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# **Machrek Energy Development – Solar Evaluation of application forms for the pilot project in West Bank**

## **1. Introduction**

The Energy Research Centre (ERC) at An-Najah National University, through the project Machrek Energy Development- Solar (MED-Solar) which is implemented under the ENPI CBC Mediterranean Sea Basin Program ([www.enpicbcmed.eu](http://www.enpicbcmed.eu)), was published call of proposals for implementation solar pilot project in the West Bank, the ERC received as a total three offers from different public institutions.

The following tables are the summarizing of the contact details and submitted information regarding obligatory requirements from each interested beneficiaries that willing to benefit from this program.

## 1-Contact details

**Name of the Facility:** An-Najah Hospital

**Head of the Facility person:** 1- Dr. Khalil Issa, Hospital Medical Director  
2- Mr. Muhyee Eddin Al-Salous, S. Director of Administration and Operations.

**TeL.:** 00 972 92389687

**FAX:** 0097292345982

**Email:** [nnuh@najah.edu](mailto:nnuh@najah.edu)

## 2-Pre-requisite or obligatory requirements

	Obligation	Required documentation
1	The applicant Facility must be fully and legally registered within the appropriate department in the government	Registration documents/ Available
2	The Facility must not be in any legal dispute.	Proof document/ Available
3	The Facility has adequate non-shaded and vacant plot or roof for the PV system that is south facing and not hindered by any near-by obstacles <sup>1</sup> .	Drawing, pictures/ Available
4	The owner of the building is willing to authorize the installation	Authorization letter for the owner of the facility/ Available
5	The facility is located in A or B areas	Nominate the area/A area
6	The facility pays regularly for the electricity consumption	Electricity bills/ Available
7	The Facility must co-finance the project and the minimum co-financing required is 25.000 € It must be cash and be transferred to the ERC bank account	Commitment letter / Available and the minimum co-financing will be 25.000 €
8	The facility has an emergency backup system	Electrical drawing/ Available
9	The facility has a minimum yearly consumption of 150.000 kWh and a maximum of 500.000 kWh.	Electricity bill / Available and the Hospital yearly consumption of 446.244 kwh
10	The Facility has the capacity to guarantee the equipments are not stolen	Commitment letter/ Available
11	The Facility must sign a MoU with the ERC. In this MoU, the Facility will commit to maintaining the RE system effectively and to not to sell/lend/ remove any equipment,	Commitment letter/ Available

<sup>1</sup> In the case of MEDSOLAR the size of the plant will be between 50 and 80 kWp, which requires approximately between 800 and 1300 m<sup>2</sup> roof space

	and will include a clause to allow the ERC to obtain any operational data on the performance of the system through specifically installed data loggers and to do a baseline and closeline to produce “1 report on social-economic impact study for future projects”	
12	The RE system must be insured against accidental damage and robbery, and the cost of this insurance must be accrued by Facility.	Commitment letter/Available
13	The Facility has never received any funds from EU and any other donor for installation of renewable energy pilot projects	Commitment letter/Available

### 3-Additional requirements and/or obtainable points

	Requirement	Required documentation	Points obtainable Max	Points obtainable Actual
1	The facility follows the energy conservation measures	Audit report / Available	15%	14
2	The facility is public	Status / Public	15%	15
3	The facility has an important social role	Activities / Available	15%	14
4	The facility will carry out training activities to promote the use of renewable energy based on the pilot project	Commitment letter/ Available	20%	19
5	The Facility has already maintenance staff and technicians taking care of the equipments	Names of staff/ Available	15%	14
6	The Facility has never received any funds for installation of renewable energy in their institution.	Commitment letter/ Available	20%	20
	<b>Total:</b>			<b>96</b>

## 1-Contact details

**Name of the Facility:** Aqqaba Municipality

**Head of the Facility person:** Jamal Mohammed Abu arra

**TeL.:** 09-2575111

**FAX:** 09-2575301

**Email:** [jqasem@aqgaba.ps](mailto:jqasem@aqgaba.ps)  
[w.aalan@aqgaba.ps](mailto:w.aalan@aqgaba.ps)

## 2-Pre-requisite or obligatory requirements

	Obligation	Required documentation
1	The applicant Facility must be fully and legally registered within the appropriate department in the government	Registration documents/ Available
2	The Facility must not be in any legal dispute.	Proof document/ Available
3	The Facility has adequate non-shaded and vacant plot or roof for the PV system that is south facing and not hindered by any near-by obstacles <sup>2</sup> .	Drawing, pictures/ Drawing is available but pictures are not available
4	The owner of the building is willing to authorize the installation	Authorization letter for the owner of the facility/ Available
5	The facility is located in A or B areas	Nominate the area/ A area
6	The facility pays regularly for the electricity consumption	Electricity bills/ Available but the facility has a debt of 16022.00 NIS
7	The Facility must co-finance the project and the minimum co-financing required is 25.000 € It must be cash and be transferred to the ERC bank account	Commitment letter / Available and the maximum co-financing will be 25.000 €
8	The facility has an emergency backup system	Electrical drawing/ Not Available but commitment letter that the facility has an emergency backup system is available
9	The facility has a minimum yearly consumption of 150.000 kWh and a maximum of 500.000 kWh.	Electricity bill / Available and the Hospital yearly

