

AFRIBRIGHT LIMITED



P.O. BOX 79825-00200 NAIROBI

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MONTHLY PROGRESS REPORT 6

(9th March 2022 – 15TH September 2022)

For

The Proposed Construction of Gitugu 1 Mini-Hydropower Station

CONTRACT DETAILS:

Contract sum:	kshs 66,939,284.99/-
Start date:	9 th March 2022
Completion date:	12 th September 2022
Time lapse:	180 days
% progress:	85%

CLIENT:

GITUGU POWER STATION LTD
PO BOXSS 306-00502
NAIROBI



Shining a light on your Buildings & Water issues

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1.0 Introduction

1.1 Project Background

The construction Gitugu 1 mini-hydropower station works is intended to produce 533kw of electricity by the end of the project.

The intended designed structures include construction of access roads and drainage, civil works and installation of the penstock.

The construction of Gitugu 1 mini-hydropower station has been awarded to Afribright Limited to effectively carry out the intended design and construction.

1.2 Scope of Works

- a) Construction of access roads and drainage
- b) Construction the intake structure, diversion weir, approach canal, de-silting tank/fore bay, hydrobox slabs, and
- c) Penstock installation

2.0 Progress as Per the Billed Activities

2.1 Bill Item No. 1: Preliminary & General Services

2.11 Contractual Requirements

- Performance Security has been provided
- Insurance of Works, Contractors All Risks Policy has been provided
- Preliminary Design is 100% complete
- Working drawings/construction drawings 100%
- Hydraulic designs have been completed and approved
- Detailed design have been approved

2.12 Contractor's site house

- Site house 100% complete.
 - ✓ 1 site office complete, fully equipped. 3 stores acquired
 - ✓ 2 staff houses complete
 - ✓ 3 stores acquired
 - ✓ 1 Pit latrine complete
 - ✓ 1 Bathroom complete

2.13 Access road

- ✓ The activities have been completed, maintenance is in progress
- ✓ Drainage has been provided and is being maintained
- ✓ Slope protection has been enhanced

2.2 Bill Item No. 2: Intake and diversion weir

- The river diversion works is 100% complete
- Weir excavation is complete
- Intake excavation is complete

- Concrete works for the weir is 100% complete
- Concrete works for the intake structure is 100% complete

2.3 Bill Item No. 3: Approach canal

- Excavation of the approach canal is 100% complete
- Concrete works for the canal is 100% complete

2.4 Bill Item No. 4: De-silting tank

- Excavation works for the basin are 100% complete
- Concrete works for the basin is 95% complete

2.5 Bill Item No. 5: Forebay

- Excavation works at 90%, activities are ongoing
- Concrete works 10%; activities have not started

2.6 Bill Item No. 6: Hydrobox support slabs

- Excavation of the support slabs is complete
- Concrete works; activities have been completed
- The tail race is 100% complete

2.7 Bill Item No. 7: Penstock

- Excavation of the penstock is 100% complete
- The penstock pipes have been delivered to site
- Installation of the penstock pipes 90% complete

2.9 Bill Item No. 8 Transformer plinth

- Excavation of the plinth is 100% complete
- Concrete works for the transformer plinth is 100% complete

3.0 Site Organisation

3.1 Equipment on Site

NO	DESCRIPTION	CAPACITY	QTTY	REMARKS
1	Tipper Trucks	25 Ton	2	Good Working condition
2	Concrete Mixers	400 liters	2	Good Working condition
3	Concrete pump	40m ³ /hr	1	
4	Water pumps	70m lift	3	Good Working condition
5	Poker Vibrator		4	Good Working condition
6	Dumpy level machine & staff		1	Good Working condition
7	Radio calls		3	Good Working condition
8	Weighing machine	35kgs	1	Good Working condition
9	Motorbike	150cc	1	Good Working condition
10	CCTV cameras		2	Good Working condition
11	Welding machines		3	Good Working condition
12.	Single drum roller	1.2 ton	1	Good Working condition
13.	Tractor and trailer		1	Good Working condition
14.	Flat bed	6m	1	Good Working condition
15.	Excavator	42 ton	1	Good Working condition
16.	Excavator	25 ton	1	Good Working condition
17.	Pick-up truck	1 ton	1	Good Working condition

