

Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Final Public Hearing Report

Horus Tourism Resort
Cornich El-Nile, El-Minya, Egypt
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Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Final Public Hearing Report

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1 General

1.1 Introduction

A Strategic Environmental and Social Impact Assessment (SESA) for the development of renewable energy (RE) projects in a 1,725 km² area (2,200 km² during the proposal stage and before modification of the area by the Government of Egypt –GoE) located to the east of the Nile River in Egypt across the three Governorates Beni Suef, El Minya and Assiut has been carried out by the Joint Venture of Lahmeyer International and ecoda Environmental Consultants on behalf of the New Renewable Energy Authority (NREA) in Egypt.

Following the issuance of the Renewable Energy (RE) Feed-in Tariff (FiT) presidential law in Egypt in December 2014, the European Bank for Reconstruction and Development (EBRD) has been engaged in partnership with the Government of Egypt (GoE) to identify a portfolio of RE projects (from wind and solar sources) to be financed by prequalified Foreign Direct Investors (FDIs). It is expected that each project will be of 50 MW capacity.

The GoE has identified three large areas suitable for development of RE mega farms for both wind and solar projects under the newly issued FiT law including a 1,725 km² area (East Wind-1 and East Wind-2 area with building height limit of 150 m and three East Solar areas with building height limit of 5 m) located to the east of the Nile River (the "Project Area"). These areas were identified by the GoE based on existing data on solar and wind potential and existing land use. To ensure a strategic level assessment of the potential environmental and social issues associated with the development of RE projects in this area, and to inform the decision-making process for project development, the GoE, together with the NREA, have assigned a Strategic Environmental and Social Assessment (SESA) Study for the Project Area. A SESA is a systematic decision-support process that helps to ensure that environmental, social and other sustainability aspects are considered effectively in policy, plan and programme making. The SESA has been financed by the EBRD.

1.2 Public Hearing – Objectives and Approach

As part of the EEAA public consultation and disclosure requirements, the New and Renewable Energy Authority (NREA) (or their consultants) must consult and involve primary and secondary stakeholders in the planning, development, construction and operation of wind energy and solar PV power plants in the East Nile Region. This includes the requirement to hold a public consultation meeting to inform all interested parties about the main conclusions of the SESA and to receive their feedback and concerns..

The public consultation meeting (public hearing) for wind energy and solar PV projects with a total capacity around 9,600 MW (2,000 MW wind farms and 7,600 MW solar PV farms) which are located in an area of about 1,725 km² in the East Nile Region across the three governorates of Beni Suef, El Minya and Assiut was held in El Minya City on Thursday, 28th June 2018. This report details the proceedings of the meeting, including the presentations and the main content and conclusions made in the question and answer session.

The methodology adopted for the preparation and disclosure of the SESA Study was participatory and involving for the various groups of stakeholders. The views and consultations of stakeholders not only added value to the findings but also increased the sense of stakeholders' ownership to the project and involved awareness raising and capacity building for local stakeholders on technical issues of relevance to the project.

To obtain comments from the stakeholders on the drafted SESA, the Consultant arranged a Public Hearing after the preparation of the Draft SESA Reports. The Public Hearing event has been held at Horus Tourism Resort, Cornich El-Nile, El Minya, in El Minya Governorate, Egypt. The event had the primary interest of engaging wider range of relevant stakeholders and disclosing the SESA preliminary results including identified impacts and proposed mitigation measures and allowing all stakeholders the opportunity to comment on the Draft SESA Reports. The participants' feedbacks were meant to inform the final version of the SESA Reports through full consideration and incorporation of the relevant comments.

The Public Hearing invitation was publicly announced in Al-Akhbar national newspaper in Arabic on Monday, 4th June 2018 (scanned copy of the announcement is attached in Section 6.1 Annex A). This announcement contained a reference to the website of NREA and EBRD for downloading an Arabic and an English version of the Non-Technical Summary of the Draft SESA Reports and the draft Final Recommendation Report. In addition, personal invitations have been distributed to key stakeholders along with Non-Technical Summary of the Draft SESA Reports and Final Recommendation Report. Parts of the invitations have been circulated by NREA, while other parts have been circulated by the SESA Consultant. As per the requirements of EEAA, the list of proposed participants in the Public Hearing included various categories of relevance to the projects.

Arabic and English registration forms were prepared and used during the Public Hearing for documenting the lists of participants. Section 6.4 Annex D includes the translated lists of participants and the scanned registration forms of the Public Hearing. A total of around 35 participants of various affiliations participated in the Public Hearing. The stakeholders who participated in the event were governmental organizations, non-governmental organizations, media, neighbouring communities of the projects area, private sector organizations as well as consultants.

The Public Hearing was directed by highly responsible leading persons of the main parties involved in the SESA study: Representative of the Project Sponsor (EBRD, James Lea-Cox), the SESA Consultant Mr. Matthias Drosch (Lahmeyer International) and Dr. Frank Bergen (ecoda Environmental Consultants), Representative of the EEAA, Mr. Mohamed Abdullah, and Representative of NREA, Eng. Akmal Mohamed.

The Public Hearing was divided into two main sessions as indicated in the attached Agenda in section 6.5 Annex E. The first session involved the welcome speech by representatives of NREA. This was followed by a comprehensive presentation on the project overview, the applied methodology and the key findings of the SESA study by representative of the SESA Consultant, Dr. Maher Aziz. Another presentation by Dr. Maher Aziz was focussing on the specific findings and recommendations of the study. Copies of the delivered presentations are attached in section 6.8 Annex E.



Figure 1-1: Presentation of the SESA Study Findings by Dr. Maher Aziz



Figure 1-2: Dr. Aziz answers questions of the Audience

This session was followed by a 30 minutes break that has been followed by an open discussion session where all participants were invited to raise their comments and feedback on the presented information. During this session, the concerned stakeholders from governmental authorities as well as the team of consultants provided replies on the raised issues. In order to ensure efficient documentation for the participants' feedback, several tools have been employed. This included video recording and feedback sheets which have been distributed to participants to keep written records of their comments. The written feedback sheets are attached in section 6.6 Annex F.

Several raised issues have already been included in the Draft SESA Reports. Participants were invited to download and scrutinise the Draft SESA Reports and the Final Recommendation Report which were made available on the NREA'S and EBRD's websites. The other relevant comments and feedback which have been raised were considered - to the extent possible - in the final versions of the SESA Reports.

The following sections present the key issues raised during the Public Hearing event.

2 Introductory Statement

Eng. Akmal Mohamed– General Director for Studies of NREA and Representative of the Chief Executive Officer (CEO) of NREA

Eng. Akmal Mohamed welcomed the audience to the meeting and explained the NREA Authority and key principles of NREA when executing electricity generating projects and provided an indication of NREA's operation philosophy.

He said: "On behalf of the Ministry of Electricity and Renewable Energy, I welcome all of you. It is my pleasure to meet with you regarding the presentation of the Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region which focus on the development on various wind farm and solar PV Projects in the East Nile Region of Egypt. The wind and solar PV projects shall be implemented according to scenarios as proposed in the SESA to achieve the highest possible installed capacity and covers the needs of electricity demand in the area and in Egypt on a sustainable way.

Increasing renewable energy share in the energy mix of Egypt requires dedicated effort within the Government and between the Government and national and international investors. Egypt formulated a strategy to have 42 % contribution of renewable energy of the total energy demand by the year 2035.

With good co-operation between Egypt and the international and regional investors, this project will have the opportunity to be a landmark.

We believe that NREA, as part of the Ministry of Electricity and Renewable Energy, will benefit a lot from the study outcomes which will add value to the development of wind and solar PV power projects. It gives me pleasure to confirm that the Governorates of the Beni Suef, El Minya and Assiut are highly appreciating allocating as much as possible of the land eligible for accommodating clean electricity generation by wind and solar PV power and therefore is so much welcoming studies that aim to preserving ecological life and protecting nature assets. Thank you very much for coming and participating with us.

It is our pleasure to have you all with us today and hopefully your opinions, ideas, discussions and contributions will support our proposals and add valuable recommendations to the SESA study outcomes."

