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CONSORTIUM

BULK SUPPLY PERFORMANCE STANDARDS
VERSION 1.0

Prepared for:

ENERGY & MINERALS REGULATORY COMMISSION

(JORDAN)

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BULK SUPPLY PERFORMANCE STANDARDS FIRST DRAFT

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BULK SUPPLY PERFORMANCE STANDARDS

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GLOSSARY AND DEFINITIONS

Any word or expression defined in the General Electricity Law or the Grid Code or the Bulk Supply Code or the Metering Code, and that is not defined otherwise in this Performance Standards shall have, unless the contrary intention appears, the same meaning and interpretation when used in this Performance Standards, including its Annexes.

When applying the provisions contained in this Performance Standards, and unless otherwise specified or the subject matter or context otherwise requires or is inconsistent therewith, the following words and expressions shall have the following meaning:

- **Actual Commissioning Date** means the actual date (expressed in month and year) a Generation Facility entered into service for the first time.
- **Annual Bulk Supply Performance Report** means the report that the Bulk Supply Licensee shall submit to the EMRC in accordance with the conditions of its license.
- **Bulk Customer** (or principal consumer) means the consumer which is directly connected to the transmission system and that during the single buyer model shall be supplied with electrical power by the Bulk Supply Licensee.
- **Bulk Supply Code** means the document with this name, as modified from time to time, approved and issued by the EMRC
- **Bulk Supply Customer** means a Distribution Company or a Bulk Consumer
- **Bulk Supply Licensee** means the holder of the licence that authorises bulk supply, granted under Article 28 and 35 of the General Electricity Law
- **Business Day** means any day other than Friday, Saturday or a public holiday in Jordan, when commercial banks are open for business in Jordan.
- **Condition** means a condition in this Performance Standards.
- **Distribution Company** means the holder of a distribution and retail supply licence, or a concession that authorises distribution and retail supply
- **EMRC** means the Energy & Minerals Regulatory Commission constituted under the General Electricity Law.



- **Expected Commissioning Date** means the earliest date (expressed in month and year) a Generation Facility is reasonably expected to enter into service for the first time.
- **General Electricity Law** means the General Electricity Law No. 64 of the Year 2002 or any amendments thereto or any other law that replaces the said law.
- **Generation Facility** means, for the purpose of this Performance Standards, any generation unit, or an upgrade, expansion or modification of a generation unit which need to be committed during the period covered by the Power Procurement Schedule. This term will also include any kind of international agreement with the objective importing or exporting power to/from the Hashemite Kingdom of Jordan.
- **Generation Master Plan** means the generation expansion plan to supply the projected load across a number of years, complying with the generation planning criteria set out in the Grid Code, as approved by the EMRC.
- **Long Term Load Forecast Report** means the report, prepared by the Bulk Supply Licensee, which contains the forecasted load for the next 10 years, as well as its supporting documentation, as indicated in the Bulk Supply Code
- **Performance Indicator** (In the Bulk Supply Performance Standards) means a parameter (measured or calculated) that is related with the compliance of the Bulk Supply Code.
- **Performance Standard** means the Bulk Supply Performance Standards Code.
- **Power Procurement Progress Reports** means the quarterly report, to be prepared by the Bulk Supply Licensee and submitted to the EMRC, containing the progress towards the power procurement indicated in the Power Procurement Schedule, as described in the Bulk Supply Code.
- **Power Procurement Schedule** means the detailed schedule, prepared by the Bulk Supply Licensee for procuring power for Bulk Customers, listing the activities and their timeframe which need to be carried out for procuring the power stated in the Generation Master Plan for the period specified in the Bulk Supply Code and approved by EMRC.
- **Targeted Commissioning Date** means the date (expressed in month and year) a Generation Facility should enter into service according with the Generation Master Plan approved by the EMRC.



PART 2: BULK SUPPLY PERFORMANCE STANDARDS

1. SECTION: GENERAL CONDITIONS

1.1. INTRODUCTION AND PURPOSE

- 1.1.1. This Part of the Performance Standards Code (Bulk Supply Performance Standards) establishes the procedures, requirements and indicators for the overall performance of the Bulk Supply Licensee.

1.2. APPLICABILITY

- 1.2.1. This Bulk Supply Performance Standards must be applied and used together with the Bulk Supply Code or any other codes issued or approved by EMRC that applies to the Bulk Supply Licensee.
- 1.2.2. This Bulk Supply Performance Standards applies to the Bulk Supply Licensee (NEPCO).

1.3. OBJECTIVES

- 1.3.1. The objectives of this Bulk Supply Performance Standards are:
- (a) To ensure that the Generation Master Plan is adequately and timely implemented, and to detect any possible delay in sufficiently in advance;
 - (b) To assure any power procurement process is conducted timely and effectively, ensuring at the same time that proper actions are taken to adequately guarantee the electricity supply at the Hashemite Kingdom of Jordan; and
 - (c) To ensure adequate information procedures between the Bulk Supply Licensee and the EMRC

1.4. CONFIDENTIALITY

Unless otherwise specifically stated in this Performance Standards, the EMRC shall be at liberty to publish the Performance Indicators, and performance results of the Bulk Supply Licensee.

2. SECTION: GENERATION MASTER PLAN

2.1. DOCUMENTS SUBMISSION TO THE EMRC

- 2.1.1. The Bulk Supply Code details the procedures the Bulk Supply Licensee shall follow in order to determine and procure the power required to comply with its license conditions. It also details the documents and reports which need to be submitted to the EMRC seeking for approval. Several of these documents and reports shall be submitted at predetermined dates while some others need to be submitted in a case by case basis. Among the first group are:
- (a) The Load Forecast Report: To be submitted by June 1st every year
 - (b) The Generation Master Plan: To be submitted by September 1st every year
 - (c) The Power Procurement Schedule: To be submitted by December 1st every year



- (d) Power Procurement Progress Reports: To be submitted by February 28th, May 31st, August 31st and November 30th every year.

