



RUWASA

Rural Water Supply and Sanitation Agency

CONTRACT NO. AE-102/2021-2022/HQ-C/W/54

FOR

**CONSTRUCTION OF KANIKELELE PUMPING WATER SUPPLY PROJECT IN
NJOMBE DISTRICT AT NJOMBE REGION**

BETWEEN

**RURAL WATER SUPPLY AND SANITATION AGENCY (RUWASA)
(The Employer)**

AND

**M/s NT BUSINESS NETWORK (T) LTD
(Contractor)**

DECEMBER, 2021

FORM OF CONTRACT

This Contract is made the^{05th} day of JANUARY....., 2021.

Between

The Rural Water Supply and Sanitation Agency (RUWASA), having its physical address at NBC Bank, Mazengo Branch, Kuu Road, P.O. Box 412, **DODOMA**, Tanzania (hereinafter called "**The Employer**") of the one part;

And

M/s NT Business Network (T) Ltd, P.O.Box 1020 having its Physical address at **Mji Mwema Street-Opposite Maria Stoppers**, P.O. Box 1020, **Makambako**, Tanzania (hereinafter called "the **Contractor**") of the other Part.

Both the Procuring Entity and the Supplier shall collectively and jointly be known as "**Parties**".

WHEREAS:

- (a) The Procuring Entity is a Government Agency established under the Water Supply and Sanitation Act No. 5 of 2019 which is responsible for development and sustainable management of rural water supply and sanitation projects and the provision of water supply and sanitation services in rural areas;
- (b) The Contractor is a **Class Four** Local Company registered under the Laws of Tanzania which is responsible for Civil Works;
- (c) The Employer invited Tenders for **Construction of Kanikelele Pumping Water Supply Project in Njombe District at Njombe Region** Tender No. **AE-102/2021-2022/HQ-C/W/54** - under the terms and conditions set forth in this Contract; and
- (d) The Contractor having represented to the Procuring Entity that it has the required professional skills, expertise and technical resources, the Employer through the Letter of Notification of Award of Tender with Ref. No. **TB.37/419/14/41** dated **December 12nd, 2021** awarded a Tender to the Supplier at the contract sum of **Tanzanian Shillings Two Hundred Eighty-nine Million Four Hundred Fourteen Thousand Four Hundred Fifty Cents (Tsh. 289,414,450.00) VAT Exclusive** (Hereinafter referred to as "**the Contract Price**"). The work to be completed within One Hundred Eighty (180) days (hereinafter called "**Contract Period**").

NOW THEREFORE the Parties hereby agree as follows:

1. In this contract, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as an integral part to this contract, and shall be taken as complementary and



mutually explanatory of one another but in the event of ambiguities, inconsistency or discrepancies within the Contract, the documents shall take precedence/prevail in the order set out below:

- (a) Form of Contract;
- (b) Special Conditions of Contract;
- (c) General Conditions of Contract;
- (d) Notification of Award of Tender;
- (e) Letter of Acceptance;
- (f) Price Schedule (BOQ);
- (g) Anti – bribery Memorandum;
- (h) Technical Specifications;
- (i) Drawings; and,
- (j) APPENDICES
 - (i.) Forms of Securities;
 - (ii.) Registered Power of Attorney; And
 - (iii.) Minutes of Negotiation Meeting.

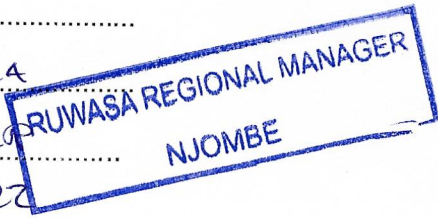
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute the proposed Construction of **Construction of Kanikelele Pumping Water Supply project in Njombe District at Njombe Region** for Kanilele Water Supply Project in Njombe District (**hereinafter called "the Works"**) and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works, the sum of **Tanzanian Shillings Two Hundred Eighty-nine Million Four Hundred Fourteen Thousand Four Hundred Fifty Cents (Tsh. 289,414,450.00) VAT Exclusive**, at the times and in the manner prescribed in this Contract.
5. 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 as follows:
 - a. 15% Advance Payment; and shall be paid to the contractor not later than **30 Days after submission of a claim supported by an acceptable Bank Guarantee of the same amount.**
 - b. The rest of the payments shall be made upon submission and Acceptance of Certificate and it shall be paid to the Contractor within twenty-eight (28) days after the date of the acceptance certificate by The Employer.