3 Key comments / questions during the open discussion

**QUESTION – 1: Prof. Hesham Abbass Kamel –
Director General of Planning and Follow-up,
General Secretariat of the Province**

Thank you very much for the presentation from which we greatly gained a lot of knowledge, and we have a couple of questions. Based on the information that has been given here, there is more than a question on the issue as there is a difference between the solar power and the wind power: First, which of them is less or more expensive than the other? And if this cost is less, can the power supply for a house be obtained solely from the solar power plant, and is it sufficient efficient to match lowest tariff? Then why do we have the both different wind and solar powers? Is there no solar power in the wind zone and the opposite? We want the less cost and the biggest return. The second question, we would like to know the financing details of this project and understand how the cycle is turning around.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

The funding of this project is laid upon the private sector as the government will not be contributing in any of its costs. The state does not inject its investments into these projects but is encouraging investment in Egyptian policies under the Electricity Law in 2015 which provides investors with many incentives to invest in the renewable energy. The state has also worked on the ‘tariff of nutrition’, which is the distinctive tariff where the state produces electricity kilowatt hours at 96 piasters per kilowatt hour I produce. That means if I buy from someone else, I cannot buy it for less than what I produce and sell – I buy it for 90 or 96. Then it is bought from a grand investor for 140 piaster, which is 50 piaster more than the cost, with an incentive, and that is in the ‘nutrition tariff encouragement program’ for the sale to the consumer and for the investor’s investment and profit with good returns. So if he says, I produce the kilowatts for 96 piasters, the government would buy it for 140 piasters – also 50 piasters more. That is what the government calls ‘great stimulus’ for foreign investment, and this ‘tariff’ is for home use. That means if I put a solar panel over my house instead of what I pay for the plates, I can sell the country state and gain too. This continues for a limited and specified amount of time and the state is preplanning so that there wouldn’t be any loss to it.

One of the Audience: And what about the state-controlled loan?

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

There would be no loan. The investor comes bringing his own money or he comes with the accommodating bank that would finance the project and the government would not bear the finances and for that it’s highly beneficial economically as it wouldn’t pay anything or look for a repossession. This project is laid upon the private sector so it removes a load of finances from upon the state’s shoulders that they may be saved for investments for the development of health, education, social development, industry, and agriculture at the national level according to the principle of ‘you win, we win - I make you win and win with you`.

As for the Second Part of the Question: Dr. Eng. Maher Aziz – SESA Advisor

Is it possible to run other projects in the future in the wind farms areas? The distance between each turbine is approximately 350 meters and the distance between the rows is approximately 1 kilometre, which is 1,000 meters and therefore the available spaces can also be used for solar PV. Of course, this can be done but the state in this region has specified that the total area under investigation 2,200 km², resulting in an area of 1,750 km² after excluding areas with height restrictions. This area is divided into 5 subareas (3 for the solar power generation and 2 for the wind power generation). Later in the future, new solar power plants can be established within the wind farms areas as a second step in the planning, and it is being planned to establish more solar power plants in the future within the wind power plants but the studies have not yet been exposed to this issue and is until now not concerned with it where the most suitable locations for each technology have been chosen.

Moreover, the solar power plants are still more expensive than wind power but the expenses of the solar power plants decrease much rapidly whence we were in all our expectations so much that since 2018 their expenses are close to the costs for wind power but still higher: the investment per Megawatt installed capacity for wind farms amounts to about 1 million dollars whereas the equivalent costs for solar power ranges between 1.2 to 1.4 million dollars per MW according to the type of technology as the solar power plant technologies have improved. We're speaking of different technologies, but we must use them all because they all decrease in prices and if I open the door for all options and use all applicable variables in power and reduce the power problems in Egypt, then we need to use various sources of power. Also, we have to keep in mind that we would use nuclear power even though it costs almost 4 or 5 times our regular power costs and we must use all the available choices to overcome the current power problem and this is projected to happen in not less than 20 years (with such a plan) on the future depletion of gas. This means that if we don't keep in mind today to utilise power from all sources: wind, solar, nuclear, and coal, we would fall into a dilemma like the one we have fallen in in the years 2010 and 2015.

QUESTION – 2: Prof. Shehab El-Din –

Director of Information and Decision Support Branch in the Province

The first question has been answered

You said that the State would buy from the investor with 50 piasters more than the price of the generation costs. If so, we would get into the story of who would finance such subsidies and the removal of subsidies. Thus, it would be supported by the state, and then the support would be removed from the citizen to make the citizen pay for the power with increasing prices to cover the cost between the investor and the state.

Second Question:

We, as a governorate, know of specifying million feddans of land for the wind power stations starting in the West Nile in 2008 and 2009. We have seen neither wind nor solar power plants but we don't have enough information for us as citizens, as political and social leaders to be transparent with the

citizens: is there any timetable for us to understand the current plan for producing such power especially with the nearing of the Renaissance dam problem and the lessening of the Nile river flow?

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

Thank you for your question.

**Eng. Mohammed Akmal - General Director of Environmental Studies,
New and Renewable Energy Authority (NREA)**

What is currently being done for the power plants is the state's strategic plan whose goal is to reach installed capacity of 7,000 MW by 2020 through wind farms, and we are indeed close to 2020 and what governs the outcome of these projects is funding and the private sector has the bigger role in the funding while the commission's role is to conduct seminars, set the environment, organize the studies and pave the roads. Implementation then takes its course within 20 months after getting the approval of the Project's Environmental Agency. We're preparing the land and the facilities so that there wouldn't be any adjournment and that is through studies to specify the suitable locations to set up the stations so that there wouldn't be any excuse, and these environmental studies are financed by international banks.

Dr. Eng. Maher Aziz – SESA Advisor

People are forgetting that Egypt has been through a political disruption for 4 or 5 years and as soon as conditions have settled down, the bidding was set for the investors. Framework conditions in the past have not been suitable. Not a single investor would have come to you while the people had been on top of each other and there had been murders in the streets.

General Director of Properties in the Province:

You know the environmental conditions relating to the land and you know that there is a 1.5 million feddans of land specialized for the new and renewable energy commission in Minya in 2009, which has been renewed in 2014 and 2016, these have been under productive agricultural transgressions on the land for 6 years. We would continue to attend hearings, meetings and seminars to hear you and hear the commission and the ministry and there would still be the same environmental problem. How would this land be treated with?

First of all, the ownership value of these lands, 2,200 Km² in the East and 4,200 km² in the West, is not worth 1% of the total space and no matter how much it increases it would still be very limited. Also, the Power Commission along with the Ministry of Electricity with the Province are dealing with the owners either by mutual consent or compensation.

The Minister of Electricity wants the governor to decide for the removal of 40 thousand feddans in the Western Sahara region.

The ownership problem will be solved: by mutual consent, compensation, by removal, or by any means. In all cases, these lands would be claimed even if by removal.

The ministry and local authorities in the province would claim these lands. As far as my knowledge is limited being a Consultant to the Minister of Electricity, all problems are laid upon the action table

and the 'action' of what we would do with this. The cultivated lands have already been counted and measured in centimetres. All is set and laid under consideration of choosing the most appropriate solutions: here goes mutual consent and there goes removal.

QUESTION - 3: Dr. Mohammed Moussa –

Professor of Science – El Minya University, and Consultant of El Minya Governor

You have chosen 1.5 Million feddans in the West and 0.5 million in the East. The Western 1.5 million feddans have fallen in a closed basin in which the wind farms have been established. Why on earth is there a chirp named Ghird Abu Mahariq starting from Burj Al Arab until here? There, you are opposite to the directions of the wind and that way you can never get any wind power from it while the 0.5 million Eastern feddans is excellent in the wind power.

ANSWER: Eng. Ashraf Abdel-Mageed – Consultant Engineer

I have prepared studies as I have been a Consultant to the commission for 18 years. Today, we are speaking of the East of the Nile and to stay comfortable, we need to be on the West of the Nile. The studies have shown that the regions on the west are not suitable for the wind power stations to be established and some locations have been set for 1,500 MW and 10 wind measurement stations have been installed and afterwards, 3 stations have been stolen – that is what you don't know. We installed the stations and then they get stolen after a month. After theft and trespassing people start cultivating. The winds have been measured in the studies for 2.5 years only. In the end, not all locations now have become suitable as only data for a period of 6 months are available for some sites at the Western Nile.

Political leadership has taken 1.5 million feddans, citizens turned them into an agricultural project.

Dr. Eng. Maher Aziz – SESA Advisor

There isn't an investor who would lay any investments in something that is not working.

Eng. Ashraf Abdel-Mageed – Consultant Engineer

The Commission has given a letter to the province that they do not want the rest of the land. I myself came to you to show you the decision of the President of the Republic. I will send you a photocopy of this letter so that this West of the Nile story would be closed. We are East of the Nile

QUESTION – 4: Dr. Mohammed Moussa –

Professor of Science – El Minya University, and Consultant of El Minya Governor

This is a hearing and you are here to hear us. I've been a son of Minya for 35 years, and I have taught as a teaching assistant in the mountain region, obtained my PhD about the East of Nile from Austria. When we discussed things, we all used to reach a correct point of view. When the 1.5 million feddans were brought in the discussion, we used to say that the salinity there is 1,000 and that the land is not suitable for agriculture and they use to think we are country men and did not hear us. In the end, the state wastes millions of pounds and there were no 2 feddans of wind farms out of the 1.5 million feddans.

