

Ref: PAL10-00109381

Date: 1 November 2018

Subject: Renewable Energy for All: Photo Voltaic Cells for Gaza Hospitals Progress Report

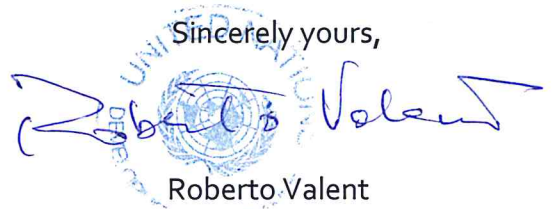
Your Excellency,

Reference is made to the contribution agreement between the Government of Japan and UNDP's Programme of Assistance to the Palestinian People for the Renewable Energy for All: Photo Voltaic Cells for Gaza Hospitals project, effective 18 March 2018.

I am pleased to submit herewith the third Quarter Progress Report for the abovementioned Project. The Report provides a summary describing the progress of the Project between March and end of September 2018.

I thank the Government of Japan for its contributions through UNDP and look forward to strengthening our partnership in support of the Palestinian People.

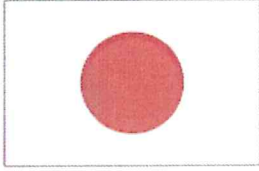
Sincerely yours,



Roberto Valent
Special Representative of the
Administrator
UNDP/PAPP

H.E. Takeshi Okubo
Ambassador for the Palestinian Affairs
Representative of Japan to Palestine

Ramallah



من الشعب الياباني
From the People of Japan



*Empowered lives.
Resilient nations.*

**United Nations Development Programme
Programme of Assistance to the Palestinian People**

Country: occupied Palestinian territory

Donor: Government of Japan

Project: Renewable Energy for All: Photo Voltaic Cells for Gaza hospitals

PAL10-00109381

**Progress Report
01 July – 30 September 2018**

Progress Report

1. Report Summary

- (1) **Title of the Project:** Renewable Energy for All: Photo Voltaic Cells for Gaza Hospitals
- (2) **Date of approval:** March 2018
- (3) **Project No.** PAL00091323, **Award No.** 000 109381
- (4) **Total Project budget:** USD 500,000
- (5) **Scheme of the Project:** Japanese Supplementary Fund
- (6) **Period covered by the report:** Progress Report No. 2 covering the period from March to September 2018.

2. Names of UNDP Officer in charge, and Project Manager with their contact address

- Iman Al Hussein, Infrastructure Specialist, mobile: 0599606775, e-mail: iman.husseini@undp.org
- Hekmat El Khairy, Project Manager, mobile: 0599606791, email: hekmat.khairi@undp.org

3. Name of Palestinian counterpart, title, and contact address

- Dr. Ashraf Abu Mohadi, Director General, International Cooperation Department - Ministry of Health (MoH), Mobile: 0599 162 642
- Hussein El Nabih, General Director of Palestinian Energy Authority (PENRA)
Email: h_alnabih@hotmail.com

4. Contents

(1) Summary of the Project

The Government of Japan contributed USD 500,000, through UNDP/PAPP, to support the “Renewable Energy for All: Photo Voltaic Cells for Gaza hospitals” project in the Gaza Strip.

Throughout the reporting period, UNDP has completed the design and specifications for the proposed PV system in close cooperation with PENRA and MoH and based on priorities list developed by JICA. Complete tendering package is currently in the final stage where the tender is under awarding.

The discussions with MoH, in cooperation with PENRA reached to an understanding between all parties to utilize the available amount in the budget for the photovoltaic solar systems in four laboratory units in four hospitals across the Gaza Strip.

The intervention will provide a sustainable source of green energy and adopt energy efficiency for the lighting system.

The targeted four hospitals are:

#	MoH Hospitals	Targeted Units	Capacity (KW)
1	Beit Hanoun hospital	Laboratory	20
2	Al-Aqsa hospital	Laboratory	25
3	Najjar hospital	Laboratory	20
4	Emirati RC maternity hospital	Laboratory	20

The tender will be issued for the provision and installation of the PV system to cover the loads of hospitals' laboratories. The pre-bid meeting along with the site visit and bid opening was held in July 2018.

(2) Project component

Component	Description	Budget USD	Project Site
Provision of sustainable electricity supply through installation of photovoltaic systems serving four vital laboratories in four hospitals across the Gaza Strip covering health services.	<ul style="list-style-type: none"> ➤ Providing detailed design of the targeted hospitals in cooperation with MoH and PENRA. ➤ Constructing of battery rooms on top of targeted hospitals for solar system. ➤ Supplying and installing PV panels, batteries, inverters, cables and circuit breakers. ➤ Commissioning and operation of the solar system. 	325,000	Beit Hanoun, Deir El Balah, and Rafah
Appliance of energy efficiency for the essential loads in the targeted units within targeted hospitals	<ul style="list-style-type: none"> ➤ Carrying out the required lighting lux level survey to determine the required quality of lighting. ➤ Installing new LED lamps instead of existing fluorescent lamps. 	14,800	Beit Hanoun, Deir El Balah, and Rafah
Project supervision cost	UNDP Direct Implementation, field Administration and Operation Cost.	116,321	
Partnership with JICA		6,842	
Total (\$) - Programmable Amount		462,963	
GMS (8%)		37,037	
Total Budget		500,000	

