

Environmental Monitoring Report

Bi-annual Report (CJSC Electro Power Systems Operator)
Covering the period of January - June 2018

ARM: Power Transmission and Rehabilitation Project

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Prepared by the Closed Joint Stock Company Electro Power Systems Operator (EPSO) for the Republic of Armenia and the Asian Development Bank.

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Part I - Introduction

The present Environmental Management (EM) Report summarizes the project Environmental, Health & Safety status of project supervision 6 months (January - July 2018) by EPSO CJSC.

The main accomplishment of assignment was update of Initial Environmental Evaluation (IEE (prepared by the former Consultant "Fichtner") in accordance to the new task assignments of the Project (Back up Dispatch Center design and construction) and review of Site Specific Environmental Management Plan (developed by Contractor Redinet/Siemens) in accordance to the project specific EH&S requirements/forms and as integral part in line with ADB Guidelines.

In accordance with the new task assignments (Back Up DC design and construction) of the above mentioned period (January –June 2018), background information on new project tasks, sources, available documents, reports prepared by Contractor, EH&S policy and site visits (conducted by Consultant, Contractor and ADB representatives) Final draft Initial Environmental Examination Report (IEE updated by consultant Lahmeyer International GmbH/CESI S.P.A. /Ameria CJSC) and draft Site Specific Environmental Management Plans (SEMPs developed by consultant Redinet/Siemens) are submitted to the ADB for Review.

It is important to note, that the update of IEE was conducted for design and construction of Back up DC new task assignment and development of SEMP was done for following two components: a) Replacement of the Ground wires, of the Project and b) Back up Dispatch Center design and construction.

First review of the submitted IEE and SEMP by ADB identifies that the quality of submitted documents mostly coherent and only few comments and suggestion were recommended for final approval of abovementioned documents.

Details, fact findings and further project execution/action plan has been discussed and agreed during the Evaluation panel kick-off and working meetings and site visits with Consultant and ADB representatives.

Part II - Environmental Management and Document Review

During the reporting period (January - June 2018) Initial Environmental Evaluation (IEE) report and Site Specific Environmental Management Plan (SEMP developed by Contractor) according to the new task assignment (Back up Dispatch Center design and construction), Safety & Environmental (HSE) requirements (based on ADB HSE Safeguards, IEE, and EMPs developed for the project) have been updated and developed respectively. Both documents were submitted for ADB approval end of May.

First ADB review comments and suggestions was received in mid-June.

The Contractor is required to provide/submit the following additional HSE documentation/forms and information:

For IEE report

Legal framework update, Back up DC site specific information, Alternatives discussion for Back up DC, Back up DC HSE Budget clarification,

For SEMP

Back up DC site map, Back up DC design documentations, Back up DC construction permits, HSE Checklist (CL) forms, HSE Job Safety Analysis form.

Final draft of SEMP after review was submitted by Contractor to the PIU and Consultant approval mid-June. SEMP including Monitoring plan was approved by PIU and Supervision Consultant for the start of construction phase end of June.

Final IEE report and SEMP will be submitted to ADB for approval mid- July.

Part III - Environmental Monitoring

The monitoring program was developed with the construction contractor (Redinet/Siemens) as a part of contractor's SEMP and submitted to the PIU and ADB for approval.

SEMP including Monitoring plan was approved (after second review) by PIU and Supervision consultant (Lahmeyer International GmbH/CESI S.P.A. /Ameria CJSC). Start of construction is planned in July 19th.

On-site monitoring was not conducted since no construction activities were implemented during the reporting period.

The Approved SEMP and Monitoring Plan is subject to amendments and updates upon the need during the construction phase of the Project.

Part IV Action Plan for the Next Period

In accordance with the task assignments of first half year (January – June 2018) period it is planned to:

- Updated IEE approval by ADB mid-August.
- Supervise and report the progress of implementation of the SEMP to ADB, including Project compliance with (a) all applicable laws and regulations of Armenia relating to environment, health and safety; (b) the Environmental Safeguards; (c) all measures, and requirements set forth in the IEE, the SEMP, and any corrective or preventive actions set forth in a safeguard monitoring report,
- Assist Contractor with capacity building on environmental safeguard, Based on the updated IEE;
- Assist Contractor that any adverse environmental impacts are minimized by implementation of the mitigating measures and monitoring program as detailed in the site-specific environmental management plan (SEMP);
- Conduct regular and randomly Site HSE Inspections;
- Report any violation of environmental standards and the measures taken to restore compliance to ADB;
- Review and approve HSE action plan(s) of the Contractor established for next 6 months project implementation (construction phase).