East of the Nile is good and it is suitable for wind energy and solar energy as the hill's inclination is 260 to 360 meters about the sea level. If we add to that 150 meters, it would be 500 meters above sea level meaning that I am facing the wind coming from the North and a high meeting point for the sun making it suitable for solar energy. That means if I implement a wind farm or a solar power plant in the East it will be okay.

I have advantages in the East and that is the existence of the Assiut reservoir. There is also a line connecting the Aswan reservoir to the Krimat station – a single wire and I would reach the regional network.

Note to this: I have, from South to North, Valley Assiut, Valley Ibrahim, Valley Abu-Fasad, Valley Abu Hatab, Valley Umran Al-Bahr, Valley Al-Qabli, Valley Al-Barshawi, Valley of Worship, Valley Al-Sheikh, Valley Sinor, Valley Ghayada. All these valleys are subject to catastrophic floods every 5 years or 10 years. If we avoid these valleys I can easily get wind energy or solar energy.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

Thank you and the study has indeed indicated that these valleys should be avoided. The environmental studies cannot be done except on the environment.

QUESTION - 5: Ms. Amany Saleh

You have to keep in mind that the environmental studies are covering the areas of floods and they include a plan to counter the floods while the irrigation and water resources are being approved.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

The geomorphology and soil are studied and impact prediction is evaluated in chapter 5.2.5 of the project. No risks are expected.

**QUESTION - 6: Eng. Mohammed Abdullah -
Representative of the EEAA**

Please record all discussions, questions and answers and include them in the study.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

All discussions are recorded and will be included in the study.

**QUESTION - 7: Dr. Mohammed Moussa –
Professor of Science – El Minya University and Consultant of El Minya Governor**

Here in Minya, we wish from the investors at least one “electricity tower”. We want a change in our activities like Ben Suef: civilization means roads and power. We have roads but still no power. Let us solve the power problem correctly that we may serve the people correctly.

ANSWER: Eng. Ashraf Abdel-Mageed – Consultant Engineer

As for the West of the Nile story, I promise you that any valleys and flood reservoirs are included in the design of any plant whether it is a solar power plant or a wind power station to avoid establishing any plant on it.

As for the East of the Nile region, in a letter from the commission that has been there for 6 or 7 months, the lands which would be used for construction have been set and specified.

I was the first to bring you the President’s decision by myself and we had a discussion with your excellencies in 3 or 4 sessions in which we have mentioned our concerns for the transgressions, but no one answered our questions. We have done our part and the professor knows. We met with the General Officer the Governor and we have not been answered. We have sent letters to be supplied with some information in 2016 and they have not been answered. The commission have sent more than one letter: Assiut provided feedback and so did Beni Suef. The only one who did not provided any feedback at all was El Minya. We also collected some information by ourselves. As for the transgressions, any land, whether agriculture or quarries, it has been determined and set.

Dr. Eng. Maher Aziz – SESA Advisor

Communication can be pursued with Eng. Akmal to ensure that the letter has arrived to the Province.

Eng. Akmal Mohamed – General Director for Studies of NREA

The subject of transgressions is not in your favour or ours.

Dr. Eng. Maher Aziz – SESA Advisor

The subject of transgressions requires communication with the Province and communication with the New and Renewable Energy Authority if this letter has reached the Governor but has not reached the Executive administrator, then it must reach him.

Eng. Ahmed Tolba – New and Renewable Energy

Commission: There is a court order now for removal.

Prof. Nada Ashour - Director of the Environment Department in the Province

The location you have spoken of in the East is constantly under much complaint from the electricity company especially of the quarries dust in it. You've also mentioned that the washing of the solar cells is done by water, but what about the wind towers?

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

This issue is the responsibility of the Egyptian company for electricity transmission. They have a technique called 'cleaning insulators under voltage'. Such technique has specialized cars and work teams. This is done along the line with a fashion that has been long used and so it would be done the same way in an agreement between the investor and the Egyptian company for electricity transmission to use the same techniques and technologies.

Prof. Nada Ashour - Director of the Environment Department in the Province

As for the washing of the solar cells with water, is this economically feasible since the water in the Eastern desert is on a large distance: would a well be used? Or would the Nile Water be transported to the site? Has the economics of this been taken into consideration?

Dr. Eng. Maher Aziz – SESA Advisor

The investor is the one who would resolve the water transportation issue: from the network or a well. This will be done in cooperation with the Province, and such a strategic plan would be divided into several parts each of which would be specified according to the most suitable. The investor is the one to apply: digging a well or transporting water from the Nile, which has been done before several times in many different projects and sites and it requires the Province to take part in the plan as well as the environmental Executive along with other stakeholders. Our part, the Power Commission, is to develop implementation scenarios and contracts.

**QUESTION – 8: Professor Osama Ali - Citizens Service Office,
General Secretariat of the Province**

Is it feasible for the investment commission to start bidding in these lands as a real opportunity for investors working in the field of Power?

If you have any proposal, Mr. Governor to the Minister of Electricity, and this is great idea, for these investments to be run through the investment commission. This idea is very important so please don't disregard it.

**ANSWER: Chemist/ Amany Salah –
Studies & Research Department (NREA)**

Companies that work in the field of New and Renewable Energy are qualified and registered within the power commission. There is also a list of investors inside the commission – not any company working in the field of power has to present its own specific environmental study for the project.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

That is why we call 'communication' with the Ministry of Electricity so that we would recognize how to reach the investor and the legal path for the investor to enter such licensing and qualification because as you have preferred the mechanism of rehabilitating the investor, I ask you gratefully to address the Ministry how to register for people who would come by you.

**QUESTION - 9: Prof. Hesham Abbass Kamel, Director General of Planning and
Follow-up General Secretariat of the Province**

How would the state buy this power? I fear the matter of support.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

Prof. Amany has just grabbed my attention to such an issue: that the commission has stopped the nutrition tariff as it is the end of the nutrition tariff period and since the time specified for it is over, but do you have any idea that Germany paid for the investors 16 Billion Euros in 2013 to support the implementation of renewable energy projects. Growth of these renewable energy projects will not ensue in any country in the world except through a financial support from governments. We've gone through the tariff until the projects stabilized. The tariff order came out for only a period.

Eng. Ashraf Abdel-Mageed – Consultant Engineer

So in most large chip projects such as the cement and ceramics industries which are dealing now without support: you produce at 1.25 pounds and it is sold to him with 1 pound, why is there no support?

Dr. Eng. Maher Aziz – SESA Advisor

The last adjustment in the prices is the increase in the prices of heavy industries from 135 to 140 piasters, which is the last increase of the prices of heavy industries and this means that it removes part of the support from the citizen.

**QUESTION - 10: Professor Osama Ali - Citizens Service Office
General Secretariat of the Province**

The studies did not include the possibility of cultivating these areas because they are large areas.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

In the wind farms, you should not cultivate as you must stay away from agriculture due to the presence of migratory birds. Agriculture would attract the local birds and the migratory birds would come down, eat and live in that place which is dangerous. For this reason, we need to stay away of agriculture nearby the wind towers just as we need to stay away from the valleys.

**QUESTION - 11: Eng. Mohammed Abdullah –
General Director of Energy Department, EEAA**

There are 3 issues I would like to address:

At the beginning of the offer we are used to the special offer and that is the one in which we are informed that the reviews and researches have been carried out funded by the Construction Bank and European Investment Bank. Your excellency mentioned that the hearing is conducted in accordance with international banking standards and such international standards require that an Environmental Impact Assessment (EIA) would be carried out but not the hearing, whereas the hearing is a requirement of an Egyptian law as it has been presented on one of the slides in the lecture presentation.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

The slide will be modified because the lecture is the first one according to the 1999 regulation starting that time. As for the new regulation, it is about 155 pages on public advice.

Eng. Mohammed Abdullah –

General Director of Energy Department, EEAA

Secondly, your excellency mentioned that implementation is the best that can be done in the occupational health and safety in accordance with international requirements and standards, but you did not mention at all that this is done in accordance with the Egyptian standards and that is not right.

ANSWER: Dr. Eng. Maher Aziz – SESA Advisor

Of course not as these power stations originally are implemented in accordance with Egyptian laws and standards but I wanted to clarify that the funding would be impossible in case of trespassing any of the international laws that are much stricter than the Egyptian laws.

