



JAMHURI YA MUUNGANO WA TANZANIA

WIZARA YA MAJI  
MAMLAKA YA MAJISAFI NA USAFI WA MAZINGIRA MJINI BIHARAMULO  
S.L.P 47, BIHARAMULO  
Simu: +255 (0) 282225081  
Baruapepe: [mbiharamulo@maji.go.tz](mailto:mbiharamulo@maji.go.tz) au [buwsa01@gmail.com](mailto:buwsa01@gmail.com)



**Unapojibu tafadhali taja**

Kumb Na. KGR/BMLO/BUWSA/VOL.II/18/113

18/02/ 2022.

Katibu Mkuu,  
Wizara ya Maji,  
Mji wa serikali  
S.L.P 456  
DODOMA



**YAH: MAOMBI YA FEDHA TSHS 140,000,000 ZA UJENZI WA MRADI WA UVIKO-19**

Tafadhali rejea kichwa cha barua hapo juu.

- 2 Mamlaka ya Majisafi na Usafi wa Mazingira Biharamulo ni miongoni mwa mamlaka zinazotekeleza mradi wa uviko-19 katika bajeti ilitengewa kiasi cha Tshs 450,234,000.  
Kiasi kilichotumwa mpaka sasa ni Tshs 175,784,968.00 ambacho kimetumika kulipa mkandarasi Nekatech Construction LTD 20% ya malipo ya awali na kiasi kilichobaki Tshs 107,180.210 kimetumika kununua mabomba, viungio na uchimbaji wa mtaro.
- 3 Ninaomba kiasi cha Tshs 140,000,000 ikiwa ni kwa ajili ya ulipaji wa mkandarasi Nekatech Construction anaye jenga tenki lenye mita za ujazo 1000m<sup>3</sup>.
- 4 Kazi zilizofanyika zimeambatanishwa pamoja na Mkataba.

Natanguliza shukrani

Siraji A. Basiga  
Mkurugenzi Mtendaji  
Mamlaka ya Maji Safi na Usafi wa Mazingira  
Biharamulo.

MKURUGENZI MTENDAJI  
MAMLAKA YA MAJI NA USAFI WA  
MAZINGIRA-BIHARAMULO (BUWSA)



UNITED REPUBLIC OF TANZANIA  
MINISTRY OF WATER  
BIHARAMULO WATER SUPPLY AND SANITATION  
AUTHORITY

B.O. Box 47, BIHARAMULO

Tel: +255 (0) 282225081

Email: [mbiharamulo@maji.go.tz](mailto:mbiharamulo@maji.go.tz) au [buwsa01@gmail.com](mailto:buwsa01@gmail.com)



CONTRACT NO: AE/108/2021-2022/W/01

FOR

CONSTRUCTION OF 1000M<sup>3</sup> WATER TANK AT

BOMAN IN

BIHARAMULO TOWNSHIP

NOVEMBER 2021

SECTION 1: FORM OF CONTRACT

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## SECTION 1. Form of Contract Agreement

This Agreement, made the Saturday day of 15<sup>th</sup> November, 2021 between BIHARAMULO WATER SUPPLY AND SANITATION AUTHORITY (BUWSA) (hereinafter called "the Employer") and NEKATECH CONSTRUCTION CO. LTD (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute AE/108/2021-2022/W/01(hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such works and the remedying of any defects therein in the sum of Tsh 343,053,790(Three hundred forty three million fifty three thousand seven hundred ninety only ) VAT exclusive (hereinafter called "Contract Price").

Now this Agreement witnesseth as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. the Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

SIGNED AND DERIVERED BY  
CLIENT

Signature



Siraji A. Basiga

P.O BOX 47

BIHARAMULO

PERUBENZI MTENDANI  
KAMLAKE MAJINA USAE MW  
MAZINGIRA BIHARAMULO BWSLLO

IN THE PRESENCE OF:

Signature:



Name

DEDATUS DEGRATIUS

Occupation:

PMU (PROCUREMENT OFFICER)

SIGNED BY THE CONTRACTOR

Signature:



Name : Pius K Musigula

IN PRESENCE OF

Signature:



Name:

LAURENT M. LAURENT

Occupation:

DINA USTAWI WA JAMU BITTARAMULO.