- 6. The Contract price shall be paid in **Tanzanian Shillings** as stipulated under Clause 20 of the SCC.
- 7. The contract shall be executed for the period of **one hundred and Eighty (180) days** which shall immediately commence from the date of site handling.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

FOR AND ON BEHALF OF THE PROCURING ENTITY:

Signature: [Signature]
 Name: Eng. SADICK GHAKKA
 Title: REGIONAL MANAGER
 Date: 05th JANUARY 2022
 Seal:



In the presence of:
 Signature: [Signature]
 Name: Eng. Elizabeth - E. Maliza
 Title: DM - NJOMBE (W)
 Date: 05th JANUARY, 2022

FOR AND ON BEHALF OF THE CONTRACTOR:

Signature: [Signature]
 Name: ANDREW - N. MBILIMBI
 Title: Director
 Date: 5th JANUARY 2022
 Seal:



In the presence of:
 Signature: [Signature]
 Name: FRANCO. D. KADUMBA
 Title: site Engineer
 Date: 5th JANUARY, 2022
 Seal:

[Handwritten mark]

SPECIAL CONDITIONS OF CONTRACT (SCC)

SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract shall supplement the General conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract.

SCC Clause	GCC Clause	Description
1	1.1	<p>General</p> <p>The Employer is, RURAL WATER SUPPLY AND SANITATION AGENCY (RUWASA).</p> <p>The Adjudicator National Construction Council of Tanzania</p> <p>The Contractor is: NT Business Network (T) Ltd P.O. Box 1020, Makambako.</p> <p>The Defects Liability Period is 365 days.</p> <p>The Project Manager is: Elikalia Malisa District Engineer.</p> <p>The name and identification number of the Contract is TENDER NO. AE-102/2021-2022/HQ-C/W/54 for Construction of Kanikelele Pumping Water Supply project in Njombe District at Njombe Region for Kanikelele Water Supply Project in Njombe District.</p> <p>The Works consist of:</p> <ol style="list-style-type: none"> 1. Construction of an Intake. 2. Construction of storage water tank of 75 m³ on raiser of 6m. 3. Construction of main pipes 26 km and distribution pipes of length 22.65km. 4. Construction of 32 Domestic water points. 5. Construction of Pump house <p>The Start Date shall be; Seven days after site possession.</p> <p>The Intended Completion Date for the whole of the Works shall be One Hundred Eighty (180) days.</p> <p>The site is located at Kanikelele Village -Njombe District, Njombe Region.</p>
2.	2.2	<p>Indicate whether there is section completion is specified to be advised N/A</p>

3.	2.3(10)	List other documents that form part of the contract: A valid Business License. A valid VAT and TIN certificate. A copy of certificate of Board Registration. CRB Registration.
4.	4.1	The language of the Contract documents is English The law that applies to the Contract is the Laws of Tanzania
5.	8.1	Address for communication Employer's: Rural Water Supply and Sanitation Agency, P. O. Box 412, DODOMA. Contractor's: NT Business Network (T) Ltd P.O. Box 1020, Makambyhako.
6	12.1	Include the Schedule of Other Contractors, if any. N/A
7.	13.1	Include the Schedule and availability of Key Personnel. Site Engineer: Geofrey Msambule Technician: Madawa Mnyuka Soil Engineer/Technician: Land Surveyor: Aman Sanga Foreman: Lameck Kagali
8.	17.1	The minimum insurance covers shall be; a) The maximum deductible for insurance of the works and of plant and materials is Tshs. 1,000,000.00 b) The minimum cover for insurance of the works and of plant and materials in respect to the Engineer faulty design is Tshs. 1,000,000.00 c) The maximum deductible for insurance of equipment is Tshs, 1,000,000.00 d) The minimum cover for loss or damage to equipment is Tshs, 2,000,000.00 e) The minimum cover for the personal injury or death insurance for the Sub-Contractors employees is Tshs. 2,000,000.00 The evidence of the insurance and relevant policies shall be provided within 7days before commencement date.
9.	18.1	Site Investigation Reports available to the Bidder are: N/A
	25.1	Unless otherwise state tax payment status.....