Eng. Mohammed Abdullah –

General Director of Energy Department, EEAA

For public consultation, according to the guide, there is a minimum extent of attendance. I claim that this hearing has not covered half of the minimum extent of attendance from the target entities according to the guide, please do review the guide, to revise if there are sufficient attendance to fulfil the requirements. Also, each project requires a specific project study, covering the transfer step (Consultants' note: transmission lines) and transformer stations which should be submitted in a separate study.

Chemist/ Amany Salah –

Studies & Research Department (NREA)

Sometimes when the project is covering more than one province, more than one hearing is held to cover all the provinces.

Eng. Akmal Mohamed– General Director for Studies of NREA

The invitations were directed by the Commission to all entities as well as a newspaper advertisement to cover the rest of the audiences.

Dr. Eng. Maher Aziz – SESA Advisor

What can excuse us from holding this hearing again is that the candidates' statements would be submitted as the executive regulation defines the bodies about 15 parties including the responsible civil associations in the province. We assured that these invitations have reached all parties and we thank Prof. Mohammed for that as we should present a list of the attendees and the advertisement that has been published.

I would also like to draw your attention that there are 3 provinces taking part in the project. All involved parties of these provinces been invited because the representation of these entities is very important and so is the communication with all of the entities. The requirements of the hearing are needed to fulfil the requirements of EEA.

Chemist/ Amany Salah – Studies & Research Department (NREA)

The law identifies 2 hearings and not one, and the first hearing could just be considered a separate meeting or a big session.

(Consultant's note: two hearings have been performed, considering scoping meeting and public hearing)

4 Arabic Summary

جنرال لواء 1

مقدمة -1.1

دراسه التقييم الاستراتيجي البيئي والاجتماعي لتطوير مشاريع الطاقة المتجددة في منطقة مساحتها 1725 كيلومتر مربع (2200 كيلومتر مربع خلال مرحلة الاقتراح وقبل تعديل المنطقة من قبل الحكومة المصرية) الواقعة إلى الشرق من نهر النيل في مصر عبر المحافظات الثلاث بني سويف ، المنيا وأسيوط قام بها تحالف استشاري الماني مكون من شركه لامير وشركه ايكودا بالنيابة عن هيئة الطاقة الجديدة والمتجددة في مصر.

بعد إصدار القانون الرئاسي لتعريفه التغذية في مجال الطاقة المتجددة في مصر في ديسمبر 2014 ، شارك البنك الأوروبي للإنشاء والتعمير في شراكة مع الحكومة المصرية لتحديد مجموعة من مشاريع 5 و7 الطاقة المتجددة (من مصادر الرياح والطاقة الشمسية) يتم تمويلها من قبل المستثمرين الأجانب المؤهلين

ومن المتوقع أن يكون كل مشروع قدرة 50 ميغاوات..

وقد حددت الحكومة المصرية ثلاث مناطق كبيرة مناسبة لتطوير وتنمية مزارع الطاقة المتجددة من مشاريع طاقة الرياح والطاقة الشمسية بموجب قانون تعريفه التغذية الموحد الصادر حديثاً ، وهذه المناطق تبلغ مساحتها 1725 كيلومتر مربع (شرق الرياح -1 ومنطقة الشرق-الرياح 2 مع اقصى حد ارتفاع 150 متراً للمباني ، وثلاث مناطق شمسي شرق ذات حد ارتفاع اقصى للبناء 5 أمتار) تقع شرق نهر النيل ("منطقة المشروع").

وتم تحديد هذه المناطق من قبل الحكومة المصرية بناءً على قاعده البيانات الموجودة لمشروعات الطاقة الشمسية وطاقة الرياح والاستخدام الحالي للأراضي. ولضمان تقييم المستوى الاستراتيجي للقضايا البيئية والاجتماعية المحتملة والمرتبطة بتطوير مشاريع الطاقة المتجددة في هذا المجال ، وإعلام صناع القرار للبدء في المشروع ، قامت الحكومة المصرية ، بالاشتراك مع هيئة الطاقة الجديدة والمتجددة ، بعمل دراسه بيئية استراتيجية و دراسة تقييم الاثر الاجتماعي لمنطقة المشروع. وهذه الدراسة هي عملية دعم لاتخاذ قرار يبين انه تم الاخذ في الاعتبار جميع الجوانب البيئية والاجتماعية وغيرها من جوانب الاستدامة بشكل فعال في السياسات والتخطيط ووضع البرامج اثناء الدراسة. تم تمويل هذه الدراسة من قبل البنك الأوروبي للإنشاء والتعمير.

1.2 – جلسة استماع عامة –

الأهداف والمنهج

كجزء من متطلبات التشاور والمناقشة العامة حسب متطلبات جهاز شئون البيئة ، يجب على هيئة الطاقة الجديدة والمتجددة (أو مستشاريها) استشارة وإشراك أصحاب المصلحة الأساسيين والثانويين في تخطيط وتطوير وبناء وتشغيل محطات طاقة الرياح والطاقة الشمسية الكهروضوئية. في منطقة شرق النيل. ويشمل ذلك اشتراط عقد اجتماع تشاوري عام لإطلاع جميع الأطراف المهتمة على النتائج الرئيسية التي إليها الدراسة وملاحظاتهم والتعليقات والإراء حول الدراسة. توصلت

الاجتماع التشاوري العام (جلسة استماع عامة) لمشروعات طاقة الرياح والطاقة الشمسية الكهروضوئية بسعة إجمالية تبلغ حوالي 9600 ميغاوات (2000 ميغاوات من طاقة الرياح و 7600 ميغاوات من الألواح الشمسية الكهروضوئية) التي تقع في منطقة تبلغ مساحتها حوالي 1725 كيلومتر مربع في منطقة شرق النيل في محافظات بني سويف والمنيا وأسيوط عقدت في مدينة المنيا يوم الخميس الموافق 28 يونيو 2018. ويتضمن هذا التقرير تفاصيل أعمال الاجتماع ، بما في ذلك العروض والمحتوى الرئيسي والاستنتاجات التي تم التوصل إليها في جلسة الأسئلة والأجوبة.

كانت المنهجية المعتمدة في إعداد وإعلان الدراسة قائمة على مشاركة جميع الاطراف وتشارك فيها مجموعات مختلفة من أصحاب المصلحة. لم تضاف آراء ومشاورات أصحاب المصلحة قيمة مضافة للنتائج فحسب ، بل زادت أيضًا من الشعور بملكية أصحاب المصلحة للمشروع وتضمنت زيادة الوعي وبناء القدرات لأصحاب المصلحة المحليين بشأن القضايا الفنية ذات الصلة بالمشروع.

للحصول على تعليقات من أصحاب المصلحة حول مشروع الدراسة ، قام الاستشاري بترتيب جلسة استماع عامة بعد إعداد مسودة وملخص لتقارير الدراسة. تم عقد جلسة الاستماع العامة في منتجع حورس السياحي - كورنيش النيل - المنيا ، في محافظة المنيا - مصر. وكان الحدث الرئيسي للاهتمام بإشراك مجموعة أوسع من أصحاب المصلحة المعنيين والكشف عن النتائج الأولية للدراسة بما في ذلك التأثيرات المحددة وتدبير التخفيف المقترحة وإتاحة الفرصة لجميع أصحاب المصلحة للتعليق على مسودة تقارير الدراسة وكان الهدف من ردود المشاركين هو اعداد النسخة النهائية لتقارير الدراسة من خلال النظر بشكل كامل ودمج التعليقات ذات الصلة والاعتماد في الاعتبار جميع الملاحظات التي ذكرت بالجلسة.

تم الإعلان عن دعوة جلسته الاستماع في جريدة الأخبار الوطنية باللغة العربية يوم الاثنين الموافق 4 يونيو 2018 (مرفق نسخة من هذا الإعلان في القسم 1.4 الملحق A). تضمن هذا الإعلان إشارة إلى موقع الويب الخاص ب هيئة الطاقة الجديدة والمتجددة و البنك الأوروبي للإنشاء والتعمير لتنزيل نسخة عربية وإنجليزية من الملخص غير الفني لمسودة تقارير الدراسة ومشروع التقرير النهائي للتوصيات. بالإضافة إلى ذلك ، تم توزيع دعوات شخصية على أصحاب المصلحة الرئيسيين بالإضافة إلى ملخص غير فني لمسودة تقارير الدراسة وتقرير التوصيات النهائي. تم توزيع أجزاء من الدعوات من قبل هيئة الطاقة الجديدة والمتجددة ، في حين تم توزيع أجزاء أخرى من قبل استشاري الدراسة وذلك وفقا لمتطلبات جهاز شئون البيئة . وتضم قائمة المشاركين المقترحين في جلسة الاستماع العامة فئات مختلفة ذات صلة بالمشاريع.