WEKATEL. CO. L. LTD  
P. O. BOX 39718  
DAR ES SALAAM





## CONSTRUCTION OF WATER TANK - 1000M<sup>3</sup>

### BILL OF QUANTITIES (BOQ)

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>PRELIMINARY AND GENERAL</b>				
A	Mobilization and demobilization of Skilled and Unskilled Workers, tools and equipments for works	1	Item	2,000,000	2,000,000 ✓
	<b>Accomodation</b>				
B	For workers; generally	1	Item	1,500,000	1,500,000 ✓
	<b>Safety gears, tools and equipments</b>				
C	Provide all necessary safety gears, tools and equipments; including Concrete mixers, poker vibrators, lifting trucks, rollers, plate compacting machines and other requisites necessary for proper execution of work.	1	Item	9,750,000	9,750,000 ✓
	<b>Scaffold</b>				
D	Erecting of temporary Scaffold and ladders for the works and remove after completion of work	1	Item	2,750,000	2,750,000 ✓
	<b>Storage and security</b>				
	Provide and maintain any temporary storage and shed which is necessary for Storage of materials, tools, equipments, safety gears and for site office and security purposes.	1	Item	4,000,000	4,000,000 ✓
	<b>Testing</b>				
F	Allow for testing of works/installations required to be tested and provide everything necessary fo this purpose	1	Item	2,000,000	2,000,000 ✓
	<b>Water for the works</b>				
	Allow for all necessary clean fresh water for the works; including any temporary plumbing and storage facilities and pay all charges in connection therewith and clear away on completion and make good any work disturbed.	1	Item	2,500,000	2,500,000 ✓
	To collection				24,500,000 ✓







ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Removing rubbish and cleaning</b>				
A	Making good all defects and injuries to the works; clean down external faces, washoff stains to face work; clean off marks, mortar and cement; and leave all parts of the work clean, free from rubbish or waste materials and perfect on completion.	1	Item	400,000	400,000 ✓
B	Allow for hipping and carting away all rubbish as it accumulates and keeping the works in orderly condition and to the satisfaction of the Client.		Item	2,615,000	2,615,000 ✓
	<b>Watching and lighting</b>				
C	Allow for Watching all supplied materials, equipments, tools, safety gear and the like.	1	Item	1,200,000	1,200,000 ✓
D	Allow for provision of power for lighting and other works require electricity during the progress of work	1	Item	2,315,000	2,315,000 ✓
	Allow for provision of any barriers, hording which must comply with the by - laws requirements of the Local Authority and policy regulation and remove after completion of work	1	Item	4,200,000	4,200,000 ✓
	<b>Project Registration and Sign board</b>				
	Allow for registration of project to abide the construction regulations.	1	Item	500,000	500,000 ✓
G	Provide and erect a large sized sign board on the site, showing the title of the contract, the name and address of the employer, consultant, nominated contractor, sub- contractors and such informations as may be required by the employer who shall provide the sign layout and colours of the board. the board shall be repainted when necessary and removed when no longer required.	1	item		400,000 ✓
	<b>To collection</b>				11,630,000 ✓
	<b>Preliminaries and general carried to Grand summary</b>				33,130,000

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ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>MAIN WORKS</b>				
	<b>FOUNDATION</b>				
	<u>Site preparation</u>				
	Clearance				
A	Clear the site to remove bushes, shrubs, trees etc.	86.4	m <sup>2</sup>	600	51,840 ✓
	Removing of vegetable soil				
	Excavate top soil, average 200mm deep and dispose away from site	86.4	m <sup>2</sup>	900	77,760 ✓
	<b>Earthworks</b>				
	<b>Setting out and Excavations</b>				
C	Allow sum for setting out of work	1	Item	40,000	40,000 ✓
D	Excavate pits for foundation of tank; columns and wall bases.	478	m <sup>3</sup>	4,800	2,294,400 ✓
	<b>Plain in-situ concrete grade 15:</b>				
	Blinding to foundation base, columns and bottom slab				
E	100mm thick	30.5	m <sup>3</sup>	400,000	12,200,000 ✓
	<b>Reinforced in-situ concrete; grade 25N/mm<sup>2</sup>, vibrated</b>				
F	Column bases, bottom slab, starter columns and ground beams	122.5	m <sup>3</sup>	510,000	62,475,000 ✓
	<b>To collection</b>				<b>77,139,000</b>