10.	26.4	The other measures include: (a) Minimizing the number of migrant workers employed on the project and household in the site camp (b) Providing access to voluntary counseling and testing (VCT) (c) Providing psychological support and health care including prevention and treatment of opportunistic infections for workers infected and affected, as well as their families (d) Providing condoms (male and female) to workers
11.	28.1	The Site Possession Date shall be: Seven days (7) after signing the contract
12.	32.2	If either Party is dissatisfied with the Adjudicator's decision may, refer the dispute for arbitration within 30 days.
13	31.1	Appointing Authority for the Adjudicator: National Construction Council of Tanzania
14.	32.3	Arbitration will take place at Dar Es Salaam in accordance with rules and regulations published by National Construction Council of Tanzania
15.	35.1	Otherwise, state [<i>insert the responsible person for security of the site</i>]
A. Time Control		
16.	36.1	The Contractor shall Submit a Programmer for the works within Seven (7) days after signing the Contract.
17.	36.2	The period between Programmer updates is 28 days.
18.	36.2	The amount to be withheld by the Project Manager in the case the contractor does not submit an updated work programmer is: TZS 5,500,000/-
B. Quality Control		
19.	44.1	The Defects Liability Period is 365 days.
C. Cost Control		
20	52.7	The minimum amount of interim payment certificate shall be 10% of contract price.

21	54.1	The currency of payment shall be Tanzanian Shillings.
22.	57	The contract " <i>is not</i> " subject to price adjustment in accordance with Clause 50 of the General Conditions of Contract.
23.	58.1	The amount of retention is 10% of value of works of Interim Payment Certificate'. Limit of retention will be 10% of contract price.
24.	59.1	The amount of liquidated damages is <i>0.1 percent of contract price per day.</i> The maximum amount of liquidated damages must be equivalent to the amount of the performance security 10%
25.	60.1	The bonus for early completion is N/A
26.	61.1	The amount of advance payment shall be 15% of the Contract price and shall be paid to the contractor not later than 30 Days after submission of a claim supported by an acceptable Bank Guarantee of the same amount. Monthly Recovery of Advance Payment: 15% of interim payments Certificate
27.	62.1	The Performance Security shall be: Ten percent (10%) of the contract price. And it will be submitted to the Employer immediately after signing the contract in Certified Cheque, Bank Guarantee or Insurance Bond.
28	66.1	Contractor shall handover the site and the works to the Employer within 7 Days after Certificate of Completion.
		D. Discharge of the Contract
29.	68.1	As built drawings shall be supplied by the contractor by. Within twenty-eight (28) days after practical completion date. Operating manual shall be supplied by the contractor by: Within 14 days after practical completion date.
30.	68.2	The amount to be withheld by the Project Manager in case the contractor does not submit as built drawings is: 5,500,000/- The amount to be withheld by the Project Manager in case the



		contractor does not submit operating manual is: 0.1% of the Contract Sum
31.	69.2 (i)	Number of days for which the maximum amount of liquidated damages can be paid is: 100 days.
32.	70.1	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 10% of the balance works.

RR

THE UNITED REPUBLIC OF TANZANIA
THE REGISTRATION OF DOCUMENT ACT
(CAP. 117 R. E 2002)

Special Power of Attorney

TO ALL IT MAY CONCERN

THAT BY THIS POWER OF ATTORNEY given on the 1st December, 2021,
WE the undersigned **NT BUSINESS NETWORK (T) LTD** of P.o Box 1020, Makambako, by
virtue of authority conferred to us by the Board Resolution No. **NT/BoR/21/3** of 1st day of
December 2021, do hereby ordain nominate and appoint **ANDREW N MBILINYI** of P.o Box
1020, Makambako to be our true lawful Attorney and Agent, with full power and authority,
for us and in our names, and for our accounts and benefits, to do any, or all of the following
acts, in the execution of tender No. **AE-102/2021-2022/HQ-C/W/54** that is to say;
To act for the company and do any other thing or things incidental for **AE-102/2021-2022/HQ-
C/W/54** of **CONSTRUCTION OF KANIKELELE PUMPING WATER SUPPLY PROJECT** for the
Rural Water Supply and Sanitation Agency, P.O. Box 634-NJOMBE;

AND provided always that this Power of Attorney shall not revoke or in any manner affect
any future power of attorney given to any other person or persons for such other power or
powers shall remain and be of the same force and affect as if this deed has not been executed.

