PROJECT IMPLEMENTATION REPORT

Project ID:	5375
Project Name:	Scaling up Small Hydro Power (SHP) in Nigeria
Countr(ies):	Nigeria
Implementing Agency:	UNIDO

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I. Overview

A. Description

Project name
Scaling up Small Hydro Power (SHP) in Nigeria

Country
Nigeria

GEF ID	Implementing Agency
5375	UNIDO

Executing Entity
Federal Ministry of Environment (FME), Federal Ministry of Power (FMP), Federal Ministry of Water Resources (FMWR), Energy Commission of Nigeria (ECN), State Governments

Trust Fund	Project Type
GET	FSP

PIR Submission	Fiscal Year , PIR Number
9/14/2026	FY 2026 , 11th PIR

Objective
To promote investments in SHP technology and strengthen local manufacturing of SHP turbines in Nigeria

B. Ratings and Disbursements

Implementation Progress	Development Objective
Moderately Satisfactory	Satisfactory

Overall risk
Moderate Risk

Project Financing	Cumulative Disbursement
2,945,200.00	2,607,509.61

C. Key Dates

CEO Endorsement/Approval	Agency Approval
2/2/2015	2/18/2015

Implementation Start	First Disbursement
3/24/2015	5/29/2015

Expected MTR	Actual MTR
6/30/2019	2/18/2019
Expected Completion	Actual Completion
12/31/2025	

II. PROGRESS STATUS AND ISSUES

A. Progress: Information on progress and outcomes of project implementation activities

Output 2.1: Enhanced local fabrication capacity for micro hydro turbines and control equipment from 125 to 300 kW

Technology transfer training conducted.

One set of turbines (100kW) locally fabricated and will be installed at the Owena Dam in Ondo State. Second unit (100kW) also expected to be fabricated in 2026.

The European Union funded SHP project to support the implementation of SHP sites using locally fabricated turbines

Output 2.2: National standards developed for SHP electromechanical equipment in Nigeria

SON has established a National Technical Committee (NTC) for the adoption of SHP standards in Nigeria

Output 3.2: Detailed feasibility studies prepared for the replication SHP plants

Detailed feasibility studies prepared for the implementation of the Ghari Dam (400kW), Ajali River (700kW), Lemme-Tela (1,600kW), Assop Fall (2,400kW) and Owena Dam (350kW)

Preliminary assessments conducted for the implementation of over 12 potential sites

Output 3.3: SHP plant of 3.1 MW cumulative capacity established

Implementation of the 320kW Balanga Dam SHP project in Gombe State ongoing. Electromechanical equipment has been delivered to the project site and civil works is progressing. Project expected to be commissioned in August 2026.

Implementation of the 300kW Doma Dam SHP project in Nasarawa State is ongoing. Electromechanical equipment has been delivered to the project site.

Completion of the 15kw Obasanjo Library mini hydropower.

Output 3.4: Promotion of replication projects

Request received from numerous State Governments such as Taraba, Abia, Kano, Kwara, Enugu, Cross River, Zamfara, Kaduna and Plateau State to implement SHP projects in identified potential sites in their respective states.

Request also received from KONEXA, a private sector energy company to co-develop SHP projects across the country, specifically the 8MW Mboh-Orah Falls located in Taraba State.

B. Challenges: Information on challenges of project implementation activities

Significant progress has been made in the implementation of the project. Demonstration sites such as the 320kW Balanga Dam and the 300kW Doma Dam scheme are nearing completion.

There are also active engagements with several stakeholders to implement additional SHP sites. The sites which include the Owena Dam (350kW) in Ondo State, Obudu Mountain Resort (2,500kW) in Cross River State, Ghari Dam (400kW) in Kano State and Asop Falls (2,400kW) in Plateau State are all expected to commence in Q4 2026.

Synergy also exists between the EU funded project implemented by UNIDO titled "Small Hydropower for Agro-Industry use in Nigeria" (SHP-DAIN). The Project aims at establishing a minimum of six (6) SHP plants across the Country with a minimum cumulative capacity of 2.1MW. The Project also intends to utilize locally fabricated turbines in at least one of the six sites to be implemented. The EU has also expressed interest in providing additional funds for Phase 2 of the SHP-DAIN Project

However, this project also experienced some delays in the implementation of demonstration SHP sites due to constraints faced by project stakeholders in mobilizing co-financing for the implementation of some demonstration sites.

The unavailability of adequate government incentives for the SHP sector as well as the perceived risk by investors has limited the participation of the private sector. In this regard, the project is collaborating with relevant stakeholders in the Renewable Energy sector to review and propose suitable incentives to boost the participation of the private sector in developing SHP projects.

C. Stakeholder Engagement

The project is aligned with National priorities. Meanwhile mobilizing counterpart fund is quite essential for the project to record more successes.

D. Gender Equality

The Project collaborates with relevant Civil Society Organizations (CSOs) such as Women in Renewable Energy (WiRE) to promote gender mainstreaming and women empowerment within the framework of the project.

The project has also ensured the representation of both men and women among the stakeholders and beneficiaries, for workshop events and training, to support the advancement of women's equal participation.

Considerable efforts are being made by the PMU to select as many qualified women as possible in its planned activities, both at the management and technical levels and encourage them to participate in all relevant project and decision-making activities.

E. Knowledge Management

N/A

III: Minor Amendments

CONTEXT	
Result Framework	

Components and Cost	
Institutional And Implementation Arrangements	
Financial Management	
Implementation Schedule	
Executing Entity	
Executing Entity Category	
Minor Project Objective Change	
Safeguards	
Risk Analysis	
Increase of GEF Financing up to 5%	
Co-Financing	
Location of Project Activity	
others	

IV: Geographic Coordinates of Project Activities

Location Name	Latitude	Longitude	GeoName ID
Balanga Dam SHP Project	9.9244	011.433	

Location Description:

Activity Description:

Location Name	Latitude	Longitude	GeoName ID
Doma Dam SHP Project	8.3555	8.3043	

Location Description:

Activity Description:

Location Name	Latitude	Longitude	GeoName ID

Obudu Mountain	6.3666	9.3666	

Location Description:

Activity Description:

Location Name	Latitude	Longitude	GeoName ID
Owena Dam reservoir	7.19936	05.0186	

Location Description:

Activity Description:

Location Name	Latitude	Longitude	GeoName ID
Assop Falls	9.517331667380317	8.622383685348515	

Location Description:

Activity Description:

V. ANNEX

Uploaded Document

Document Category	Title
M and E Document	5375_Financial_Report_2026
M and E Document	5375_2026_PIR_UNIDO_Nigeria_clean