(3) Project timeframe, schedule status, progress of activities, and tasks and measures

Indicated output	Activities	Timeframe								Schedule Status	Activities done in the reporting period	Remaining Work	Tasks & Measures
		2018				2019							
		Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4				
<p>OUTPUT 1: Provision of sustainable electricity supply through the installation of photovoltaic systems serving four laboratory units in four hospitals across the Gaza Strip.</p>	<ul style="list-style-type: none"> ➤ Providing detailed design of the targeted hospitals in cooperation with MoH and PENRA. ➤ Construction of battery rooms on top of targeted hospitals for solar system. ➤ Supply and installation of PV panels, batteries, inverters, cables and circuit breakers ➤ Commissioning and operation of the solar system 	√	√	√	√					On going	<ul style="list-style-type: none"> - The JICA priorities list was revised and four labs in four hospitals were realized to be targeted within this project, the selection was done in cooperation with MoH, JICA and PENRA. - UNDP, PENRA and MoH developed the detailed designs and produced detailed BoQ. The relevant procurement process was started. - All received tenders were reviewed and evaluated. 	<ul style="list-style-type: none"> - Signing contract with the selected contracting company. - Starting the implementation of activities. 	Commencement of works.

<p>Output 2: Applying energy efficiency for the essential loads in the targeted units within targeted hospitals.</p>	<p>➤ Carrying out the required lighting lux level survey to determine the required quality of lighting. ➤ Installing new LED lamps instead of the existing fluorescent lamps</p>		√	√	Not started	<p>- To define amount of energy saved. - Assessment of lighting system of targeted units in the four hospitals. - Relevant BoQ was developed and included within the tender documents. - All submitted prices within BoQ were reviewed and evaluated.</p>	<p>- Supply of materials - Install new LED lamps instead of the existing fluorescent lamps.</p>	<p>- Defining baseline of the current loads. - Final measurement of targeted lighting loads.</p>
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Project Completion Date: as planned by end of March 2019.

5. Financial report

Budget items	A. Original budget (USD)	B. Disbursement (USD)	C. Balance (A-B)	D. Rate of disbursement (%) (B/A*100)
Providing detailed Designs	5,000.00	-	5,000.00	0.00%
Installation of photovoltaic systems serving four laboratory units	335,750.00	-	335,750.00	0.00%
Applying energy efficiency for the essential loads in the targeted units within targeted hospitals	22,590.00	-	22,590.00	0.00%
Workshop and Media	5,000.00	-	5,000.00	0.00%
Communication	5,000.00	3,333.33	1,666.67	66.67%
Advocacy and Visibility	5,000.00	5,000.00	-	100.00%
UNDP Direct Implementation Cost	67,523.00	14,356.94	53,166.06	21.26%
Audit	5,000.00	-	5,000.00	0.00%
General Operation Expenses	12,100.00	8,066.67	4,033.33	66.67%
Sub-total	462,963.00	30,756.94	432,206.00	6.64%
GMS (8%)	37,037.00	2,460.56	35,576.44	6.64%
Gain & Loss	-	-	-	
Grand Total	500,000.00	33,217.50	466,782.50	6.64%





*It is important to highlight that the financial figures in this report are temporary figures and may be corrected at a later stage due to exchange rate fluctuations, realized gain/loss or any other possible corrections. UNDP/PAPP's financial system operates in such a

manner that the financial system closes in early December of each year and that final expenditure reports reflecting the disbursements and GMS of the previous year are only published in March of the following year.



6. Any special notes or remarks

- Total of 85 KW of Green Energy will be produced through implementing a new renewable energy system for the four laboratories within the targeted hospitals.
- The new renewable energy system will save 60% of the lighting amount of energy within the targeted laboratories.
- The laboratories must have 24/7 days to provide the required medical testing for patients within the targeted four hospitals in order to secure the flow of health services provided within these hospitals.
- The targeted hospitals are distributed along the Gaza Strip where each hospital is located in a different Governorate. This will have a positive impact on patients during receiving health services during normal and crises periods.

7. Pictures presenting progress of the project

	
Beit Hanoun hospital	Al-Aqsa hospital
	
Najjar hospital	Emirati RC maternity hospital

8. Report authorization by UNDP/PAPP

Reporting person, title and belongings: Hekmat El Khairy, Project Manager, Jawwal: 059-9606-791	
Date of submission: 2 October 2018	
Supervisor staff with his/her signature: Iman Al Hussein, Infrastructure specialist, Jawwal:059-960-6775	
Approved by: Basil Nasser, Head of Gaza office	