AND we hereby undertake to ratify everything, which our Attorney or any substitute or
substitutes or agent or agents appointed by him under this power on his behalf herein before
contained shall do or purport to do in virtue of this Power of Attorney.

SEALED with the common seal of the said **NT BUSINESS NETWORK (T) LTD** and delivered
in the presence of us this 1st day of **December 2021**.

IN WITNESS whereof we have signed this deed on this 1st day of **December 2021** at **Dar es
salaam** for and on behalf of **NT BUSINESS NETWORK (T) LTD**

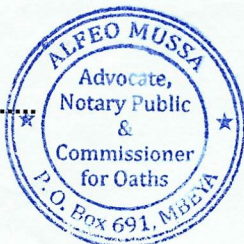
SEALED and DELIVERED by the
Common Seal of **NURDIN T MBILINYI**
This 1st December, 2021

}


.....
DONOR

BEFORE ME:


.....
COMMISSIONER FOR OATHS





Acknowledgement

I **ANDREW N MBILINYI** doth hereby acknowledge and accept to be Attorney of the said **NT BUSINESS NETWORK (T) LTD** under the terms and conditions contained in this **POWER OF ATTORNEY** and I promise to perform and discharge my duties as the lawfully appointed Attorney faithfully and honestly.

SIGNED AND DELIVERED by the said
ANDREW N MBILINYI Identified to me
By **NURDIN T MBILINYI**
The latter known to me personally
This 1st December, 2021,



DONEE



BEFORE ME

COMMISSIONER FOR OATHS



**TANGANYIKA
REGISTRY OF DOCUMENTS
MBEYA**
Presented... 04-01-2021 at... 09:00 AM
Registered on Folio No. 9732-MBYOR
Serial No. 17/2022 of the Optional
Register Fee Shs. 50,000/- Paid
Vide Receipt No. 92134408329901
of... 04-01-2022
.....
Senior Asst. Registrar of Documents

TANGANYIKA STAMP DUTY ACT.
Stamp Duty Shs. 500/- Paid
Receipt No. 92134408329901
of... 04-01-2022
.....
Stamp Duty Officer

TANGANYIKA STAMP DUTY ACT.
Stamp Duty Shs. 1,000/- Paid
On Original Receipt Shs. 92134408329901
of... 04-01-2022
.....
Stamp Duty Officer

Mahler

MINUTES OF NEGOTIATION

Handwritten mark



JAMHURI YA MUUNGANO WA TANZANIA

WIZAYA MAJI

WAKALA WA MAJI NA USAFI WA MAZINGIRA VIJIJINI



RUWASA
Rural Water Supply and Sanitation Agency

Mtaa: SIDA, S. L. P 634, NJOMBE,
Simu: +255 (0) 262782185, Tovuti: www.ruwasa.go.tz,
Barua pepe: njomberm@ruwasa.go.tz

Kumb. Na. NJ: A/85/456/01/4

MENEJA RUWASA (M)
S. L. P. 634,
NJOMBE

H.P.M.
Shuguliki
Mwali

10.12.2021

RM - 17/12/21

**Yah: KUWASILISHA TAARIFA YA MAJADILIANO MRADI WA MAJI
KANIKELELE WILANI NJOMBE**

Tafadhali husika na mada tajwa hapo juu pamoja na barua yako yenye kumb. Na NJ: A/85/456/01/3 ya tarehe 08.12.2021 inayohusu kufanya majadiliano juu ya gharama za mradi ili kukidhi ujenzi wa mradi huo.

Timu ya majadiliano imefanya kazi hiyo na muhtasari umeambatanishwa.

Kwa barua hii naomba kuwasilisha taarifa ya majadiliano kwa hatua zaidi.

Eng. Wilson Novath

Mwenyekiti

Timu ya Makubaliano

Baada ya majadiliano hayo gharama ya Mkandarasi ilipungua kutoka Shilingi Milioni Mia Nne na Ishirini na tano Laki Nane Sabini na Nne Efu Mia nne Hamsini (425,874,450.00) mpaka shilingi Milioni Mia mbili Themanini na Tisa Mia Nne kumi na nne Mia nne Hamsini (289,414,450.00).

MUHT NA. 7/2020-2021 MENGINEYO

Hapakuwa na mengineyo yoyote yaliyowasilishwa.

