

Overseas Reports

【Current Activities of a Former Participant】



Mahmound-san reported his current activities in JORDAN



- 1) Course Leader: Mr. Kenji KAWAGUCHI
- 2) Former Participant: Mr. AL-JEZAWI Mahmoud Ahmad Mahmoud

October 20th, 2017

Training Division


Kitakyushu International Techno-cooperative Association

We introduce current activities of former participants playing on active role after completing their JICA/KITA training course

This issue of Overseas Reports covers activities being run in their homeland by participants who attended the training course, “Promotion of Energy Conservation in Commercial and Residential Sector (B)”.

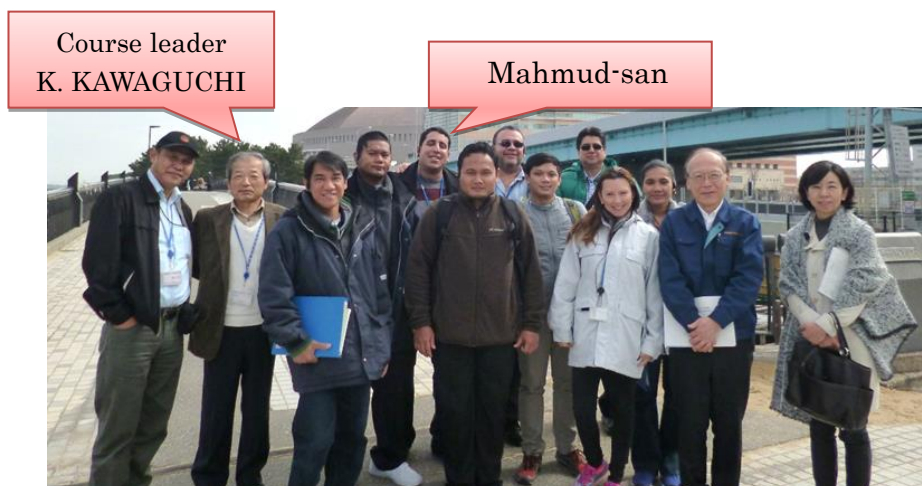
Mr. Kenji KAWAGUCHI, the course leader, introduced us his activity situation.

1. Introduction of the participant, who has given the report

Nickname	Photo	Name	Country	Period of JICA Training Course
Mahmud-san		Mr.AL-JEZAWI Mahmoud Ahmad Mahmoud	JORDAN	Feb. 01, 2015 to Mar. 20, 2015



Famous sights of Jordan



The memorial photo of participants with course leader K. KAWAGUCHI.



The participants on a field trip

2. Message from K. KAWAGUCHI, Course Leader



Mr. Mahmud is one of the most impressive participants for his cheerful and friendly character. I remember that we talked each other in broken English at a tavern in Kashima city in Ibaraki Prefecture and he showed me proudly a picture of beautiful fiancé to get married after returning home.

Since he works for National Electric Power Company, it was an important task for him to tackle with the rise in electricity unit price due to the difficulty of obtaining natural gas and its soaring cost (increase of tax-financed subsidies).

“Reduction of electricity demand by promoting energy conservation” and “Promoting the introduction of photovoltaic power generation” was the theme of his Action Plan. I am very happy to understand that his effort is progressing steadily through this report. I look forward to further success in the future.



3. Letter from Mahmud - san



Dear JICA-Kyushu, Course leader, Coordinators and Friends, wish you all the happiness.

I hope all are doing well and I hope all are in a good health. In fact, I'd like to show you some of the results of solving problems that I mentioned in my action plan.

It's not applied exactly as I planned because some processes intersect with more than one official authority such as ministries or government institutions and private institutions, but

I think it's acceptable.

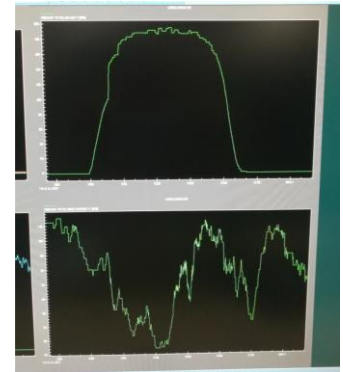
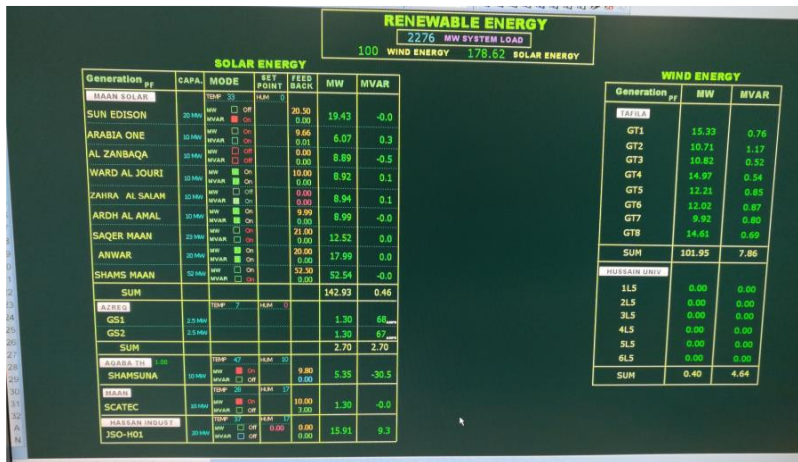
Some of these results can be shown in the images next, as it's confined to street lighting of many of the main streets and sub-streets in Amman (capital city) and International streets within the country and use of renewable energy wider and better than before for national grid and also for many buildings like schools, universities, governmental buildings, and houses.

