OF QUANTITIES		CONTRACT No.			
	For the Construction of Tshikota CRUs	B12/2020-21FY		Y		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	SECTION NO. 2					
	BUILDING WORKS					
	BILL NO. 5					
	ROOF COVERINGS ETC					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities					
	No claim arising from brevity of description of items fully described in the said Model					
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted					
	(CPAP WORK GROUP NO.124) unless otherwise stated					
	PROFILED METAL SHEETING AND ACCESSORIES					
	Roof coverings					
	Standard Slate Double Roman concrete roof tiles, size 420 x 332mm laid in straight bond with minimum 75mm headlap, fixed at a pitch of 23° with three rows of tiles at the ridge, eaves and verges for the full overhang and every third tile in every row over the remainder of the roof in a raking pattern using non corrosive nails to 38 x 50mm sawn softwood battens on edge at maximum 345mm centres, on Under Tile Membrane with joints lapped 150mm, fixed over rafters with trusses (elsewhere specified) at 950mm centres all to engineer's designs					
63	On roofs not exceeding 25 degrees pitch	m2	65			
	Standard head wall flashing 185mm girth	m	8			
04	Otandard noad wall hashing roomin girti		1			
	ROOF AND WALL INSULATION					
	Carried to Summary					

	SCHEDULE OF QUANTITIES  For the Construction of Tshikota CRUs		0.	PAGE 43	
- N.4	For the Construction of Tshikota CRUs DESCRIPTION	UNIT	312/2020-21F	RATE	AMOUNT
LIVI	DESCRIPTION	UNIT	QIVIT	KAIL	AIVIOUNT
	SECTION NO. 2				
	BUILDING WORK				
	BILL NO. 6				
	CARPENTRY AND JOINERY				
_	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	iniodel Freambles Torming part of these bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted		+		
	Preambles for Trades of Supplementary Preambles to Model Preambles will be granted				
	(CDAD MODIC CDOUD NO 40C) and any other state of				
	(CPAP WORK GROUP NO.126) unless otherwise stated				
	DOOLS LIG	1	-		
_	ROOFS, ETC	1			
	Sawn softwood	1			
	00 - 444 Well alster				
	38 x 114mm Wall plates	m	18		
66	Design, manufacture and deliver on site, plate nailed roof	Item.	1		
	trusses to type C, with area 92m2				
	measured on plan. Each truss 8200mm x 2300mm high				
	overall with 600mm eaves overhan, including all necessary				
	purlins, runners, bracing and cross bracing (wall plates				
	elasewhere)				
	EAVES, VERGES, ETC				
	Pressed Fibre Cement				
	"Everite FC77" or other equal and approved pressed fibre cement 225x12mm				
	flat sheet fascia screwed to trusses to recieve paint				
67	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips	m	65		
	SKIRTINGS				
	Wrought meranti				
	70 mm x 19 mm Meranti skirting with 19 mm quarter round, to receive varnish	m	85		
69	50 x 18mm Meranti cornices nailed	m			
	DOORS, ETC				
	Wrought meranti doors				
	44mm Framed, ledged and braced batten door 0,81 x 2,03m high				
	of 44 x 107mm top rail and stiles, 16 x 107mm middle ledge and braces				
	and 22 x 219mm bottom ledge filled in with 22mm V-jointed one side				
	boarding and covered on the other side with 6mm plywood with veneer				
_	to match door let into and including rebates all round.				
70	813mm x 2032mm x 40mm	No	1		
	Solid core flush panel door with Masonite finish and concealed				
	hardwood edges				
	813mm x 2032mm x 40mm.	No	1		
		1	<u> </u>		
	Semi-Solid core flush panel door with Masonite finish and concealed	1			
	hardwood edges.				
	813mm x 2032mm x 40mm.	No	3		
1 4	O TOTALLA EVOLULLA TOTALLA		1		
		<del> </del>			
	Carried to Summary	1	+		

	SCHEDULE OF QUANTITIES	С	ONTRACT No	).	PAGE 44
	For the Construction of Tshikota CRUs		12/2020-21F	77102 17	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
		5	α		7
	SECTION NO. 2				
	BUILDING WORKS				
	BILL No. 7				
	CEILINGS, PARTITIONS AND ACCESS FLOORINGS				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	The desired continuing part of those 2 me of qualitation				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	1 Tournstoo to Tradoo of Ouppromonary Froumbles to Model Froumbles will be granted				+
	(CPAP WORK GROUP NO.129) unless otherwise stated				
	(CFAF WORK GROOF NO.125) unless unleiwise stated				
	CEILINGS, ETC				
	CEILINGS, ETC				
	NAILED-UP CEILINGS				
	6 mm thick fibre cement cellulose board, nailed to 38 x 38mm battens				
	(450c/c) with 2mm galvanised or cadium plated clout headed nails				
	Complete with H-profile jointing strips.	0	45		
13	Ceilings including 38 x 38mm sawn softwood brandering at not	m2	45		
	exceeding 300mm centres in one direction				
	DI AATERDAA DR				
	PLASTERBOARD				
	12.5mm Rhino Plasterboard tapered edged ceiling boards. Secured to				
	a DONN suspended hidden "T" steel grid system. Grid suspended from				
	concrete slab or trusses with metal angle hangers all as per				
	manufacturers requirements. Boards installed with printed side up				
	and all joints to be taped (rhino tape) and skimmed with Rhinolite or				
	Cretestone plaster. All done in accordance with manufacturers'				
	instructions to ensure a smooth unblemished ceiling surface.				
	Ceiling edged with a pre-painted shadowline cornice				
	Horizontal ceilings, including 38 x 38mm sawn softwood				
	brandering at 450mm centres in one direction	m2	45		
	Extra over ceilings for trapdoor size 650 x 650mm in clear including all sawn and	No	1		
	wrot Pine framing, etc covered with ceiling board and fitted flush with ceiling				
	CORNICES				
	Masonite Cornices				
76	75 x 19mm Masonite cornice, plugged	m	50		
	INSULATION				
	"Aerolite insulation" or other approved insulation				
77	40mm thick resin bonded glass fibre or rock mineral wool	m2	45		
	Carried to Summary				

	SCHEDULE OF QUANTITIES	CC	NTRACT No	).	PAGE 45
	For the Construction of Tshikota CRUs	B1	2/2020-21F	<i>(</i>	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 8				
	FLOOR COVERINGS, PLASTIC LININGS, ETC				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.130) unless otherwise stated				
	FLOOR COVERINGS				
	Vinyl				
	2mm thick sheeting, or equal approved.Installed In accordance with				
	Manufacturers specification and recommendation				
	Colour: To Be Confirmed				
78	On floors and in door openings	m2	45		
	Polish, Sealer, Etc				
	Two coats floor dressing as recommended by the manufacturer's to floor	m2	45		
	coverings and in door openings in strict accordance with the manufacturer's				
	instructions and specifications.				
				·	
	Carried to Summary				

	SCHEDULE OF QUANTITIES		CONTRACT No.		PAGE 46
	For the Construction of Tshikota CRUs		2/2020-21F		
TEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 9				
	IRONMONGERY				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	i reambles for trades of Supplementary Freambles to Moder Freambles will be granted				
	(CPAP WORK GROUP NO.132) unless otherwise stated				
	(6171) World Green World Juliano Grand Mico Grand Grand				
	CATCHES, CABIN HOOKS, ETC				
80	Hat & Coat Hook Rubber Buffer (code: 15469)	No	2		
	LOCKS				
	LOCKS				
	Chromium plated two lever mortice lockset				
	Satin chromium plated three lever mortice lockset with striking plate				
01	66mm Standard double cylinder (code : IGG950933338)	No	4		
01	bonnin Standard double cylinder (code : 166950955556)	INO	4		
82	76mm Profile arch sash lock (code: 730/68)	No	4		
00	D'	0.1.	4		
83	Disabled Mortice indicator lock (code: 195/05)	Sets	1		
	HANDLES				
0.4	40 0 (c. 11/2 b    /   EDD4040050)	Deter	4		
84	19mm Sanford I/on rose handle (code: EDD104C059)	Pairs	4		
	DOOR CLOSER				
Q.E	Standard door closer ( code: AZ1503R)	Sets	4		
00	Statitualu duoli ciusei ( cuue. AZ 1503K)	3619	4		
86	Standard arm & p/arm (code: AZ4001DA)	Sets	1		
87	D/Stop rubber buffer (code: 139/69)	No	4		
	Balance Brought Down				

	SCHEDULE OF QUANTITIES	C	CONTRACT No.		
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ΈM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	Dulunde Brought Formula				
	LETTERS, NAMEPLATES, ETC				
88	100 x 100 x 0.9mm thick stainless steel pictogram engraved with male sign	No	1		
89	100 x 100 x 0.9mm thick stainless steel pictogram engraved with male sign	No	1		
90	160 x 160 x 0.9mm thick stainless steel pictogram engraved with a disabled person sign	No	1		
91	150 x 150mm F4/E16/E17 anodised aluminium plate with fire hydrant symbol,	No	1		
	fire hose reel, fire extinguisher or fire exit symbol.				
	SUNDRY IRONMONGERY ITEMS				
92	32mm Stainless steel Paraplegic side grab rail (code DL2)	No	1		
93	32mm Stainless steel Paraplegic rear grab rail cistern (code SR2A) or similar approved	No	1		
	BATHROOM FITTINGS				
	Franke or similar approved				
94	Recessed toilet paper roll holder fwith a single piece	No	1		
	pressed lid, welded container and cylinder lock (code 359909)				
	PVC				
95	Edge trims.	m	28		
	Carried to Summary				
	ournou to ourninury				

	SCHEDULE OF QUANTITIES	C	CONTRACT N	0.	PAGE 48
	For the Construction of Tshikota CRUs	E	312/2020-21F	Y	
EM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 11				
	METALWORK				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
96	813 x 2032mm overall Steel security gates formed of 40x60x2mm steel tubing	No	1		
	ingate sorround , 12mm diameter vertical steel rods welded to surrounds				
	DOOR FRAMES, DOORS, WINDOWS, ETC				
	PRESSED STEEL DOOR FRAMES				
	1.6mm pressed steel doorframe double rebated for 230mm wall and 115				
	wall, with 4 paired hinges. Single door units must be supplied with				
	striking plate and rubber buffers to lock jamb. One coat of				
	factory primer paint must be applied to frame before despatch.				
	1,6mm Double rebated frames suitable for half brick walls				
97	Frame for door size 813 x 2125mm high	No	3		
	1,6mm Double rebated frames suitable for one brick walls				
98	Frame for door 813 x 2125 mm high	No	1		
	Carried to Summary				
	Carried to Summary		1		