تم إعداد نماذج التسجيل باللغة العربية والإنجليزية خلال جلسة الاستماع العامة لتوثيق قوائم المشاركين. (القسم 4.4 يتضمن الملحق D القوائم المترجمة للمشاركين ونماذج التسجيل المصوره ضوئياً للجلسة العامة). وقد شارك ما مجموعه حوالي 35 مشاركاً من مختلف الانتماءات في جلسة الاستماع العامة. وكانت الجهات المعنية التي شاركت في الحدث منظمات حكومية ، ومنظمات غير حكومية ، ووسائل إعلام ، ومجتمعات محلية مجاورة لمنطقة المشاريع ، ومنظمات القطاع الخاص بالإضافة إلى الاستشاريين.

تم اداره جلسة الاستماع العامة من قبل أشخاص رئيسيين ذوي مسؤولية عالية من الأطراف الرئيسية المشاركة في الدراسة وهم : ممثل البنك الأوروبي للإنشاء والتعمير جيمس ليا كوكس) واستشاري المشروع من شركه لا ماير مهندس ماتيس دروش ود فرانك بيرجن من ايكودا استشاري هجره الطيور والدكتور محمد عبد الله ممثل جهاز شؤون البيئة وممثل هيئة الطاقة الجديدة والمتجددة م. أكمل محمد

تم تقسيم جلسة الاستماع العامة إلى دورتين رئيسيتين كما هو موضح في جدول الأعمال المرفق في القسم 4-5 المرفق اي. وقد اشتملت الجلسة الأولى على كلمة ترحيب من ممثلي هيئة الطاقة الجديدة والمتجددة. تبع ذلك عرض شامل وكذلك نظرة عامة على المشروع ، والمنهجية التطبيقية والنتائج الرئيسية للدراسة من قبل ممثل استشاري الدراسة (الدكتور ماهر عزيز) وكذلك عرض آخر للدكتور ماهر عزيز يركز على النتائج والتوصيات المحددة للدراسة. وتوجد نسخ من هذه العروض في القسم 4-8 الملحق اي.

وأعقب هذه الجلسة استراحة مدتها 30 دقيقة تليها جلسة مناقشة مفتوحة دعي فيها جميع المشاركين إلى إبداء تعليقاتهم وتعليقاتهم على المعلومات المقدمة. وخلال هذه الدورة ، قدم أصحاب المصلحة المعنيين من السلطات الحكومية وكذلك فريق الخبراء الاستشاريين ردوداً على القضايا المطروحة. من أجل ضمان توثيق فعال لملاحظات المشاركين ، تم استخدام العديد من الأدوات. ويشمل ذلك تسجيلات الفيديو وأوراق الملاحظات التي تم توزيعها على المشاركين للاحتفاظ بسجلات مكتوبة من تعليقاتهم. وتوجد صور من أوراق الملاحظات الخطية في القسم 4.6 المرفق اف

تم بالفعل إدراج العديد من القضايا التي تم طرحها في مسودة تقارير الدراسة. وقد تمت دعوة المشاركين لتنزيل التقرير وفحص مسودة تقارير الدراسة وتقرير التوصيات النهائي المتاح على مواقع هيئة الطاقة الجديدة والمتجددة و البنك الأوروبي للإنشاء والتعمير. تم النظر في التعليقات والملاحظات الأخرى ذات الصلة التي أثيرت - إلى أقصى حد ممكن - في الإصدارات النهائية لتقارير الدراسة.

تعرض الأقسام التالية القضايا الرئيسية التي أثيرت أثناء جلسه الاستماع

6 Annex

6.1 Annex A: Public Hearing Advertisement in Al-Akhbar on Monday, 4th June 2018



هيئة الطاقة الجديدة والمتجددة
تتشرف

بدعوة الجهات المعنية للمشاركة وابداء الرأي
في جلسة المشورة الجماهيرية المزمع عقدها عن
التقييم البيئي والاجتماعي الاستراتيجي لشاريع الطاقة المتجددة
(طاقة الرياح والطاقة الشمسية الفوتوفلطية) في منطقة شرق النيل

وذلك يوم الخميس ٢٨ يونيو ٢٠١٨
بقاعة مؤتمرات منتجع حورس السياحي بالمنيا - كورنيش النيل

ويمكن لراغبي الاطلاع على الملخص غير الفني بالعربية والانجليزية
ومشروع التقرير النهائي للدراسة على المواقع الالكترونية التالية:
هيئة الطاقة الجديدة والمتجددة www.nrea.gov.eg
وموقع البنك الاوروبي لاعادة الاعمار والتنمية
<http://www.ebrd.com/work-with-us/projects/tcpsd/egypt-strategic-environmental-and-social-assessment-of-renewable-energy-projects-in-the-east-nile-area.html>

م/ اكمل محمود ٠١٠٠٢٧٥٣٥٠٦
م/ اسماء ٠١٢٨٠١٣٤٠٩٤

للاستعلام:

Translation of the Advertisement

New & Renewable Energy Authority (NREA)

We've the pleasure to
invite the concerned parties to participate and express their
opinion in the Hearing Meeting to be held on the
**Strategic Study for the Assessment of the
Environmental and Social Impacts of the Project of Wind
and Solar PV in East Nile Region**

On Thursday 28.6.2018 at

**The conference hall of Horus Tourism Resort, Nile
Cornish, El Minya**

***The non-technical summary in Arabic & English and
the final draft report are available at:***

New & Renewable Energy Authority site:

www.nrea.gov.eg

European Bank for Reconstruction and

Development site:

[http://www.ebrd.com./work-with-us/projects/tcpsd/egypt-
strategic-environmental-and-social-assessment-of-
renewable-energy-projects-in-the-east-nile-area.html](http://www.ebrd.com./work-with-us/projects/tcpsd/egypt-strategic-environmental-and-social-assessment-of-renewable-energy-projects-in-the-east-nile-area.html)

For more information contact:

Eng. Akmal Mahmud Tel. 01002753506

Mrs. Asmaa: Tel. 01280134094

6.2 Annex B: Official Invitation Letters

Ministry of Electricity & Renewable Energy
New & Renewable Energy Authority
(NREA)
Dr. Ibrahim Aboulnaga St., Ext. of Abbas El Akkad St.,
Nasr City, Cairo, Egypt



وزارة الكهرباء والطاقة المتجددة
هيئة تنمية واستخدام الطاقة الجديدة والمتجددة
شارع د. إبراهيم أبو النجا - امتداد شارع عباس العقاد
حي الزهور - مدينة نصر - القاهرة

٩٧٨	رقم
/ /	تاريخ
(٤)	ملاحظات
٢٠١٨/٢/٥	توقيع

السيد /

تحية طيبة ... وبعد،،،،

أشرف بدعوة سيادتكم لحضور جلسة المشورة الجماهيرية الخاصة بالدراسة الاستراتيجية لتقييم الأثر البيئي والاجتماعي لمساحة ٢٢٠٠ كم^٢ والمخصصة للهيئة بمنطقة شرق النيل بمحافظات (بنى سويف - المنيا - أسيوط) لإنشاء مشروعات توليد الكهرباء من مصادر الطاقة المتجددة (الخلايا الشمسية الفوتولطية و طاقة الرياح) في مصر حيث تتميز بأنها من أكثر تكنولوجيات الطاقة المتجددة صداقة للبيئة، ولا تسبب أي تلوث بيئي .
وستقوم الهيئة بالتعاون مع فريق عمل المشروع و المكتب الاستشاري البيئي بعرض ومناقشة المسودة النهائية لدراسة تقييم الأثر البيئي والاجتماعي لكافة الجهات المعنية المحيطة بمنطقة المشروع.
هذا وسوف يتم عقد الاجتماع بمشيئة الله يوم الخميس الموافق ٢٨ يونيو ٢٠١٨ بقاعة مؤتمرات منتجع حورس السياحي بالمنيا - كورنيش النيل في تمام الساعة العاشرة صباحاً.

ونحن نتطلع إلي تشريف سيادتكم لحضور الاجتماع .

