DETERMINATION REPORT
EC CHERNIVTSIOBLENERGO PJSC

DETERMINATION OF THE "EC CHERNIVTSIOBLENERGO PJSC POWER DISTRIBUTION SYSTEM MODERNIZATION"

REPORT NO. UKRAINE-DET/0337/2011

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DETERMINATION REPORT

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Client:	**Client ref.:**
PJSC "EC "Chernivtsioblenergo"	Yaroslav Komaniak

Summary:

Bureau Veritas Certification has made the determination of the «EC Chernivtsioblenergo PJSC power distribution system modernization" project of EC Chernivtsioblenergo PJSC located in Chernivtsi city, Ukraine, on the basis of UNFCCC criteria for the JI, as well as criteria given to provide for consistent project operations, monitoring and reporting. UNFCCC criteria refer to Article 6 of the Kyoto Protocol, the JI rules and modalities and the subsequent decisions by the JI Supervisory Committee, as well as the host country criteria.

The determination scope is defined as an independent and objective review of the project design document, the project's baseline study, monitoring plan and other relevant documents, and consisted of the following three phases: i) desk review of the project design and the baseline and monitoring plan; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final determination report and opinion. The overall determination, from Contract Review to Determination Report & Opinion, was conducted using Bureau Veritas Certification internal procedures.

The first output of the determination process is a list of Clarification and Corrective Actions Requests (CL and CAR), presented in Appendix A. Taking into account this output, the project proponent will revise its project design document.

In summary, it is Bureau Veritas Certification's opinion that the project correctly applies Guidance on criteria for baseline setting and monitoring and meets the relevant UNFCCC requirements for the JI and the relevant host country criteria.

Report No.:	Subject Group:	
UKRAINE-det/0337/2011	JI	
Project title:		
"EC Chernivtsioblenergo PJSC power distribution system modernization"		
Work carried out by:		
Oleg Skoblyk – Team Leader, Lead Verifier Denis Pishchalov – Team Member, Financial Specialist		
Work verified by:		
Ivan Sokolov - Internal Technical Reviewer		
Work signed by:		
Ivan Sokolov – Operational Manager		
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1 INTRODUCTION

EC Chernivtsioblenergo PJSC has commissioned Bureau Veritas Certification to determinate its JI project “EC Chernivtsioblenergo PJSC power distribution system modernization” (hereafter called “the project”) in Chernivtsi city, Ukraine.

This report summarizes the findings of the determination of the project, performed on the basis of UNFCCC criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

1.1 Objective

The determination serves as project design verification and is a requirement of all projects. The determination is an independent third party assessment of the project design. In particular, the project's baseline, the monitoring plan (MP), and the project’s compliance with relevant UNFCCC and host country criteria are derminated in order to confirm that the project design, as documented, is sound and reasonable, and meet the stated requirements and identified criteria. Determination is a requirement for all JI projects and is seen as necessary to provide assurance to stakeholders of the quality of the project and its intended generation of emissions reductions units (ERUs).

UNFCCC criteria refer to Article 6 of the Kyoto Protocol, the JI rules and modalities and the subsequent decisions by the JI Supervisory Committee, as well as the host country criteria.

1.2 Scope

The determination scope is defined as an independent and objective review of the project design document, the project’s baseline study and monitoring plan and other relevant documents. The information in these documents is reviewed against Kyoto Protocol requirements, UNFCCC rules and associated interpretations.

The determination is not meant to provide any consulting towards the Client. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the project design.

1.3 Determination team

The determination team consists of the following personnel:

Oleg Skoblyk
Bureau Veritas Certification Team Leader, Climate Change Lead Verifier

Denis Pishchalov
Bureau Veritas Certification Team member, Financial Specialist

This determination report was reviewed by:

Ivan Sokolov

Bureau Veritas Certification, Internal reviewer

2 METHODOLOGY

The overall determination, from Contract Review to Determination Report & Opinion, was conducted using Bureau Veritas Certification internal procedures.

In order to ensure transparency, a determination protocol was customized for the project, according to the version 01 of the Joint Implementation Determination and Verification Manual, issued by the Joint Implementation Supervisory Committee at its 19 meeting on 04/12/2009. The protocol shows, in a transparent manner, criteria (requirements), means of determination and the results from determining the identified criteria. The determination protocol serves the following purposes:

- It organizes, details and clarifies the requirements a JI project is expected to meet;
- It ensures a transparent determination process where the determiner will document how a particular requirement has been determined and the result of the determination.

The completed determination protocol is enclosed in Appendix A to this report.

2.1 Review of Documents

The Project Design Document (PDD) submitted by EC Chernivtsioblenergo PJSC and additional background documents related to the project design and baseline, i.e. country Law, Guidelines for users of the joint implementation project design document form, Guidance on criteria for baseline setting and monitoring, Kyoto Protocol, Clarifications on Determination Requirements to be Checked by a Accredited Independent Entity were reviewed.

PDD «EC Chernivtsioblenergo PJSC power distribution system modernization» project of EC Chernivtsioblenergo PJSC version 1.0 was submitted on 25/10/2010.

To address Bureau Veritas Certification Corrective Action, Forward Action and Clarification Requests EC Chernivtsioblenergo PJSC revised the PDD and resubmitted it as version 4.0 of 06/03/2012 which is deemed final.

The determination findings presented in this report relate to the project as described in the PDD version 1.0 dated 25/10/2010.

2.2 Follow-up Interviews

On 04/05/2011 Bureau Veritas Certification performed on-site visit interviews with project stakeholders to confirm selected information and to resolve issues identified in the document review. Representatives of EC Chernivtsioblenergo PJSC and EES Ltd were interviewed (see References). The main topics of the interviews are summarized in Table 1.

Table 1 Interview topics

Interviewed organization	Interview topics
EC Chernivtsioblenergo PJSC	➢ Implementation schedule ➢ Project management organisation ➢ Evidence and records on reconstruction and new equipment and its operation ➢ Environmental Impact Assessment ➢ Project monitoring responsibilities ➢ Monitoring equipment ➢ Quality control and quality assurance procedures ➢ Environmental impacts affected ➢ Local authorities and public opinion
CONSULTANT EES Ltd	➢ Applicability of methodology ➢ Baseline and Project scenarios ➢ Barriers analysis ➢ Additionality justification ➢ Common practice analysis ➢ Monitoring plan ➢ Conformity of PDD to JI requirements

2.3 Resolution of Clarification and Corrective Action Requests

The objective of this phase of the determination is to raise the requests for corrective actions and clarification and any other outstanding issues that needed to be clarified for Bureau Veritas Certification positive conclusion on the project design.

Corrective Action Requests (CAR) is issued, where:

(a) The project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions;
(b) The JI requirements have not been met;
(c) There is a risk that emission reductions cannot be monitored or calculated.

The determination team may also use the term Clarification Request (CL), if information is insufficient or not clear enough to determine whether the applicable JI requirements have been met.

To guarantee the transparency of the verification process, the concerns raised are documented in more detail in the verification protocol in Appendix A.

3 PROJECT DESCRIPTION

The main objective of the Joint Implementation project introduction «EC Chernivtsioblenergo PJSC power distribution system modernization» is the technical reconstruction of electrical network and equipment programme realization, introduction of the progressive technologies, organization structure improvement, transition to the higher level organization of electricity grid transmission and distribution.

Taking measures, foreseen by the draft, will let to increase the reliability and effectiveness of the electric power distribution network in Chernivtsi and Chernivtsi region, and enhance the quality of consumer's service. As well as, taking such measures, will help to reduce the amount of electric power, that is lost in the distributive and transport electrical networks of EC Chernivtsioblenergo PJSC, and that, in its turn, will help to reduce the amount of the generated electric energy, and, as the result, pollutant emissions in the atmosphere.