	SCHEDULE OF QUANTITIES	CONTRACT №.		PAGE 49	
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	BUILDING WORKS				+
	BILL NO. 12				
	PLASTERING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be		+		
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Medal Promises for Trades (2006 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
			-		
	No claim arising from brevity of description of items fully described in the said Model		+		
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.142) unless otherwise stated				
	SCREEDS				
	Screeds on concrete	_			
99	30mm thick wood floated on floors and landings	m2	55		
	GRANOLITHIC				
	Untinted Granolithic on concrete				
	45mm thick finish on floors and landings	m2	2		
	EXTERNAL PLASTER				
	Cement plaster on brickwork On walls	0	25		
101	On wails	m2	35		
	INTERNAL PLASTER				
	Cement plaster on brickwork				
	On walls	m2	135		
102	On narrow widths not exceeding 300mm wide	m2	7		
103	On harrow widths not exceeding southin wide	IIIZ	1		
	Cement plaster on concrete				
	On projecting and isolated columns and beams	m2			
	On ceilings	m2			
	On raking soffits of stairs	m2			
	CODNED DOCTECTORS DIVIDING STRIPS FTO				
	CORNER PROTECTORS, DIVIDING STRIPS, ETC	<u> </u>			
107	Aluminium tile edge strips	m	+		
108	30 x 3mm Flat section brass dividing strips between different floor finishes	m	1		
	Carried to Summary				
	Carried to Summary	<b></b>			

	SCHEDULE OF QUANTITIES	CC	NTRACT N	0.	PAGE 50
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 13				
	TILING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No. 1.25 - 2.25 - Complete State of the color of the color of the decode of the color of the col				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(ODAD WORK ODOUD NO 444) - Levelle - See let el				
	(CPAP WORK GROUP NO.144) unless otherwise stated				
	WALL TILING				
	600 x 600 x 5mm Thick "Johnson Matisse MWB4 Matt White" glazed				
	ceramic wall tiles fixed with 'Tal Gold Star 6' rapid setting tile adhesive				
	to plaster (elswhere measured) with 2mm wide joints continuous				
	in both directions with joints pointed with 'Tal Fine Epoxy Grout'				
	On walls	m2	8		
110	On narrow widths not exceding 300mm width	m2	1		
	FLOOR TILING				
	600 x 600mm x 8mm "Johnson" Ceramic floor tiles on "Tal Goldstar 6"				
	rapid setting tile adhesive bedding on screed and 6mm flush pointed				
	joints with "Tal Fine Epoxy Grout"				
111	On floors	m2	45		
	240x240mm clay floor tiles laid on a smooth, even, dust tree surface				
	with tile adhesive grout				
112	On floors	m2		_	
113	Cut tiles to skirting 100mm high	m	12		
	Carried to Summary	1			

	SCHEDULE OF QUANTITIES	С	ONTRACT No	0.	PAGE 51
	For the Construction of Tshikota CRUs	В	12/2020-21F	Υ	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 14				
	PLUMBING AND DRAINAGE				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.148) unless otherwise stated				
	RAINWATER DISPOSAL				
	Steel rainwater gutters and rainwater pipes				
114	100 x 100 x 0.6mm powder coated steel rainwater gutters and downpipes	m	23		
	fixed to roof structure as per manufacturer's specifications				
115	Extra over 100x 100 x 0.6mm powder coated steel rainwater gutter for stopped end	No	2		
116	Extra over 100 x 100 x 0.6mm powder coated steel rainwater gutter for outlet for	No	1		
	75 x 75mm pipe				
11/	100 x 100mm diameter rainwater pipes	m	8		
440	F 1	NI.			
118	Extra over 100 x 100mm rainwater pipe for bend	No	2		
110	Extra over 100 x 100mm rainwater pipe for shoe	No	2		
119	Exita over 100 x 100mill falliwater pipe for Silve	INU			
120	Extra over 100 x 100mm rainwater pipe for offsets	No	2		
120	Exita over 100 x 100mill famiwater pipe for onsets	110			
	Balance Brought Down				
	Datalice Blought Down				

	SCHEDULE OF QUANTITIES		CONTRACT No.			
	For the Construction of Tshikota CRUs	B12/2020-21FY				
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	Balance Brought Forward					
	Balance Brought Forward					
	SANITARY FITTINGS					
	Vaal or equally approved					
121	Vitreous china "orchid" closed coupled 90 degrees outlet	No	1			
141	wall hung open rim pan (code 438600) and matching 6 litre	INO	'			
	pushbutton top dual flush back inlet cistern (code 4386DT)					
			+			
	complete with lid, fitment and with bolt-through-the-wall					
	bracket (code 8084Z0)					
122	Vaal code 7030 Bantam basin, size 340 x 460mm overall,	No	1			
	fixed to wall with two tapholes including intergrated overflow					
	and chainstay hole bolted to wall with two 10mm bolts and					
	silled with silicone sealant where basin meets wall or simila					
	approved					
400	III/III L ' 404 L (L (	NI.				
123	"Vaal" Junior 104deg outlet washdown pan (code: 751300)	No	1			
	and matching 6 litre cistern (code: 712034) complete with lid					
	and fitments, and junior seat complete					
124	Ceramic fireclay 595 x455mm "cameo" oval self rimming	No	1			
	vanity basin with one tap and chainstay hole through the					
	centre semi-punched taphole supplied standard without an					
	overflow					
405						
125	"Vaal Potteries" Orchid paraplegic wall hung WC suite	No	1			
126	Sanitaryware vitreous china sola 510 basin (code:	No	1			
	703700) including 32mm standing overflow tube, chrome					
	plated (code 8630Z0) fixed to wall suing a concealed wall					
	bracket (code 8131z3), and three 10mm bolts(code 844820)					
	and sealed with silicon sealant or equivalent between basin					
	and finished wall surface area or similar approved					
127	Plexicor president 1700 cast acrylic perspex rectangular bath in opal finished with	No	1			
	chromium plated grip handles, overall size 1700 x 750 x 400mm deep		<u>                                     </u>			
128	Pre-assembled steel kitchen sink 1500mm x 535mm, finished with epoxy power	No	1			
	Balance Brought Down					
	Daiance Diought Down	1	1		1	

	SCHEDULE OF QUANTITIES	C	PAGE 53		
	For the Construction of Tshikota CRUs		12/2020-21F	Υ	
TEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	WASTE UNIONS ETC				
	"Cobra Watertech" or equal approved				
129	Sink waste (code 316)	No	1		
	TRAPS ETC				
	Dutton Plastic Engineering				
	Anti vac bottle trap (code DB22A/V)	No	1		
131	Bath trap ( code 40PBC)	No	1		
	uPVC				
132	40 x 40mm flexi rubber waste trap	No	1		
	TAPS, VALVES, ETC				
	SANITARY PLUMBING				
	uPVC soil and vent pipes				
133	40 mm diameter pipe	m	6		
134	50 mm diameter pipe	m	12		
	110mm Pipe laid in and including trench excavation not exceeding 1m deep	m	42		
	including backfilling with selected granular fill in bedding and filling around pipes				
	Extra over uPVC soil and vent pipes for fittings				
136	40mm junction	No	3		
137	40mm bend	No	3		
400	40 N° I	NI.			
138	40 mm Nipple	No	5		
	Balance Brought Down				
	· ·				

	SCHEDULE OF QUANTITIES	CC	NTRACT N	0.	PAGE 54
	For the Construction of Tshikota CRUs	B1	2/2020-21F	Υ	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Down				
	Dalance blought bown				
139	50mm bend	No	1		
140	50mm juction	No	5		
141	50mm reducing junction	No	4		
142	110 mm Reducer with anti-syphon horn	No	8		
143	110mm bend	No	8		
144	110 mm Straight pan connector	No	5		
145	110 mm Reducing junction	No	4		
146	Vent cowl and setting in top of 110 mm diameter pipe	No	5		
	Sundries				
147	Testing waste pipe system	Item	1		
	WATER SUPPLIES				
	Class 2 copper pipes with brass compression couplings				
148	22mm Pipes	m	5		
	Extra over class 2, copper pipes for soldered capillary fittings				
149	22mm, fittings	No	6		
	Balance Brought Down				

SCHEDULE OF QUANTITIES		CC	PAGE 55		
	For the Construction of Tshikota CRUs		B12/2020-21FY		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	FIRE APPLIANCES ETC				
150	"Everyway" hose reel to comply with SABS 543, complete with 30m rubber hose,	No.	6		
	chromium plated stop cock, shut-off nozzle and wall bracket				
151	4.5kg Dry chimical powder fire extinguisher complete with brackets fixed to wall	No.	6		
	, , , , , , , , , , , , , , , , , , ,				
	ELECTRIC HOT WATER HEATERS				
	150L electric water heater complying with SABS 151-2002, overall size 1335 x 538mm				
	high, operating at 400kPa with temperature and pressure safety relief valve including				
	20mm female draincock with inlet compression. Geyser to be wall mounted vertically				
	using supplied wall mounting brackets with 620 x 560mm wide polyethylene drip tray				
	with union and back nut connected to 20mm PVC overflow pipe taken out at eaves				
	(Code: GSTP-760) and 15mm pipe work including two 15mm vacuum breakers installed				
	on hot and cold water supply. Installation to include a 15mm 400kPa multi control and				
	expansion relief valve, all in accordance with SANS 10254, connected to single phase				
	electrical power supply with isolator 1m away from connection on geyser.				
	, , , , , , , , , , , , , , , , , , , ,				
152	150 Litre geyser floor/wall electric water heater	No	6		
	WATER METERS				
	Provide erf connections complete; Includes trench, bedding, backfill, pipe fittings, water				
	meter, sadles marker posts and all material,including work to complete the connection				
	(saddles to main pipe measured elsewhere ):	No	6		
	TESTING				
152	Allow for testing of all sanitary plumbing, water supplies and fire services to the	Item	1		
133	satisfaction of the principal agent.	ILCIII	'		
	All defective works are to be taken out and replaced at the contractor's expense and				
	the whole re-tested until found satisfactory.				
	une whole re-tested until found satisfactory.				
	Carried to Summary				
	Carried to Summary		ļ		

	SCHEDULE OF QUANTITIES	CC	CONTRACT No.			
	For the Construction of Tshikota CRUs	B12/2020-21FY		Υ		
ГЕМ	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	SECTION NO. 2					
	BUILDING WORKS					
	BILL NO. 15					
	GLAZING					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be					
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,					
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the					
	Model Preambles forming part of these Bills of Quantities					
	VI					
	No claim arising from brevity of description of items fully described in the said Model					
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted					
	(CPAP WORK GROUP NO.150) unless otherwise stated					
	100000000000000000000000000000000000000					
	SUPPLEMENTARY PREAMBLES					
	Float glass					
	The term "float glass" is used for monolithic annealed glass					
	Laminated glass					
	Laminated glass to have polyvinyl butyral (PVB) interlayer(s)					
	GLAZING TO STEEL WITH PUTTY					
	6,4mm safety glass					
	Panes exceeding 0,1 and not exceeding 0,5m2	m2	6			
	. and shooting of the net oncoording of the					
	TOPS, SHELVES, DOORS, MIRRORS, ETC					
	6mm Silvered float glass mirrors with bevelled and polished edges,					
	drilled four (4) times and countersunk screwed to plugs in wall with 38 mm					
	long screws, fitted with domed chromium-plated cups					
155	600 x 900mm high mirrors	No	1			
100	oo x oomin nga maoo	110	<del>                                     </del>			
	Carried to Summary				+	
	Carried to Summary				+	