  
 CONSTRUCT... LTD  
 P.O. BOX 39...  
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ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>REINFORCEMENTS</b>				
	Bars to BS 4466; high yield steel cold worked				
	Straight or bent in various locations of column bases, starter columns, bottom slab and ground beam				
J	16mm diameter.	1136	Kgs	2,650	3,010,400
K	10mm diameter.	3267	Kgs	3,400	11,107,800
L	8mm diameter.	336	Kgs	4,000	1,344,000
M	Binding wires 25kg/roll	3	Rolls	110,000	330,000
	<b>Formworks to in - situ concrete</b>				
	Bases for concrete Wall, columns, starters, bottom slab and ground beams				
	Timber or marine board formworks	169.4	m <sup>2</sup>	41,200	6,979,280
	<b>To collection</b>				<b>22,771,480</b>
	Collection				
	Page 2				77,139,000
	Page 3				22,771,480
	<b>Foundation - carried to general summary</b>				<b>99,910,480</b>


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MEKATEL CONSTRUCTION CO. LTD  
P. O. Box 39918  
DAR ES SALAAM

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ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
<b>COLUMNS AND WALLS</b>					
	Rainforced in-situ concrete grade 25N/mm <sup>2</sup> ; vibrated				
	Column size not less than 400 x 400mm and wall thickness not less than 350mm				
A	Columns and concrete walls - stage 1, 2 & 3.	110	m <sup>3</sup>	510,000	56,100,000
<b>REINFORCEMENTS</b>					
	Bars to BS 4466; high yield steel cold worked				
B	16mm diameter.	435.4	Kgs	2,650	1,153,810
C	12mm diameter.	9394	Kgs	3,200	30,060,800
D	8mm diameter.	113.5	Kgs	4,000	454,000
E	Binding wires	6	Rolls	110,000	660,000
<b>FORMWORKS</b>					
	Formworks to In - situ concrete of columns and concrete wall				
F	Fixed to column and external reinforced concrete wall; stage 1, 2 & 3	642	m <sup>2</sup>	41,200	26,450,400
	Columns and walls - carried to summary				114,879,010

  
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 P.O. Box 39018  
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ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
<b>TOP BEAMS AND COVER SLAB</b>					
A	Reinforced in-situ concrete grade 25N/mm <sup>2</sup> ; vibrated for top beams and cover slabs	48.2	m <sup>3</sup>	510,000	24,582,000 ✓
	<b>Bars to BS 4466; high yield steel cold worked</b>				
B	Straight or bent in various locations of top beam and cover slab				
	<b>Reinforcements</b>				
C	16mm diameter.	1477	Kgs	2,650	3,914,050 ✓
D	10mm diameter.	3266.4	Kgs	3,400	11,105,760 ✓
E	8mm diameter.	827.8	Kgs	4,000	3,311,200 ✓
F	Binding wires	3	Rolls	110,000	330,000 ✓
	<b>FORMWORKS</b>				
G	Formworks to in - situ concrete of top beam and cover slab	320.5	m <sup>2</sup>	41,200	13,204,600 ✓
	<b>Top and cover slab - carried to summary</b>				56,447,610 ✓

