

# WEST AFRICAN HEALTH FOUNDATION

*Eye Institute — Juaben, Ashanti Region, Ghana*

## CONSTRUCTION PROGRESS REPORT

Report Date: June 16, 2026 | Overall Completion: 90%

### 1. EXECUTIVE SUMMARY

The West African Health Foundation Eye Institute in Juaben, Ashanti Region, Ghana has reached a major construction milestone, achieving 90% overall project completion as of the date of this report. The facility is on track to become a premier ophthalmic care center serving the Ashanti Region and surrounding communities. Structural, civil, and interior works are substantially complete. The project now enters its final phase, focused on mechanical/electrical/plumbing (MEP) finishing works and the procurement and installation of state-of-the-art ophthalmic equipment.

### 2. PROJECT SNAPSHOT

Parameter	Details
Project Name	WAHF Eye Institute, Juaben
Location	Juaben, Ashanti Region, Republic of Ghana
Project Owner	West African Health Foundation (WAHF)
Facility Type	Dedicated Ophthalmic Care & Surgical Centre
Overall Completion	90% — Final Phase in Progress
Report Date	June 16, 2026
Report Status	<b>ACTIVE CONSTRUCTION — FINAL PHASE</b>

### 3. CONSTRUCTION PHASE STATUS

Construction Phase	Scope	Completion
Site Preparation & Earthworks	Excavation, grading, drainage, retaining walls	COMPLETE
Foundation & Substructure	Footings, ground beams, slab on grade	COMPLETE
Structural Frame	Columns, beams, floor & roof slabs	COMPLETE
Roofing & Waterproofing	Roof deck, membrane, guttering & downspouts	COMPLETE
External Envelope	Masonry walls, rendering, external painting	COMPLETE
Internal Partitioning	Block walls, drywall, door & window frames	COMPLETE
Internal Finishes	Floor tiling, ceiling boards, internal painting	95%
Rough Plumbing & Drainage	Pipework, drainage runs, water supply	COMPLETE
Rough Electrical & Data	Conduits, cabling, distribution boards	COMPLETE
Final Plumbing Fixtures	Sanitaryware, taps, sinks, sterilisation units	10%

Final Electrical Fixtures	Lighting, switches, sockets, nurse-call system	10%
Ophthalmic Equipment	Procurement & installation — next phase	0%
External Works & Landscaping	Parking, paving, security fencing, signage	80%

## 4. IMMEDIATE NEXT STEPS — FINAL PHASE

### 4.1 Final Plumbing Fixtures Installation

- Installation of all sanitaryware: washbasins, WC suites, clinical scrub sinks, and patient handwash basins throughout consulting rooms, surgical suites, and ward areas.
- Fitting of clinical-grade sterilisation units and autoclaves in the decontamination and instrument-processing rooms.
- Connection and commissioning of solar-assisted hot water systems and medical gas outlets (O<sub>2</sub>, N<sub>2</sub>O, vacuum) in operating theatres.
- Final connections for the eye-wash stations and emergency shower units required in the laboratory and pharmacy areas.
- Pressure testing, leak checks, and sign-off on all water supply and drainage systems prior to commissioning.

### 4.2 Final Electrical Fixtures Installation

- Installation of all interior lighting — general LED luminaires in consulting rooms, examination-grade task lighting in eye lanes, and surgical-quality shadowless operating theatre lights.
- Fitting of power outlets, medical-grade isolation transformers, and UPS-protected circuits for life-critical and ophthalmic equipment.
- Completion of the nurse-call and patient-alert system, CCTV, access control, and fire alarm/detection system.
- Connection and testing of the standby generator (already installed) and automatic transfer switch to ensure uninterrupted power supply during examinations and surgeries.
- Commissioning of the solar PV array and battery storage system alongside the main utility grid connection.

### 4.3 Procurement of State-of-the-Art Ophthalmic Equipment

Upon completion and commissioning of all plumbing and electrical fixtures, procurement will be initiated for the following ophthalmic equipment suite:

#	Equipment	Clinical Application	Area / Department
1	<b>Slit-Lamp Biomicroscopes (x4)</b>	Anterior & posterior segment examination	Eye Consultation Rooms
2	<b>Auto-Refractor / Keratometer</b>	Refractive error & corneal curvature measurement	Refraction Unit
3	<b>Indirect Ophthalmoscopes</b>	Retinal examination, fundus assessment	Consultation & Outreach
4	<b>Tonometers (Goldmann &amp; Non-Contact)</b>	Intraocular pressure measurement / glaucoma	Glaucoma Clinic
5	<b>Optical Coherence Tomography (OCT)</b>	High-resolution retinal & optic nerve imaging	Imaging Suite
6	<b>Fundus Camera (Digital)</b>	Retinal photography & documentation	Imaging Suite
7	<b>Phacoemulsification System</b>	Cataract surgery — ultrasonic lens emulsification	Operating Theatre

8	<b>Vitreoretinal Surgical System</b>	Vitrectomy, retinal detachment repair	Operating Theatre
9	<b>Operating Microscope (Surgical)</b>	Intraocular microsurgery — cataract, glaucoma	Operating Theatre
10	<b>Laser Photocoagulation Unit</b>	Diabetic retinopathy, retinal tear treatment	Laser Suite
11	<b>YAG Laser System</b>	Posterior capsulotomy, iridotomy	Laser Suite
12	<b>Visual Field Analyser</b>	Perimetry — glaucoma & neuro-ophthalmic screening	Glaucoma Clinic
13	<b>Biometry (IOL Master)</b>	Axial length & IOL power calculation pre-cataract	Pre-op Assessment
14	<b>Corneal Topographer</b>	Corneal mapping for contact lenses & keratoconus	Refraction Unit
15	<b>Low-Vision Aids &amp; Equipment</b>	Assessment & rehabilitation for visually impaired	Low Vision Clinic

## 5. KEY RISKS & MITIGATIONS

Risk	Potential Impact	Mitigation
Equipment procurement lead times	Delay in facility opening	Early tendering; engage multiple approved suppliers
Import clearance / customs — Ghana Ports	Equipment delivery delay	Engage freight forwarder; liaise with GIPC & MoH
Fixture supply chain disruption	Delay in MEP completion	Pre-order fixtures; maintain buffer stock on-site
Skilled MEP sub-contractor availability	Programme slippage	Contract awarded; workforce mobilised

## 6. CONCLUSION & OUTLOOK

The West African Health Foundation Eye Institute is in an excellent position as it enters its final construction phase. With 90% of works complete, the remaining activities — final plumbing fixtures, final electrical fixtures, and ophthalmic equipment procurement and installation — represent well-defined, manageable tasks. Upon completion, the Institute will deliver world-class eye care services to the people of Juaben and the broader Ashanti Region, fulfilling the West African Health Foundation's mission to improve health outcomes across West Africa.

The project team remains committed to maintaining quality, safety, and schedule discipline through to practical completion and handover.

*Prepared by: Project Management Team — West African Health Foundation*