Situation at the beginning of the activity of the Project.

Power supply company EC Chernivtsioblenergo PJSC is an integral part of the unified energy system (UES) of Ukraine and provide the consumers of Chernivtsi region with the electric energy regularly and reliably under the regulated tariff.

At the beginning of the project (2002) EC Chernivtsioblenergo PJSC was realizing only such measures that were directed on the maintaining of electrical networks in good working order. These measures mainly included repairing work on eliminations of errors, that arise during the operation of electric networks. That resulted in the losses, in 2002, in networks of EC Chernivtsioblenergo PJSC which reached 34.45% from the electric energy amount, that was coming into the company's network.

Most of the used, at that moment, equipment in the networks of EC Chernivtsioblenergo PJSC was already physically and morally outdated, but because of the insufficient financing and operational reserves of this equipment, remained still in use. Besides, changing of this situation was possible not only in the case of modification of technical provision of the

network, but also in the case of company's organizational structure improvement, which also required financing and people.

Selling possibility of greenhouse reduction units, became one of the factors for the start of introduction program, the goal of which is the reduction of technological power consumption in the EC Chernivtsioblenergo PJSC electric network.

Project Scenario

Joint implementation project is based on the introduction of investment program, directed on the reduction of technological power losses in the EC Chernivtsioblenergo PJSC, complex of measures on elimination of over normative power consumption, which is introduced and financed since 2002 - 2003.

Measures taken within the framework of this program, as well as introduction and completion of regular monitoring of possible losses sources and there prevention, let EC Chernivtsioblenergo PJSC to reduce losses in the networks.

Baseline Scenario

Baseline scenario foresees further usage of available equipment with performing of planned repairing work without substantial investment.

History of the project

21/02/2002 EC Chernivtsioblenergo PJSC management decision about TPL reduction programme development and realization, (Protocol № 8), and this is also the date of the given project recognition as JI project.

June 2002 - TPL reduction, in the EC Chernivtsioblenergo PJSC electric networks, programme introduction start

04/05/2011 – signing of a contract for PDD preparation.

Project advantages

Besides the reduction of greenhouse gasses, implementation project of the program «Reduction of electrical energy losses in the EC Chernivtsioblenergo PJSC electric network» has the following advantages:

- Creation of additional working positions, connected with the introducing of new equipment, erection and reconstruction of enterprise's establishments;
- Pollutant emissions reduction due to the electric energy generation cut down as a result of losses shortening in the networks.

- Production cost price cut down.

Joint implementation project realization will provide pollutant emissions reduction due to the electric energy, that comes to the EC Chernivtsioblenergo PJSC network, generation cut down. In such a way, project realization will lead to the greenhouses gasses reduction and prevention of their further accumulation in the atmosphere, which in its turn, will loosen climate changes.

Power supply company EC Chernivtsioblenergo PJSC is an integral part of the unified energy system (UES) of Ukraine and provide the consumers of Chernivtsi region with the electric energy regularly and reliably under the regulated tariff.

At the beginning of the project (at the end of 2003) EC Chernivtsioblenergo PJSC was realizing only such measures that were directed on the maintaining of electrical networks in good working order. These measures mainly included repairing work on eliminations of errors, that arise during the operation of electric networks. That resulted in the losses, in 2001, in networks of EC Chernivtsioblenergo PJSC which reached 38.89% from the electric energy amount, that was coming into the Company's network.

The main objective of the project introduction Joint Implementation EC Chernivtsioblenergo PJSC is the technical reconstruction of electrical network and equipment programme realization, introduction of the progressive technologies, organization structure improvement, and transition to the higher level of service organization, by means of investments.

Joint implementation project is based on the introduction of investment program, directed on the reduction of technological power losses in the EC Chernivtsioblenergo PJSC, complex of measures on elimination of over normative power consumption, which is introduced and financed since 2004.

Prospective development program include:

- scientific and technical support realization, functioning equipment exploitation term over rated extension, equipment diagnostics system realization and its residual operating time prognostication;
- introduction of organizational and technical measures for technological power losses reduction;

- conducting of reconstructions and renovation works in the electric networks, and substitution of outdated equipment;
- attraction of investments for the development and achievement of high technical and economical level of the Company;
- increase of power supply reliability level for the region consumers, by means of, Automatize commercial accounting power consumption system (ACAPCS), and complex technical power losses reduction Program introduction;
- equipment diagnostics system realization and its residual operating time prognostication;
- complex technical power losses reduction Program introduction;
- operating equipment modernization, within the framework of electric networks development investment programs;

Within the framework of this project there is foreseen a system of TPL administration (powernormalization, power audit, and power management) in the company in order to realize effectively a number of organizational and technical measures, and measures of development and improvement of TPL methodical insurance reduction during the licensed activity kinds realization on power transfer and supply, namely:

1. Organizational measures in methodological ensuring.
2. Organizing – technical measures.
3. Technical measures.

All these measures, and also introduction and carrying out of losses possible sources constant monitoring, and there prevention allowed EC Chernivtsioblenergo PJSC to reduce technical power losses in their own electrical networks from 38,89% (2001 year) to 21,30% (2009 year) from the electrical power amount that came to the network.

Losses reduction in the networks allowed to reduce CO2 emissions, that were caused by the generation of electric power, that was lost.

Duration of the draft is unlimited, as measures taken to find and remove power losses in the EC Chernivtsioblenergo PJSC electrical networks, are a constant and continual process. CO2 eq emissions reduction are affirmed on one crediting period (22 years) according to the modality and JI Mechanism procedures(3).

CARs (CAR01-CAR06), CLs (CL01-CL02) and their resolutions/conclusions applicable to project description are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4 DETERMINATION CONCLUSIONS

In the following sections, the conclusions of the determination are stated.

The findings from the desk review of the original project design documents and the findings from interviews during the follow up visit are described in the Determination Protocol in Appendix A.

The Clarification and Corrective Action Requests are stated, where applicable, in the following sections and are further documented in the Determination Protocol in Appendix A. The determination of the Project resulted in 16 Corrective Action Requests and 10 Clarification Requests.

4.1 Project approvals by Parties involved (19-20)

After receiving Determination Report from the Accredited Independent Entity the project documentation will be submitted to the State Environmental Investment Agency of Ukraine and Federal Department of the Environment, Transport, Energy and Communications of Switzerland for receiving a Letter of Approval.

The project was approved by State Environmental Investment Agency of Ukraine (Letter #3445/23/7 dated 24.11.2011) and Federal Office for the Environment (Switzerland) (Letter #J294-0485 dated 23.03.2012).

CAR07, CL03 and their resolutions/conclusions applicable to project approvals by Parties involved are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4.2 Authorization of project participants by Parties involved (21)

The participation of each project participant listed in the PDD will be authorized by Letter of Approval from appropriate party explicitly stating the name of the legal entity.

The project was approved by State Environmental Investment Agency of Ukraine (Letter #3445/23/7 dated 24.11.2011) and Federal Office for the Environment (Switzerland) (Letter #J294-0485 dated 23.03.2012).

CAR07, CL03 and their resolutions/conclusions applicable to project approvals by Parties involved are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4.3 Baseline setting (22-26)

The PDD explicitly indicates that JI specific approach was the selected approach for identifying the baseline.

