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**LOAN NUMBER 7895-EG**

# **Loan Agreement**

**(Giza North Power Project)**

**between**

**ARAB REPUBLIC OF EGYPT**

**and**

**INTERNATIONAL BANK FOR RECONSTRUCTION  
AND DEVELOPMENT**

**Dated November 4, 2010**

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## **LOAN NUMBER 7895-EG**

### **LOAN AGREEMENT**

Agreement dated November 4, 2010, between ARAB REPUBLIC OF EGYPT (“Borrower”) and INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT (“Bank”). The Borrower and the Bank hereby agree as follows:

#### **ARTICLE I - GENERAL CONDITIONS; DEFINITIONS**

- 1.01. The General Conditions (as defined in the Appendix to this Agreement) constitute an integral part of this Agreement.
- 1.02. Unless the context requires otherwise, the capitalized terms used in this Agreement have the meanings ascribed to them in the General Conditions or in the Appendix to this Agreement.

#### **ARTICLE II - LOAN**

- 2.01. The Bank agrees to lend to the Borrower, on the terms and conditions set forth or referred to in this Agreement, the amount of six hundred million United States Dollars (US\$600,000,000), as such amount may be converted from time to time through a Currency Conversion in accordance with the provisions of Section 2.07 of this Agreement (the “Loan”), to assist in financing the project described in Schedule 1 to this Agreement (the “Project”).
- 2.02. The Borrower may withdraw the proceeds of the Loan in accordance with Section IV of Schedule 2 to this Agreement. The Borrower’s Representative for purposes of taking any action required or permitted to be taken pursuant to this Section is the Project Implementing Entity, the Egyptian Electricity Holding Company (EEHC).
- 2.03. The Front-end Fee payable by the Borrower shall be equal to one quarter of one percent (0.25%) of the Loan amount. The Borrower shall pay the Front-end Fee not later than sixty (60) days after the Effective Date.
- 2.04. The interest payable by the Borrower on the principal amount of the Loan withdrawn and outstanding from time to time, for each Interest Period shall be at a rate equal to LIBOR for the Loan Currency plus the Variable Spread; provided, that upon a Conversion of all or any portion of the principal amount of the Loan, the interest payable by the Borrower during the Conversion Period on such

amount shall be determined in accordance with the relevant provisions of Article IV of the General Conditions.

- 2.05. The Payment Dates are June 1 and December 1 in each year.
- 2.06. The principal amount of the Loan shall be repaid in accordance with the amortization schedule set forth in Schedule 3 to this Agreement.
- 2.07.
  - (a) The Borrower may at any time request any of the following Conversions of the terms of the Loan in order to facilitate prudent debt management: (i) a change of the Loan Currency of all or any portion of the principal amount of the Loan, withdrawn or unwithdrawn, to an Approved Currency; (ii) a change of the interest rate basis applicable to all or any portion of the principal amount of the Loan withdrawn and outstanding from a Variable Rate to a Fixed Rate, or vice versa; and (iii) the setting of limits on the Variable Rate applicable to all or any portion of the principal amount of the Loan withdrawn and outstanding by the establishment of an Interest Rate Cap or Interest Rate Collar on the Variable Rate.
  - (b) Any conversion requested pursuant to paragraph (a) of this Section that is accepted by the Bank shall be considered a “Conversion”, as defined in the General Conditions, and shall be effected in accordance with the provisions of Article IV of the General Conditions and of the Conversion Guidelines.
  - (c) Promptly following the Execution Date for an Interest Rate Cap or Interest Rate Collar for which the Borrower has requested that the premium be paid out of the proceeds of the Loan, the Bank shall, on behalf of the Borrower, withdraw from the Loan Account and pay to itself the amounts required to pay any premium payable in accordance with Section 4.05 (c) of the General Conditions up to the amount allocated from time to time for the purpose in the table in Section IV of Schedule 2 to this Agreement.
- 2.08. The Borrower represents that it has designated its Ministry of Finance for the purpose of handling on behalf of the Borrower, debt service payments with respect of the Loan.

### **ARTICLE III - PROJECT**

- 3.01. The Borrower declares its commitment to the objectives of the Project. To this end, the Borrower shall cause the Project to be carried out by the Project Implementing Entity (EEHC) in accordance with the provisions of the Project Agreement and Article V of the General Conditions.
- 3.02. Without limitation upon the provisions of Section 3.01 of this Agreement, and except as the Borrower and the Bank shall otherwise agree, the Borrower shall ensure that the Project is carried out in accordance with the provisions of Schedule 2 to this Agreement.

