

FORM OF CONTRACT

This Contract is made the^{11th}..... day of *February* 2022.

Between

The Rural Water Supply and Sanitation Agency (RUWASA), having its physical address at NBC Bank, Mazengo Branch, Kuu Road, P.O. Box 412, 40473 **DODOMA**, Tanzania (hereinafter called "**The Employer**") of the one part;

And

M/S Federick Construction Company Limited having its principal place of business at P. O. Box 34091, Dar es Salaam, (hereinafter called "**The Contractor**") of the other part.

Both the Employer and the Contractor shall collectively and jointly be known as "**Parties**".

WHEREAS:

- (a) The Employer 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 Mahege Water Supply Project in Pwani Region, Tender No. **AE – 102/2021-2022/PWN/W/25** under the terms and conditions set forth in this Contract; and
- (d) The Contractor having represented to the Employer through bid documents 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. HA.34/279/01A/292** dated 17th January, 2022 awarded a Tender to the Contractor at the Contract Sum of **Tanzania Shillings Three Hundred Eighty-Three Million Two Hundred Ninety Thousand One Hundred Thirty and Fifty-Nine Cents Only** (Tshs. 383,290,130.59) **VAT Exclusive** (Hereinafter referred to as "**the Contract Price**").
- (e) The work shall 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) Letter of Acceptance;
 - (e) Notification of Award of Tender;
 - (f) Technical Specifications;
 - (g) Drawings;
 - (h) Price Schedule (BOQ);
 - (i) Contractor's Tender;
 - (j) Anti – bribery Memorandum; and,
 - (k) 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 Mahege Water Supply Project in Pwani Region (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 at the Contract sum of **Tanzania Shillings Three Hundred Eighty-Three Million Two Hundred Ninety Thousand One Hundred Thirty and Fifty-Nine Cents Only** (Tshs. 383,290,130.59) **VAT Exclusive** at the times and in the manner prescribed in this Contract.

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 EMPLOYER:

Signature: 


Name: CLEMENT RIVEGALO

Title: DIRECTOR GENERAL

Date: 11/02/2022

Seal:

In the presence of:

Signature: 

Name: GLORIA CHIGWENI

Title: LEGAL SERVICES MANAGER

Date: 11/02/2022

FOR AND ON BEHALF OF THE CONTRACTOR:

Signature: 

Name: FREDERIC ATASIEL MAKU


Title: MANAGING DIRECTOR

Date: 11/02/2022

Seal:

*Technical Construction Company Ltd
Engineering Contractor
P.O. Box 24051
Dar es Salaam*

In the presence of:

Signature: 

Name: OPENDO F. MAKU

Title: DIRECTOR

Date: 11/02/2022

Seal:

*Technical Construction Company Ltd
Engineering Contractor
P.O. Box 24051
Dar es Salaam*

PRICE SCHEDULE (BOQ)

BILL OF QUANTITIES FOR CONSTRUCTION OF MAHEGE WATER SUPPLY PROJECT					
S/N	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (TSH)
1	Preliminary Cost				55,700,000
2	Construction of Pump House, Supply and Installation of Pump				16,300,000
3	Construction of 50m ³ on 9m Storage Tank				38,000,000
4	Pipe Works				90,851,900
5	Construction of CBWSO Office				75,000,000
6	Construction of CBWSO Staff House				75,000,000
	Total				350,851,900
	Contingency (a)	5%			17,542,595
	Grand Total				368,394,495
	Supervision Cost (b)	10%			36,839,450
	Environmental Screening, Impact Assessment and Monitoring (c)				1,600,000
	TOTA COST FOR THE PROJECT				406,833,945
1.0	PRELIMINARIES WORK				
1.1	Mobilization and Demobilization	Ls	1	14,000,000	14,000,000
1.2	Provide and establishment and removal of project sign board	Ls	1	700,000	700,000
1.3	Allow for Establishment of Temporary Office & Engineers Office with toilet and all appropriate accessories (Premises and Furniture)	Ls	1	20,000,000	20,000,000
1.4	TESTING OF WORKS – Quality Control				
1.4.0	Conduct all appropriate tests that ensure quality works as instructed by an Engineer or as per specifications whereby tests (Soil and Construction Materials-Laboratory Tests) to verify conformity to Standards & specifications. Testing of all pipelines shall be subjected to pressure and leakage tests after being laid and installed before commissioning. Pressure and				

