

**PRESENTATION AT THE 11TH GLOBAL ENVIRONMENT FACILITY (GEF) NATIONAL STEERING COMMITTEE MEETING,
29 – 30 AUGUST, 2018 AT BARCELONA HOTEL, BLANTYRE STREET, WUSE II, ABUJA**

GEF 5: SCALING UP SMALL HYDRO POWER PROJECT IN NIGERIA

Introduction

The GEF Project: “Scaling Up Small Hydro Power Project in Nigeria” was launched in September, 2015. The objective is to establish small hydro power projects in Nigeria with a cumulative capacity of 3.1MW and also to upscale the local fabrication of electro-mechanical equipment in Nigeria to a capacity of 300KW. The GEF-5 project is aimed at GHG emission reduction. The launch of the GEF – 5 project was preceded by a stakeholders’ meeting.

The first project steering committee meeting was held in November 2016, with the major stakeholders and project implementers in attendance. The second project steering committee meeting was held in December 2017.

Name	Project Components/Outputs	Activities executed	Remarks
GEF-5 Scaling up Small Hydro Power in Nigeria	PC 1: Capacity development and knowledge management		
	<i>Output 1.1: Capacity of SHP technology centre in Nigeria strengthened</i>	<ul style="list-style-type: none"> • Procured SHP equipment for the RC- SHP • Five (5) sites selected for the GEF 5 projects were visited by the International Expert. The feasibility reports for the five (5) sites are available for final engineering designs 	<ul style="list-style-type: none"> • The five sites visited and their designed capacities are: <ol style="list-style-type: none"> 1. Osara Dam – 300 kW 2. Omi Dam – 900 kW 3. Okura Dam – 1.5 mW 4. Ofu River – 400 kW 5. Ikpoba – 1,000 kW. • Doma Dam, Nasarawa – 300 kW. Construction work at the site is on-going. • The SHP equipment has been delivered to the RC.

Name	Project Components/Outputs	Activities executed	Remarks
	PC 2: Upgrading the capacity for local fabrication of SHP turbines and control systems in Nigeria		
	<i>Output 2.1: Enhanced local fabrication capacity for cross flow turbines and control equipment up to 300kW</i>	<ul style="list-style-type: none"> Some manufacturers / companies have been screened for training on local manufacturing of electro-mechanical equipment up to 300kW 	<ul style="list-style-type: none"> Additional screening process on-going for more trainees
	Component 3: Promoting investment in SHP sector		
	<i>Output 3.1: Incentives system designed for SHP projects</i>	<ul style="list-style-type: none"> Incentive scheme of \$500 /kW installed based on incremental cost principle is proposed for developing the potential SHP sites 	<ul style="list-style-type: none"> Procurement of turbines for Doma and Tunga dam will be initiated soon based on the response of the benefitting SGs.
	<i>Output 3.2: Detailed feasibility studies prepared for the replication SHP plants.</i>	<ul style="list-style-type: none"> Private investors have undertaken some studies and designs at various stages for SHP project development 	<ul style="list-style-type: none"> The new sites are Tunga dam II and Maisamari dam in Taraba State. SAM-ART International Engineering Ltd has indicated interest to implement Okinni SHP site in Osun state. He has mobilized to site to complete Ikeji-Ile site, also in Osun state. Palliative Ventures has reached advanced stage to sign an MoU with Kaduna State Government to implement kangimi Dam SHP

Name	Project Components/Outputs	Activities executed	Remarks
	<i>Output 3.3 : SHP of 3.1 MW cumulative capacity established</i>	<ul style="list-style-type: none"> • Organized a seminar on SHP development to identify interested stakeholders willing to develop any of the identified SHP sites in the country • A SHP International Expert was engaged to carry out feasibility studies of five (5) sites 	<ul style="list-style-type: none"> • The five sites visited and their designed capacities are: <ol style="list-style-type: none"> 1. Osara Dam – 300 kW 2. Omi Dam – 900 kW 3. Okura Dam – 1.5 mW 4. Ofu River – 400 kW 5. Ikpoba – 1,000 kW.
	PC 4: Monitoring and Evaluation M & E		
	<i>Output 4.1: Mid-Term evaluation report</i>	<ul style="list-style-type: none"> • Annual monitoring report preparation on-going 	<ul style="list-style-type: none"> • Report to be submitted to GEF Secretariat.