The baseline scenario has been established in accordance with Appendix B of the JI Guidelines and in accordance with the 'Guidance on Criteria for Baseline Setting and Monitoring' (Version 2) adopted at 18th Meeting of the JISC and used Methodological Tool "Combined tool to identify the baseline scenario and demonstrate additionality" (Version 03.0.0).

The 'Guidance on Criteria for Baseline Setting and Monitoring' established by the JISC states: *"The baseline for a JI project is the scenario that reasonably represents the anthropogenic emissions by sources or anthropogenic removals by sinks of GHG that would occur in the absence of the proposed project."*

The PDD provides a detailed theoretical description in a complete and transparent manner, as well as justification, that the baseline is established:

(a) By listing and describing the following plausible future scenarios on the basis of conservative assumptions and selecting the most plausible one:

   a. continuation of the existing practice of power grid operation;
   b. implementation of the above project without JI mechanism.

(b) Taking into account relevant national and/or sectoral policies and circumstances, such as sectoral reform initiatives, local fuel availability, power sector expansion plans, and the economic situation in the project sector. In this context, the following key factors that affect a baseline are taken into account:

- Electricity and main fuel prices are fixed by the government and change independently from the enterprise needs.
- The Power Grid is a very complicated system, which consists of the groups of power transformation, transmission and distributing equipment, management and monitoring systems and only if these groups work coherently the result will be positive. It means that all of the groups of measures implemented in the EC Chernivtsioblenergo PJSC power grid should be coordinated with the other parts of the system. Besides, some new equipment will be implemented on the Units and there is no experience or historical data that could show the possibility of the effective work of such a system.

- Ukraine has one of the lowest electricity tariffs in Europe. Therefore, it is really hard invest some cost for the reconstruction or the rehabilitation of the equipment.

In order to establish the baseline scenario project participants has chosen the use of JI specific approach and "Combined tool to identify the baseline scenario and demonstrate additionality" (Version 03.0.0). Default multi-project emission factors for Ukraine National Power Grid defined by National Environmental Investment Agency of Ukraine have been applied for calculation of greenhouse gases emissions.

All explanations, descriptions and analyses pertaining to the baseline in the PDD are made in accordance with the identified JI specific approach and the baseline is identified appropriately.

CAR08, CL04 and and their resolutions/conclusions applicable to baseline setting are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4.4 Additionality (27-31)

Barrier analysis and common practice analysis were used to demonstrate additionality of the project activity. All explanations, descriptions and analyses are made in accordance with the selected tool or method.

The following additionality proofs are provided:

1. there are two alternative scenarios to the project activity identified;
2. the identified financial barrier would credibly prevent the implementation of the proposed project activity undertaken without being registered as a JI activity;
3. the common practice analyses carried out by the PP's, complementing the investment and barrier analysis

Additionality is demonstrated appropriately as a result of the analysis using the approach chosen.

CAR09 and its resolution/conclusion applicable to additionality are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4.5 Project boundary (32-33)

The project boundary defined in the PDD, encompasses all anthropogenic emissions by sources of greenhouse gases (GHGs) that are:

Reasonably attributable to the project:

- CO2 emissions related to electric energy production for electrical grid

The delineation of the project boundary and the gases and sources included are appropriately described and justified in the PDD.

The AIE determinated the project boundary by:
a) Detailed review of relevant documentation (list of all determinated documents provided in “Category 2 Document” below).
b) Interviews and observations during site visit to EC Chernivtsioblenergo PJSC dated 04/05/2011 (list of interviewd persons provided in “Persons interviewed” below).

Based on the above assessment, the AIE hereby confirms that the identified boundary and the selected sources and gases are justified for the project activity.

CAR10, CLs (CL05, CL06) and their resolutions/conclusions applicable to project boundary are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4.6 Crediting period (34)

The PDD states the starting date of the project as the date on which the implementation or construction or real action of the project will begin or began, and the starting date is 21/02/2002, which is after the beginning of 2000.

The PDD states the expected operational lifetime of the project in years and months, which is 25 years (300 months).

The PDD states the length of the crediting period in years and months, which is 22 years or 264 months, and its starting date as 01/01/2004, which is the date the first emission reductions or enhancements of net removals are generated by the project.

The PDD states that the crediting period for the issuance of ERUs starts only after the beginning of 2008 and does not extend beyond the operational lifetime of the project.

The PDD states that the extension of its crediting period beyond 2012 is subject to the host Party approval, and the estimates of emission reductions or enhancements of net removals are presented separately for those until 2012 and those after 2012 in all relevant sections of the PDD.

CLs (CL07, CL08) and their resolutions/conclusions applicable to crediting period are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4.7 Monitoring plan (35-39)

The PDD, in its monitoring plan section, explicitly indicates that JI specific approach was the selected.

The monitoring plan describes all relevant factors and key characteristics that will be monitored, and the period in which they will be monitored, in particular also all decisive factors for the control and reporting of project performance, such as fuel saving.

The monitoring plan specifies the indicators, constants and variables that are reliable (i.e. provide consistent and accurate values), valid (i.e. be clearly connected with the effect to be measured), and that provide a transparent picture of the emission reductions or enhancements of net removals to be monitored such as:

1. Actual receiving of electricity to the grid;
2. Total reduction of technical power losses;
3. CO2 emission factor for Ukranian Grid.

The monitoring plan draws on the list of standard variables contained in appendix B of “Guidance on criteria for baseline setting and monitoring” developed by the JISC, such as PE_y; BE_y; GEF_y.

The monitoring plan explicitly and clearly distinguishes:

(i) Data and parameters that are not monitored throughout the crediting period, but are determined only once (and thus remain fixed throughout the crediting period), and that are available already at the stage of determination, such as: N/A.

(ii) Data and parameters that are monitored throughout the crediting period, such as: PE_y; BE_y; GEF_y, V_y.

The monitoring plan describes the methods employed for data monitoring (including its frequency) and recording depending on its kind. It is provided in comprehensive manner in Tables for the key-parameters in Section B.1. of the PDD.

The monitoring plan elaborates all algorithms and formulae used for the estimation/calculation of baseline emissions and project emissions/removals or direct monitoring of emission reductions from the project, leakage, as appropriate, such as:

Project emissions

The mission reduction will be achieved by reducing power losses in the company's power grids which in its turn will be achieved as a result of the project implementation.

Since the baseline emissions are calculated based on difference between of power loss before and after the project implementation, consequently the project emission will equal zero.

$$PE_y = 0$$

Baseline emissions

Baseline emissions are defined by the following equation:

$$BE_y = V_y \cdot GEF_y, \quad (1)$$

where

BE_y = baseline emissions (tCO2e);

V_y = total technical loss reduction in the power distribution system during the period *y* of the project scenario compared with the baseline, MWh;

GEF_y = CO_2 emission factor in UPS of Ukraine for the the power replacement projects in the year y, tCO_2e/MWh;

y = the year for which estimates are made.

Emission reduction

Emissions reductions are defined by the following equation:

$$ER_y = BE_y - (PE_y + LE_y), \quad (2)$$

Where:
ER_y = emission reduction during the year y, t CO2e;
BE_y = baseline emission of the greenhouse gases in the year y, t CO2e;
PE_y = greenhouse gases emission caused by the project activity in the year y, t CO2e;
LE_y = escape emission in the year y , t CO2e.

The monitoring plan presents the quality assurance and control procedures for the monitoring process. This includes, as appropriate, information on calibration and on how records on data and/or method validity and accuracy are kept and made available on request.

Data monitored and required for verification are to be kept for two years after the last transfer of ERUs for the project.

The monitoring plan clearly identifies the responsibilities and the authority regarding the monitoring activities. The roles and responsibilities of the persons involved to monitoring process are described in full in section D.3 of PDD and vividely demonstrated on the Scheme of data collection for Monitoring Report.