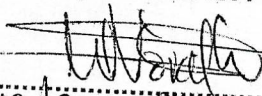
MUHT NA. 7/2020-2021 KUFUNGA KIKAO

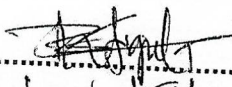
Mwenyekiti alifunga kikao kwa kuwashukuru wajumbe kwa kuchangia vyema kwa Kikao na kufunga saa 7.45 Mchana

IMETHIBITISHWA


Muhtasari umekubaliwa na kusainiwa na pande zote mbili:

A. Kwa niaba ya RUWASA – Mkoa wa Njombe

Sahihi: 
Jina: Wilson B. Norashy
Cheo: Mwenyekiti
Tarehe: 10/12/2021

Sahihi: 
Jina: Bakari Kitegeta
Cheo: Katibu
Tarehe: 10/12/2021

B. Kwa niaba ya N.T. BUSINESS CO. LTD

Sahihi: 
Jina: Andrew Mbilinyi
Cheo: Mkandarasi - N.T. Business Network (T) Ltd.
Tarehe: 10/12/2021





BILL OF QUANTITY FOR KANIKELELE WATER SUPPLY ELECTRIC PUMPING SCHEME

S/N	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Preliminary and general items				
1.1	Performance Guarantee Costs	LS	1		
1.2	Insurance Costs	LS	1	2,000,000	2,000,000.00
1.3	Mobilization/ Demobilization	LS	1	500,000	500,000.00
1.4	Tempoary Offices	LS	1	5,000,000	5,000,000.00
1.5	Reporting	LS	1	500,000	500,000.00
1.6	Sign Board	LS	1	500,000	500,000.00
1.5	Preliminary site clearance including survey to relocate the pipeline route	LS	1	500,000	500,000.00
	SUBTOTAL 1			1,800,000	1,800,000.00
2	Water Supply network				10,800,000.00
2.1	Excavation trench 1m deep, 50cm wide for Raising main, supply pipes, lay them in the trench with aproprate fittings and backfill properly including anchoring every G5 pipe laid in valley, rock crossing and where pipe change direction by reinforced or mass concrete as may be directed by the Engineer				
2.1.1	Excavate trench 1m deep,50cm wide for the main,	m	1,300	4,000	5,200,000.00
2.1.2	OD 90HDPE PN 16	m	150		
2.1.3	OD 90 HDPE PN 12	m	350		-
2.1.4	OD 90HDPE PN 10	m	800		-
2.2	Excavation of and construct Two taps Domestic point with concrete platform, drainage channel connection to soakway pit 700mm internal dia 1000mm deep, pipings and taps as per Tynical Pined System	No	10	2,500,000	25,000,000.00
2.3	Supply materials and construct lockable valve chambers as per drawing including supply and fixing gate valves in each chamber and plumbing works along the distribution lines	No	10	500,000	5,000,000.00
	Supply pipelines markers (Bicon) as per drawing and insert them along the backfilled pipeline at interval of 500m and at every	No	17	100,000	1,700,000.00
2.4	Excavate trench for distribution nertwork 1 m deep, 50cm wide, supply distribution pipes, lay them in trenches fix with appropriate fittings and back fill properly including anchoring every G.S pipe laid in valley and rock crossing and where pipe change direction by reinforced or mass concrete as				
2.4.1	Excavate trench 1m deep,50cm wide for the distribution line,	m	16,550.0	4,000	66,200,000.00
2.4.2	Supply pipeline markers (Beacon) as per Drg.and insert them along the backfilled pipeline at intervals of 500m and at every	No	50.00	100,000	5,000,000.00
2.4.3	OD.25 HDPE PN 12	m	Not		-