وتفضلوا بقبول فائق الاحترام ،،،

الرئيس التنفيذي
دكتور مهندس / محمد مصطفى الضباط

اسماء كامل
المثل
٢٠١٨
٢٠١٨

P.O.Box : 4544 Masakin Dobat - Elsaff
El-Hay El-Sades, Nasr City,Cairo
Fax : (202) 22717173 - 22717172
Tel. Switch : 22725891, 2, 3, 4

ص . ب : ٤٥٤٤ مكتب بريد مساكن ضباط الصف
الحي السادس - مدينة نصر - القاهرة
فاكس : ٢٢٧١٧١٧٣ - ٢٢٧١٧١٧٢ (٢٠٢)
٢٢٧٢٥٨٩١ ٢ ٣ ٤ ٥ ٦ ٧ ٨ ٩ ١٠ ١١ ١٢

Translation

**Ministry of Electricity & Renewable Energy
New & Renewable Energy Authority (NREA)**

Dr. Ibrahim Aboulnaga Street ext. of Abbas El Akkad Street
Nasr City – Cairo- Egypt
Our Ref. 978 –

Dear

Salutation,

I'm pleased to invite you to attend the public hearing meeting related to the Strategic Environmental and Social Impact Assessment study for the area of 2200 km² assigned to NREA in east Nile region in the Beni Suef-Minya-Assiut governorates for the establishment of projects of electricity generation from renewable energy sources (solar voltaic panels and wind turbines) given that they are environmentally friendly and causes no pollution.

NREA in cooperation with the project team and the environmental consulting office will discuss the final draft of the Strategic Environmental and Social Impact Assessment study with all interested stakeholders.

The public hearing meeting will be held, GOD willing, on Thursday 28.6.2018 at the conference hall of Horus Hotel, Minia, Nile Cornish, on 10:00 am.

We are looking forward to meet you there,
Best Regards,

CEO
Dr. Eng. Mohamed Mustafa Al Khayat

6.3 Annex C: Official Invited Stakeholders by NREA

In addition to the Advertisement in the Al-Akhbar newspaper of Monday, 4th June 2018, the following stakeholders had been invited by NREA, in collaboration with EBRD through official letters of 04-06-2018 to participate in the Public Hearing on 28th June, 2018:

#	Name	Position	Contact Details
EEAA			
1.	Eng. Mahmud Allam	Chairman of Central Administration for EIA	
2.	Mr. Mohamed Abdallah	EEAA Energy Projects General Manager	
3.	Mr. Ayman Hamada	Biological Diversity- Nature Protection Sector	
4.	Eng. Ahmed Salem	Nature Protection Sector Chairman	
Beni Suef Governorate			
5.	Eng. Sherif Habib	Beni Suef Governor	Tel: 082-2323000 Fax: 082-2322000
6.	Mr. Hamdi Mustafa Salem	Governorate Information System Manager	Tel. 0822242072
7.	General Hossam El Din Refaat	Beni Suef Governorate Secretary	Tel. 082-4400488 Fax. 082- 2243471
8.	Mrs. Noha Farag Khater	Environmental Planning Manager	Tel.082-2243465
9.	Eng.Tareq Samir Kamal	Environmental Affairs Manager	Tel. 0822352567
10.	Mrs. Sahar Saber Hassan	Information Center Manager	Tel. 082-2243472 Fax. 082-2242045
11.	Mrs. Lamia Ahmed Galal	Governorate Investment Office	Tel. 082-2242041
12.	Mr. Mohamed Attia Mursi	State Properties Manager	Tel. 082-2334220
13.	General Khaled Sayed Ahmed	Local Council Chairman	Tel. 082-2320619
14.	Mr. Adel Sayed Abdel Qader	Bebaf District Local Council Chairman	Tel. 082-4400438
15.	Mr. Mahmud Al Maghrabi	Fashn District Local Council Chairman	Tel. 082-7660853
16.	Beni-Sueif University	Beni-Sueif University – Dean Office	Fax. 082-2322000
17.	Better Life for Development and Training Association, Beni-Sueif Governorate	Better Life for Development and Training Association, Beni-Sueif Governorate	Fax. 082-2322000

El Minya Governorate			
18.	Mr. Essam El Bedewi	El Minya Governorate	Tel. 086-2343001 Fax. 086-2342764
19.	Minya Governorate Secretary	El Minya Governorate Secretary	Tel. 086-2343001 Fax. 086-2343273
20.	Mr. Ali Ahmed El Esami	Solid Waste Management Sector Chief	Tel./Fax. 086-239257 Cell. 01066107488
21.	Mr. Mohamed Abdallah	Youth Employment Department	Fax. 086-3202329
22.	Mr. Sayed Galal	Planning and Control Dept.	Tel. 086-2233111
23.	Mr. Shehab El Din Ismail	Information Center Manager	Tel. 086-2362773
24.	Mr. Mohamed Saad Hassan	Environmental Affairs Manager	Tel. 086-2326021
25.	Mr. Hesham Abbas	Governorate Planning Manager	Fax. 086-2375160
26.	Eng. Sayed El Fuly	Governorate Investors Services Dept.	Fax. 086-2319779 Cell. 01005692536
27.	Eng. Sayed Helmi	Maghagha District Local Council Chairman	Tel. 086-7550300 Fax. 086-7553345
28.	Eng. Osama Anwar	Bani Mazar District Local Council Chairman	Tel. 086-9242740
29.	General Nasr Fathi	Matai District Local Council Chairman	Tel. 086-3924600
30.	General Gamal Mubark Qenawi	Samalut District Local Council Chairman	Tel. 086-7710386
31.	Eng. Ismail Abdel Aziz	Minya District Local Council Chairman	Tel. 086-2369809
32.	Eng. Medhat Hassanein	Industrial Area Manager	Cell. 01004565005 Fax. 086-2330545
33.	Eng. Ali Maqbul	Dir Mawas District Local Council Chairman	Tel. 086-20110444 Fax: 086-2330545
34.	Eng. Mohamed Abdel Rehim	Abu Qurgas District Local Council Chairman	Tel. 086-2420655 Fax. 086-2420723
35.	El Minya University	El Minya University, Dean Office	Fax. 086- 2343273
36.	Regional Union for Associations and NGOs in El Minya Governorate	Regional Union for Associations and NGOs in El Minya Governorate	Fax. 086- 2343273

Assiut Governorate			
37.	Eng. Yasser El Disuqi	Asyut Governor	Tel. 088-2313158 Fax. 088-2325025
38.	Asyut Governorate Secretary	Asyut Governorate Secretary	Tel. 088-2313138 Fax. 088-2325025
39.	Eng. Nader Shehata	Environment Sector Manager	Cell. 01224064206 Fax. 088-2301009
40.	Mrs. Zeinab Salman	Environmental Planning Manager	Cell. 01062393094 Fax. 088-4970227
41.	Mr. Osman El Hussein	Tourist Sector Manager	Cell. 01069778438 Fax. 088-2310010
42.	Assiut University	Assiut University, Dean Office	Fax. 088-2325025
43.	Charity Association for Assiut Governorates' Sons	Charity Association for Assiut Governorates' Sons	Tel. 088-3222002
Egyptian Electricity Transmission Company			
44.	Eng. Medhat Ewis Fuda	Central Egypt Company for Electricity Distribution	Tel. 086-2346733
45.	EIA Manager of the Egyptian Company for Electricity Transportation	EIA Manager of the Egyptian Company for Electricity Transportation	
Other Parties			
46.	Orange Telecom Company representative		
47.	Vodafone Telecom Company representative		
48.	Etisalat Telecom Company representative		
49.	WE Telecom Company representative		

Further invitations were communicate via telephone, such as to environmental organizations and Bedouins settled in the surroundings of the project area.

6.4 Annex D: Lists of Participants



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)





Public Hearing on Thursday, 28 June, 2018

For the
Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel
Alminia, Egypt
Thursday 28/6/2018
Registration Form

No.	Name	Position and Firm	Email	Telephone	Signature
1	انور محمد احمد	استشاري		01222170835	
2	ميرنا عبد النور	بالاسم		0203255075	
3	محمد عبد المنعم	مهندس		01227474057	
4	عبد المنعم			01283574764	
5	محمد عبد المنعم			01205736464	
6	محمد عبد المنعم			0112002969	
7	محمد عبد المنعم			01120029150	
8	محمد عبد المنعم				



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



JV LAHMEYER INTERNATIONAL



Public Hearing on Thursday, 28 June, 2018

For the
Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel

Alminia, Egypt

Thursday 28/6/2018

Registration Form

No.	Name	Position and Firm	Email	Telephone	Signature
9	محمد عبد الحليم	مدير		0115775001	
11	James Lau-Cox	ESRD	Lau-Cox@EPCARD.com		
11	Mathias Drosch	PM, Kubernetz & Projektions	ma.Hiips.drosch@kubernetz.de		
14	محمد عبد الحليم	مدير		0115775001	
13	Ujjwal Sinha	NREA	MIN_Vedafan@engrmed_talkal.org.eg	0115775001	
13	Dr. Frank Beyrer	NREA	benget@ecoda.de	0115775001	
17	محمد عبد الحليم	مدير		0115775001	
14	محمد عبد الحليم	مدير	Mohamed.Nadour@ecoda.de	01067344517	
				01006655676	