On the whole, the monitoring report reflects good monitoring practices appropriate to the project type.

The monitoring plan provides, in tabular form, a complete compilation of the data that need to be collected for its application, including data that are measured or sampled and data that are collected from other sources (e.g. official statistics, IPCC, commercial and scientific literature etc.) but not including data that are calculated with equations.

The monitoring plan indicates that the data monitored and required for verification are to be kept for two years after the last transfer of ERUs for the project.

CARs (CAR11-CAR15), CLs (CL09, CL10) and their resolutions/conclusions applicable to monitoring plan are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4.8 Leakage (40-41)

The PDD appropriately describes an assessment of the potential Indirect external leakage of CO2, CH4, N2O generated by fuel production and its transportation and appropriately explains that they are neglected.

4.9 Estimation of emission reductions or enhancements of net removals (42-47)

The PDD indicates assessment of emissions in the baseline scenario and in the project scenario as the approach chosen to estimate the emission reductions generated by the project.

The PDD provides the ex ante estimates of:

(a) Emissions for the project scenario (within the project boundary), which are:

The mission reduction will be achieved by reducing power losses in the company's power grids which in its turn will be achieved as a result of the project implementation.

Since the baseline emissions are calculated based on difference between of power loss before and after the project implementation, consequently the project emission will equal zero.

$$PE_y = 0$$

(b) No leakage is expected during the project activity;

(c) Emissions for the baseline scenario (within the project boundary), which are:

Year	Greenhouse gases baseline emission (tonnes of CO2 equivalent)
2004	32074
2005	31219
2006	42083
2007	105272
Total 2004-2007:	210648
Average number of baseline emission 2004-2007:	52662
2008	167129
2009	196108
2010	166570
2011	176504
2012	176504
Total 2008-2012:	882815
Average number of baseline emission 2008-2012:	176563
2013	176504
2014	176504
2015	176504
2016	176504
2017	176504
2018	176504
2019	176504
2020	176504
2021	176504
2022	176504
2023	176504

2024	176504
2025	176504
Total 2013-2025:	2294552
Average number of baseline emission 2013-2025:	176504

(d) Emission reductions adjusted by leakage (based on (a)-(c) above), which are:

Year	**Estimated emission reductions (tonnes of CO2 equivalent)**
2004	32074
2005	31219
2006	42083
2007	105272
Total 2004-2007:	210648
Average number of reduction 2004-2007:	52662
2008	167129
2009	196108
2010	166570
2011	176504
2012	176504
Total 2008-2012:	882815
Average number of reduction 2008-2012:	176563
2013	176504
2014	176504
2015	176504
2016	176504
2017	176504
2018	176504
2019	176504
2020	176504
2021	176504
2022	176504
2023	176504
2024	176504
2025	176504
Total 2013-2025:	2294552
Average number of reduction 2013-2025:	176504

Emission reductions estimation after the first commitment period

The estimates referred to above are given:

(a) On a periodic basis;

(b) From 01/01/2004 to 31/12/2025, covering the whole crediting period;

(c) On a source-by-source basis;

(d) For CO2

(e) In tonnes of CO2 equivalent, using global warming potentials defined by decision 2/CP.3 or as subsequently revised in accordance with Article 5 of the Kyoto Protocol;

The formula used for calculating the estimates referred above, which is

$$ER_y = BE_y - (PE_y + LE_y),$$

де

ER_y = emission reduction for year y, t CO_2e;

BE_y = baseline emissions for year y, t CO_2e;

PE_y = project emissions for year y, t CO_2e;

LE_y = leakages for year y , t CO_2e

is consistent throughout the PDD.

Data sources used for calculating the estimates referred to above, are clearly identified, reliable and transparent.

The estimation referred to above is based on conservative assumptions and the most plausible scenarios in a transparent manner.

The estimates referred to above are consistent throughout the PDD.

No issues applicable to estimation of emission reductions or enhancements of net removals were found.

4.10 Environmental impacts (48)

No EIA was received specially for the project.

The ecological inspections of company were carried out by the State ecological inspection of Chernivtsi region.

EC Chernivtsioblenergo PJSC submits the following reports: Form 2TP (water), Form 1 (hazardous wastes), Form 1 (ecological spendings).

The company utilizes wastes: storage cells, fluorescent lamps and other lamps with mercurial fillers, waste tires, ferrous and nonferrous metals scrap. Collection of wastes is done through the storehouse of the company and is utilized by the companies, according to signed treaties. Ferrous and nonferrous metals are utilized through the organization Vtorchormet, storage cells – through «Metal», ltd., waste tires - through «Viza Vtorma», ltd, fluorescent lamps and other lamps with mercurial fillers - through «Ekolog Bukovyny», small private enterprise.

The project will make a positive influence on the environment comparing with the current state, as the reconstructions will improve the effectiveness of the power recourses usage and will reduce the emission of the pollutants into the air. In such a way the influence from the reconstruction is insignificant.

Transboundary Environmental Impact project activities are anticipated.

CAR16 and its resolution/conclusion applicable to environmental impacts are listed in the APPENDIX A: DETERMINATION PROTOCOL (Table 2) below.

4.11 Stakeholder consultation (49)

No stakeholders' comments were received.

4.12 Determination regarding small scale projects (50-57)

Not applicable

4.13 Determination regarding land use, land-use change and forestry (LULUCF) projects (58-64)

Not applicable

4.14 Determination regarding programmes of activities (65-73)

Not applicable

5 SUMMARY AND REPORT OF HOW DUE ACCOUNT WAS TAKEN OF COMMENTS RECEIVED PURSUANT TO PARAGRAPH 32 OF THE JI GUIDELINES

No comments, pursuant to paragraph 32 of the JI Guidelines, were received.

6 DETERMINATION OPINION

Bureau Veritas Certification has performed a determination of the "EC Chernivtsioblenergo PJSC power distribution system modernization" project of EC Chernivtsioblenergo PJSC located in Chernivtsi city, Ukraine. The determination was performed on the basis of UNFCCC criteria and host country criteria and also on the criteria given to provide for consistent project operations, monitoring and reporting.

The determination consisted of the following three phases: i) a desk review of the project design and the baseline and monitoring plan; ii) follow-up interviews with project stakeholders; iii) the resolution of outstanding issues and the issuance of the final Determination report and opinion.

Project participant/s used the latest "Combined tool to identify the baseline scenario and demonstrate additionality". In line with this tool, the PDD provides barrier analysis, investment analysis and common practice analysis, to determine that the project activity itself is not the baseline scenario.

Emission reductions attributable to the project are hence additional to any that would occur in the absence of the project activity. Given that the project is implemented and maintained as designed, the project is likely to achieve the estimated amount of emission reductions.

The determination revealed two pending issues related to the current determination stage of the project: the issue of the written approval of the project and the authorization of the project participant by the host Party. If the written approval and the authorization by the host Party are awarded, it is our opinion that the project as described in the Project Design Document, Version 4.0 meets all the relevant UNFCCC requirements for the determination stage and the relevant host Party criteria.

The review of the project design documentation (version 4.0) and the subsequent follow-up interviews have provided Bureau Veritas Certification with sufficient evidence to determine the fulfillment of stated criteria. In our opinion, the project correctly applies and meets the relevant UNFCCC requirements for the JI and the relevant host country criteria.

The determination is based on the information made available to us and the engagement conditions detailed in this report.

7 REFERENCES

Category 1 Documents:
Documents provided by EC Chernivtsioblenergo PJSC that relate directly to the GHG components of the project.