D

2.4.4	OD 25 HDPE PN 16	m	Not Applicable			-
2.4.6	OD 32 HDPE PN 10	m	Not			-
2.4.12	OD 50 HDPE PN 10	m	Not Applicable			-
2.4.14	OD 63 HDPE PN 10	m	Not			-
2.4.18	OD 75 HDPE PN 10	m	Not			-
2.4.20	OD 90 HDPE PN 10	m	Not			-
2.4.21	OD 90 HDPE PN 12	m	Not			-
2.4.22	OD 110HDPE PN 12	m	Not			-
2.5	Construction of pressure break tank (PBT) as per drawings	No				-
2.6	Supply and installation of flow meters					-
2.6.1	On OD 90HDPE PN 16 (Rasing main) pipe from the intake to the storage tank	No	1	900,000		900,000.00
2.6.2	ON OD 110 HDPE PN 12 (Distribution main) pipe from the tank to domestic water point	No	1	1,100,000		1,100,000.00
2.6.3	In all Water points (OD 25mm & OD 32mm)	No	10	150,000		1,500,000.00
2.7	Supply and install gate valve on OD 110mm	No	1	800,000		800,000.00
2.8	Supply and install gate valve on OD 90mm	No	1	700,000		700,000.00
2.9	Supply and install gate valve on OD 32mm	No	5	300,000		1,500,000.00
2.10	Supply and install gate valve on OD 25mm	No	8	200,000		1,600,000.00
2.10	Supply and install air valves and washouts including associated lockable chambers and plumbing work					-
2.10.1	25mm air valve on OD 25mm HDPE100 pipe PN12	No	2	150,000		300,000.00
2.10.2	25mm air valve on OD 40mm HDPE100 pipe PN10	No	2	170,000		340,000.00
2.10.3	25mm air valve on OD 90mm HDPE100 pipe PN10	No	1	300,000		300,000.00
2.10.4	25mm air valve on OD 75mm HDPE100 pipe PN10	No	1	300,000		300,000.00
2.10.3	Washout on OD 25mm HDPE 100 pipe PN12	No	1	150,000		150,000.00
2.10.3	Washout on OD 32mm HDPE 100 pipe PN12	No	1	200,000		200,000.00
2.10.4	Washout on OD 32mm HDPE 100 pipe PN10	No	1	200,000		200,000.00
2.10.3	Washout on OD 40mm HDPE 100 pipe PN10	No	2	200,000		400,000.00
2.10.4	Washout on OD 50mm HDPE100 pipe PN10	No	1	200,000		200,000.00
2.10.5	Supply and install (G.S) pipes DIN 100 for piping to be installed within intake pump house to the external main iine	item	2	3,000,000		6,000,000.00
2.11	Provision for Galvanised steel pipes (Medium class) in rocky terrain and valley crossing	LS	1	3,000,000		3,000,000.00
2.12	Provisional sum for fittings	LS	1	12,000,000		12,000,000.00
2.13	Pressure testing of the whole piping	No	1	1,000,000		1,000,000.00
2.14	Disinfection and Flushing of the whole system	No	1	1,000,000		1,000,000.00
2.15	Provisional sum for materials testing	LS	1	1,000,000		1,000,000.00

A

2.16	Supply and installation of gravity chlorination station,including cover shed,two (2 nos)of mechanical stirrers,level compensation device,connecting pipe work,fittings,couplings and steel support structure.	LS	1	3,000,000	3,000,000.00
2.17	Supply one toolbox consisting of three pipe wrenches size 14,18 and 24	LS	1	500,000	500,000.00
SUBTATOL 2					146,090,000.00

3	Construction of 75m³ on raiser of 6m from the ground				
3.1	Site clearance	item	1	200,000	200,000.00
3.2	Excavation of foundation	m ³	28	10,000	280,000.00
3.3	Hardcore laying 200mm thick	m ³	4	70,000	280,000.00
3.4	50mm cement/sand (1:4 mix) Blinding	m ²	26	20,000	520,000.00
3.5	Foundation slab concrete mix 1:2:4	m ³	6	600,000	3,600,000.00
3.6	Bottom Floor slab 1:2:4 concrete mix	m ³	8	600,000	4,800,000.00
3.7	Concrete groved blockwork for raiser wall 230mm thick (block mix 1:3:6 Mortar mix 1:3)	m ²	60	250,000	15,000,000.00
3.8	Concrete groved blockwork for tank wall 230mm thick (block mix 1:3:6 Mortar mix 1:3)	m ²	98	250,000	24,500,000.00
3.9	Concrete for roof slab 1:2:4 mix	m ³	7	600,000	4,200,000.00
3.10	Formwork for suspended slab.	m ²	35	35,000	1,225,000.00
3.11	Outside plastering (Roof and wall) mix 1:3	m ²	100	10,000	1,000,000.00
3.12	Internal rendering 50mm with water proof mixture (cement and sand, 1:3)	m ²	92	25,000	2,300,000.00
3.13	12mm round bars for foundation slab	kg	570	4,000	2,280,000.00
3.14	12mm round bars for bottom floor slab	kg	900	4,000	3,600,000.00
3.15	12mm round bars for roof slab	kg	900	4,000	3,600,000.00
3.16	10mm round bars for wall	kg	875	4,000	3,500,000.00
3.17	Manhole cover	nos	2	50,000	100,000.00
3.18	Ladder	m	13	200,000	2,600,000.00
3.19	Plumbing work	item	1	4,000,000	4,000,000.00
3.20	Bulk meter	nos	1	1,000,000	1,000,000.00
3.21	Supply and install Water level indicator	nos	1	500,000	500,000.00
3.22	Compound works including filling levelling and compaction.	m ²	225	5,000	1,125,000.00
3.23	Fencing with chainlink 5m around the tank, 2m high properly anchored to the ground by concrete strip and concrete poles spaced at 3000mm including gate as per the drawing	m	100	80,000	8,000,000.00
3.24	Supply fabricated steel gate 3m x 2m and fix to the colurans at the entrance of the fence with locking devices .	item	1	1,500,000	1,500,000.00
	SUBTATOL 3				89,710,000.00