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



JV LAI - ecoda

2

Public Hearing on Thursday, 28 June, 2018

For the

Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel

Alminia, Egypt

Thursday 28/6/2018

Registration Form

No.	Name	Position and Firm	Email	Telephone	Signature
١٥	محمد عبد الحفيظ	مدير مشروع EFAA		٠١٤٦٠٠٩٨٠٢	[Signature]
١٩	محمد عبد الحفيظ	مدير مشروع EFAA		٠١٥٥٠٠٧٧٧	[Signature]
٢٠	محمد عبد الحفيظ	مدير مشروع EFAA	mingo@nicfield.com	٠١٠٦٧٧٧٧٧	[Signature]
٢١	محمد عبد الحفيظ	مدير مشروع EFAA	original	٠١٠٦٧٧٧٧	[Signature]
٢٢	محمد عبد الحفيظ	مدير مشروع EFAA		٠١٠٦٧٧٧٧	[Signature]
٢٣	محمد عبد الحفيظ	مدير مشروع EFAA	amr@nicfield.com	٠١٠٦٧٧٧٧	[Signature]
٢٤	محمد عبد الحفيظ	مدير مشروع EFAA		٠١٠٦٧٧٧٧	[Signature]
٢٥	محمد عبد الحفيظ	مدير مشروع EFAA		٠١٠٦٧٧٧٧	[Signature]
٢٦	محمد عبد الحفيظ	مدير مشروع EFAA		٠١٠٦٧٧٧٧	[Signature]

شركة
الشرق الأوسط
مشاريع
الطاقة المتجددة



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



JV - ecoda

3

Public Hearing on Thursday, 28 June, 2018

For the
Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel

Alminia, Egypt

Thursday 28/6/2018

Registration Form

No.	Name	Position and Firm	Email	Telephone	Signature
٢٧	Fayay Mohamed Farag	manager of EFA Alminia		0100934657	
٢٨	دييوس او سوسا	مدير ادارة مشاريع	haleika@ghoo.com	01021483655	
٢٩	اسمى زهنا محمد	مدير ادارة مشاريع		01009867080	
٣٠	محمد احمد محمد	مدير ادارة مشاريع		01009867080	
٣١	محمد احمد محمد	مدير ادارة مشاريع		01009867080	
٣٢	محمد احمد محمد	مدير ادارة مشاريع		01009867080	
٣٣	محمد احمد محمد	مدير ادارة مشاريع		01009867080	
٣٤	محمد احمد محمد	مدير ادارة مشاريع		01009867080	
٣٥	محمد احمد محمد	مدير ادارة مشاريع		01009867080	

Translation

<p align="center">Public Hearing for Strategic Environmental and Social Assessment (SESA) of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt) Horus Tourism Resort, Corniche El-Nile, El Minya, Egypt, Thursday 28.06.2018</p> <p align="center">Registration Form</p> <p align="right">Sheet 1</p>				
No.	Name	Job Title	e-mail	Phone No.
1.	Ahmed Abdel Majeed	Consultant		01222170835
2.	Merna Essam	Tourism		012003255015
3.	Hani Abdel Ghani			01227474057
4.	Yaser Hamed Abdel Badeeh			01283524764
5.	Mohamed Negem			01205736464
6.	Yehia Rashed	Minya governorate		01116254949
7.	Mustafa Selim	Minya governorate		01128391042
8.	Mohamed Hassan	Minya governorate		

<p align="center">Public Hearing for Strategic Environmental and Social Assessment (SESA) of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt) Horus Tourism Resort, Corniche El-Nile, El Minya, Egypt, Thursday 28.06.2018</p> <p align="center">Registration Form</p> <p align="right">Sheet 2</p>				
No.	Name	Job Title	e-mail	Phone No.
9.	Ahmed Mohamed Yassin	Policeman		0112633551
10.	James Lea Cox	EBRD		
11.	Matthias Drosch	Lahmeyer International		
12.	Mohamed Akmal Mahmud	Studies Manager - NREA		0112753506
13.	Nina Ramzi	NREA		01004781959
14.	Ahmed Al Sayed	NREA		01063156570
15.	Dr. Frank Bergen	Ecoda Environmental Consultants		+49-1782094158
16.	Ibrahim Gaber	Minia telecom		01067344537
17.	Mohamed kamel Mustafa	Minia governorate		01006655676

**Public Hearing for Strategic Environmental and Social Assessment (SESA)
of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)
Horus Tourism Resort, Corniche El-Nile, El Minya, Egypt, Thursday 28.06.2018**

Registration Form

Sheet 3

No.	Name	Job Title	e-mail	Phone No.
18.	Mohamed AbdAllah	EEAA		01146009804
19.	Talaat Hagag			01055007770
20.	Shehab El Din Mohamed	Minia governorate		01006720891
21.	Hesham Abbas	Planning manger		01006340616
22.	Maha Ibrahim	Physician		01068214647
23.	Ahmed	NREA		01120000605
24.	Sedqi Munir			01224570570
25.	Dr. Nada Ashur	Environmental manager		01007301936
26.	Lamia Hashem	EIA manager – Minia		01001496606

**Public Hearing for Strategic Environmental and Social Assessment (SESA)
of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)
Horus Tourism Resort, Corniche El-Nile, El Minya, Egypt, Thursday 28.06.2018**

Registration Form

Sheet 4

No.	Name	Job Title	e-mail	Phone No.
27.	Farag Mohamed Farag	EEAA		01000934657
28.	Dr. Mohamed Mussa	Consultant		
29.	Asmaa Mohamed Ali	Planning Manager		01021483655
30.	Nada Radi Mohamed			01003867080
31.	Mohamed Abdel Satar	NREA		0105730578
32.	Osama Abdel Badeeh	Investment office		01010557535
33.	Mohamed Ali			
34.	Amer Mohamed	Minia governorate		
35.	Atef Ali Mohamed	Minia governorate		01090337810

6.5 Annex E: Public Hearing Agenda



Ministry of Electricity & Renewable Energy
New and Renewable Energy Authority



JV



**Public Hearing for Strategic Environmental and Social Assessment (SESA)
of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)
Horus Tourism Resort – Corniche El-Nile, El Minya, Thursday 28.06.2018**

Time Table for the Public Hearing Session

The attendees were representatives of investors, developers, governmental officials, citizens and stakeholders as shown in the Invitees and Attendees Tables.

Time	Activity	Speaker
9:00 – 10:00	Registration	
10:00 – 10:30	Welcome Speech	NREA representative EEAA representative EBRD representative SESA Consultant representative, (JV LI & ecoda)
10:30-11:30	Overview of the project Arabic presentation of the main finding and conclusions of the SESA for Wind Energy Projects Questions / Answer with regards to the SESA Wind Report	Dr. Maher Aziz, SESA Consultant
11:30– 11:45	Coffee Break	
11:45 – 12:30	Overview of the project Arabic presentation of the main finding and conclusions of the SESA for Solar Energy Projects Questions / Answer with regards to the SESA Wind Report	Dr. Maher Aziz, SESA Consultant
12:30 – 12:45	Presentation of identified areas for wind and solar energy planning	Mr. Drosch, SESA Consultant
12:30– 13:00	Lunch and informal exchange	
13:45 – 14:15	Final conclusions and recommendations	Dr. Maher Aziz, SESA Consultant
14:15– 15:15*	Open discussion	Dr. Maher Aziz, SESA Consultant (moderator)
15:15– 15:30	Synopsis and end PH	Dr. Maher Aziz, SESA Consultant

* if required the open discussion in the afternoon can even be extended.

6.6 Annex F: Notes and Comments by the Attendees

 Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



  

Public Hearing on Thursday, 28 June, 2018

For the
Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel
Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional)..... *Osama Ali Badi*

Position and Organization (optional)..... *Minia investors office*

Mobile (optional)..... *01010557535*

Email (optional)..... *Miniainvestorsoffice@gmail.com*

Your comments and suggestions

*أنا سعيد جداً بالعرض الذي تم تقديمه في هذا الاجتماع
وأنه سيكون له أثر إيجابي كبير على التنمية الاقتصادية في المنطقة*

Please submit your comments' sheet to the consultant to include your views in the study

 Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



  

Public Hearing on Thursday, 28 June, 2018

For the
Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel
Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional)..... *Farag Mahamed Farag*

Position and Organization (optional)..... *manager of works of SEEA Alminia*

Mobile (optional)..... *01002934667*

Email (optional).....