/1/ PDD "EC Chernivtsioblenergo PJSC power distribution system modernization" version 1.0 dated 25/10/2010
/2/ PDD «EC Chernivtsioblenergo PJSC power distribution system modernization version 2.0 dated 29/08/2011
/3/ PDD «EC Chernivtsioblenergo PJSC power distribution system modernization version 3.0 dated 01/11/2011
/4/ PDD «EC Chernivtsioblenergo PJSC power distribution system modernization version 4.0 dated 06/03/2012
/5/ CI-1БТВЕ-2002-2010-26-08-2011-Km-ok.xls – excel file
/6/ CI-1БТВЕ-2002-2010-18-09-2011-Km-ok.xls – excel file
/7/ CI-1БТВЕ-2002-2010-01-11-2011-Km-ok.xls – excel file
/8/ 20120306_ChOE_ER.xls – excel file
/9/ Letter #3445/23/7 dated 24.11.2011 issued by State Environmental Investment Agency of Ukraine
/10/ Letter #J294-0485 dated 23.03.2012 issued by Federal Office for the Environment (Switzerland)

Category 2 Documents:
Background documents related to the design and/or methodologies employed in the design or other reference documents.

/1/ Decree of Cabinet of Ministers of Ukraine #206, dated 22/02/2006
/2/ Joint Implementation Project Design Document Form, version 01
/3/ Guidelines for Users of the Joint Implementation Project Design Document Form/Version 04, JISC.
/4/ JISC Guidance on criteria for baseline setting and monitoring. Version 02.
/5/ "Combined tool to identify the baseline scenario and demonstrate additionality" (Version 03.0.0)
/6/ Glossary of Joint Implementation Terms, Version 03.
/7/ Decree #43 on approval of indexes of specific carbon dioxide emissions in the year 2010 issued by NEIA dated 28.03.2011.
/8/ Decree #62 on approval of indexes of specific carbon dioxide emissions in the year 2008 issued by NEIA dated 15.04.2011.
/9/ Decree #63 on approval of indexes of specific carbon dioxide emissions in the year 2009 issued by NEIA dated 15.04.2011.
/10/ Decree #75 on approval of indexes of specific carbon dioxide emissions in the year 2011 issued by NEIA dated 12.05.2011.
/11/ The methodology of technical power losses amount determination, in 150-0,38 kV tension power grids power supply company for the indirect carbon dioxide emissions estimation
/12/ Amendment №1 to GDN 34.09.104-2003. Principles of compilation of electric

power balance structure in electricity supply networks of 0,38-150 kV, analysis of its rectangular components and regulation of technological expenditure of electricity

/13/ Amendment №1 to GDN 34.09.203-2004. Electric power wastes regulation

/14/ Analysis of activities on metrological attestation (verification) of voltage transformers in networks 6-10 kW on substations of OJSC "EK Chernivtsioblenergo" in June 2009

/15/ Annex to the bill №29387 for active electric power dated 15.04.2011

/16/ Annex to the Licence series AB №395393. List of licenced professions

/17/ Announcement on adverticed bidding dated 02.03.2011

/18/ Announcement on results of adverticed bidding

/19/ Balance of electric power overflows in OJSC "EC Chernivtsioblenergo" for January 2011

/20/ Bill №29387 for active electric power according to the agreement №4042/2 dated 15.04.2011

/21/ Bill №29387 for payment for electric power №6688530 dated 19.04.2011

/22/ Certificate №54 about entry in register of automatized systems of electric power commercial account. Automatized system of electric power commercial account of OJSC "EC Chernivtsioblenergo" dated 19.04.2011

/23/ Certificate of measurement device faultiness №0611 Current transformer ТОЛ-10 УТ Reg.№8306 dated 08.07.2009

/24/ Certificate of measurement device faultiness №0614 Current transformer ТОЛ-10 УТ Reg.№8340 dated 08.07.2009

/25/ Certificate of measurement device faultiness №1734 Current transformer ТПЛ-10 У3 Reg.№5196 dated 15.11.2010

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/27/ Certificate of measurement device faultiness №1746 Current transformer ТПЛ-10 У3 Reg.№8088 dated 16.11.2010

/28/ Certificate of measurement device faultiness №1747 Current transformer ТПЛ-10 У3 Reg.№1712 dated 16.11.2010

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/31/ Certificate of measurement device faultiness №1751 Current transformer ТПЛ-10 У3 Reg.№2168 dated 16.11.2010

/32/ Certificate of measurement device faultiness №1755 Current transformer ТПЛ-10 У3 Reg.№1755 dated 16.11.2010

/33/ Certificate of measurement device faultiness №1756 Current transformer ТПЛ-10 У3 Reg.№10104 dated 16.11.2010

/34/ Certificate of measurement device faultiness №1757 Current transformer ТПЛМ-10 Reg.№58042 dated 16.11.2010

/35/ Certificate of measurement device faultiness №45 Current transformer ТПЛ-10 У3 Reg.№0554 dated 20.06.2007

/36/ Certificate of state metrological certification №100 Voltage transformer НАМИ-10 У2 Reg.№11 dated 16.06.2009

/37/ Certificate of state metrological certification №101 Voltage transformer ЗНОЛ-06-10 У3 Reg.№19036 dated 15.06.2009
/38/ Certificate of state metrological certification №102 Voltage transformer ЗНОЛ-06-10 У3 Reg.№9441 dated 15.06.2009
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/51/ Certificate of state metrological certification №115 Voltage transformer НТМИ-6 Reg.№6186 dated 12.06.2009
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/71/ Certificate of state metrological certification №29-2143 Current transformer ТФН-35М Reg.№8938 dated 04.12.2008

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/77/ Certificate of state metrological certification №29-2153 Current transformer ТФЗМ-110Б-IУ1 Reg.№24792 dated 04.12.2008

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/79/ Certificate of state metrological certification №29-2155 Current transformer ТФЗМ-110Б-IУ1 Reg.№22538 dated 04.12.2008

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/86/ Certificate of state metrological certification №29-2164 Current transformer ТФНД-110М Reg.№16435 dated 04.12.2008
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/120/ Electric and heat power balance and calculation of technical and economic performances of OJSC "EC Chernivtsioblenergo" for 2010
/121/ Electricity balance structure and TEE for transfer in electricity supply networks of OJSC "EC Chernivtsioblenergo" for 2001
/122/ Electricity balance structure and TEE for transfer in electricity supply networks of OJSC "EC Chernivtsioblenergo" for 2002
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/131/ Investment program of OJSC "EC Chernivtsioblenergo" for 2002 - 2006 years
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/147/ List of top managers and specialists, who have carried out the preparation of documents on courses of activities

/148/ Manual for drawing, providing reports and analysis of the registering form of reporting 1B-TEE "Electricity balance structure and TEE for transfer in electricity supply networks"

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/200/ Protocol MA VT №28а Voltage transformer НТМИ-10 Reg.№948 dated 31.03.2010

/201/ Protocol MA VT №29-8/П38. Voltage transformer НКФ-110-57У1 Reg.№5613 dated 02.10.2008

/202/ Protocol MA VT №29-8/П39. Voltage transformer НКФ-110-57У1 Reg.№5543 dated 02.10.2008

/203/ Protocol MA VT №29-8/П40. Voltage transformer НКФ-110-57У1 Reg.№5433 dated 02.10.2008

/204/ Protocol MA VT №4/101 Voltage transformer НТМИ-6 Reg.№1859 dated 03.06.2009

/205/ Protocol MA VT №4/102 Voltage transformer НАМИ-10 У2 Reg.№6946 dated 03.06.2009