4.0	Construct domestic intake as per drawing and supply all appropriate fittings as directed by Engineer					
4.1	Site clearance	ls	1.00			
4.2	Excavation for Foundations depth not exceeding 0.5m.	m3	10.00	500,000		500,000.00
4.3	Place 200mm Approved Hand packed hardcore fill which should be compacted to the Engineer's satisfaction	m3	10.00	10,000		100,000.00
4.4	Place 50mm thick blinding Concrete grade 15 1:3:6		2.89		70,000	700,000.00
4.5	Provide, Place and compact to the satisfaction of the Engineers Representative grade 25 Reinforced Concrete to the base slab, chambers, weir and wing walls.	m3	28.20	550,000		1,589,500.00
4.6	Supply, cut, bend, tie and fix the following high tensile square twisted reinforcement bars to BS 4461 including all necessary tying wires and spacer blocks			600,000		16,920,000.00
4.6.1	10mm diameter bars	kg	252.00			
4.6.2	12 mm diameter bars	kg	786.00	4,000		1,008,000.00
4.6.3	Provide and place necessary formwork for the walls, rates to include all properties, support and nails etc.	m2	128.00		20,000	3,144,000.00
4.6.4	Supply all materials and fittings for the intake	ls	1.00			2,560,000.00
4.6.5	Fencing with chainlink 5m long around the intake, 2m high properly anchored to the ground by concrete strip and poles including gate as per the drawing at an interval of 3m.	m		5,000,000		5,000,000.00
	SUBTOTAL 4			100,000		
						31,521,500.00

Construction of guard House							
5							-
5.1	Earth Work						-
5.1.1	Site clearing to a depth of about 20cm	m ²	30		3,000	90,000.00	
5.1.1	Excavation for footing and foundation with a width of 0.60m to a depth not exceeding 0.80m	m ³	5.00		10,000	50,000.00	
5.1.2	Excavation for floor slab to a depth not exceeding 0.40m meters	m ³	4		10,000	40,000.00	
5.1.3	supply 30cm thick hard core, filling and blinded with basaltic or equivalent material	m ²	11.00		20,000	220,000.00	
5.1.4	Excavate and Construct 2.5m x 2.5mx2m soakaway pit, using unweathered rocks, with ventilation pipe and piping to WC system.	item	1.00		2,000,000	2,000,000.00	
5.1.5	Concrete C-20 for top slab for soakaway pit	m ³	1.30		600,000	780,000.00	
5.1.6	Construction of chambers with cover	pcs	2.00		100,000	200,000.00	
5.1.7	10mm round bars for top slab	kg	53.00		4,000	212,000.00	
Concrete Work							
5.1.8	5cm thick lean concrete C-20 under footing	m ²	4.00		25,000	100,000.00	
5.1.9	Fair finish to sides of ground floor slab.	m ²	4.00		35,000	140,000.00	
5.2	Mild steel rod reinforcement, including cutting, bending & placing in position						-
5.2.1	Diam, 8mm deformed	kg	28.00		4,000	112,000.00	
5.2.2	Diam, 12mm deformed	kg	87		4,000	348,000.00	
Concrete Work in concrete C-20							
5.2.3	In top tie beams					-	
5.2.4	In 15cm thick floor slab	m ³	0.54		600,000	324,000.00	
Form work							
5.2.5	Fair finish in top tie beams	m ²	2.35		600,000	900,000.00	
Block Work							
5.2.6	15cm thick concrete block walls	m ²	42.30		35,000	82,250.00	
5.2.7	Internal wall plastering with 1:3 cement mortar	m ²	42.30		30,000	1,269,000.00	
5.2.8	cement screed for floor slab	m ²	9.30		10,000	423,000.00	
5.2.9	External wall plastering with 1:3 cement mortar	m ²	42.30		10,000	93,000.00	
5.2.10	Two coats plastic emulsion paint internally	m ²	34.00		10,000	423,000.00	
Roof work							
5.2.11	Fabrication & installation of treated soft wood timber truss as shown in the drawing	No	3.00		70,000	210,000.00	
5.2.12	5x5 cm treated soft wood purlin at 90cm spacing	m	32.00		3,000	96,000.00	
5.2.13	Gauge 28 C.I.M Roof cover including Ridge, Flushing and all incidental works as shown in the drawing the area is measured horizontally.	m ²	24.60		20,000	492,000.00	
5.2.14	Soft nailed to support 8 mm chip wood ceiling	m ²	9.30		3,000	27,900.00	