### **ARTICLE IV- EFFECTIVENESS; TERMINATION**

- 4.01. This Agreement shall become effective once the Bank has received evidence that all necessary constitutional procedures have been taken by the Borrower in accordance with the provisions of Section 9.01 of the General Conditions.
- 4.02. The Additional Condition of Effectiveness is that the Subsidiary Loan Agreement has been entered into between the Borrower and the Project Implementing Entity.
- 4.03. The Additional Legal Matter is that the Subsidiary Loan Agreement has been duly authorized by the Borrower and the Project Implementing Entity and is legally binding upon the Borrower and the Project Implementing Entity in accordance with its terms.
- 4.04. The Effectiveness Deadline is the date one hundred and eighty (180) days after the date of this Agreement, or such later date established by the Bank in accordance with Section 9.04 of the General Conditions.

### **ARTICLE V - REPRESENTATIVE; ADDRESSES**

- 5.01. The Minister of International Cooperation of the Borrower and the Assistant to the Minister for International, Regional and Arab Financing Organizations of the Ministry of International Cooperation of the Borrower are severally designated as representatives of the Borrower.

5.02. The Borrower's Address is:

Ministry of International Cooperation  
8 Adly Street,  
Cairo, Arab Republic of Egypt

Cable address:

Ministry of International Cooperation  
Cairo, Arab Republic of Egypt

Facsimile:

(202) 2391-2815  
(202) 2391-5167

5.03. The Bank's Address is:

International Bank for Reconstruction and Development  
1818 H Street, N.W.  
Washington, D.C. 20433  
United States of America

Cable address:	Telex:	Facsimile:
INTBAFRAD Washington, D.C.	248423(MCI) or 64145(MCI)	1-202-477-6391

AGREED at Cairo, Arab Republic of Egypt, as of the day and year first above written.

ARAB REPUBLIC OF EGYPT

By /s/ Fayza Abounaga  
Authorized Representative

INTERNATIONAL BANK FOR  
RECONSTRUCTION AND DEVELOPMENT

By /s/ Shamshad Akhtar  
Authorized Representative

## **SCHEDULE 1**

### **Project Description**

The objective of the Project is to contribute to improving the security and efficiency of electricity supply within the Borrower's territory by adding new generation capacity based on efficient thermal power generation technology.

The Project consists of the following parts:

#### **Part A: The Giza North Power Plant**

1. Design, construction and commissioning of a combined cycle gas turbine power plant at Giza North with a total installed capacity of 1,500 MW to be fueled by natural gas and by light diesel oil on a back-up basis. The power plant design includes two identical 750-MW modules comprised of two 250-MW gas turbines (with an electricity generator for each turbine), two multi-pressure heat-recovery steam generators, and one 250-MW steam turbine driving an electricity generator. Auxiliary equipments include step-up transformers, a switchyard, and other required auxiliary systems.
2. Construction of: (a) transmission lines to connect the said power plant to the national transmission grid; and (b) a gas pipeline to connect the said power plant to the gas pipeline system to secure adequate supply of gas for sustainable operation of the power plant.

#### **Part B: Support for the Energy Sector**

Provision of technical assistance for inter alia: (1) promoting private sector investment in electricity generation; (2) developing the Borrower's medium to long term strategy to attract private sector investment in the Borrower's power sector; and (3) promoting energy efficiency.

## SCHEDULE 2

### Project Execution

#### Section I. Implementation Arrangements

##### A. **Subsidiary Loan Agreement**

1. To facilitate the carrying out of the Project, the Borrower shall make the proceeds of the Loan available to the Project Implementing Entity under a subsidiary loan agreement between the Borrower and the Project Implementing Entity, under terms and conditions satisfactory to the Bank, which shall include, *inter alia*, the following: (i) repayment of principal, and payment of interest, charges and premium in accordance with Article II of this Agreement and Article III of the General Conditions; (ii) payment of any other charges which may be required by the Borrower; and (iii) foreign exchange risk to be borne by the Project Implementing Entity (“Subsidiary Loan Agreement”).
2. The Borrower shall exercise its rights under the Subsidiary Loan Agreement in such manner as to protect the interests of the Borrower and the Bank and to accomplish the purposes of the Loan. Except as mutually agreed upon between the Borrower and the Bank, the Borrower shall not assign, amend, abrogate or waive the Subsidiary Loan Agreement or any of its provisions.
3. The Borrower shall cause the Project Implementing Entity to carry out the Project pursuant to the provisions of the Guidelines on Preventing and Combating Fraud and Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants, dated October 15, 2006.

##### B. **Safeguards**

The Borrower shall cause the Project Implementing Entity to ensure that remedial measures are taken during the implementation and operation of the Project in accordance with the provisions set forth in the ESMP and the RPF.