/206/ Protocol MA VT №4/103 Voltage transformer НТМИ-6-66 У3 Reg.№ВПРВ dated 11.06.2009

/207/ Protocol MA VT №4/104 Voltage transformer НТМИ-6-66 У3 Reg.№УРТУ dated 11.06.2009

/208/ Protocol MA VT №4/105 Voltage transformer НТМИ-І-10 У3 Reg.№2480 dated 15.06.2009
/209/ Protocol MA VT №4/105 Voltage transformer НТМИ-І-10 У3 Reg.№2480 dated 15.06.2009
/210/ Protocol MA VT №4/106 Voltage transformer НАМИ-10 У2 Reg.№6774 dated 16.06.2009
/211/ Protocol MA VT №4/106 Voltage transformer НАМИ-10 У2 Reg.№6774 dated 16.06.2009
/212/ Protocol MA VT №4/107 Voltage transformer НАМИ-10 У2 Reg.№2558 dated 04.06.2009
/213/ Protocol MA VT №4/108 Voltage transformer НТМИ-10-66 У3 Reg.№2471 dated 04.06.2009
/214/ Protocol MA VT №4/109 Voltage transformer НТМИ-10-66 У3 Reg.№4082 dated 03.06.2009
/215/ Protocol MA VT №4/110 Voltage transformer НТМИ-10-66 У3 Reg.№5064 dated 03.06.2009
/216/ Protocol №29-8/П1 of state metrological attestation Current transformer ТФЗМ-110Б-ІУ1 Reg.№44890 dated 08.10.2008
/217/ Protocol №29-8/П11 of state metrological attestation Current transformer ТФЗМ-110Б-ІУ1 Reg.№25928 dated 04.10.2008
/218/ Protocol №29-8/П12 of state metrological attestation Current transformer ТФЗМ-110Б-ІУ1 Reg.№19844 dated 04.10.2008
/219/ Protocol №29-8/П13 of state metrological attestation Current transformer ТФЗМ-110Б-ІУ1 Reg.№24792 dated 04.10.2008
/220/ Protocol №29-8/П14 of state metrological attestation Current transformer ТФЗМ-110Б-ІУ1 Reg.№24819 dated 04.10.2008
/221/ Protocol №29-8/П15 of state metrological attestation Current transformer ТФЗМ-110Б-ІУ1 Reg.№22538 dated 04.10.2008
/222/ Protocol №29-8/П16 of state metrological attestation Current transformer ТФНД-35М Reg.№17118 dated 03.10.2008
/223/ Protocol №29-8/П17 of state metrological attestation Current transformer ТФН-35М Reg.№1847 dated 03.10.2008
/224/ Protocol №29-8/П2 of state metrological attestation Current transformer ТФЗМ-110Б-ІУ1 Reg.№45211 dated 04.10.2008
/225/ Protocol №29-8/П20 of state metrological attestation of current transformer ТФН-35М Reg.№1462 dated 30.09.2008
/226/ Protocol №29-8/П21 of state metrological attestation of current transformer ТФН-35М Reg.№1383 dated 30.09.2008
/227/ Protocol №29-8/П22 of state metrological attestation of current transformer ТФЗМ-110Б-ІУ1 Reg.№21198 dated 01.10.2008
/228/ Protocol №29-8/П23 of state metrological attestation Current transformer ТФЗМ-110Б-ІУ1 Reg.№21542 dated 01.10.2008
/229/ Protocol №29-8/П23 of state metrological attestation Current transformer ТФНД-110М Reg.№16331 dated 02.10.2008
/230/ Protocol №29-8/П27 of state metrological attestation of current transformer ТФНД-110М Reg.№321 dated 02.10.2008
/231/ Protocol №29-8/П28 of state metrological attestation of current transformer

ТФНД-110М Reg.№326 dated 02.10.2008

/232/ Protocol №29-8/П29 of state metrological attestation of current transformer ТФНД-110М Reg.№02373 dated 02.10.2008

/233/ Protocol №29-8/П3 of state metrological attestation of current transformer ТФН-35М Reg.№21889 dated 07.10.2008

/234/ Protocol №29-8/П30 of state metrological attestation of current transformer ТФНД-110М Reg.№2552 dated 02.10.2008

/235/ Protocol №29-8/П4 of state metrological attestation of current transformer ТФН-35М Reg.№18032 dated 07.10.2008

/236/ Protocol №29-8/П5 of state metrological attestation of current transformer ТФН-35М Reg.№18020 dated 07.10.2008

/237/ Protocol №29-8/П6 of state metrological attestation of current transformer ТФН-35М Reg.№8938 dated 07.10.2008

/238/ Protocol №29-8/П7 of state metrological attestation of current transformer ТФН-35М Reg.№8814 dated 07.10.2008

/239/ Protocol №29-8/П8 of state metrological attestation of current transformer ТФЗМ-110Б-IУ1 Reg.№22713 dated 06.10.2008

/240/ Protocol №29-8/П9 of state metrological attestation of current transformer ТФЗМ-110Б-IУ1 Reg.№22710 dated 06.10.2008

/241/ Protocol of bidding proposals' assessment №6/3 від 2.03.2011

/242/ Protocol of competitive proposals unveiling №6/2 dated 02.03.2011

/243/ Protocol of state metrological attestation №0611 Current transformer ТОЛ-10 УТ Reg.№8306 dated 08.07.2009

/244/ Protocol of state metrological attestation №0614 Current transformer ТОЛ-10 УТ Reg.№8340 dated 08.07.2009

/245/ Protocol of state metrological attestation №0858 Voltage transformer НОМ-10-66 УЗ Reg.№ДСКД dated 25.11.2008

/246/ Protocol of state metrological attestation №0859 Voltage transformer НОМ-10-66 УЗ Reg.№ДРВВ dated 25.11.2008

/247/ Protocol of state metrological attestation №100 Voltage transformer НАМИ-10 У2 Reg.№11 dated 16.06.2009

/248/ Protocol of state metrological attestation №101 Voltage transformer ЗНОЛ-06-10 УЗ Reg.№19036 dated 15.06.2009

/249/ Protocol of state metrological attestation №102 Voltage transformer ЗНОЛ-06-10 УЗ Reg.№9441 dated 15.06.2009

/250/ Protocol of state metrological attestation №103 Voltage transformer ЗНОЛ-06-10 УЗ Reg.№9443 dated 15.06.2009

/251/ Protocol of state metrological attestation №104 Voltage transformer НТМИ-10 Reg.№1646 dated 15.06.2009

/252/ Protocol of state metrological attestation №105 Voltage transformer НАМИ-10 У2 Reg.№2876 dated 10.06.2009

/253/ Protocol of state metrological attestation №106 Voltage transformer НТМИ-I-10 УЗ Reg.№2382 dated 10.06.2009

/254/ Protocol of state metrological attestation №107 Voltage transformer НАМИ-10 У2 Reg.№220 dated 17.06.2009

/255/ Protocol of state metrological attestation №108 Voltage transformer НТМИ-6-66 УЗ Reg.№60363 dated 11.06.2009