The following image shows a screenshot of the control monitor in my work, it's a part of total generation in JORDAN where you can see the solar and wind generation, it's about 210MW for each one (420MW totally) but in the selected day it was 172MW for solar and 157MW for wind.

Generation	PF	MW	MVAR
SOLAR ENERGY			
SHAMSUNA		7.60	-0.67
AZREQ SOLAR		3.84	
MAAN SOLAR		135.65	0.01
SCATEC SOLAR (ORYX)		7.67	-0.92
HASSAN INDUST		17.34	1.57
SUM		172.2	-0.13
WIND ENERGY			
TAFILA	wind 14.0 Temp 10	112	9.2
HUSSAIN	wind 14.0 Temp 10	42	-2.8
SUM		156.6	6.4

AMMAN E
GT 1
GT 2
STEAM
SUM
QATRANA
GT 1
GT 2
STEAM
SUM
ATPS
HFC
STEAM 1
STEAM 2
STEAM 3
STEAM 4
STEAM 5
SUM
EHAB
GT 10
GT 11

There are too many projects under construction and it will be connected to the national grid at the end of 2017, it will be around **800MW** as renewable energy.



1) The following images shows (Shamsuna Solar) Power station



2) The following images shows (Saquer Ma'an) Power station



3) The following images shows (Shams Ma'an) Power station (With SUN TRACKING SYSTEM)



4) The following images shows (Tafila) Wind Farm



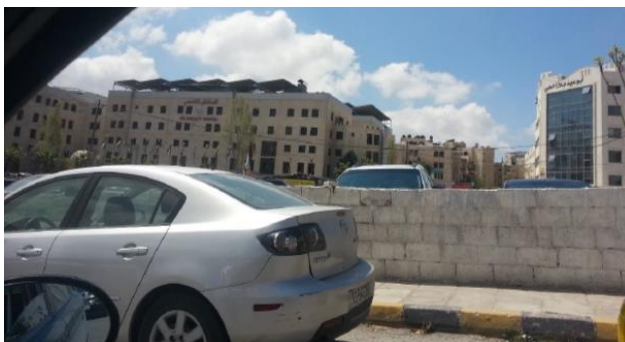
5) The next photos show the PV generators on some houses where the cost of this panel is become lower than before because of the reduction of taxes and customs.



6) The following images shows the PV generators on the roof of this School and cars parking



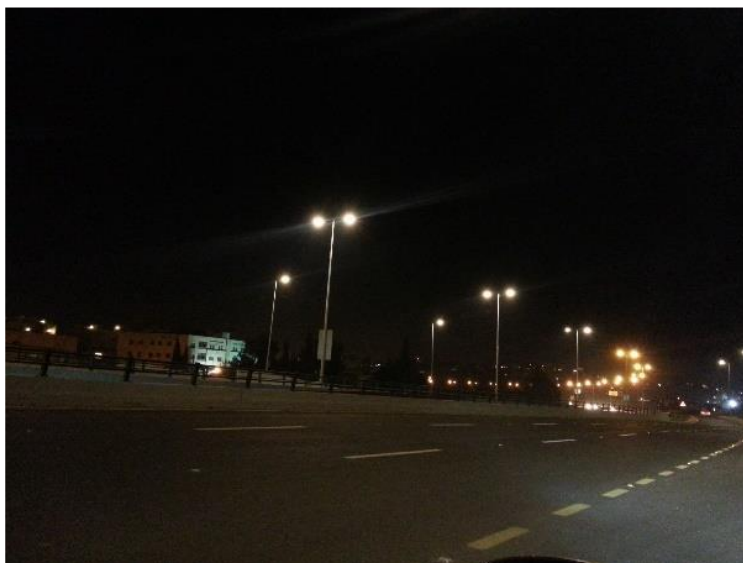
7) The following images collection shows the PV on the roof the Hospital.



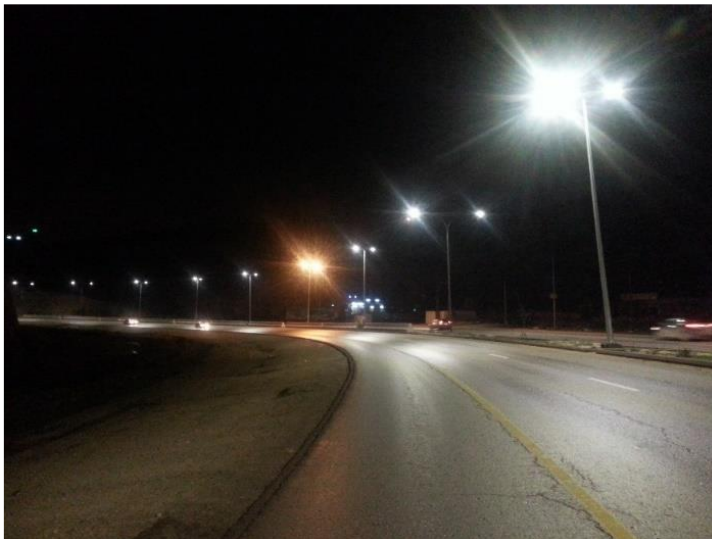
8) The following images shows the street lights in the different places in Amman (Capital city) where the LED system is used.



9) The following image shows the street light at the beginning of airport street where the you can see that only the corrupted lights (halogen and sodium lights) are replaced with LED so you can see the different with yellow and white lights.



10) Finally, the following images shows the street light in the Al-Urdon street where this street connects the middle with the north of Jordan and also, like previous images it's clear that all corrupted lights (halogen and sodium lights) are replaced with LED and can be shown by the different with yellow and white lights.



◆ Please refer to the report documents.



Please click here
to read his
report