#### Section II. Project Monitoring Reporting and Evaluation

##### A. **Project Reports**

The Borrower shall cause the Project Implementing Entity, to monitor and evaluate the progress of the Project and prepare Project Reports in accordance with the provisions of Section 5.08 of the General Conditions and on the basis of the indicators agreed with the Bank. Each Project Report shall cover the period of one calendar semester, and shall be furnished to the Bank not later than forty five days (45) after the end of the period covered by such report.

**B. Financial Management, Financial Reports and Audits**

1. The Borrower shall, through the Project Implementing Entity, maintain or cause to be maintained a financial management system in accordance with the provisions of Section 5.09 of the General Conditions.
2. Without limitation on the provisions of Part A of this Section, the Borrower shall cause the Project Implementing Entity to prepare and furnish to the Bank not later than forty five (45) days after the end of each calendar quarter, interim unaudited financial reports for the Project covering the quarter, in accordance with the provisions of Section 5.09 of the General Conditions.
3. The Borrower shall cause the Project Implementing Entity to have the Financial Statements related to the Project audited in accordance with the provisions of Section 5.09(b) of the General Conditions. Each audit of the Financial Statements shall cover the period of one fiscal year of the Project Implementing Entity. The audited Financial Statements for each such period shall be furnished to the Bank not later than six (6) months after the end of such period.

**Section III. Procurement**

Except as the Bank shall otherwise agree, procurement of the works and goods required for the Project and to be financed out of the proceeds of the Loan shall be governed by the provisions of the Schedule to the Project Agreement.

**Section IV. Withdrawal of Loan Proceeds**

**A. General**

1. The Borrower may, through the Project Implementing Entity, withdraw the proceeds of the Loan in accordance with the provisions of Article II of the General Conditions, this Section, and such additional arrangements as the Bank shall specify by notice to the Borrower (including the “World Bank Disbursement Guidelines for Projects” dated May 2006, as revised from time to time by the Bank and as made applicable to this Agreement pursuant to such arrangements), to finance Eligible Expenditures as set forth in the table in paragraph 2 below.
2. The following table specifies the categories of Eligible Expenditures that may be financed out of the proceeds of the Loan (“Category”), the allocation of the amounts of the Loan to each Category, and the percentage of expenditures to be financed for Eligible Expenditures in each Category.

<b>Category</b>	<b>Amount of the Loan Allocated (expressed in USD)</b>	<b>Percentage of Expenditures to be Financed</b>
(1) Works	75,000,000	100%
(2) Goods	510,000,000	100%
(3) Premia for Interest Rate Caps and Interest Rate Collars	-0-	Amount due under Section 2.07 (c) of this Agreement
(4) Unallocated	15,000,000	
<b>TOTAL AMOUNT</b>	<u><b>600,000,000</b></u>	

**B. Withdrawal Conditions; Withdrawal Period**

1. Notwithstanding the provisions of Part A of this Section, no withdrawal shall be made:
  - (a) from the Loan Account until the Bank has received payment in full of the Front-end Fee; or
  - (b) for payments made prior to the date of this Agreement.
2. The Closing Date is June 30, 2015.

**SCHEDULE 3**

**Amortization Schedule**

1. The following table sets forth the Principal Payment Dates of the Loan and the percentage of the total principal amount of the Loan payable on each Principal Payment Date (“Installment Share”). If the proceeds of the Loan have been fully withdrawn as of the first Principal Payment Date, the principal amount of the Loan repayable by the Borrower on each Principal Payment Date shall be determined by the Bank by multiplying: (a) Withdrawn Loan Balance as of the first Principal Payment Date; by (b) the Installment Share for each Principal Payment Date, such repayable amount to be adjusted, as necessary, to deduct any amounts referred to in paragraph 4 of this Schedule, to which a Currency Conversion applies.

<b>Principal Payment Date</b>	<b>Installment Share (Expressed as a Percentage)</b>
On each June 1 and December 1  Beginning June 1, 2017 through December 1, 2037	2.33%
On June 1, 2038	2.14%

2. If the proceeds of the Loan have not been fully withdrawn as of the first Principal Payment Date, the principal amount of the Loan repayable by the Borrower on each Principal Payment Date shall be determined as follows:
- (a) To the extent that any proceeds of the Loan have been withdrawn as of the first Principal Payment Date, the Borrower shall repay the Withdrawn Loan Balance as of such date in accordance with paragraph 1 of this Schedule.
  - (b) Any amount withdrawn after the first Principal Payment Date shall be repaid on each Principal Payment Date falling after the date of such withdrawal in amounts determined by the Bank by multiplying the amount of each such withdrawal by a fraction, the numerator of which is the original Installment Share specified in the table in paragraph 1 of this Schedule for said Principal Payment Date (“Original Installment Share”) and the denominator of which is the sum of all remaining Original Installment Shares for Principal Payment Dates falling on or after such date, such amounts repayable to be adjusted, as necessary, to deduct any

amounts referred to in paragraph 4 of this Schedule, to which a Currency Conversion applies.