/256/ Protocol of state metrological attestation №109 Voltage transformer НТМИ-6-66 У3 Reg.№9685 dated 11.06.2009
/257/ Protocol of state metrological attestation №110 Voltage transformer НТМИ-10-66 У3 Reg.№1191 dated 10.06.2009
/258/ Protocol of state metrological attestation №111 Voltage transformer НТМИ-10-66 У3 Reg.№5735 dated 10.06.2009
/259/ Protocol of state metrological attestation №112 Voltage transformer НТАМИ-10 У3 Reg.№423 dated 10.06.2009
/260/ Protocol of state metrological attestation №113 Voltage transformer НТМИ-6 Reg.№1773 dated 15.06.2009
/261/ Protocol of state metrological attestation №114 Voltage transformer НТМИ-6 Reg.№1904 dated 12.06.2009
/262/ Protocol of state metrological attestation №115 Voltage transformer НТМИ-6 Reg.№6186 dated 12.06.2009
/263/ Protocol of state metrological attestation №116 Voltage transformer НТМИ-І-10 У3 Reg.№090100001 dated 09.06.2009
/264/ Protocol of state metrological attestation №117 Voltage transformer НТМИ-І-10 У3 Reg.№090100010 dated 05.06.2009
/265/ Protocol of state metrological attestation №1510 Current transformer ТПЛ-10 У3 Reg.№90783 dated 08.10.2008
/266/ Protocol of state metrological attestation №1511 Current transformer ТПЛ-10 У3 Reg.№63183 dated 08.10.2008
/267/ Protocol of state metrological attestation №1656 Current transformer ТПФМ-10 Reg.№51583 dated 16.11.2010
/268/ Protocol of state metrological attestation №1657 Current transformer ТПФМ-10 Reg.№45422 dated 16.11.2010
/269/ Protocol of state metrological attestation №1658 Current transformer ТПЛМ-10 Reg.№63143 dated 16.11.2010
/270/ Protocol of state metrological attestation №1659 Current transformer ТПЛМ-10 Reg.№62548 dated 16.11.2010
/271/ Protocol of state metrological attestation №1660 Current transformer ТПЛ-10 У3 Reg.№7598 dated 16.11.2010
/272/ Protocol of state metrological attestation №1661 Current transformer ТПЛ-10 У3 Reg.№4156 dated 16.11.2010
/273/ Protocol of state metrological attestation №1662 Current transformer ТПЛ-10 Reg.№14080 dated 16.11.2010
/274/ Protocol of state metrological attestation №1665 Current transformer ТЛК-10-5У3 Reg.№7563 dated 16.11.2010
/275/ Protocol of state metrological attestation №1712 Current transformer ТЛМ-10 2У3 Reg.№3497 dated 16.11.2010
/276/ Protocol of state metrological attestation №1713 Current transformer ТЛМ-10 2У3 Reg.№6272 dated 16.11.2010
/277/ Protocol of state metrological attestation №1714 Current transformer ТВЛМ-10 Reg.№82917 dated 16.11.2010
/278/ Protocol of state metrological attestation №1715 Current transformer ТВЛМ-10 Reg.№82901 dated 16.11.2010
/279/ Protocol of state metrological attestation №1716 Current transformer ТОЛ-10-

2УЗ Reg.№4725 dated 16.11.2010

/280/ Protocol of state metrological attestation №1717 Current transformer ТЛМ-10-2УЗ Reg.№4653 dated 16.11.2010

/281/ Protocol of state metrological attestation №1718 Current transformer ТЛМ-10-2УЗ Reg.№9055 dated 16.11.2010

/282/ Protocol of state metrological attestation №1719 Current transformer ТЛМ-10-2УЗ Reg.№9137 dated 16.11.2010

/283/ Protocol of state metrological attestation №1720 Current transformer ТПОЛ-10 УЗ Reg.№2978 dated 16.11.2010

/284/ Protocol of state metrological attestation №1721 Current transformer ТПОЛ-10 УЗ Reg.№4969 dated 16.11.2010

/285/ Protocol of state metrological attestation №1722 Current transformer ТПЛМ-10 Reg.№59002 dated 16.11.2010

/286/ Protocol of state metrological attestation №1723 Current transformer ТПЛМ-10 Reg.№68981 dated 16.11.2010

/287/ Protocol of state metrological attestation №1724 Current transformer ТПОЛ-10 Reg.№1181 dated 16.11.2010

/288/ Protocol of state metrological attestation №1725 Current transformer ТПОЛ-10 Reg.№9058 dated 16.11.2010

/289/ Protocol of state metrological attestation №1734 Current transformer ТПЛ-10 УЗ Reg.№5196 dated 15.11.2010

/290/ Protocol of state metrological attestation №1735 Current transformer ТПЛ-10 УЗ Reg.№1735 dated 16.11.2010

/291/ Protocol of state metrological attestation №1736 Current transformer ТПЛ-10 Reg.№6940 dated 16.11.2010

/292/ Protocol of state metrological attestation №1737 Current transformer ТПЛ-10 Reg.№6616 dated 16.11.2010

/293/ Protocol of state metrological attestation №1738 Current transformer ТПЛМ-10 Reg.№83785 dated 16.11.2010

/294/ Protocol of state metrological attestation №1739 Current transformer ТПЛМ-10 Reg.№27111 dated 16.11.2010

/295/ Protocol of state metrological attestation №1740 Current transformer ТПОЛ-10 Reg.№7896 dated 16.11.2010

/296/ Protocol of state metrological attestation №1741 Current transformer ТПОЛ-10 Reg.№8457 dated 16.11.2010

/297/ Protocol of state metrological attestation №1742 Current transformer ТПЛ-10 УЗ Reg.№3058 dated 16.11.2010

/298/ Protocol of state metrological attestation №1743 Current transformer ТПЛ-10 УЗ Reg.№14546 dated 16.11.2010

/299/ Protocol of state metrological attestation №1744 Current transformer ТПОЛ-10 УЗ Reg.№4862 dated 16.11.2010

/300/ Protocol of state metrological attestation №1745 Current transformer ТПОЛ-10 УЗ Reg.№4825 dated 16.11.2010

/301/ Protocol of state metrological attestation №1746 Current transformer ТПЛ-10 УЗ Reg.№8088 dated 16.11.2010

/302/ Protocol of state metrological attestation №1747 Current transformer ТПЛ-10 УЗ Reg.№1712 dated 16.11.2010

/303/ Protocol of state metrological attestation №1748 Current transformer ТПЛ-10 Reg.№1544 dated 16.11.2010
/304/ Protocol of state metrological attestation №1749 Current transformer ТПЛ-10 У3 Reg.№3170 dated 16.11.2010
/305/ Protocol of state metrological attestation №1750 Current transformer ТПЛ-10 У3 Reg.№3329 dated 16.11.2010
/306/ Protocol of state metrological attestation №1751 Current transformer ТПЛ-10 У3 Reg.№2168 dated 16.11.2010
/307/ Protocol of state metrological attestation №1752 Current transformer ТПЛ-10 У3 Reg.№6681 dated 16.11.2010
/308/ Protocol of state metrological attestation №1753 Current transformer ТПЛ-10 У3 Reg.№6805 dated 16.11.2010
/309/ Protocol of state metrological attestation №1754 Current transformer ТПЛ-10 У3 Reg.№4199 dated 16.11.2010
/310/ Protocol of state metrological attestation №1755 Current transformer ТПЛ-10 У3 Reg.№1755 dated 16.11.2010
/311/ Protocol of state metrological attestation №1756 Current transformer ТПЛ-10 У3 Reg.№10104 dated 16.11.2010
/312/ Protocol of state metrological attestation №1757 Current transformer ТПЛМ-10 Reg.№58042 dated 16.11.2010
/313/ Protocol of state metrological attestation №1758 Current transformer ТПЛМ-10 Reg.№07176 dated 16.11.2010
/314/ Protocol of state metrological attestation №1759 Current transformer ТПЛМ-10 Reg.№07157 dated 16.11.2010
/315/ Protocol of state metrological attestation №1760 Current transformer ТПЛМ-10 Reg.№83786 dated 16.11.2010
/316/ Protocol of state metrological attestation №1761 Current transformer ТПЛ-10 Reg.№3576 dated 16.11.2010
/317/ Protocol of state metrological attestation №1762 Current transformer ТПЛ-10 Reg.№6335 dated 16.11.2010
/318/ Protocol of state metrological attestation №1763 Current transformer ТПЛ-10 Reg.№9477 dated 16.11.2010
/319/ Protocol of state metrological attestation №1764 Current transformer ТВЛМ-10 Reg.№93521 dated 17.11.2010
/320/ Protocol of state metrological attestation №1765 Current transformer ТВЛМ-10 Reg.№78800 dated 17.11.2010
/321/ Protocol of state metrological attestation №1766 Current transformer ТВЛМ-10 Reg.№20797 dated 17.11.2010
/322/ Protocol of state metrological attestation №1767 Current transformer ТВЛМ-10 Reg.№21350 dated 17.11.2010
/323/ Protocol of state metrological attestation №1768 Current transformer ТВЛМ-10 Reg.№57330 dated 17.11.2010
/324/ Protocol of state metrological attestation №1769 Current transformer ТВЛМ-10 Reg.№31280 dated 17.11.2010
/325/ Protocol of state metrological attestation №1770 Current transformer ТВЛМ-10 Reg.№27481 dated 17.11.2010
/326/ Protocol of state metrological attestation №1771 Current transformer ТВК-10