	SCHEDULE OF QUANTITIES	CONTRACT No.		0.	PAGE 57		
	For the Construction of Tshikota CRUs		12/2020-21F		17.32 01		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT		
	SECTION NO. 2						
	BUILDING WORKS						
	BILL NO. 16						
	PAINTWORK						
	NOTE:						
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations,						
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the						
	Model Preambles forming part of these Bills of Quantities						
	iniodel Flearibles Torring part of these bills of Quantities						
	No claim arising from brevity of description of items fully described in the said Model						
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted						
	<u> </u>						
	(CPAP WORK GROUP NO.152) unless otherwise stated						
	PAINTWORK, ETC TO NEW WORK ON						
	ON PLASTER. ETC.						
	Internal Walls	<del> </del>	<del>                                     </del>				
	Prepare and apply, one coat primer, one coat universal under coat, and	1					
	two PVA (arcrylic) paint	1					
	On walls	m2	135				
	On narrow widths	m2	5				
	Ceilings.	1114	3				
130	Cellings.						
	External walls						
	Prepare and apply, one coat primer, one coat						
	universal under coat, and two PVA (arcrylic) paint						
	On walls.	m2	65				
	On narrow widths.	m2					
	ON CONCRETE						
	Prepare and apply, one coat primer, one coat universal under coat,						
	and two coats exterior quality PVA emulsion paint						
161	On soffits of concrete slabs.	m2					
162	On raking soffits of stairs	m2					
163	On projecting and isolated columns and beams	m2					
	ON FIBRE-CEMENT						
	One coat primer and two coats professional acrylic polyvinyl acetate						
	Ceilings and cornices, including priming metal cover strips and nailheads	m2	56				
165	On fascias and barge boards	m2	25				
	ON METAL		<del>                                     </del>				
	Prepare surface and apply one coat Dulux Duraphos (or equal approved),		<del>                                     </del>				
			-				
	one coat Dulux Duragrip (or equal approved) and two coat Dulux Silthane Silk enamel (or equal approved)	<del>                                     </del>			+		
		m2	45		+		
	On door frames.	m2	15				
	Gates, grilles, burglar screens, balustrades, etc (both sides measured over full flat area)	m2	8				
Ιυά	On gutters and downpipes	m	9		+		
	ON WOOD ETC.	<del> </del>	<del>                                     </del>				
	Prepare surface and apply one coat Dulux Duragrip	<del> </del>	<del>                                     </del>				
	(or equal approved) and two coats Dulux Silthane						
	Silk Enamel (or equal approved)						
	On doors	m2	9				
100			3				
	Apply one undercoat and one coat high gloss paint.						
	Back boards of fire extinguishers.	m2					
	·						
	ON PLASTER BOARD, HARDBOARD, ETC.						
	Sand down and apply two coats of Woodoc 30 Varnish						
	On doors.	m2	9				
172	70 mm x 19 mm Meranti skirting with 19 mm quarter round	m					
	Carried to Collection						

	SCHEDULE OF QUANTITIES		CONTRACT No.		PAGE 58	
	For the Construction of Tshikota CRUs DESCRIPTION		B12/2020-21FY			
ITEM		UNIT	QNTY RA	ATE	AMOUNT	
	SUMMARY PAGE					
1	SITE CLEARENCE	Page	35			
2	EARTHWORKS	Page	36			
3	CONCRETE, FORMWORK AND REINFORCEMENT	Page	38			
4	MASONRY	Page	40			
5	WATERPROOFING	Page	41			
6	ROOF COVERINGS	Page	42			
7	CARPENTRY AND JOINERY	Page	43			
8	CEILINGS,PARTITIONS ETC	Page	44			
9	FLOOR COVERINGS	Page	45			
10	IRONMONGERY	Page	46			
11	METALWORK	Page	48			
12	PLASTERING	Page	49			
13	TILING	Page	50			
14	PLUMBING AND DRAINAGE	Page	51			
15	GLAZING	Page	56			
16	PAINTWORK	Page	57			
	TOTAL SUMMARY PER UNIT					
	96)		6	-		

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 59	
	For the Construction of Tshikota CRUs		B03/2020-21	IFY		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	TYPE D					
	One Bedroom Unit					
	One Degroom onit					
	SECTION NO. 1					
	EXTERNAL WORKS					
	BILL NO. 4					
	SITE CLEARANCE ETC					
	NOTE:					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be					
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,					
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the					
	Model Preambles forming part of these Bills of Quantities					
	pinoson i tourisios romanig partor aroso zino en quantado					
	No claims arising from brevity of description of items fully described in the said					
	Model Preambles for Trades or Summplentary Preambles to Model Preambles		+			
	will be granted		+			
	will be granted					
	(CPAP WORK GROUP NO.104) unless otherwise stated					
	,					
	SITE CLEARANCE ETC					
	Site clearance:					
1	Digging up and removing rubbish, debris, vegetation, hedges,	m2	2250			
	shrubs and trees not exceeding 200mm girth, bush,including					
	grubbing up roots, filling up holes and compacting to 90% MOD					
	ASSHTO density					
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m	507			
	REMOVAL OF TREES ETC					
	Taking out and removing, grubbing up roots and filling in holes					
ર	Tree stump exceeding 200mm and not exceeding 500mm girth	No	2		_	
	Tree stump exceeding 500mm and not exceeding 1000mm	No	2		_	
	girth	140				
	Cutting down and removing, grubbing up roots and					
	filling in holes					
5	Hedge exceeding 2m and not exceeding 3m high	m				
	Tree exceeding 200mm and not exceeding 500mm girth	No				
	Tree exceeding 500mm and not exceeding 1000mm girth	No	†			
	Tree exceeding 1000mm and not exceeding 1500mm girth	No				
	Tree exceeding 1500mm and not exceeding 2000mm girth	No	†			
	The state and the state and state an		†			
	Carried to Summary					
	Surrou to Summary					

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 60
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL No. 2				
	EARTHWORKS (PROVISIONAL)				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claims arising from brevity of description of items fully described in the said				
	Model Preambles for Trades orSummplentary Preambles to Model Preambles will be granted				
	EXCAVATION, FILLING, ETC				
	EXCAVATION, FILLING, ETC OTHER THAN BULK				
	Excavation in earth not exceeding 2m deep				
10	Reduced levels under floors	<b>m</b> 3			
11	Trenches	m3	12		-
	Extra over trench and hole excavations in earth for excavation in				
	Soft rock	m3	1		-
13	Hard rock	m3	1		-
	D				
	Balance Brought Down				

	SCHEDULE OF QUANTITIES		CONTRACT		PAGE 61
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ГЕМ	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	Extra over all excavations for carting away	1 / =	-		
14	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	km/m <sup>3</sup>	7		
	by the contractor				
	Risk of collapse of excavations				
15	Sides of trench and hole excavations not exceeding 1,5m deep	m2	35		
16	Sides of trench and hole excavations exceeding 1,5m deep	m2			
17	Keeping excavations free of water	Itam	1		
1/	Allow for keeping all excavations free of water and mud	Item	1		
	FILLING ETC				
	G5 filling supplied by the contractor compacted to 98% Mod AASHTO density				
18	Under floors, steps, pavings etc	m <sup>3</sup>	5		
	Prescribed density tests on filling	IIIo			
	"Modified AASHTO Density" test	No	8		
	mountaine Banky tox				
	Earth filling obtained from the excavations and/or prescribed stock				
	piles on site, compacted to 93% Mod AASHTO density				
	Over site	m <sup>3</sup>			
21	Under floors, steps, pavings, etc	m <sup>3</sup>			
22	Backfilling to trenches, holes, etc	<b>m</b> 3			
	Compaction of surfaces				
	Compaction of ground surface under floors etc including				
	scarifying for a depth of 150mm, breaking down oversize				
	material, adding suitable material where necessary and				
	compacting to 93% Mod AASHTO density	m2			
	Prescribed density tests on filling				
	"Modified AASHTO Density" test	No			
24	INIOUIIIEU MOTTO Delibity test	INO			
	SOIL POISONING				
	Soil insecticide in accordance with SANS 5859				
25	Under floors etc, including forming and poisoning shallow	m2	28		
	furrows against foundation walls etc, filling in furrows and				
	ramming				
26	To bottoms and sides of trenches etc	m2	72		
	0	<u> </u>	<u> </u>		
	Carried to Summary				

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 62		
	For the Construction of Tshikota CRUs		B12/2020-2	1FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT		
	SECTION NO. 2						
	BUILDING WORKS						
	BILL No. 3						
	CONCRETE, FORMWORK AND REINFORCEMENT						
	NOTE:						
	The Bidder must read each description, study the "specification of materials, methods to be						
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,						
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the						
	Model Preambles forming part of these Bills of Quantities						
	No claim arising from brevity of description of items fully described in the said Model						
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted		1				
	CONCRETE		1				
	CONCRETE		1				
	(CDAD Work Croup No. 110)		1				
	(CPAP Work Group No. 110)		+				
	SUBSTRUCTURE		+				
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES						
	15MPa/20mm concrete						
27	Surface blinding under footings and bases	m3					
21	Outland billioning arraor lookings aind bases	1110					
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES						
	30MPa/19mm concrete						
28	Foundations	m3	50		-		
29	Surface beds cast in panels on waterproofing (measured elsewhere)	m3	5		-		
	REINFORCED CONCRETE						
	30MPa/20mm concrete						
	Slabs, including beams and inverted beams	m3					
	Stairs, including landings, beams and inverted beams	m3					
32	Columns	m3					
	TEST CUBES						
33	Making and testing 150 x 150 x 150mm concrete strength test	No	5		-		
	cube (Provisional)		1				
	CONCRETE SUNDRIES						
	*******		+				
	Finishing top surfaces of concrete smooth with a wood float/steel trowel  Surface beds, slabs, etc	m?	28				
ა4	ourrave neus, sians, etc	m2	28				
	Finishing top surfaces of concrete smooth with a power float		+				
	Surface beds, slabs, etc	m2	28				
30			20				
	Core Drill						
	Core drill through 250mm thick reinforced concrete		1				
	slab,100mm diameter.	No	1				
			1				
	Balance Brought Down						
	·						