Federal Construction Company Ltd.
Building & Civil Engineering Corporation
P.O. Box 36001
02109 Nairobi

	leakage tests should be carried out simultaneously.				
1.4.1	Tensile Strength Tests on Reinforcement as per BS 4449	L/Sum	1	2,000,000	2,000,000
1.4.2	Compressive Strength Test on Concrete as per BS 5328	L/Sum	1	2,000,000	2,000,000
1.4.3	Hydrostatic Pressure Test on Pipes as per ISO 1452-2	L/Sum	1	2,500,000	2,500,000
1.4.4	Sieve Analysis Test on Aggregates and Sand as per BS 812-103.1	L/Sum	1	500,000	500,000
1.4.5	Flakiness Index and Elongation Index Tests on Aggregates as per BS 812-105.1: & BS 812-105.2	L/Sum	1	500,000	500,000
1.4.6	Soil Tests (Shear, Bulk density, Atterberg Limit, Natural moisture content, Linear shrinkage, Consolidation) as per BS 1377	L/Sum	1	500,000	500,000
1.4.7	Conduct concrete block and cement sand block test	l/s	1	500,000	500,000
1.4.8	Conduct Pressure and leakage tests	l/s	1	1,000,000	1,000,000
1.4.9	Provisional sum for road crossings	Ls	1	3,000,000	3,000,000
1.5	Progress report and photographs including preparation of as built drawings as specified by the Engineer	Ls	1	2,000,000	2,000,000
1.6	Demarcation and protection of Water Source Area including facilitation of Water Right Permit	Ls	1	2,000,000	2,000,000
1.7	Provision of tools and equipment's i.e. Die 1/2" - 6", pipe wrenches set (size 18", 24" and 36) and 1 motor cycle to CBWSO	Ls	1	1,000,000	1,000,000
1.8	Provision for surveying equipment's and GPS, establish all necessary bench marks and setting out of the works	Ls	1	2,000,000	2,000,000
1.9.1	Advance Guarantee Costs	Ls	1	1,000,000	1,000,000
1.9.2	Advance Payment Guarantee Costs	Ls	1	500,000	500,000
	Sub - Total (1)				55,700,000
2.0	CONSTRUCTION OF PUMP HOUSE, SUPPLY AND INSTALLATION OF PUMP				
2.1	Site clearance, excavation of foundation and Supply materials and construct a pump house including plasters and painting as per Drawing No... with Electrical installations to support pump	Sum	1	5,000,000	5,000,000

Ferrieh Construction Company
Building & Civil Engineering Contractors
P.O. Box 1118
Lilongwe, Malawi

	operations and as directed by Engineer.				
2.2	Supplying and Installation of Submersible Water pump complete with motor, control panel and other accessories with following specifications: 5.5KW motor capacity; Discharge of 5m ³ /h at 250m head; minimum overall motor/pump efficiency of 56.4%; Drop cable 120m length size compatible with motor capacity; Heavy duty uPVC riser pipes 100mm size compatible with flow; Safety rope 100m; Steel cover plate 6mm thick 150mm diam; steel adapter set; 120m power (armored) cable compatible with motor capacity; Joint Kit and Install all appropriate fittings needed for pump operation including pressure gauge, non-return valves, bulk meters e.tc	Set	0	NA	
2.3	Supply materials and erect/construct in place a chain link wire fence 10m x10m x2m high (square) around tank area supported with reinforced concrete posts at 2.5m c/c as shown in Drawing Or as directed by an Engineer	No	1	3,500,000	3,500,000
2.4	Supply materials and erect/construct in place a double opening fence gate with dimension 2mx2.5m supported of with reinforced pillars as shown in Drawing	Item	1	1,200,000	1,200,000
2.5	In collaboration with TANESCO/Electrical Contractor, erect poles and extend power supply from the nearest transformer to the pump house	Item	1	5,000,000	5,000,000
2.6	Training of two Personnel for Pump Operations & Maintenance	Item	1	1,600,000	1,600,000
	Sub Total (3)				16,300,000
3	CONSTRUCTION OF STORAGE TANK 50 CUBIC METRE ON 9M RISER				

Federal Construction Company Ltd
Building & Civil Engineering Contractors
P.O. Box 3619
Dar es Salaam

i	Site clearance, excavation of foundation of not less than 1.5m and Supply materials and construct a 50m ³ capacity On 9m riser storage tank including all fittings and pipes, plumbing work, lockable access holes as per Drawing No.....and as directed by an Engineer	Item	1	30,000,000	30,000,000
ii	Supply materials and erect/construct in place a chain link wire fence 15m x15m x2m high (square) around tank area supported with reinforced concrete posts at 2.5m c/c as shown in Drawing Or as directed by an Engineer	No	1	4,000,000	4,000,000
iii	Supply materials and erect/construct in place a double opening fence gate with dimension 2mx2.5m supported of with reinforced pillars as shown in Drawing	Item	1	1,200,000	1,200,000
iv	Supply and install water meter with associated fittings to the distribution main at tank outlets of 90mm diameter.	No	1	800,000	800,000
v	Supply and install simple chlorination system with associated fittings as shown in Drawing	Item	1	2,000,000	2,000,000
Sub Total (4)					38,000,000
4	PIPE WORKS				
	TRANSMISSION MAIN & DISTRIBUTION MAIN				
	Excavate trench 1m deep 60cm wide for rising main, supply the following pipes and appropriate fittings where its necessary, lay them as per drawing No..... join by fusion and backfilling of trenches with suitable soil				
	Supply and Installation of Transmission main				
i.	HDPE, PE100, 50mmOD, PN16, 150m Length	M	2503	13,200	33,039,600
	Supply and Installation of Distribution pipes				
ii.	HDPE, PE100, 75mmOD, PN10, 150m Length	M	234	18,200	4,258,800