- 2.1.2. Every year, the Bulk Supply Licensee shall produce an Annual Bulk Supply Performance Report, which shall contain the most relevant information and progresses related with the power procurement activity of the licensee.
- 2.1.3. Unless explicitly authorised by the EMRC, Targeted Commissioning Dates should remain unchanged in consecutive Power Procurement Schedules. In cases where a new Generation Master Plan indicates that a specific planned Generation Facility is no longer required, or is required but at later date than in previous Generation Master Plans, the Bulk Supply Licensee should apply to the EMRC asking for an authorisation for modifying the Targeted Commissioning Date, with proper justification. In case this authorisation is issued, this date will be considered by the Bulk Supply Licensee as the new Targeted Commissioning Date.

2.2. MASTER PLAN PERFORMANCE INDICATORS

- 2.2.1. The Bulk Supply Licensee is committed to comply with the submission dates of all required information (Long Term Load Forecast, Generation Master Plan, Power Procurement Schedule and Power Procurement Quarterly Reports) stated in the Bulk Supply Code and to make its maximum effort to assure all the Generation Facilities scheduled in the Generation Master Plan are committed at their approved Targeted Commissioning Date.
- 2.2.2. The delays in submitting the information indicated in 2.1.1 will be considered as a Performance Indicator for the responsibilities of the Bulk Supply Licensee on the development of the Generation Master Plan.
- 2.2.3. The delays in commissioning the Generation Facilities stated in the power Procurement Schedule will be considered as a Performance Indicator for the responsibilities of the Bulk Supply Licensee on the execution of the approved Generation Master Plan, only in those cases in which such delay is ascribable to the Bulk Supply Licensee actions which were under its direct control: Delays in preparing or submitting required documentation, delays in obtaining the required permits or authorisations, delays in tendering issuing, etc.
- 2.2.4. The GMPDPI (Generation Master Plan Development Performance Indicator) will be the accumulated difference (expressed in calendar days) between the dates on which the EMRC receives a specific document or report, and the date on which it is prescribed to be submitted according the Bulk Supply Code and the Performance Standards, whenever this value is positive.
- 2.2.5. GMPDPI will be calculated as:

$$GMPDPI = \sum_{i=1}^n (Days_{del})$$

i = index of document to be submitted

n = total number of documents, according to the Performance Standards to be submitted in a calendar year. Currently, the [eight (8)] documents indicated in 2.1.1



$Days_{del}$ = number of calendar days in delay of submission of a particular document. In case the document is submitted at the dates indicated in the Bulk Supply Code or in the Performance Standards or earlier, $Days_{del}$ will be 0.

- 2.2.6. In the case amendments to the Bulk Supply Code modifies the dates for submitting documents to the EMRC, the dates indicated in 2.2.1 will be modified accordingly.
- 2.2.7. In the case of delays on the dates stated in the Bulk Supply Code for the EMRC to issue approvals for any of the documents indicated in 2.2.1, due to causes ascribable to the EMRC, the dates indicated in 2.2.1 will be extended accordingly with such delay.
- 2.2.8. The allowed tolerance for GMPDPI is [sixty (80)] days in a calendar year.
- 2.2.9. The $GMPEPI_i$ (Generation Master Plan Execution Performance Indicator) for the Generation Facility “i” will be the difference (expressed in calendar months) between the Actual Commissioning Date and the Targeted Commissioning Date, whenever this value is positive.
- 2.2.10. If nothing is stated in contrary by the EMRC, the allowed tolerance for each $GPEPI_i$ is [nine (9)] months.
- 2.2.11. The EMRC could assign a different tolerance for a specific $GMPEPI_i$ in cases of Generation Facilities of special complexity and/or subject to a higher degree of uncertainty.

2.3. NON COMPLIANCE

- 2.3.1. The Bulk Supply Licensee shall comply with the tolerances of GMPDPI, and with each $GMPEPI_i$ for the Generation Facilities included in the Power Procurement Schedule.
- 2.3.2. In the cases of delays in the Actual Commissioning Date of any Generation Facility or group of Generation Facilities, due to causes that the Bulk Supply Licensee considered are outside its control, the Bulk Supply Licensee should ask the EMRC for a revision of the specific $GMPEPI_i$'s indicators, with proper documentation to prove its claim. In the case the EMRC approves, totally or partially, this claim, it will notify the Bulk Supply Licensee the acceptance, with a clear indication of the number of months that should be deducted from the total delay for each of the Generation Facilities. With this information, the Bulk Supply Licensee should recalculate the new $GMPEPI_i$'s values of the involved Generation Facilities.
- 2.3.3. The Annual Bulk Supply Performance Report, the Bulk Supply Licensee will submit every year to the EMRC, should include a chapter with the $GMPEPI_i$ indicators for all the facilities that have entered in service during the last calendar year.
- 2.3.4. If the Bulk Supply Licensee fails to maintain GMPDPI Performance Indicator below its authorised tolerance, it shall be considered a Non Compliance situation.
- 2.3.5. A Non Compliance situation may also include (but not be limited to):
 - (a) Conduct, or start the process, of a competitive or non-competitive procurement without obtaining the proper authorisation from the EMRC
 - (b) Produce material modification in the procurement documents approved by the EMRC



(c) Providing the EMRC incomplete, misleading or inaccurate data or reports.

2.4. PENALTIES

2.4.1. If the Bulk Supply Licensee is in a Non Compliance situation, the EMRC can apply penalties, according to Article 40 of the General Electricity Law and consider the situation a non-compliance with its licence conditions.