	For the Construction of Tshikota CRUs  DESCRIPTION	UNIT	B12/2020-21		
	DESCRIPTION	UNII		DATE	AMOUNT
			QNTY	RATE	AMOUNT
	Balance Brought Forward				
	Data to Diought i of water				
	FORMWORK				
	ROUGH FORMWORK (DEGREE OF ACCURACY III)				1
	·				
	(CPAP Work Group No. 111)				
	Rough formwork to sides				
	Beams	m <sup>3</sup>	7		-
38	Columns	<b>m</b> 3			
	CMOOTH FORMWORK (DECREE OF ACCURACY III)				
	SMOOTH FORMWORK (DEGREE OF ACCURACY III) Smooth formwork to sides				
	Beams				_
	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	16		1
40	Layes, risers, erias and reveals not exceeding 300mm right of wide	111	10		+
	MOVEMENT JOINTS ETC				_
	Isolation joints				+
	Isolation joint in slabs 10mm wide sealed with and including polyurethane sealant	m	11		_
	g p - y				
	Slip joints				1
42	3mm tempered hardboard between horizontal concrete and	m	6		-
	brick surfaces not exceeding 300mm wide				
	REINFORCEMENT (PROVISIONAL)				
	(CPAP Work Group No. 114)				
	Steel reinforcement to structural concrete work				
	Various diameter bars				-
	Mild Steel Bars		0		
	8mm 10mm	<u>t</u>	0		-
	10111111	·	0		-
	High tensil steel bars				
	10mm	t			
	12mm	t	0		_
	16mm	t	0		-
	20mm	t	0		_
	25mm	t	0		
	LOUINI		"		<del> </del>
	Steel mesh reinforcement				+
	Type 245 fabric reinforcement in brick walls with and including butterfly ties at every	m2	28		-
	fourth course				1
	Fabric reinforcement in concrete surface beds, slabs, etc.	m2			<del> </del>
	,				
	PRECAST CONCRETE				
	Standard concor or equal pre-stressed concrete lintel bedded In mortar and				
	extending not less than 225mm on either side of opening				
	Precast Lintels			-	
47	110 x 75mm Lintels in lengths not exceeding 3m	m			
	Carried to Summary				

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 64
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO: 3				
	MASONRY				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	Freambles for Trades of Supplementary Freambles to Model Freambles will be granted				
	(CPAP WORK GROUP NO.118) unless otherwise stated				
	(OF AF WORK CROOF NO. 110) unices otherwise stated				
	BRICKWORK				
	IN FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFP bricks (14mpa minimum compressive strength) in class II mortar				
	115mm brick walls.	m2	19		
	230mm brick walls.	m2	10		
10	20011111 Vilot Hallo.	1112			
	IN SUPERSTRUCTURE				
	Brickwork of NFP bricks (14mpa minimum compressive strength) in class II mortar				
	115mm brick walls.	m2	15		
	115mm brick walls in beam filling.	m2			
	230mm brick walls.	m2	52		
	Brickwork reinforcement				
	75mm Wide reinforcement built in horizontally	m	95		-
54	150mm Wide reinforcement built in horizontally	m	152		-
55	12mm Bitumen impregnated fibre board built in vertically between brickwork and	m2	8		-
	concrete surface bed				
	Turning pieces				
56	110mm Wide turning piece to lintels etc	m	12		-
	Galvanised hoop iron cramps, ties, etc	 			
57	4mm Diameter roof tie 2m girth bent double with one end fixed to timber and other end	No	12		-
	built into brickwork				
	Acad II A				
	Carried to Summary				

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 65
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 4				
	WATERPROOFING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.120) unless otherwise stated				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer of 375 micron"Tarkon or equal approved" DPC embossed				
	damp proof course				
58	In walls	m2	14		-
	One layer of 250 micron "Tarkon or equal approved"				
	Gunplas USB Green waterproof sheeting sealed at				
	laps with " Gunplas Pressure Sensitive Tape"				
59	Under surface beds	m2	28		-
60	On bottoms and sides of ground beams	m2	16		-
	•				
	JOINT SEALANTS ETC				
	"Compriband" bitumen impregnated foam plastic				
	joint sealing strips				
61	10 x 10mm sealant in isolation joint	m	18		-
	25x20mm In joints between walls	m			
	Carried to Summary				
	,				

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 66
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 5				
	ROOF COVERINGS ETC				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.124) unless otherwise stated				
	PROFILED METAL SHEETING AND ACCESSORIES				
	Roof coverings				
	Standard Slate Double Roman concrete roof tiles, size 420 x 332mm laid in straight bond with minimum 75mm headlap, fixed at a pitch of 23° with three rows of tiles at the ridge, eaves and verges for the full overhang and every third tile in every row over the remainder of the roof in a raking pattern using non corrosive nails to 38 x 50mm sawn softwood battens on edge at maximum 345mm centres, on Under Tile Membrane with joints lapped 150mm, fixed over rafters with trusses (elsewhere specified) at 950mm centres all to engineer's designs				
63	On roofs not exceeding 25 degrees pitch	m2	58		
	Standard head wall flashing 185mm girth	m	5		
	ROOF AND WALL INSULATION		1		
	Carried to Summary		-		
	Carried to Summary				+

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 67	
	For the Construction of Tshikota CRUs		B12/2020-2			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
	SECTION NO. 2					
	BUILDING WORK					
	BILL NO. 6					
	CARPENTRY AND JOINERY					
	NOTE:					
	The Bidder must read each description, study the "specification of materials, methods to be					
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,					
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the					
	Model Preambles forming part of these Bills of Quantities					
	No claim arising from brevity of description of items fully described in the said Model					
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted					
	Treambles for trades of Supplementary freambles to Moder Freambles will be granted					
	(CPAP WORK GROUP NO.126) unless otherwise stated					
	(C) Al WORK GROOF NO. 120) unless otherwise stated					
	ROOFS, ETC		+		+	
	Sawn softwood		+			
	Sawii Suliwuuu					
<u> </u>	20 v 44 /mm Wall plates		40			
	38 x 114mm Wall plates	m	12			
66	Design, manufacture and deliver on site, plate nailed roof	Item.	1			
	trusses to type C, with area 92m2					
	measured on plan. Each truss 8200mm x 2300mm high					
	overall with 600mm eaves overhan, including all necessary					
	purlins, runners, bracing and cross bracing (wall plates					
	elasewhere)					
	EAVES, VERGES, ETC					
	Pressed Fibre Cement					
	"Everite FC77" or other equal and approved pressed fibre cement 225x12mm					
	flat sheet fascia screwed to trusses to recieve paint					
67	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips	m	45			
	SKIRTINGS					
	Wrought meranti					
	70 mm x 19 mm Meranti skirting with 19 mm quarter round, to receive varnish	m	36			
69	50 x 18mm Meranti cornices nailed	m				
	DOORS, ETC					
	Wrought meranti doors					
	44mm Framed, ledged and braced batten door 0,81 x 2,03m high					
	of 44 x 107mm top rail and stiles, 16 x 107mm middle ledge and braces					
	and 22 x 219mm bottom ledge filled in with 22mm V-jointed one side					
	boarding and covered on the other side with 6mm plywood with veneer					
	to match door let into and including rebates all round.					
70	813mm x 2032mm x 40mm	No	1		1	
		<u> </u>	<del> </del>		1	
	Solid core flush panel door with Masonite finish and concealed				1	
	hardwood edges				1	
	813mm x 2032mm x 40mm.	No	1		<u> </u>	
		1	<u> </u>		<u> </u>	
	Semi-Solid core flush panel door with Masonite finish and concealed					
	hardwood edges.		+		+	
	813mm x 2032mm x 40mm.	No	3			
12	V 1011111 A 2002(11111 A TOTILITI.	. 10	-		+	
	Camial & C		+			
	Carried to Summary		I			

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 68
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL No. 7				
	CEILINGS, PARTITIONS AND ACCESS FLOORINGS				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.129) unless otherwise stated				
	CEILINGS, ETC				
	NAILED-UP CEILINGS				
	6 mm thick fibre cement cellulose board, nailed to 38 x 38mm battens				
	(450c/c) with 2mm galvanised or cadium plated clout headed nails				
	Complete with H-profile jointing strips.				
73	Ceilings including 38 x 38mm sawn softwood brandering at not	m2	28		
	exceeding 300mm centres in one direction				
			1		
	PLASTERBOARD		1		
	12.5mm Rhino Plasterboard tapered edged ceiling boards. Secured to				
	a DONN suspended hidden "T" steel grid system. Grid suspended from				
	concrete slab or trusses with metal angle hangers all as per				
	manufacturers requirements. Boards installed with printed side up				
	and all joints to be taped (rhino tape) and skimmed with Rhinolite or				
	Cretestone plaster. All done in accordance with manufacturers'				
	instructions to ensure a smooth unblemished ceiling surface.				
	Ceiling edged with a pre-painted shadowline cornice				
	Horizontal ceilings, including 38 x 38mm sawn softwood	_	1		
	brandering at 450mm centres in one direction	m2	28		
	Extra over ceilings for trapdoor size 650 x 650mm in clear including all sawn and	No	1		
	wrot Pine framing, etc covered with ceiling board and fitted flush with ceiling				
	AADNIIAEA		1		
	CORNICES Meanite Corriers		1		
	Masonite Cornices	m	00		
76	75 x 19mm Masonite cornice, plugged	m	26		
	INSULATION		+		
	"Aerolite insulation" or other approved insulation		+		
77	40mm thick resin bonded glass fibre or rock mineral wool	m2	27		
11	HOTHIN WHON TESHI DUTICEC GIASS HOTE OF TOON THIRIBIAL WOOL	IIIZ	21		
	Carried to Summary		+		
	Carried to Summary		+		
		j	1		