Note: Additional equipment are being mobilized to site

3.2 Contractor Personnel on Site

S/No	DESIGNATION	No.
1	Contractor Representative/Site Agent	1
2	Site Engineer	1
3	Lead Surveyor	1
4	Foreman	2
5	Skilled Artisans – Carpenters	11
	Masons	5
	Steel fixers	6
	Welders	5
	Mechanics	2
6	Drivers	3

7	Security Officers/Watchmen	3
8	General Workers/Laborers	109

3.3 Materials on Site

ITEM	UNIT	QTTY
Ballast	Ton	30
Quarry dust	Ton	15
Cement	bags	150
D 16 bars	pcs	1
D 12 bars	pcs	24
D 10 bars	pcs	155
D 8 bars	pcs	143
Marine boards	pcs	140
Nails (assorted)	kgs	75
Binding wires	kgs	50

3.4 Tools on site

NO	ITEM	UNIT	QTTY
1	Steel water tank (7M ³)	Pcs	1
2	Wheelbarrows	Pcs	10
3	Spades	Pcs	26
4	Hammers	Pcs	6
5	Ordinary Jembe	Pcs	8
6	Fork Jembe	Pcs	7
7	Sledge hammer 10kg	Pcs	6
8	Sledge hammer 3kg	Pcs	2
9	Claw hammer	Pcs	2
10	Mason hammer	Pcs	2
11	Mattocks/sururu	Pcs	4
12	Panga	Pcs	5
13	Steel drums	Pcs	15
14	Plastic drums	Pcs	4
15	Water Delivery pipes HDPE 63"	Meters	200
16	Concrete delivery pipes	Meters	120
17	Concrete cube molds	Pcs	6
18	Steel Tray	Pcs	1
19	Circular saw	Pcs	2
20	Hand saws	Pcs	2

22	Post hole digger/claw bars	Pcs	4
24	Steel tape 50m	Pcs	1
25	Slump cone	Pcs	1
26	Metal grinder	pcs	2
27	Rotary hammer drill	pcs	1

3.5 Office equipment and stationery

NO	ITEM	UNIT	QTTY
1	Office table	pcs	1
2	Office chairs	Pcs	6
3	Laptop computer	Pcs	1
4	Desktop computer	Pcs	1
5	Printer (colored)	Pcs	1
6	Printing papers	Rims	5
7	Lever files	Pcs	5
8	Spring Files	Pcs	10
9	File tray	Pcs	2
10	Paper punch	Pcs	1
11	Staplers	Pcs	2
12	Staple pins	Pct	4
13	Office stamp	Pcs	1
14	Muster roll	Pcs	2
15	Felt pens	Pcs	10
16	Manila papers	Pcs	10
17	Ledger book	Pcs	2
18	Petty cash book	Pcs	2
19	Visitor's book	Pcs	1
20	Site instruction book	Pcs	1
21	Occurrence book	pcs	1
22	Incident/accident log	Pcs	1
23	Grievance log	Pcs	1
24	Box files	Pcs	5

3.6 Grievance log

AFRIBRIGHT LIMITED
 P.O. BOX 79825-00200 NAIROBI
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GRIEVANCE/COMPLAINT LOG

No.	Source of Complaint (Grievant)	Date Received	Nature of Grievance	Corrective Action Taken	Date of Action	Grievant Remarks
1	Simon Wachira	29/03/2022	Water pipe broken by our company Truck (Tipper)	Hired a plumber to fix it		Satisfied
2	Hellen Muthoni	11/04/2022	Narrow road, excavator grazed her gate.	Repaired damage caused	11/04/2022	Satisfied
3	Charity Wabome	21/04/2022	Our employee took her firewood without inquiry (used as pegs during survey)	Paid and apologized.	21/04/2022	Satisfied
4	Simon Wachira	10/04/2022	Water pipe damaged by Company truck.	Plumber hired to fix it	10/04/2022	Satisfied
5	John Ngunjiri	17/06/2022	Roof was hit by stone while blasting was on going	Replaced the damaged iron sheet with a new one	17/06/2022	Satisfied

SITE AGENT: Mano Kempes M SIGN: [Signature]

4.0 General Weather Conditions

- The month has generally been wet, as shown in the table below;