Your comments and suggestions

No Comment, it's good presentation

Please submit your comments' sheet to the consultant to include your views in the study



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



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For the
Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel

Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional)..... Lamiaa Shaikhon Nashem
Position and Organization (optional)..... Environmental affairs agency
Mobile (optional)..... 0100 14 96 606
Email (optional)..... lamiaa.shaikhon@yahoo.com

Your comments and suggestions

Excellent Presentation

Please submit your comments' sheet to the consultant to include your views in the study



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



Public Hearing on Thursday, 28 June, 2018

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Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional).....
Position and Organization (optional).....
Mobile (optional).....
Email (optional).....

Your comments and suggestions

افضل لم يسمعنا
الطلب من اولى جهات العمل

Please submit your comments' sheet to the consultant to include your views in the study



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



Public Hearing on Thursday, 28 June, 2018

For the
Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel

Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional)..... دكتور محمد عبد الله

Position and Organization (optional).....

Mobile (optional)..... 01025054774

Email (optional)..... abdullah@ecoda.com

Your comments and suggestions

هذا العمل من أجل التنمية المستدامة
و هو اتجاه مشروع جيد يجب تسريع العمل

Please submit your comments' sheet to the consultant to include your views in the study



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



Public Hearing on Thursday, 28 June, 2018

For the
Strategic Environmental and Social Assessment of Renewable Energy Projects (Wind and Solar PV) in the East Nile Region (Arab Republic of Egypt)

Hours Hotel

Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional)..... hady said Abd Elghany nren

Position and Organization (optional).....

Mobile (optional)..... 0122-7474057

Email (optional)..... hady.s.61@yahoo.com 01227474057

Your comments and suggestions

لذا نقترح 3 مراحل واما المرحلة الاولى
فانها 1.7 فاكتر والاشارة
على 3.2 والاشارة على 3.8 وعلى العوازل او كواحل
تقوية اعمال المنزلة
القدرة في الثلاث مراحل

Please submit your comments' sheet to the consultant to include your views in the study



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



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Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional).....hany said Abdelghany mamen

Position and Organization (optional).....مؤيد لانتشار مشاريع الطاقة المتجددة

Mobile (optional).....019227474057

Email (optional).....019227474057

Your comments and suggestions

كيف يمكن تحسين التقويم البيئي ومعايير التقييمات والبيانات المقدمة للعامل
المعقول على وكيفية التعامل

Please submit your comments' sheet to the consultant to include your views in the study



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



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Thursday 28/6/2018

Name of Participants (optional).....د. هلايكه حسن أبو حليمة أبو لعل

Position and Organization (optional).....الاستشارية الجيولوجية للمناخ

Mobile (optional).....01288169854

Email (optional).....helaika@yahoo.com

Your comments and suggestions

بوجد صاحة ١٥ مليون ونصف فدان مهمة للطاقة الحيوية منها مليون فدان من المراير
التي سيتم الاتصاف لوجدها من هوف ترسيمات فلافه اما نصف مليون مترم ابليل واطها
يصلح لانتاج الطاقة الشمسية اذا تم عمل دراسه جيولوجية كدروييه توضح اماكن
العصفه الجريه وشحنته اماكن الوديه. وظهرها لوجدها خط ربط كهربائي من الشرفه
ولا بد من إعادة الدراسة في اختيار اماكن وضع ويتم التوفير الخاصة ايك نصف
مليون فدان من الشرفه.



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



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Hours Hotel

Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional)..... *Maha Mohamed Mohamed*
Position and Organization (optional)..... *E.I.T. Minia*
Mobile (optional)..... *01068214627*
Email (optional).....

Your comments and suggestions

*I want to know when these projects will be finished?
and I want to know the costs regarding to the
poor people and middle societies.*

Please submit your comments' sheet to the consultant to include your views in the study



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



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Name of Participants (optional)..... *Nada Ashour Abd-Elzaker*
Position and Organization (optional)..... *Manager of E.M.U. Minia Governorate*
Mobile (optional)..... *01007301936*
Email (optional)..... *dr.bisnada2004@yahoo.com*

Your comments and suggestions

** اتصال توالف بين جميع الجهات المختصة بالمشروع من اجل التنسيق بين
الجهات المعنية بالمشروع (البلدية والقطاع الخاص والقطاع الحكومي) وذلك
من اجل ايجاد حلول للمشاكل التي تواجهها المجتمعات المحلية في المنطقة*

Please submit your comments' sheet to the consultant to include your views in the study

** دمج الجوانب التنموية بالمشروع من اجل تنمية المجتمعات المحلية في المنطقة
المستهدفة من المشروع. ايجاد حلول للمشاكل التي تواجهها المجتمعات المحلية في المنطقة*



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



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Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional) Mohamed Nader Kamel
Position and Organization (optional) WE2 - Customer Care
Mobile (optional) 01550158777
Email (optional) Mohamed.Nader@ke.eg

Your comments and suggestions

Best regards and good luck

Please submit your comments' sheet to the consultant to include your views in the study



Ministry of Electricity and Energy
New and Renewable Energy Authority (NREA)



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Alminia, Egypt

Thursday 28/6/2018

Name of Participants (optional) Wael Mohamed Abass
Position and Organization (optional) WE2 - Manager of Media exchange
Mobile (optional) 01550155995
Email (optional) Wael.abass@ke.eg

Your comments and suggestions

Best W @ good luck

Please submit your comments' sheet to the consultant to include your views in the study

Translation

Participants' Comments

Name of the Participant (optional): Osama Ali Bayumi

Position and Organization (optional): Minya Investors Office

Mobile (optional): 01010557535

Email (optional): miniainvestorsoffice@gmail.com

Your Comments and suggestions: The invitation of the investors in the field of energy to attend this meeting is a good promotional tool.

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Farag Mohamed Farag

Position and Organization (optional): EEAA Minia Branch Manager

Mobile (optional): 01000934657

Email (optional):

Your Comments and suggestions: No comment, it was a good presentation.

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Lamiaa Shaikhon Hashem

Position and Organization (optional): EEAA

Mobile (optional): 01001496606

Email (optional): lamiaashakhon@yahoo.com

Your Comments and suggestions: Excellent presentation.

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Yehia Rashed Shehata

Position and Organization (optional): Minya Governorate

Mobile (optional): 01001496606

Email (optional):

Your Comments and suggestions: These projects will offer many employment opportunities for the people of Assiut and Upper Egypt.

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Yaser Gaber Abdel Badeeh AbdAllah

Position and Organization (optional): Minia Governorate

Mobile (optional): 01283522764

Email (optional):

Your Comments and suggestions: These projects will offer many employment opportunities for the people of Upper Egypt.

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Hani Said Abdel Ghani

Position and Organization (optional):

Mobile (optional): 01227474057

Email (optional):

Your Comments and suggestions: Why the project is divided into 3 stages: 16, 34 & 38?

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Hani Said Abdel Ghani

Position and Organization (optional): Malawi Educational Department

Mobile (optional): 01227474057

Email (optional):

Your Comments and suggestions: How can people apply for work in these projects?

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Dr. Mohamed Mussa Abu El Elaa

Position and Organization (optional): Governorate geological advisor

Mobile (optional): 01288169854

Email (optional): heleika@yahoo.com

Your Comments and suggestions: There are 1.5 million acres assigned for energy generation, of which 1 million acre in the Western Desert which can be considered unsuitable. The 0.5 million acres in the East of the Nile can be used for solar energy stations after a geological study which indicates the locations of the wadis to be avoided. The study must be repeated again to determine the suitable locations for solar and wind energy projects.

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Maha Mahmud Mohamed

Position and Organization (optional): Minia governorate

Mobile (optional): 01068214647

Email (optional):

Your Comments and suggestions: I want to know when these projects will be completed and I want to know the impact on the low and middle class people.

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Nada Ashour Abdel Zaher

Position and Organization (optional): Minia governorate

Mobile (optional): 01007301936

Email (optional): dr_bionada2004@yahoo.com

Your Comments and suggestions: There is a possibility of accumulating of the quarries dust on the solar panels and wind turbines and therefore they must regularly be washed with water. What is the source of water, its quantity and cost of transporting it to the projects sites? How can we integrate the environmental study with the economic feasibility study, so we can attract investors?

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Mohamed Nader

Position and Organization (optional): Minia governorate

Mobile (optional): 015500158777

Email (optional): Mohamed.nader@te.eg

Your Comments and suggestions: Best regards and good luck.

Please submit your comments' sheet to the consultant to include your views in the study.

Name of the Participant (optional): Wael Mohamed Abbas

Position and Organization (optional): Manager of Minia Exchange

Mobile (optional): 01550155995

Email (optional): wael.abbas@te.eg

Your Comments and suggestions: Best regards and good luck.

Please submit your comments' sheet to the consultant to include your views in the study.

6.7 Annex G: Selected Photos







6.8 Annex H: Copy of the Delivered Presentations (on separate USB Stick)