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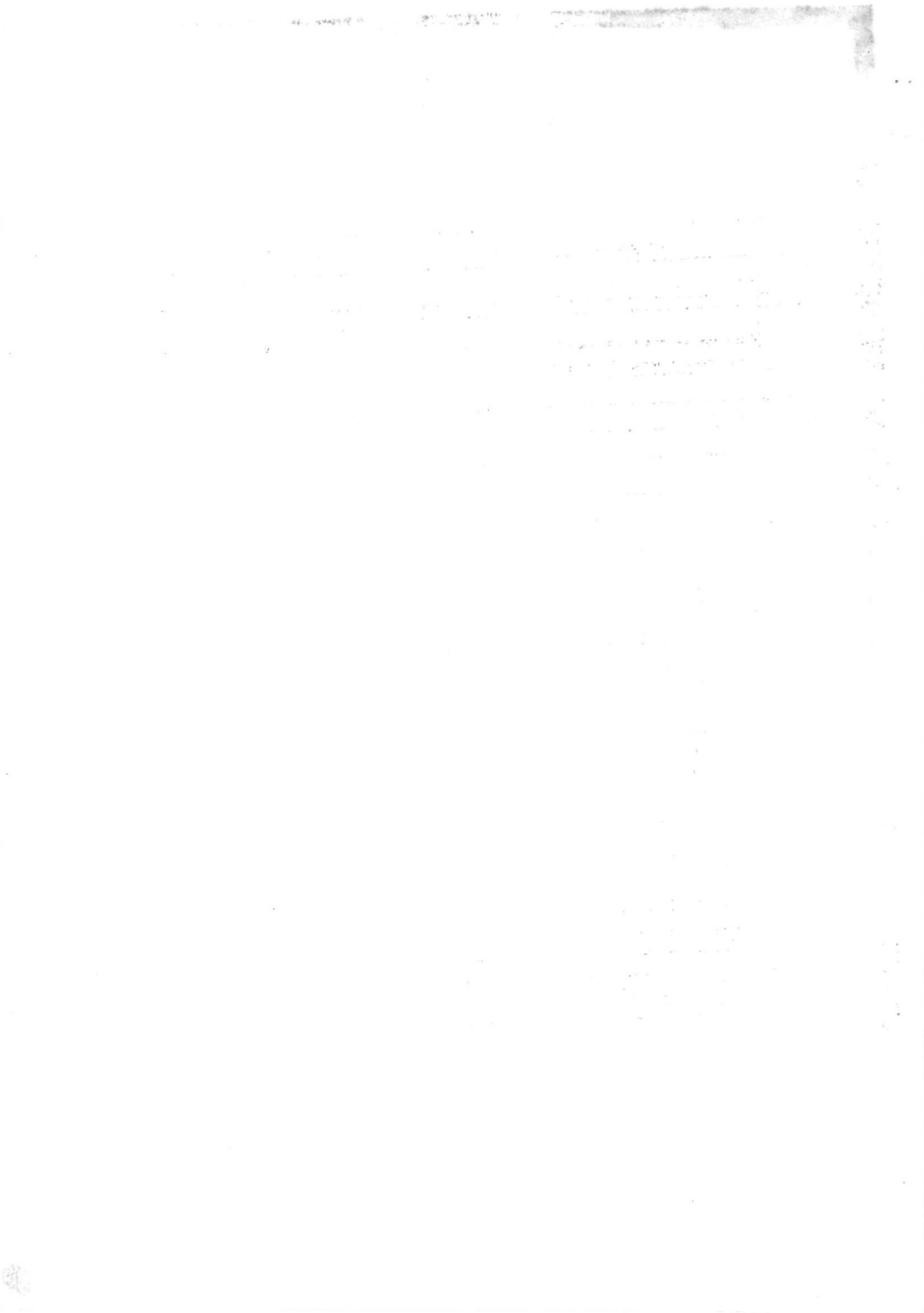
ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>FINISHING</b>				
	In-situ finishes: internal and external plastering in three coats: 40mm thick first and second coat; 20mm thick third coat cement/ sand (1:2), steel trowelled smooth: works to walls, columns, beam and the like. Water proofing cement to be applied internally				
A	Generally	593.6	m <sup>2</sup>	14,700	8,725,920
	In-situ finishes: floor screed in two coats: 40mm thick first coat; and 30mm thick second coat; cement and sand (1:2), steel trowelled smooth: works to bottom and top slab. Water proofing cement to be applied internally				
B	Generally	481	m <sup>2</sup>	24,000	11,544,000
	Ladder and Hole covers				
C	Fabricate and fix galvanised iron steel ladder to external and internal side of the tank	2	Nr	250,000	500,000
D	Supply and fix iron metal covers on top of concrete slab	2	Nr	150,000	300,000
	<b>Finishing - carried to summary</b>				<b>21,069,920</b>

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ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>PAINTING AND DECORATIONS</b>				
	Painting external work: two full coats: Black bituminous paint on foundation plinth.				
A	500mm girth	28	m <sup>2</sup>	15,000	420,000
	Painting external work: Two full coats of weather guard paint on external wall surface				
	Generally	252	m <sup>2</sup>	12,000	3,024,000
C	Painting external work: Two full coats of oil paint on the external surface of top ring beam				
	Generally	22.4	m <sup>2</sup>	11,500	257,600
	Painting and decorations - carried to summary				3,701,600
	Summary - Main works				
	Foundation				99,910,480
	Columns and walls				114,879,010
	Top and cover slab				56,447,610
	Finishing				21,069,920
	Painting and decorations				3,701,600
	Main works - carried to Grand summary				296,008,620