For the Construction of Tshikota CRUs DESCRIPTION SECTION NO. 2 BUILDING WORKS BILL NO. 8	UNIT	B12/2020-21 QNTY	IFY RATE	AMOUNT
SECTION NO. 2 BUILDING WORKS	UNIT	QNTY	RATE	AMOUNT
BUILDING WORKS				
BUILDING WORKS				
·				
Model Preambles forming part of these Bills of Quantities				
		<u> </u>		
Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
(CPAP WORK GROUP NO.130) unless otherwise stated				
FLOOR COVERINGS				
WI				
,		+		
		-		
		-		
	0	20		
On floors and in door openings	mz	28		
Polish, Sealer, Etc				+
Two coats floor dressing as recommended by the manufacturer's to floor	m2	28		
coverings and in door openings in strict accordance with the manufacturer's				
instructions and specifications.				
			_	
Carried to Summary				
NI LULIN NE NO FILE	Vinyl  Zmm thick sheeting, or equal approved.Installed In accordance with  Manufacturers specification and recommendation  Colour: To Be Confirmed  On floors and in door openings  Polish, Sealer, Etc  Two coats floor dressing as recommended by the manufacturer's to floor coverings and in door openings in strict accordance with the manufacturer's	NOTE: The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities  No claim arising from brevity of description of items fully described in the said Model Preambles for Trades or Supplementary Preambles to Model Preambles will be granted  CPAP WORK GROUP NO.130) unless otherwise stated  FLOOR COVERINGS  Vinyl  2mm thick sheeting, or equal approved.Installed In accordance with  Manufacturers specification and recommendation  Colour: To Be Confirmed  On floors and in door openings  m2  Polish, Sealer, Etc  Two coats floor dressing as recommended by the manufacturer's to floor  coverings and in door openings in strict accordance with the manufacturer's  nstructions and specifications.	NOTE: The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities  No claim arising from brevity of description of items fully described in the said Model Preambles for Trades or Supplementary Preambles to Model Preambles will be granted  CPAP WORK GROUP NO.130) unless otherwise stated  FLOOR COVERINGS  Vinyl Parm thick sheeting, or equal approved.Installed In accordance with Manufacturers specification and recommendation Colour: To Be Confirmed On floors and in door openings  m2 28  Polish, Sealer, Etc Two coats floor dressing as recommended by the manufacturer's to floor Evoverings and in door openings in strict accordance with the manufacturer's Instructions and specifications.	NOTE: The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities  No claim arising from brevity of description of items fully described in the said Model  Preambles for Trades or Supplementary Preambles to Model Preambles will be granted  CPAP WORK GROUP NO.130) unless otherwise stated  FLOOR COVERINGS  Vinyl  Imm thick sheeting, or equal approved.Installed in accordance with  Manufacturers specification and recommendation  Colour: To Be Confirmed  On floors and in door openings  m2 28  Polish, Sealer, Etc  Two coats floor dressing as recommended by the manufacturer's to floor  m2 28  poverings and in door openings in strict accordance with the manufacturer's  instructions and specifications.

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 70
	For the Construction of Tshikota CRUs	B12/2020-21FY			
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 9				
	IRONMONGERY				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	realibles for Trades of Supplementary Frealibles to Model Frealibles will be granted				
	(CPAP WORK GROUP NO.132) unless otherwise stated		+		
	CEAP WORK GROUP NO. 132) unless otherwise stated				
	CATCHES, CABIN HOOKS, ETC	<del>                                     </del>	1		
	CATCHES, CABIN HOORS, ETC				
80	Hat & Coat Hook Rubber Buffer (code: 15469)	No	1		
00	nat & Coat Hook Rubber Duller (Code. 13409)	INO	'		
	LOCKS				
	LOCKS		+		
	Chromium plated two lever mortice lockset				
	Chiomium plated two level mortice lockset		1		
	Satin chromium plated three lever mortice lockset with striking plate		1		
	Satiff Cilioffiditi plated tiffee level filoritice lockset with striking plate		1		
Ω1	66mm Standard double cylinder (code : IGG950933338)	No	3		
01	oonnin Standard double cylinder (code : 100330333330)	INO	1		
82	76mm Profile arch sash lock (code: 730/68)	No	3		
02	7011111 F10111e arch sasiffock (code. 750/00)	INO	, , ,		
83	Disabled Mortice indicator lock (code: 195/05)	Sets	1		
00	Disabled Mortice indicator lock (code: 133/03)	OCIO	<u>'</u>		
	HANDLES		1		
	HANDLES				
8/1	19mm Sanford I/on rose handle (code: EDD104C059)	Pairs	3		
04	1911111 Gainord Wort 103e Handle (Code: EDD 1040039)	i alis	1		
	DOOR CLOSER		1		
	DOOK OFOOFU	-	+		
QΕ	Standard door closer ( code: AZ1503R)	Sets	3		
00	otanuanu audi alosei ( tuue. M£ 130311)	JEIS	1		
96	Standard arm & p/arm (code: AZ4001DA)	Sets	1		
00	lotandard ann d prann (6005. AZ400 10A)	Jeis	<del>                                     </del>		
07	DiCton without huffer (and a 120/60)	No	2		
87	D/Stop rubber buffer (code: 139/69)	No	3		
	Bilinia B. 14B		1		
	Balance Brought Down				
		<u> </u>	1		

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 71
	For the Construction of Tshikota CRUs		B12/2020-21	IFY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	LETTERS, NAMEPLATES, ETC				
88	100 x 100 x 0.9mm thick stainless steel pictogram engraved with male sign	No	1		
89	100 x 100 x 0.9mm thick stainless steel pictogram engraved with male sign	No	1		
90	160 x 160 x 0.9mm thick stainless steel pictogram engraved with a disabled person sign	No	1		
91	150 x 150mm F4/E16/E17 anodised aluminium plate with fire hydrant symbol,	No	1		
	fire hose reel, fire extinguisher or fire exit symbol.				
	SUNDRY IRONMONGERY ITEMS				
92	32mm Stainless steel Paraplegic side grab rail (code DL2)	No	1		
93	32mm Stainless steel Paraplegic rear grab rail cistern (code SR2A) or similar approved	No	1		
	BATHROOM FITTINGS				
	Franke or similar approved				
94	Recessed toilet paper roll holder fwith a single piece	No	1		
	pressed lid, welded container and cylinder lock (code 359909)				
	PVC				
95	Edge trims.	m	28		
	Carried to Summary				
	,				

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 72
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 11				
	METALWORK				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be used, throughout this bills of quantities in conjuction with and in the context of the obligations, the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
96	813 x 2032mm overall Steel security gates formed of 40x60x2mm steel tubing	No	1		
	ingate sorround , 12mm diameter vertical steel rods welded to surrounds				
	DOOR FRAMES, DOORS, WINDOWS, ETC				
	PRESSED STEEL DOOR FRAMES				
	1.6mm pressed steel doorframe double rebated for 230mm wall and 115				
	wall, with 4 paired hinges. Single door units must be supplied with				
	striking plate and rubber buffers to lock jamb. One coat of				
	factory primer paint must be applied to frame before despatch.				
	1,6mm Double rebated frames suitable for half brick walls				
97	Frame for door size 813 x 2125mm high	No	2		
	1,6mm Double rebated frames suitable for one brick walls				
98	Frame for door 813 x 2125 mm high	No	1		
	Carried to Summary				
	Surricu to Summury		1		

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 73
	For the Construction of Tshikota CRUs		B12/2020-21		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 12				
	PLASTERING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.142) unless otherwise stated				
	SCREEDS				
	Screeds on concrete				
99	30mm thick wood floated on floors and landings	m2	43		
	GRANOLITHIC				
	Untinted Granolithic on concrete	_			
100	45mm thick finish on floors and landings	m2	2		
	EXTERNAL PLASTER				
	Cement plaster on brickwork	_	0.5		
101	On walls	m2	65		
	WITERWAL BLACTER		1		
	INTERNAL PLASTER				
	Cement plaster on brickwork On walls	0	120		
102	On walls	m2	130		
102	On name widths not succeding 200mm wide	m?	8		
103	On narrow widths not exceeding 300mm wide	m2	0		
	Cement plaster on concrete				
	On projecting and isolated columns and beams	m2			
	On ceilings	m2			
100	On raking soffits of stairs	m2			
100	On raining sounds or stairs	1114			
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
	Aluminium tile edge strips	m			
	30 x 3mm Flat section brass dividing strips between different floor finishes	m			
100	oo x oniin i iat ooddon brass dividing strips between americin noor innenes				
	Carried to Summary		1		

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 74
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 13				
	TILING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	•				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	11 ,				
	(CPAP WORK GROUP NO.144) unless otherwise stated				
	,				
	WALL TILING				
	600 x 600 x 5mm Thick "Johnson Matisse MWB4 Matt White" glazed				
	ceramic wall tiles fixed with 'Tal Gold Star 6' rapid setting tile adhesive				
	to plaster (elswhere measured) with 2mm wide joints continuous				
	in both directions with joints pointed with 'Tal Fine Epoxy Grout'				
109	On walls	m2	6		
110	On narrow widths not exceding 300mm width	m2	2		
	g comment of the comm				
	FLOOR TILING				
	600 x 600mm x 8mm "Johnson" Ceramic floor tiles on "Tal Goldstar 6"				
	rapid setting tile adhesive bedding on screed and 6mm flush pointed				
	joints with "Tal Fine Epoxy Grout"				
111	On floors	m2	28		
	240x240mm clay floor tiles laid on a smooth, even, dust tree surface				
	with tile adhesive grout				
112	On floors	m2			
112					
113	Cut tiles to skirting 100mm high	m	5		
110	out the to standing 1997 min ringh				
	Carried to Summary				
	Carried to Summary	l	1	l	

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 75
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 14				
	PLUMBING AND DRAINAGE				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	model i roumbles forming part of those bins of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	Treambles for Trades of Supplementary Freambles to Model Freambles will be granted				
	(CPAP WORK GROUP NO.148) unless otherwise stated				
	MOTAL WORK GROOF NO. 140) unicas otherwise stated				
	RAINWATER DISPOSAL				
	Steel rainwater gutters and rainwater pipes				
11/	100 x 100 x 0.6mm powder coated steel rainwater gutters and downpipes	m	18		
114	fixed to roof structure as per manufacturer's specifications	1111	10		
	lixed to roof structure as per manufacturer's specifications				
115	Extra over 100x 100 x 0.6mm powder coated steel rainwater gutter for stopped end	No	2		
110	Exita over 100x 100 x 0.0mm powder coated steer ramwater guitter for stopped end	INO			
116	Extra over 100 x 100 x 0.6mm powder coated steel rainwater gutter for outlet for	No	1		
110	75 x 75mm pipe	INO	'		
	75 x 75mm pipe				
117	400 400 diameter minustra nina		4		
117	100 x 100mm diameter rainwater pipes	m	4		
110	Fitter area 400 or 400 area asimustana sina farahan d	Na	2		
118	Extra over 100 x 100mm rainwater pipe for bend	No	2		
110	Fisher area 400 or 400 area as increased as a few above	Na	2		
119	Extra over 100 x 100mm rainwater pipe for shoe	No	2		
120	Extra over 100 x 100mm rainwater pipe for offsets	No	2		
120	Land over 100 x 100mm ramwater pipe for onsets	INU			
	Balance Brought Down				
	Datalice Blought Down				