<sup>2</sup> In the case of MEDSOLAR the size of the plant will be between 50 and 80 kWp, which requires approximately between 800 and 1300 m<sup>2</sup> roof space

		consumption of 295.440 kwh
10	The Facility has the capacity to guarantee the equipments are not stolen	Commitment letter/ Available
11	The Facility must sign a MoU with the ERC. In this MoU, the Facility will commit to maintaining the RE system effectively and to not to sell/lend/ remove any equipment, and will include a clause to allow the ERC to obtain any operational data on the performance of the system through specifically installed data loggers and to do a baseline and close line to produce “1 report on social-economic impact study for future projects”	Commitment letter/ Not Available
12	The RE system must be insured against accidental damage and robbery, and the cost of this insurance must be accrued by Facility.	Commitment letter/Available
13	The Facility has never received any funds from EU and any other donor for installation of renewable energy pilot projects	Commitment letter/ Available

### 3-Additional requirements and/or obtainable points

	Requirement	Required documentation	Points obtainable Max	Points obtainable Actual
1	The facility follows the energy conservation measures	Audit report / the audit report is not available but there is a letter mentioned that the facility follows the energy conservation measures	15%	8
2	The facility is public	Status / Public	15%	15
3	The facility has an important social role	Activities / Not Available	15%	12
4	The facility will carry out training activities to promote the use of renewable energy based on the pilot project	Commitment letter/ Available	20%	16
5	The Facility has already maintenance staff and technicians taking care of the equipments	Names of staff/ Available	15%	13
6	The Facility has never received any funds for installation of renewable energy in their institution.	Commitment letter/ Available	20%	20
	<b>Total:</b>			<b>84</b>

## 1-Contact details

**Name of the Facility:** Arab Women Union Society

**Head of the Facility person:** Ohoud Yaish /Qanadilo

**TeL.:** 09-2389104 /239833

**FAX:** 09-2383110

**Email:** [Society1921@yahoo.com](mailto:Society1921@yahoo.com)

## 2-Pre-requisite or obligatory requirements

	Obligation	Required documentation
1	The applicant Facility must be fully and legally registered within the appropriate department in the government	Registration documents/ Available
2	The Facility must not be in any legal dispute.	Proof document/ Not Available
3	The Facility has adequate non-shaded and vacant plot or roof for the PV system that is south facing and not hindered by any near-by obstacles <sup>3</sup> .	Drawing, pictures/ Pictures are available
4	The owner of the building is willing to authorize the installation	Authorization letter for the owner of the facility/ Not Available
5	The facility is located in A or B areas	Nominate the area/ A area
6	The facility pays regularly for the electricity consumption	Electricity bills/ Available but the facility has a debt of 252446.00 NIS
7	The Facility must co-finance the project and the minimum co-financing required is 25.000 € It must be cash and be transferred to the ERC bank account	Commitment letter / Not Available
8	The facility has an emergency backup system	Electrical drawing/ Not Available
9	The facility has a minimum yearly consumption of 150.000 kWh and a maximum of 500.000 kWh.	Electricity bill /Available and the Hospital yearly consumption of 752.244 kwh
10	The Facility has the capacity to guarantee the equipments are not stolen	Commitment letter/ Available
11	The Facility must sign a MoU with the ERC. In this MoU, the Facility will commit to maintaining the RE system effectively and to not to sell/lend/ remove any equipment, and will include a clause to allow the ERC to obtain any	Commitment letter/ Not Available

<sup>3</sup> In the case of MEDSOLAR the size of the plant will be between 50 and 80 kWp, which requires approximately between 800 and 1300 m<sup>2</sup> roof space

	operational data on the performance of the system through specifically installed data loggers and to do a baseline and closeline to produce “1 report on social-economic impact study for future projects”	
12	The RE system must be insured against accidental damage and robbery, and the cost of this insurance must be accrued by Facility.	Commitment letter/Available
13	The Facility has never received any funds from EU and any other donor for installation of renewable energy pilot projects	Commitment letter/Available

### 3-Additional requirements and/or obtainable points

	Requirement	Required documentation	Points obtainable Max	Points obtainable Actual
1	The facility follows the energy conservation measures	Audit report / Not Available	15%	5
2	The facility is public	Status / Public	15%	15
3	The facility has an important social role	Activities / Available	15%	14
4	The facility will carry out training activities to promote the use of renewable energy based on the pilot project	Commitment letter/ Not Available	20%	10
5	The Facility has already maintenance staff and technicians taking care of the equipments	Names of staff/ Available	15%	13
6	The Facility has never received any funds for installation of renewable energy in their institution.	Commitment letter/ Available	20%	20
	<b>Total:</b>			<b>77</b>

**Conclusion:**

According to the above results of evaluation , the ERC will be selected the Hospital of An-Najah as a target location for implementation of PV solar pilot project through the project Machrek Energy Development- Solar (MED-Solar) which is implemented under the ENPI CBC Mediterranean Sea Basin Programme.