3. (a) Amounts of the Loan withdrawn within two calendar months prior to any Principal Payment Date shall, for the purposes solely of calculating the principal amounts payable on any Principal Payment Date, be treated as withdrawn and outstanding on the second Principal Payment Date following the date of withdrawal and shall be repayable on each Principal Payment Date commencing with the second Principal Payment Date following the date of withdrawal.
  - (b) Notwithstanding the provisions of sub-paragraph (a) of this paragraph, if at any time the Bank adopts a due date billing system under which invoices are issued on or after the respective Principal Payment Date, the provisions of such sub-paragraph shall no longer apply to any withdrawals made after the adoption of such billing system.
4. Notwithstanding the provisions of paragraphs 1 and 2 of this Schedule, upon a Currency Conversion of all or any portion of the Withdrawn Loan Balance to an Approved Currency, the amount so converted in the Approved Currency that is repayable on any Principal Payment Date occurring during the Conversion Period, shall be determined by the Bank by multiplying such amount in its currency of denomination immediately prior to the Conversion by either: (i) the exchange rate that reflects the amounts of principal in the Approved Currency payable by the Bank under the Currency Hedge Transaction relating to the Conversion; or (ii) if the Bank so determines in accordance with the Conversion Guidelines, the exchange rate component of the Screen Rate.
5. If the Withdrawn Loan Balance is denominated in more than one Loan Currency, the provisions of this Schedule shall apply separately to the amount denominated in each Loan Currency, so as to produce a separate amortization schedule for each such amount.

## APPENDIX

### Section I. Definitions

1. “Category” means a category set forth in the table in Section IV of Schedule 2 to this Agreement.
2. “Co-financier” means, respectively, the European Investment Bank (EIB) and the Organization of Petroleum Exporting Countries Fund for International Development (OFID), referred to in paragraph 15 of the Appendix to the General Conditions.
3. “Co-financing” means, respectively, an amount of US\$307,000,000 from EIB and an amount of US\$30,000,000 from the OFID, to be provided by the respective Co-financier to assist in financing the Project.
4. “Co-financing Agreement” means the agreement to be entered into between the Borrower and each Co-financier providing for the Co-financing. Each Cofinancing Agreement is expected to have become effective by not later than December 31, 2011.
5. “Environmental and Social Management Plan” or “ESMP” means the Borrower’s environmental and social management plan for the Project prepared in accordance with the ESIA and provided to the Bank on January 26, 2010, as such framework may be updated from time to time by agreement between the Borrower and the Bank, setting forth the mitigating, monitoring and institutional measures to be taken during the implementation and operation of the Project to offset or reduce adverse environmental impacts to levels acceptable to the Bank.
6. “ESIA” means the Borrower’s environmental and social impact assessment for the Project provided to the Bank on January 26, 2010, setting forth the matters to be addressed in the ESMP regarding mitigating, monitoring and institutional measures to be taken during the implementation and operation of the Project to offset or reduce adverse environmental impacts to levels acceptable to the Bank.
7. “General Conditions” means the “International Bank for Reconstruction and Development General Conditions for Loans”, dated July 1, 2005 (as amended through February 12, 2008).
8. “Procurement Guidelines” means the “Guidelines: Procurement under IBRD Loans and IDA Credits” published by the Bank in May 2004 and revised in October 2006.
9. “Project Agreement” means the agreement between the Bank and the Project Implementing Entity of even date herewith, as the same may be amended from

time to time; and such term includes all schedules and agreements supplemental to the Project Agreement.

10. “Project Implementing Entity” means the Egyptian Electricity Holding Company established and operating pursuant to Law No. 164 of 2000.
11. “Resettlement Policy Framework” or “RPF” means the Borrower’s resettlement policy framework for the Project provided to the Bank on January 26, 2010, setting forth the rules, procedures and guidelines for the acquisition of land and/or other assets from persons affected by the Project (if any), and/or the resettlement and rehabilitation of such persons (if any), and the compensation thereof.
12. “Subsidiary Loan Agreement” means the agreement to be entered into between the Borrower and the Project Implementing Entity pursuant to the provisions of Part A of Section I of Schedule 2 of this Agreement, as the same may be amended from time to time; and such term includes all schedules to the Subsidiary Loan Agreement.

## **Section II. Modifications to the General Conditions**

The definition of the term “Conversion Date” is modified to read as follows:

“...Conversion Date’ means, in respect of a Conversion, the Execution Date (as hereinafter defined) or such other date as requested by the Borrower and accepted by the Bank, on which the Conversion enters into effect, and as further specified in the Conversion Guidelines.”