



**REF. 282759/2024-CRA**

**AMENDMENT NO. 1  
TO CONTRACT REF. 282226/2024- CRA**

BETWEEN

**CONTRACT OWNER:**

Represented by:

Registered office:

Contact person:

Phone.:

E-mail:

Company ID no.:

Bank connection:

Account number:

(hereafter "Client")

**CZECH REPUBLIC – CZECH DEVELOPMENT  
AGENCY**

Mgr. Zbyněk Wojkowski – Head of the Project  
Realization Department

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Josef Darebný

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Czech National Bank, Na Příkopě 28, Prague 1,  
Czech Republic

0000 – 72929011/0710

and

Supplier:

Represented by:

Registered office:

Tax ID no.:

Bank connection:

Account number:

SWIFT code:

Contact person:

Phone:

E-mail:

(hereafter the „Supplier“)

**HY Engineering PLC**

Mr. Henok Tsegaye – General Manager

Hawassa city, Tabore sub city, Hitata kebele, P.O.  
Box 538, Ethiopia

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Mr. Henok Tsegaye Tadesse

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## 1. INTRODUCTORY PROVISIONS

The Supplier and the Client have entered into the mandate contract on the 21<sup>st</sup> of September 2024, contract no. **282226/2024- CRA**, (hereafter “Contract”). In the Contract, the Supplier has undertaken to perform the mandate of providing overall verification of the functionality of technical solution for Awaye Keraro site which was part of an identification of public contract “Introduction of a sustainable potable water supply system in the Bura, Dale and Bona Zuriya woredas”

## 2. SUBJECT MATTER OF THE AMENDMENT

1. The amendment is being issued due to the need to correct period for yields measurement.
2. Contracting parties agreed on change of article 2.3 of Contract, which is now formulated as follows:

2.3. *„The Supplier should specifically fulfill following tasks (1-12) at Awaye Keraro site:*

*1) To collect initial yields measurement at Godo 1, Godo 2 and Dassa Dashole between September 1st and November 30th of 2024 with a minimum time interval 45 days. To verify information from local community about yield fluctuation during the year.*

*2) To collect water sample from each spring at each measurement and conduct physio chemical laboratory tests (pH, conductivity, TDS, turbidity, total chlorine, total, calcium and magnesium hardness, total, bicarbonate, carbonate and hydroxide alkalinity, dissolved NH<sub>3</sub>, NH<sub>4</sub><sup>+</sup>, Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>+</sup>, Mg<sup>+</sup>, Fe, Cu<sup>2+</sup>, Mn<sup>2+</sup>, Cr<sup>6+</sup>, Cl<sup>-</sup>, F<sup>-</sup>, Br<sub>2</sub>, NO<sub>2</sub><sup>-</sup>, NO<sub>3</sub><sup>-</sup>, SO<sub>4</sub><sup>2-</sup>, PO<sub>4</sub><sup>3-</sup>, HCO<sub>3</sub><sup>-</sup> and CO<sub>3</sub><sup>2-</sup>) and measure groundwater temperature on site; total 6 samples*

*3) To propose a specific way of capturing springs Godo 1, Godo 2 and Dassa Dashole*

*4) To check all the remaining existing springs in the vicinity (13) and verify information from local community about yield fluctuation during the year.*

*5) For springs that can be used quantitatively, take water samples for laboratory tests (pH, conductivity, TDS, turbidity, total chlorine, total, calcium and magnesium hardness, total, bicarbonate, carbonate and hydroxide alkalinity, dissolved NH<sub>3</sub>, NH<sub>4</sub><sup>+</sup>, Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>+</sup>, Mg<sup>+</sup>, Fe, Cu<sup>2+</sup>, Mn<sup>2+</sup>, Cr<sup>6+</sup>, Cl<sup>-</sup>, F<sup>-</sup>, Br<sub>2</sub>, NO<sub>2</sub><sup>-</sup>, NO<sub>3</sub><sup>-</sup>, SO<sub>4</sub><sup>2-</sup>, PO<sub>4</sub><sup>3-</sup>, HCO<sub>3</sub><sup>-</sup> and CO<sub>3</sub><sup>2-</sup>) and measure groundwater temperature on site (3 samples/analyses in total)*

*6) To propose a specific way of capturing quantitatively usable springs, determine whether they can potentially be connected to the system or whether it is appropriate/meaningful to capture them for local use only*



*7) To update and complete the positions of Water Points and update the positions of the reservoirs*

*8) To carry out geodetic surveying of all individual elements of the system - target the positions of all springs (16), reservoirs and water points*

*9) To establish current/calculate future requirements for the amount of water in Cham and Bela (people, livestock, ...)*

*10) To estimate excess balance (what will flow into the 100 m<sup>3</sup> reservoir in Badalo) of captured springs (Godo 1, Godo 2 and Dassa Dashole) and others, usable for connection to the system in relation to the need in Cham and Bela*

*11) To verify the state (technical, functionality) of the distribution network in Badalo near the 100m<sup>3</sup> reservoir, the current and expected state of water supply (need, sufficiency) in Badalo*

*12) To verify existence/functioning of WASHCO in Cham, Bele and Badalo."*

### **3. FINAL PROVISIONS**

1. Other parts of the Contract remain unchanged.
2. This Amendment shall come into force and take effect on the day of its publishing in the contracts register.
3. This Amendment is signed in three counterparts in English language. The Client receives two counterparts, the Supplier receives one counterpart.

For and on behalf of the Client

Signed in Prague on .....

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Mgr. Zbyněk Wojkowski

Head of the Project Realization Department  
Of Czech Development Agency

For and on behalf of the Supplier

28.11.2024

Signed in Hawassa on .....

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Mr. Henok Tsegaye

General Manager of the HY  
Engineering PLC