A

5.2.15	5x5 cm wood purlin at 40cm spacing for ceiling	m	64.00			
5.2.16	20cm wide fascia board including painting	m	18.60	3,000		192,000.00
Metal Work for Windows and Doors				8,000		148,800.00
Windows						
5.2.17	Supply and fix metal framed windows with profiles cut and welded along the entire line of contact and half covered with 2mm thick metal sheet including grill work. Size 120x100cm	pc	2.00	250,000		500,000.00
Doors						
5.2.18	Supply and fix metal framed Doors with profiles cut and welded along the entire line of contact and covered with 2mm thick metal sheet. size	pc	1.00	300,000		300,000.00
5.2.19	Supply and fix hard wooden completed door	LS	1.00			
Electrical Installation				800,000		800,000.00
5.3						
5.3.1	Supply and install light fitting with lumps 32amp ABC - 1 phase type or	pcs	1			
5.3.2	Supply and install Philips TMS 012/140 with 1x40w fluorescent	pcs	2.00	100,000		100,000.00
5.3.3	Supply and install Light point fed through PVC insulated conductor of 2x2,5mm ² in conduit of minimum diameter 13mm under surface including junction boxes with cover, switches 2 way	pcs	3.00	20,000	30,000	40,000.00
5.3.4	Supply and install Flush mounted socket outlets of 16 amp/220v with earthing contact fed through conductors of 3x2,5mm ² in conduit of minimum diameter 16mm in/under surface including junction box with covers and installing screw	pcs	5.00	30,000		150,000.00
SUBTOTAL 5						
5	Rain water harvesting system and Sensitization and Promotion of Rain water Harvesting at one village center selected by the village Council as per Engineer's					11,292,950.00
5.1	Supply and construct one Ferro cement tank of 5m ³ with RWH roof gutters of 24m and down pipe of DN100 HDPE 6m with all fittings at	No	Not applicable			
5.2	Supply and fix one plastic tank of 3m ³ including tank foundation with RWH roof gutters of 15m and down pipe of DN100 HDPE 6m with all fittings at the public place	No	Not applicable			
5.3	Construct 1m ³ Ferro cement Water jar with RWH roof gutters of 9m and down pipe of DN100 HDPE 6m with all fittings at the public place.	No	Not applicable			

A

6.4	Train two (2) artisans from the selected one member of communities/village to install the gutter system and construction of tank	LS	Not applicable	-	-
6.5	5 days RWH campaign demonstration of installation, operating and use, to the village meetings of 1 community	LS	Not applicable	-	-
SUBTATOL 6					
7	Electromechanical equipment				-
7.1	Supply and install surface pump including electrical power connection to run the pump.				-
7.1.2	Supply and install a set of Grundfos SP 15-18kw stainless steel surface pump complete with, 3phase motor with specification Q = 1.5m ³ /hr. H = 185m pump efficiency not less	No		50,000,000	-
7.1.3	Supply and install a control pannel complete with MP204 protection device.	No		10,000,000	-
7.1.4	Allow for pump foundation setting and connection to power supply.	item		5,000,000	-
SUB TATOL 7					
TOTAL (SUB TATOL 1+2+3+4+5+6+7)					
GRAND TOTAL					
					289,414,450.00

A