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 76
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	Balance Brought Forward				
	SANITARY FITTINGS				
	Vaal or equally approved				
101	Vitreous china "orchid" closed coupled 90 degrees outlet	No	1		
121		No	l l		
	wall hung open rim pan (code 438600) and matching 6 litre				
	pushbutton top dual flush back inlet cistern (code 4386DT)				
	complete with lid, fitment and with bolt-through-the-wall				
	bracket (code 8084Z0)		1		
122	Vaal code 7030 Bantam basin, size 340 x 460mm overall,	No	1		
	fixed to wall with two tapholes including intergrated overflow				
	and chainstay hole bolted to wall with two 10mm bolts and				
	silled with silicone sealant where basin meets wall or simila				
	approved				
123	"Vaal" Junior 104deg outlet washdown pan (code: 751300)	No	1		
	and matching 6 litre cistern (code: 712034) complete with lid				
	and fitments, and junior seat complete				
10/	Ceramic fireclay 595 x455mm "cameo" oval self rimming	No	1		
124	vanity basin with one tap and chainstay hole through the	INO	l l		
	centre semi-punched taphole supplied standard without an				
	overflow				
105	"Vaal Potteries" Orchid paraplegic wall hung WC suite	No	1		
120	vaai Potteries Orchid parapiegic waii hung WC suite	INO	ı		
126	Sanitaryware vitreous china sola 510 basin (code:	No	1		
120	703700) including 32mm standing overflow tube, chrome	110			
	plated (code 8630Z0) fixed to wall suing a concealed wall				
	bracket (code 8131z3), and three 10mm bolts(code 844820)				
	and sealed with silicon sealant or equivalent between basin				
	and finished wall surface area or similar approved				
	and infisited wall surface area of similar approved				
127	Plexicor president 1700 cast acrylic perspex rectangular bath in opal finished with	No	1		
	chromium plated grip handles, overall size 1700 x 750 x 400mm deep				
128	Pre-assembled steel kitchen sink 1500mm x 535mm, finished with epoxy power	No	1		
	Balance Brought Down		1		+
	Balance Brought Down				

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 77
	For the Construction of Tshikota CRUs		B12/2020-21	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	For the Construction of Tshikota CRUs  SCRIPTION  Balance Brought Forward  UNIT QNTY RATE  Balance Brought Forward  STE UNIONS ETC  Obra Watertech" or equal approved  k waste (code 316)  No 1  APS ETC  Iton Plastic Engineering  i vac bottle trap (code DB22AV)  h trap ( code 40PBC)  No 1  AVC  x 40mm flexi rubber waste trap  No 1  PS, VALVES, ETC  NITARY PLUMBING  VC Soil and vent pipes  mm diameter pipe  mm do				
	"Cobra Watertech" or equal approved				
129	Sink waste (code 316)	No	1		
	,				
	TRAPS ETC				
	Dutton Plastic Engineering				
130	Anti vac bottle trap (code DB22A/V)	No	1		
	,				
131	Bath trap ( code 40PBC)	No	1		
	·				
	uPVC				
132	40 x 40mm flexi rubber waste trap	No	1		
	·				
	TAPS, VALVES, ETC				
	SANITARY PLUMBING				
	uPVC soil and vent pipes				
133	40 mm diameter pipe	m	32		
134	50 mm diameter pipe	m	65		
	·				
135	110mm Pipe laid in and including trench excavation not exceeding 1m deep	m	30		
	including backfilling with selected granular fill in bedding and filling around pipes				
	Extra over uPVC soil and vent pipes for fittings				
	40mm junction	No	3		
137	40mm bend	No	2		
138	40 mm Nipple	No	3		
	D.L. D. Li D.				
	Balance Brought Down				

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 78
	For the Construction of Tshikota CRUs		B12/2020-21	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
139	50mm bend	No	2		
140	50mm juction	No	3		
141	50mm reducing junction	No	2		
		Ma			
142	110 mm Reducer with anti-syphon hom	No	6		
143	110mm bend	No	3		
144	110 mm Straight pan connector	No	8		
145	110 mm Reducing junction	No	4		
		Ma			
140	Vent cowl and setting in top of 110 mm diameter pipe	No	5		
	Sundries				
147	Testing waste pipe system	Item	1		
	WATER SUPPLIES				
	Class 2 copper pipes with brass compression couplings				
148	22mm Pipes	m	5		
	Extra over class 2, copper pipes for soldered capillary fittings				
149	22mm, fittings	No	8		
	Balance Brought Down				

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 79
	For the Construction of Tshikota CRUs		B12/2020-21	IFY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Balance Brought Forward				
	FIRE APPLIANCES ETC				
150	"Everyway" hose reel to comply with SABS 543, complete with 30m rubber hose,	No.	16		
	chromium plated stop cock, shut-off nozzle and wall bracket				
151	4.5kg Dry chimical powder fire extinguisher complete with brackets fixed to wall	No.	16		
	ELECTRIC HOT WATER HEATERS				
	4501 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				
	150L electric water heater complying with SABS 151-2002, overall size 1335 x 538mm				
	high, operating at 400kPa with temperature and pressure safety relief valve including				
	20mm female draincock with inlet compression. Geyser to be wall mounted vertically				
	using supplied wall mounting brackets with 620 x 560mm wide polyethylene drip tray				
	with union and back nut connected to 20mm PVC overflow pipe taken out at eaves				
	(Code: GSTP-760) and 15mm pipe work including two 15mm vacuum breakers installed				
	on hot and cold water supply. Installation to include a 15mm 400kPa multi control and				
	expansion relief valve, all in accordance with SANS 10254, connected to single phase				
	electrical power supply with isolator 1m away from connection on geyser.				
	letectical power supply with isolator thi away from conflection on geyser.				
152	150 Litre geyser floor/wall electric water heater	No	6		
	WATER METERS				
	Provide erf connections complete; Includes trench, bedding, backfill, pipe fittings, water				
	meter, sadles marker posts and all material,including work to complete the connection				
	(saddles to main pipe measured elsewhere ):	No	6		
		110	<u> </u>		
	TESTING				
153	Allow for testing of all sanitary plumbing, water supplies and fire services to the	Item	1		
	satisfaction of the principal agent.	1			
	All defective works are to be taken out and replaced at the contractor's expense and				
	the whole re-tested until found satisfactory.				
	,	1			
	Carried to Summary				
	t to thinking	1	1		1

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 80
	For the Construction of Tshikota CRUs		B12/2020-2	1FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 15				
	GLAZING				
	NOTE:				
	The Bidder must read each description, study the "specification of materials, methods to be				
	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model				
	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted				
	(CPAP WORK GROUP NO.150) unless otherwise stated				
	SUPPLEMENTARY PREAMBLES				
	Float glass				
	The term "float glass" is used for monolithic annealed glass				
	Laminated glass				
	Laminated glass to have polyvinyl butyral (PVB) interlayer(s)				
	GLAZING TO STEEL WITH PUTTY				
151	6,4mm safety glass	0	0		
154	Panes exceeding 0,1 and not exceeding 0,5m2	m2	8		
	TOPS, SHELVES, DOORS, MIRRORS, ETC				
	6mm Silvered float glass mirrors with bevelled and polished edges,				
	drilled four (4) times and countersunk screwed to plugs in wall with 38 mm				
	long screws, fitted with domed chromium-plated cups				
155	600 x 900mm high mirrors	No	1		
100		INU	1		
	Carried to Summary				
	Larried to Summary				

S E E F N N T U tt	For the Construction of Tshikota CRUs  DESCRIPTION  SECTION NO. 2  BUILDING WORKS  BILL NO. 16	UNIT	B12/2020-21 QNTY	FY RATE	AMOUNT
S E E F N N T U tt	SECTION NO. 2 BUILDING WORKS BILL NO. 16	UNIT	QNTY	RATE	AMOUNT
E E F N N T U tt	BUILDING WORKS BILL NO. 16				
E E F N N T U tt	BUILDING WORKS BILL NO. 16				
E F N N T U tt N N N N N N N N N N N N N N N N N	BILL NO. 16		+		
T L tl			1		
ti N	PAINTWORK				
t N	NOTE:		1		
ti N	The Bidder must read each description, study the "specification of materials, methods to be				
N	used, throughout this bills of quantities in conjuction with and in the context of the obligations,				
N	the Model Preambles for Trades (2008 Edition) and any supplementary Preambles to the				
	Model Preambles forming part of these Bills of Quantities				
	No claim arising from brevity of description of items fully described in the said Model		+		
J.F	Preambles for Trades or Supplementary Preambles to Model Preambles will be granted		+		
<del> </del>	Freatibles for Trades of Supplementary Freatibles to Model Freatibles will be granted		+		
(	(CPAP WORK GROUP NO.152) unless otherwise stated				
	,				
F	PAINTWORK, ETC TO NEW WORK ON				
	ON PLASTER, ETC.				
	Internal Walls				
	Prepare and apply, one coat primer, one coat universal under coat, and		†		
<del>-  </del> ;	two PVA (arcrylic) paint		1		
	On walls	m2	135		
	On narrow widths	m2	5		
	Ceilings.		1		
- 100			1		
F	External walls				
F	Prepare and apply, one coat primer, one coat				
ι	universal under coat, and two PVA (arcrylic) paint				
	On walls.	m2	65		
160 (	On narrow widths.	m2			
	ON CONCRETE				
	Prepare and apply, one coat primer, one coat universal under coat,				
	and two coats exterior quality PVA emulsion paint	_			
	On soffits of concrete slabs.	m2			
	On raking soffits of stairs	m2			
163 (	On projecting and isolated columns and beams	m2			
-	ON FIBRE-CEMENT		+		
	One coat primer and two coats professional acrylic polyvinyl acetate		+		
	Ceilings and comices, including priming metal cover strips and nailheads	m2	28		
	On fascias and barge boards	m2	25		
103	On lascias and barge boards	IIIZ	23		
-	ON METAL		1		
	Prepare surface and apply one coat Dulux Duraphos (or equal approved),				
	one coat Dulux Duragrip (or equal approved) and two coat Dulux		1		
	Silthane Silk enamel (or equal approved)		1		
	On door frames.	m2	6		
	Gates, grilles, burglar screens, balustrades, etc (both sides measured over full flat area)	m2	8		
	On gutters and downpipes	m	12		
	•				
	ON WOOD ETC.				
	Prepare surface and apply one coat Dulux Duragrip				
	(or equal approved) and two coats Dulux Silthane				
	Silk Enamel (or equal approved)				
169 0	On doors	m2	7		
	Annin one underseet and one east blab also a usint		1		
	Apply one undercoat and one coat high gloss paint.	m?	1		
1/0	Back boards of fire extinguishers.	m2	1		
	ON PLASTER BOARD, HARDBOARD, ETC.		+		
	Sand down and apply two coats of Woodoc 30 Varnish		+		
	On doors.	m2	8		
	70 mm x 19 mm Meranti skirting with 19 mm quarter round	m	- 0		
1121	70 min x 10 min morana sanang man 10 min quanter rouna	111	+		
	Carried to Summary		1		