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ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>EXTERNAL WORKS</b>				
	<b>Imported clay soil</b>				
A	Excavate, load, transport, dump, spread, water mix and compact in layers clay soil materials to make an impervious layer around the external circumference of the tank.	21	m <sup>3</sup>	58,000	1,218,000
	<b>Hardcore</b>				
	Crushed stone; laid on top of impervious layer of clay soil	59	m <sup>2</sup>	12,000	708,000
	<b>Concrete pavement</b>				
	<b>100mm thick; plain concrete grade 15N/mm<sup>2</sup>;</b>				
C	Pavement around the tank externally and walkway from the gate to the tank. Provided with expansion joints as per design	8	m <sup>3</sup>	400,000	3,200,000
	<b>Chambers</b>				
D	Construction of chambers; C1 - C3; including concrete class 20, reinforcements, covers and formworks; All as per provided dimensions and instructions.		Nr	250,000	750,000
	<b>To collection</b>				<b>5,876,000</b>

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P. O. Box 100  
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ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>CHAIN LINK FENCE</b>				
	Constructed around the tank for the provision of security of the tank				
	<b>CONCRETE;</b>				
	<b>Plain in-situ concrete grade 15:</b>				
A	In pits and trench for fastening and straining the concrete poles and chain link wires.	6	m <sup>3</sup>	400,000	2,400,000
	<b>Reinforced in-situ concrete; grade 20, vibrated</b>				
	Cast and install concrete poles ; provided with holes for allowing the provision of straining and burbed wires.				
	The poles are to include reinforcements; 4No; 12mm diameter as vertical bars and 6mm diameter for stirrups; spaces at 250mm c/c; and general formworks; the poles must be bent to 45° at top				
B	150 x 150 x 3000mm high	58	Nr	70,000	4,060,000
	Prepare and cast Reinforced concrete columns at the entrance of the fence; The work is to include excavations, casting of columns base, columns, fixing of reinforcements; 4Y12 as vertical bars and Y8 for stirrups; allow for formworks and removal after hardening of concrete.				
C	300 x 300 x 3000mm high; measured from the base	2	Nr	350,000	700,000
	To collection				7,160,000

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ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
<b>WIRES</b>					
A	4mm thick; galvanised strain wires; fixed in three rows; at top angle of poles, centre and bottom.	471	M	620	292,020
B	Burbed wires at top side of bent columns; Fixed into three rows	471	M	650	306,150
C	4mm thick; chain link wires; Properly fixed to the poles and strained by straining wires and concrete strip at the bottom side.	157	M	13,000	2,041,000
<b>GATE/METAL WORK</b>					
	Supply and fix steel gate to the entrance of the fence; the work is to include fabrication of gate by using square hollow section metals, 2" x 2"; braced and well fixed to the concrete columns. Provide all necessary locking mechanisms.				
D	3000 x 2400mm high - double opening	1	Nr	300,000	300,000
	To collection				2,939,170
	Collection				
	Page 7				5,876,000
	Page 8				7,160,000
	Page 9				2,939,170
	External works - Carried to summary				15,975,170

<b>GRAND SUMMARY</b>					
	Preliminaries and general				36,130,000
	Main works				296,008,620
	External works				15,975,170
	<b>TOTAL WITHOUT VAT</b>				<b>348,113,790</b>
	VAT 18%			62,660,482.20	62,660,482.20
	<b>GRAND TOTAL</b>				<b>410,774,272.20</b>

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**EXPECTED WORKS ACHIEVEMENT AS AT 28<sup>TH</sup> FEBRUARY, 2022**

S/NO.	ACTIVITY	ACHIEVEMENT (%)
<b>PART A</b>	<b>PRELIMINARY WORKS</b>	
		80.2
<b>PART B</b>	<b>FOUNDATION</b>	
1	Site preparation	100
2	Earthworks	100
3	Plain insitu concrete grade 15	100
4	Reinforced insitu concrete grade 25	100
5	Reinforcements	100
6	Formworks	100
<b>PART C</b>	<b>COLUMNS &amp; WALLS</b>	
1	Reinforced insitu concrete grade 25	0
2	Reinforcements	50
3	Formworks	10
<b>PART D</b>	<b>TOP BEAMS AND COVER SLAB</b>	
1	Reinforced insitu concrete grade 25	0
2	Reinforcements	0
3	Formworks	0
<b>PART E</b>	<b>FINISHING</b>	<b>0</b>
<b>PART F</b>	<b>PAINTING AND DECORATIONS</b>	0
<b>PART G</b>	<b>EXTERNAL WORKS</b>	0