Frederick Construction Company
Building & Civil Engineering Contractors
P.O. Box 26051
Dar es Salaam

iii	HDPE, PE100, 63mmODPN 10, 150m Length	M	97	13,900	1,348,300
iv	HDPE, PE 100, PN 10, 50mm OD, 150m Length	M	430	10,000	4,300,000
v	HDPE, PE 100, PN 10, 40mm OD, 150m Length	M	547	7,600	4,157,200
vi	HDPE, PE 100, PN 10, 32mm OD, 150m Length	M	1023	6,000	6,138,000
vii	HDPE, PE 100, PN 10, 25mm OD, 150m Length	M	1050	5,200	5,460,000
	Disinfection of Pipe lines: flushing with clear water, filling with water containing 0.15 g/l calcium hypochlorite, left for 24 hours. This includes supply of all necessary equipment, chemical and water	Item	1	1,500,000	1,500,000
vii	Supply and install an appropriate double acting Air valve 1" and flange diameter, fitted as shown in Drawing	No.	8	150,000	1,200,000
viii	Supply materials and construct in place conc. block valve chambers, inside dimension 1m x 1m x1.3m with concrete valve seat and weeping holes at the floor. Also fabricate and erect concrete sign post engraved on each type of valve to be installed as Drawing No.....	No.	12	500,000	6,000,000
xiii	Supply and fix in place, precast pipe markers of size 15cm x 15cm in section and 100cm height, reinforced with 10mm bars as shown in Drawing 50cm to be buried underground and 50cm to protrude above ground. Spacing to be 500m centres.	No	35	70,000	2,450,000
xiv	Supply materials and construct double water points as per drawing including all fittings including water meter, plumbing work, lockable valve chambers, stop valves in chambers, spread 5 - 25mm aggregates/gravel around the DP provide a seepage pit 1mx 1m x 1m filled with stones.	No	7	3,000,000	21,000,000
	TOTAL FOR PIPE WORKS				90,851,900
2.0	CONSTRUCTION OF CBWSO OFFICE				

Federal Construction Company Ltd
Building & Civil Engineering Consultants
P. O. Box 3438
Dares Salaam

2.1	Site clearance , excavation of foundation and Supply materials and construct Office for CBWSO including plasters and painting as per Drawing No...with Electrical installations and Office furniture's as shown in Drawing Or as directed by an Engineer	Sum	1	70,000,000	70,000,000
ii	Supply materials and erect/construct in place a chain link wire fence 20m x20m x2m high (square) around tank area supported with reinforced concrete posts at 2.5m c/c as shown in Drawing Or as directed by an Engineer	No	1	5,000,000	5,000,000
TOTAL FOR CBWSO OFFICE					75,000,000
2.0	CONSTRUCTION OF CBWSO STAFF HOUSE				
2.1	Site clearance , excavation of foundation and Supply materials and construct CBWSO Staff House including plasters and painting as per Drawing No... with Electrical installations as shown in Drawing Or as directed by an Engineer	Sum	1	70,000,000	70,000,000
ii	Supply materials and erect/construct in place a chain link wire fence 20m x20m x2m high (square) around tank area supported with reinforced concrete posts at 2.5m c/c as shown in Drawing Or as directed by an Engineer	No	1	5,000,000	5,000,000
					75,000,000
3.0	GENERAL REQUIREMENTS				
3.0	ENVIRONMENTAL ISSUES				
3.1	Adhere with Environmental Management Act, Number 20 of 2004 and its Regulations and Occupation Safety and Health Act, 2003 with its Standards				
3.1	Health and safety issues shall be undertaken accordingly	L/Sum	1.00	1,000,000	1,000,000
3.2	Prevention of increased spread of HIV/AIDS and STDs during construction phase	L/Sum	1.00	200,000	200,000

Fidencih Construction Chemicals Ltd
13 Jilang & Civil Engineering Page 2/20
P. O. 220 3099
021 63 3444

3.3	Waste Management (solid and oil) during mobilization and construction phase(if any)	L/Sum	1.00	100,000	100,000
3.4	Soil Erosion Prevention during construction phase	L/Sum	1.00	300,000	300,000
	TOTAL FOR ENVIRONMENTAL ISSUES				1,600,000
	TOTAL FOR CBWSO OFFICE				
	TOTAL FOR CONSTRUCTION OF MAHEGE WATER SUPPLY PROJECT				
	CONTINGENCY (5%)				
	GRAND TOTAL				

Federal Construction Company S.P.A.
(Building & Civil Engineering Contractor)
P.O. Box 34391
Dor: 63 Salsam