5.0 Contractor's Recommendations

5.1 Payment Certificates

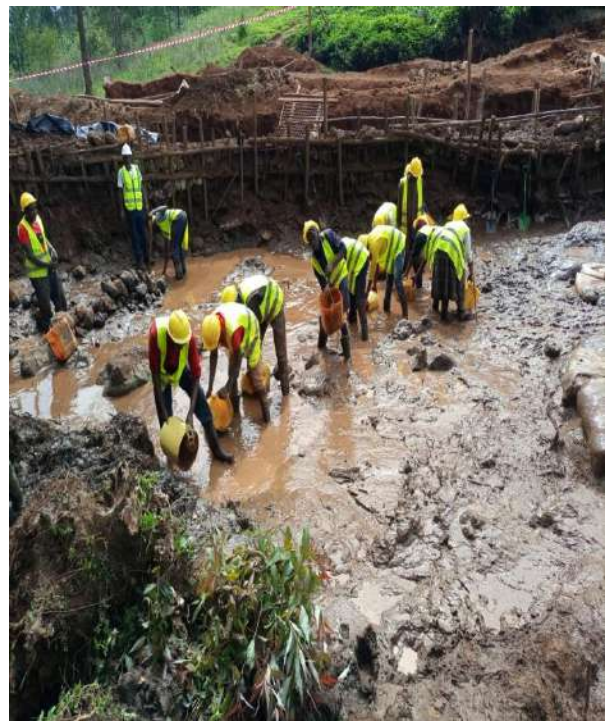
- The Contractor received an advance payment of KShs 6.2 million, representing about 10% of the total contract sum
- The Contractor raised and was paid the first interim payment certificate as follows;
IPC 1
Date of Issue: 25th April 2022
Invoice Issue Date: 25th April 2022
IPC Amount: KShs 11,488,610/-
Revised IPC Date: 6th may 2022
Revised Invoice Date: 6th may 2022
Revised Invoice Amount: Kshs 9,777,370/-
- The contractor has raised the second interim payment certificate as follows;
IPC 2
Date of Issue: 13th July 2022
Invoice Issue Date: 13th July 2022
IPC Amount: KShs 10, 410,271.18/-

6.0 Progress Photos





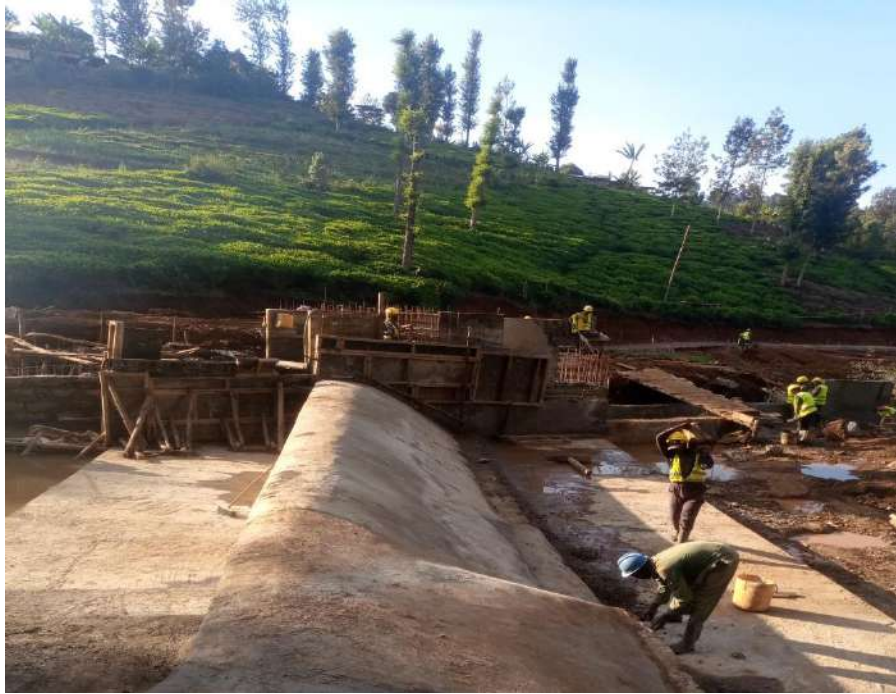












The diversion weir



Settling basin excavation & backfilling



Settling basin excavation



Settling basin steel works



The intake base slab casting



The floodwall construction in progress



The transformer plinth



The hydrobox support slabs



The tail race construction