	SCHEDULE OF QUANTITIES		CONTRACT	No.	PAGE 82
	For the Construction of Tshikota CRUs		B12/2020-21	IFY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	SUMMARY PAGE				
1	SITE CLEARANCE	Page	59		
2	EARTHWORKS	Page	60		
3	CONCRETE, FORMWORK AND REINFORCEMENT	Page	62		
4	MASONRY	Page	64		
5	WATERPROOFING	Page	65		
6	ROOF COVERINGS	Page	66		
7	CARPENTRY AND JOINERY	Page	67		
8	CEILINGS,PARTITIONS ETC	Page	68		
9	FLOOR COVERINGS	Page	69		
10	IRONMONGERY	Page	70		
11	METALWORK	Page	72		
12	PLASTERING	Page	73		
13	TILING	Page	74		
14	PLUMBING AND DRAINAGE	Page	75		
15	GLAZING	Page	80		
16	PAINTWORK	Page	81		
	TOTAL SUMMARY PER UNIT				
	96)		16		

	SCHEDULE OF QUANTITIES		CONTRAC	T No.	PAGE 83
	For the Construction of Tshikota CRUs		B12/2020-2	21FY	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	FENCING				
	Provide the amount as indicated for Clear View fence				
	and 2No. 5m sliding steel gates	m	770		-
	SOCIAL AMENITIES				
	Washing lines				
	Wash lines	No.	82		-
	Laundry basins	No.	82		-
	LANDSCAPING				
	Landscaping with all related street furniture	ITEM	1		400,000.00
	Playing area with swings	ITEM	1		250,000.00
	FIRE APPLIANCES ETC				
	"Chubb"				
	"Everyway" hose reel complete with 30m plastic hose,				
	chromium plated stockcock, shutt-off nozzle and wall				
	bracket including all the necessary fittings from the water				
	supply	No.	118		-
	Chubb' 4,5 kg DCP fire extinguisher on and including No				
	02401 hardwood backboard plugged, screwed and				
	pelleted to wall	No.	118		-
	Carried to summary				

	SCHEDULE OF QUANTITIES		CONTRACT No. B12/2020-21FY			
ITEM	For the Construction of Tshikota CRUs  DESCRIPTION	UNIT	RATE	AMOUNT		
I I LIVI	DECORATION	OIVII	QNTY	IVIL	AWOON	
	ELECTRICAL WORKS (MV SUPPLY, LV RETICULATION & SERVICE CONNECTIONS					
	SCHEDULE 1					
	PRELIMINARY AND GENERAL					
1	SITE ESTABLISHMENT					
	Facilities for Contractor					
1.1	Office and Storage	sum	1			
1.2	Ablution and Latrine Facilities	cum	1			
1.2	Abiduori and Latinie i admites	Suili	1			
1.3	Water and Electricity	sum	1			
1.4	Site Clearing	oum.	1			
1.4	Site Clearing	Sum	1			
1.5	Contractor's Yard Fencing					
4.0	October de de Direct Consisser et 0. To 1. / 1. I.					
1.6	Contractor's Plant, Equipment & Tools (establish, maintain and remove)	sum	1			
1.7	Management & Programme for the works (appointment of a Supervisor)	sum	1			
<b>2</b> 2.1	TIME RELATED ITEMS Security (Monthly)	eum	5			
2.1	Gecurity (Monthly)	Suili	J			
2.2	Insurance	sum	1			
2	CONTRACT RELATED ITEMS					
3.1	Local Labour (monthly)	sum	5			
-						
4	COMMISSIONING  Commissioning & Decision of Test contificates		4			
4.1	Commissioning & Provision of Test certificates	sum	1			
5	Health & Safety (OHS Act, Construction Regulations and Eskom Safety Specifications)					
5.1	Personal protective equipment :	eum	1			
5.2	Compliance with safety plan & safety file	sum	1			
5.3	Health & Safety Training	sum	1			
5.4	Legal appointments in terms of the OHS Act and Regulations	sum	1			
5.5	Other Health and Safety items deemed necessary to comply to OHS Act, Regulations and Eskom /					
	Makhado Municipality Safety specifications.	sum 1				
	Environmental Management					
6	Environmental Management		4			
6.1	Compliance to Environmental Management Plan	sum	1			
7	General					
7.1	Completion and submission of the Expanded Public Works Programme Report	0	4			
7.2	Provide for the repair to damaged water reticulation pipes and other concealed services.	sum				
1.4	1. 1911de 10. 11.0 repair to damaged mater readmatter pipes and other contocated services.	sum	1			
	TOTAL : SCHEDULE 1					
	· · · · · · · · · · · · · · · · · · ·					
	CARRIED TO SUMMARY					
				TOTAL		

	SCHEDULE OF QUANTITIES		CONTRACT No.		PAGE 8	
	For the Construction of Tshikota CRUs	B12/2020-21FY				
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUN	
	COUEDIN F O					
	SCHEDULE 2					
	MATERIAL, EQUIPMENT AND INSTALLATION					
2.1	MINIATURE SUBSTATIONS					
	To comply with Makhado Municipality specifications complete with all labels and locks:					
	a) 315kVA 22kV/420V type B miniature substation					
	i) Supply	no	1			
	ii) Install	no	1			
	b) 315kVA minisub precast plinths to Eskom Spec specifications					
	i) Supply	no	1			
	ii) Install	no	1			
	To comply with Makhado Municipality specifications complete with all labels and locks:					
	a) Ground Mounted Meter Kiosk					
	i) Supply	no	1			
	ii) Install	no	1			
	b) Ground Mounted Meter Kiosk Plinth					
	i) Supply	no	1			
	ii) Install	no	1			
	c) Ring Main Unit - T3, to Eskom spec SAP No: 0180269					
	specifications					
	i) Supply	no	0		0.00	
	ii) Install	no	0		0.00	
	d) CT/VT Unit to Eskom spec SAP No: 0175942			+		
	i) Supply	no	0		0.00	
	ii) Install	no	0		0.00	
	e) CT/VT Unit Plinth to Eskom spec					
	i) Supply	no	0		0.00	
	ii) Install	no	0		0.00	
	Carried Forward					
	Carried Forward	<del> </del>		+		

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 86	
TEM	For the Construction of Tshikota CRUs  DESCRIPTION		B12/2020-21FY UNIT QNTY RATE			
I CIVI	Brought Forward	UNII	QNII	KAIL	AMOUN	
2.2	CABLES AND CONDUCTORS					
	To comply with Eskom / Makhado Municipality specifications					
	for cables and conductors					
	a) Medium voltage cable - 22kV, 95 mm² (XLPE) 3-core					
	Cu as per Makhado Municipality / Eskom Specifications		450			
	i) Supply	m	150			
	ii) Install		150			
	II) IIStali	m	150			
	b) Medium voltage cable - 185 mm² (XLPE) 3-core					
	Cu as per Eskom Specifications					
	i) Supply	m	0			
	7					
	ii) Install	m	0			
	c) 70 sq mm Bare Copper Earth wire	-				
	i) Supply	m	150			
	ii) Install	m	150			
				ļ		
	Low-voltage cables:					
	600/1000V grade cables as specified with integral earth conductors, [Part of cable armouring] bearing SABS mark of approval.					
	a) 16mm² 2-core PVC/PVC/SWA/PVC cable with 2 x 1.5mm² comms cores					
	i) Supply	m	4830			
	ii) Install	m	4830			
	b) 16mm² 4-core PVC/PVC/SWA/PVC cable cable for streetlight (R,BL, Y/G not R.Y,B,BL)					
	i) Supply	m	800			
	W. L. ( II		200			
	ii) Install	m	800			
	c) 50mm² 4-core PVC/PVC/SWA/PVC cable					
	i) Supply	m	Rate Only			
	і) Зирріу	111	Nate Only			
	ii) Install	m	Rate Only			
	ii) iiddaii		i tato o i ii			
	d) 70mm² 4-core PVC/PVC/SWA/PVC cable					
-	i) Supply	m	520			
	ii) Install	m	520			
	A ACCOUNT A A AND DISCOUNT IN CO. L.					
	e) 120mm² 4-core PVC/PVC/SWA/PVC cable		Data Oak	-		
	i) Supply	m	Rate Only	1		
	ii) Install	m	Rate Only			
			. tato only			
	f) 6 sq mm Bare Copper Earth wire					
	i) Supply	m	5630			
	2) 1, , , , ,		5000			
	ii) Install	m	5630			
	s) 25 og mm Para Cannar Earth wire			-		
	g) 35 sq mm Bare Copper Earth wire i) Supply	m	520			
	η συρριγ	m	520			
	ii) Install	m	520			
	,		+	1		

	SCHEDULE OF QUANTITIES		CONTRACT No.		PAGE 8
	For the Construction of Tshikota CRUs	B12/2020-21FY		,	
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Brought Forward				
	h) 185mm² 4-core PVC/PVC/SWA/PVC cable				
	i) Supply	m	0		
	ii) Install	m	0		
	j) 240mm² 4-core PVC/PVC/SWA/PVC cable				
	i) Supply	m	0		
	**1 4 11				
	ii) Install	m	0		
	k) 300mm² 4-core PVC/PVC/SWA/PVC cable				
	i) Supply	m	0		
	in Supply				
	ii) Install	m	0		
	I) 16 mm² 3-core Cu,SWA low-voltage power cable for streetlight (R,BL, Y/G not R.Y,B,BL)				
	i) Supply	m	0		
	20.1 4.11				
	ii) Install	m	0		
	m) 1.5 mm² 2 para Cu law yeltara pahla for photogoll control				
	m) 1.5 mm² 3-core Cu low-voltage cable for photocell control i) Supply		50		
	i) output		30		
	ii) Install	m	50		
	Carried Forward				

