Construction progress report of phase 2, Adigobiye Carnevali School; Koraro - kebele, Hawzen - woreda, Tigray,

Field report number 01.

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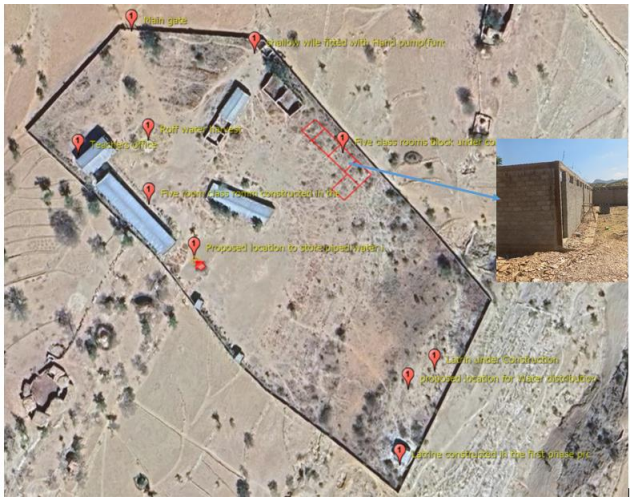
Nov.29th 2025



A field supervision team composed of four members (two freelance consultants and two project staff from ADCS Adigrat) travelled to the construction site (Adigobye) on 29th November 2025 to evaluate progress. The construction progress is reported as follows:

1. SCHOOL BLOCK

✓ ***Sub structures***

- Excavation and earthwork completed.
  - No evidence of bulk excavation to an average depth of 50 cm to remove all black cotton soil is observed around (either cart away or imported selected material to refill). During our visit, hardcore pitching was executed for the floor concrete. It is better if the ADCS side can confirm or jointly check before the contractor puts mass concrete. The contractor must continue performing other tasks until it is confirmed.
- Hardcore pitching is started for a mass concrete floor slab
  - 5cm thick lean concrete in class C-5, with a minimum cement content of 150kg/m3, is ready to fill.

Figure 1: Hard core, Adigobye school, view from interior to front gate

- The hardcore stones are set slanted instead of vertical. We recommend placing them vertically for maximum strength and to minimise cracks.

✓ ***Super Structure***

- Concrete Work for the ground and top tie beam, elevation column complete. The worship man's quality is excellent and attractive.

Figure 2: Back side classroom viewed from interior, top tie beam, column & hollow block masonry

- The backside classroom windows are designed with a 1.2m flexible window frame (also for aeration) and a 0.4 m-long fixed window frame (only for brightening the room). Our recommendation here (if all stakeholders agree) is the following two concerns.

1. To add one line, hollow block masonry from the bottom (so as to reduce the 1.2m height to only 1m to improve students' concentration by protecting them from looking outside).
2. To make the flexible window with a metal sheet instead of a mirror to add strength and durability, just like the phase 1 windows.

Figure 3: Adigobye phase 2, classrooms front view

- 20*20*40cm thick, hollow concrete block masonry work is almost completed. The hollow blocks are of relatively outstanding quality and strong.
- Roofing Work by fixing the eucalyptus upper and lower members of the truss has not yet started

2. LATRINE CONSTRUCTION

- Excavation of the latrine (3m width, 4m length, and 3m depth) for the eight-seat women's toilets is completed.
- Masonry work is completed, but not yet covered with a concrete slab.

Figure 4: New toilet excavation, underground mason and formwork for slab

3. RESPONSES TO THE REQUESTED QUESTIONS

To address the concerns raised by the Carnevali Foundation, the joint visit team has thoroughly discussed the issues in the school compound and reached the following conclusions. Ground check/observation was also conducted.

- ✓ ***Are there separate toilets for boys and girls to ensure gender-based sanitation?***

Yes. The one-block latrine with eight stances/seats is under construction for boys. There is one latrine block with eight seats, constructed in the first phase, which will be for girls (see the above image).

Either the new under-construction toilet rooms or the old toilet rooms will be assigned to girls, and upon completion of construction, there will be gender-segregated toilets.

- ✓ ***Is there a water source within the toilet blocks for hand washing, washing body parts as needed, and flushing waste? Ideally, this should be available next to each toilet in the girls' bathroom.***

There is no water source within the toilet blocks, but a shallow well with a functional hand pump is 140 m away, constructed during the first phase.

- ✓ ***What is the source of clean, potable water for drinking? If necessary, is there a reverse osmosis system in place to purify the water?***

There is a shallow well, equipped with a functional hand pump, within the school compound. As the source of the water is from a shallow well, we think there is no need to have a reverse osmosis system in place to purify the water. It may only need to apply water treatment measures (chlorinate, etc.) based on the results of the water quality tests.

Figure 5: shallow well, Adigobye Carnevali School, phase 1 drilled

- ✓ ***If there is a borehole well, who is responsible for its maintenance? Is there a hand pump installed?***

A shallow borehole was drilled during the first phase of construction of Adigobiye School in 2020 and is equipped with a functional hand pump. The school community, together with the kebele administration representatives, is responsible for the maintenance and day-to-day management of the hand pump, in consultation with the Hawzen district/woreda office of water and energy.

- ✓ ***What system is in place for saving and storing water, and how is it piped to the toilets and drinking water stations?***

Currently, there is no water distribution point, above-ground reservoir/tanker storage, pipeline system, submersible pump, or power source to pump the water from the borehole.

By installing an HDP pipe, potable water can be transported from this water point to the toilet for hand washing and other sanitary uses. (Flashing the latrines, etc…). Of course, it requires energy to lift and push the water from the borehole to a nearly 3 m elevation difference from the borehole to the latrine.

If there is budget, these facilities can be constructed and made operational in a short period of time; complete design, including the energy required (solar powered water pump system is more preferable) to pump the water and store in the reservoir until it is guided by gravity to a distribution point close to the latrines through closed pipe system, could be forwarded to your attention.

- ✓ ***Has there been a recent water quality test for the drinking water? If so, when was the last test conducted?***

There is no current water quality test, but it might be conducted during drilling. ADCS team members (joining the visit) are advised to check it by referring to the borehole/well history recorded during drilling and to the pump test results. The groundwater quality of the shallow well is slightly hard, but it falls within the range of medium quality for domestic use.

- ✓ ***7. Is there a dry season when water is scarce? How does the school manage this situation?***

The groundwater level in the borehole is decreasing significantly during the dry season, but it never reaches the point of being completely dry.