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 88	
ITEM	For the Construction of Tshikota CRUs  DESCRIPTION		B12/2020-21FY UNIT QNTY RATE			
I I EIVI	Brought Forward	UNIT	QNIT	KAIE	AMOUNT	
2.3	CABLE TERMINATIONS AND JOINTS					
	All terminations and joints to be complete with lugs, ferrules, glands, shrouts, bolt,					
	spring washers, nuts number tag and all material needed to complete.  a) MV-Terminations for 95 mm² 3-core, Cu, XLPE					
	i) Supply	no	8			
	ii) Install	no	8			
	7	110	-			
	b) MV-Joints for 95 mm² 3-core, Cu, XLPE, PVC					
	i) Supply	no	Rate Only			
	ii) Install	no	Rate Only			
	a) MV Tarminations for 495 mm² 2 ages Cu. VI DE					
	c) MV-Terminations for 185 mm² 3-core, Cu, XLPE i) Supply		-			
	ii) Install	no no	0			
	II) IIIstali	110	- 0			
	d) MV-Joints for 185 mm² 3-core, Cu, XLPE, PVC					
	i) Supply	no	0			
	ii) Install	no	0			
	e) Indoor LV-Terminations for 16mm² x 4C, Cu,PVC/PVC/SWA/PVC Cable		1.			
	i) Supply ii) Install	no	16 16			
	II) IIIstali	no	10			
	f) Indoor LV-Terminations for 35mm² x 4C, Cu,PVC/PVC/SWA/PVC Cable					
	i) Supply	no	0			
	ii) Install	no	0			
	g) Indoor LV-Terminations for 70mm² x 4C, Cu,PVC/PVC/SWA/PVC Cable					
	i) Supply	no	24			
	ii) Install	no	24			
	h) Indoor LV-Terminations for 120mm² x 4C, Cu,PVC/PVC/SWA/PVC Cable		+		+	
	i) Supply	no	0			
	ii) Install	no	0			
	21 1 1 1 1 T 2 1 1 1 1 1 1 1 1 1 1 1 1 1					
	j) Indoor LV-Terminations for 185mm² x 4C, Cu,PVC/PVC/SWA/PVC Cable i) Supply	no	0			
	ii) Install	no	0			
	k) Indoor LV-Terminations for 240mm² x 4C, Cu,PVC/PVC/SWA/PVC Cable					
	SWA, PVC power cable for street lighting i) Supply	no	0			
	ii) Supply	no no	0			
		110				
	I) Indoor LV-Terminations for 300mm² x 4C, Cu,PVC/PVC/SWA/PVC Cable					
	SWA, PVC power cable for street lighting					
	i) Supply ii) Install	no no	0			
		110	U			
	m) Indoor LV-Terminations for 300mm² x 4C, Cu,PVC/PVC/SWA/PVC Cable	•				
	SWA, PVC power cable for street lighting					
	i) Supply ii) Install	no no	0			
	II) IIIstali	no	U			
	n) Indoor LV-Terminations for 16mm² x 2C, Cu,PVC/PVC/SWA/PVC Cable					
	i) Supply	no	276			
	ii) Install	no	276			
	Carried Forward		+	-	+	

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 8
ITEM	For the Construction of Tshikota CRUs  DESCRIPTION		B12/2020-21FY UNIT QNTY RATE		
IIEM	Brought Forward	UNIT	QNTY	KAIE	AMOUNT
	Blodgitt official				
	p) LV ends for 1.5 mm <sup>2</sup> 3-core Cu, PVC, SWA,PVC power cable				
	i) Supply	no	150		
	ii) Install	no	150		
	ATDEET LIQUITING				
2.4	STREET LIGHTING  a) BekaLedlume or equivalent street light luminaire, complete wit 35WLED, 5A SP MCB,				
	wired and including outreach arm steel pole mounted		50		
	i) Supply	no	50		
	ii) Install	no	50		
	i) ii vaai				
	b) Ground Control boxes including Photocells and 10A breakers for control				
	of street lights				
	i) Supply	no	4		
			4		
	ii) Install	no	4		-
	c) 7.2m galvanized steel pole as per Makhado Municipality specification				
	i) Supply	no	50		
	I THE				
	ii) Install	no	50		
2.5	EXCAVATIONS MV				
	Excavations to be 1m x 0.6m x running meter all backfill material to be sift soil				
	and compacted to 90%MOD for trenches and 95%MOD for road crossings, prove of test to be provided.				
	a) Pickable soil				
	i) Excavate and backfill	m³	20		
			-		
	b) Soft rock				
	Excavate and backfill	m³	40		
	c) Hard rock	3	40		
	i) Excavate and backfill	m³	40		
	d) Drilling for sleeves under road surfaces (including excavation drill hole and sleeve)				
	i) Drill 160mm dia. for road crossing	No	4		
	e) Excavation of pole holes as specified - Lighting				
	i) Excavate and backfill	no	2		
	f) Imported Material (soft soil) for backfill				
	i) Supply	m³	100		
	7		130		
	ii) Backfill	m³	100		
	g) Install 160mm sleeve for road crossing excavation excluded		200		
	i) Supply	m	20		
	ii) Install	m	20		
	ij ii vooni		20		
	h) Install danger tape 300mm above all MV and LV feeder cables				
	i) Supply	m	150		
-	ii) Install	m	150		
	0.15		1	1	
	Carried Forward			1	

	SCHEDULE OF QUANTITIES		CONTRACT No.		
	For the Construction of Tshikota CRUs		B12/2020-21FY		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Brought Forward				
2.6	EXCAVATIONS LV CABLE				
2.0	Excavations to be 0.6m x 0.45m x running meter				
	all backfill material to be sift soil and compacted to				
	90%MOD for trenches and 95%MOD for road				
	crossings, prove of test to be provided.				
	a) Pickable soil, by hand and machine				
	i) Excavate, backfill and compact	m³	43		
	1) — Notice of the contract				
	b) Soft rock, machine and pneumatic equipment				
	i) Excavate, backfill and compact	m³	86		
	·				
	c) Hard rock, blasting only				
	i) Excavate, backfill and compact	m³	86		
	d) Imported Material (soft soil) for backfill				
	i) Supply	m³	216		
	ii)Install	m³	216		
2.7	SERVICE CONNECTIONS				
	As per specifications, complete with circuit breakers & meters installed ,				
	a) SPU , 3CR12 Metering kiosk, complete with plinth				
	i) Supply	no	24		
	ii) Install	no	24		
	b) Kiosk Lables engrave (50mm lettering)				
	i) Supply	no	24		
	ii) Install	no	24		
	c) Eskom Master locks for Kiosk boxes				
	i) Supply	no	24		
	ii\ Inctall	no	24		
	ii) Install	no	24		
	Carried Forward				
	Sairieu i Oiwaiu		+	+	

	SCHEDULE OF QUANTITIES		CONTRACT No.		PAGE 9
ITEM	For the Construction of Tshikota CRUs  DESCRIPTION	UNIT	B12/2020-21FY QNTY	RATE	E AMOUNT
I I ⊏IVI	DESCRIPTION	UNIT	QNIT	KAIE	AMOUN
	Brought Forward				
2.8	OTHER EQUIPMENT(SPECIFY)				
	a) Overhead Structures				
	a) Overnead Structures				
	MV Overhead to cable End Structure complete with all accessories				
	i) Supply	no	1		
	ii) Install	no	1		
	LV Ground Mounted 9-Way Distribution Kiosk on concrete plinth				
	As per SLD complete with breakers				
	i) Supply	no	3		
	ii) Install	no	3		
	h) Circuit hypokara for ministure substations				
	b) Circuit breakers for miniature substations complete with tails				
	a) 300 A 3-phase 25 kA				
	i) Supply	no	0		
	ii) Install	no	0	1	
	c) 200 A 3-phase 25 kA		-	+	-
	i) Supply	no	0	+	
	, Supply				
	ii) Install	no	0		
	d) 150 A 3-phase 25 kA		2		
	i) Supply	no	3		
	ii) Install	no	3		
	e) 100 A 3-phase 25 kA				
	i) Supply	no	0		
	ii) Install	no	0	1	
	f) 80 A 3-phase 25 kA				
	i) Supply	no	0	+	
-	ii) Install	no	0		
20	FI FOTDICITY CURRI V & CONNECTION			1	
2.9	ELECTRICITY SUPPLY & CONNECTION  Provision for application, facilitation and installation of		sum	+	
	permanent electricity supply to development from Municipality		Julii	1	
			1	1	
3.0	TEST and COMMISSIONING				
	Test and Commissioning of Entire reticulation		sum		
			-	1	
			-	+	-
	Material and Installation		+	+	+
	Carried forward to Summary of Schedules				
	·				

PAGE 92
Amount (R)

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 93	
	For the Construction of Tshikota CRUs	B12/2020-21FY				
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT	
1						
	Excavate, supply, lay, backfill, test and commission					
	(inclusive of bends, tees, valves, valve boxes, concrete					
	thrust blocks, fire hydrants, hard and rock excavations)					
1.1	75mm uPVC Class 12	m	878.00			
1.2	Provision for Metered House connections	No.	118.00			
2	SUBTOTAL (Excluding VAT)					
	ODDITIONAL (Excluding VAT)					
			-			
3	ADD 15% VAT					
4	TOTAL SUMMARY CARRIED TO MAIN SUMMARY					
	The second of th					

	SCHEDULE OF QUANTITIES	CONTRACT No. B12/2020-21FY			PAGE 94
	For the Construction of Tshikota CRUs				
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
	Roads and Stormwater				
1	Clear road reserve to subgrade level, prepare subgrade, import suitable subbase				
	and base material and compact as per specifications and lay asphalt paving				
	kerbing)				
1.1	Asphalt surfaced 6m wide road	km	0.60		
1.2	Excavate, supply, lay and backfill reinforced precast concrete concrete stormwater pipes	m	1,600.00		
	450mm diameter (inclusive of catchpits)				
	OUR TOTAL				
2	SUB-TOTAL				
	TOTAL SUMMARY CARRIED TO MAIN SUMMARY				

	SCHEDULE OF QUANTITIES	CONTRACT No.			PAGE 95
	For the Construction of Tshikota CRUs		B12/2020-21FY		
ITEM	DESCRIPTION	UNIT	QNTY	RATE	AMOUNT
1	Excavate, supply, lay, backfill, test and commission (inclusive of house connections, clay, hard and rock excavations, importation of suitable bedding and backfilling material)				
1.1	160mm uPVC Class 34	m	1070		
1.2	Supply, install and test precast concrete manholes	No	22		
1.3	Provision for block connection	No	78		
2	SUBTOTAL (Excluding VAT)				
3	ADD 15% VAT				
4	TOTAL SUMMARY CARRIED TO MAIN SUMMARY				

	SUMMARY SCHEDULE OF QUANTITIES	CON	TRACT No.	PAGE 96
	For the Demolition and Construction of Tshikota CRUs	B12/2	2020-21FY	
	SUMMARY OF QUANTITIES			
ITEM	DESCRIPTION	Page No.	No. of units	AMOUNT
1	PRELIMINARY AND GENERAL - FIXED CHARGE AND VALUE RELATED OBLIGATIONS	1		
2	PRELIMINARY AND GENERAL - TIME RELATED OBLIGATIONS	2		
3	PRELIMINARY AND GENERAL - PROVISIONAL SUMS	3		
4	PRELIMINARY AND GENERAL - DAYWORKS	4		
2	DEMOLITION	5		
3	TYPE A (2 BED double storey)	10	96.00	
4	TYPE C (2 BED single storey)	35	6.00	
5	TYPE D (1 BED single storey)	59	16.00	
6	EXTERNAL WORKS	83		
7	ELECTRICAL	84		
8	WATER	93		
9	ROADS AND STORMWATER	94		
10	SEWER	95		
	SUB-TOTAL 1			
11	Add 10% Contingency			
	0.1.7.4.0			
	Sub Total 2			
	Add VAT @ 15%			
	Total Summary			