УХЛ3 Reg.№01222 dated 17.11.2010

/327/ Protocol of state metrological attestation №1772 Current transformer ТВК-10 УХЛ3 Reg.№02261 dated 17.11.2010

/328/ Protocol of state metrological attestation №1773 Current transformer ТВЛМ-10 Reg.№05460 dated 17.11.2010

/329/ Protocol of state metrological attestation №1774 Current transformer ТВЛМ-10 Reg.№05463 dated 17.11.2010

/330/ Protocol of state metrological attestation №1775 Current transformer ТОЛ-10 УТ 2.1 Reg.№19154 dated 17.11.2010

/331/ Protocol of state metrological attestation №1776 Current transformer ТОЛ-10 УТ 2.1 Reg.№18531 dated 17.11.2010

/332/ Protocol of state metrological attestation №1777 Current transformer ТЛМ-10 2У3 Reg.№8401 dated 17.11.2010

/333/ Protocol of state metrological attestation №1778 Current transformer ТЛМ-10-1У3 Reg.№1127 dated 17.11.2010

/334/ Protocol of state metrological attestation №1779 Current transformer ТОЛ-10 У3 Reg.№200225 dated 17.11.2010

/335/ Protocol of state metrological attestation №1780 Current transformer ТОЛ-10 У3 Reg.№200229 dated 17.11.2010

/336/ Protocol of state metrological attestation №1781 Current transformer ТВЛМ-10 Reg.№41182 dated 18.11.2010

/337/ Protocol of state metrological attestation №1782 Current transformer ТВЛМ-10 Reg.№35559 dated 18.11.2010

/338/ Protocol of state metrological attestation №1783 Current transformer ТВЛМ-10 Reg.№68081 dated 18.11.2010

/339/ Protocol of state metrological attestation №1784 Current transformer ТВЛМ-10 Reg.№13651 dated 18.11.2010

/340/ Protocol of state metrological attestation №1785 Current transformer ТВЛМ-10 Reg.№23002 dated 18.11.2010

/341/ Protocol of state metrological attestation №1786 Current transformer ТВЛМ-10 Reg.№67015 dated 18.11.2010

/342/ Protocol of state metrological attestation №1787 Current transformer ТОЛ-СЭЩ-10-11У2 Reg.№10872 dated 18.11.2010

/343/ Protocol of state metrological attestation №1788 Current transformer ТОЛ-СЭЩ-10-11У2 Reg.№10953 dated 18.11.2010

/344/ Protocol of state metrological attestation №1789 Current transformer ТЛМ-10 2У3 Reg.№6107 dated 18.11.2010

/345/ Protocol of state metrological attestation №1790 Current transformer ТЛМ-10-2 Reg.№7988 dated 18.11.2010

/346/ Protocol of state metrological attestation №1791 Current transformer ТОЛ-10 У3 Reg.№200173 dated 18.11.2010

/347/ Protocol of state metrological attestation №1792 Current transformer ТОЛ-10 У3 Reg.№200178 dated 18.11.2010

/348/ Protocol of state metrological attestation №1793 Current transformer ТВЛМ-10 Reg.№36886 dated 18.11.2010

/349/ Protocol of state metrological attestation №1794 Current transformer ТВЛМ-10 Reg.№19888 dated 18.11.2010

/350/ Protocol of state metrological attestation №1795 Current transformer ТЛМ-10 1УЗ Reg.№1844 dated 18.11.2010
/351/ Protocol of state metrological attestation №1796 Current transformer ТВЛМ-10 Reg.№00912 dated 18.11.2010
/352/ Protocol of state metrological attestation №1797 Current transformer ТОЛ-10 УТ 2.1 Reg.№18499 dated 19.11.2010
/353/ Protocol of state metrological attestation №1798 Current transformer ТОЛ-10 УТ 2.1 Reg.№18483 dated 19.11.2010
/354/ Protocol of state metrological attestation №1799 Current transformer ТВЛМ-10 Reg.№70375 dated 17.11.2010
/355/ Protocol of state metrological attestation №29-2164 Current transformer ТФНД-110М Reg.№16435 dated 04.12.2008
/356/ Protocol of state metrological attestation №29-2165 Current transformer ТФНД-110М Reg.№16331 dated 04.12.2008
/357/ Protocol of state metrological attestation №29-2178 Voltage transformer НКФ-110-57У1 Reg.№5613 dated 04.12.2008
/358/ Protocol of state metrological attestation №29-2179 Voltage transformer НКФ-110-57У1 Reg.№5543 dated 04.12.2008
/359/ Protocol of state metrological attestation №29-2180 Voltage transformer НКФ-110-57У1 Reg.№5433 dated 04.12.2008
/360/ Protocol of state metrological attestation №625 Voltage transformer НТМИ-6 Reg.№1859 dated 03.06.2009
/361/ Protocol of state metrological attestation №626 Voltage transformer НАМИ-10 У2 Reg.№6946 dated 03.06.2009
/362/ Protocol of state metrological attestation №627 Voltage transformer НТМИ-6-66 У3 Reg.№ВПРВ dated 11.06.2009
/363/ Protocol of state metrological attestation №628 Voltage transformer НТМИ-6-66 У3 Reg.№УРТУ dated 11.06.2009
/364/ Protocol of state metrological attestation №629 Voltage transformer НТМИ-І-10 У3 Reg.№090100002 dated 11.06.2009
/365/ Protocol of state metrological attestation №630 Voltage transformer НТМИ-І-10 У3 Reg.№2480 dated 15.06.2009
/366/ Protocol of state metrological attestation №630 Voltage transformer НТМИ-І-10 У3 Reg.№2480 dated 15.06.2009
/367/ Protocol of state metrological attestation №631 Voltage transformer НАМИ-10 У2 Reg.№6774 dated 16.06.2009
/368/ Protocol of state metrological attestation №632 Voltage transformer НАМИ-10 У2 Reg.№6774 dated 16.06.2009
/369/ Protocol of state metrological attestation №632 Voltage transformer НТМИ-І-10 У3 Reg.№090100011 dated 04.06.2009
/370/ Protocol of state metrological attestation №633 Voltage transformer НАМИ-10 У2 Reg.№2558 dated 04.06.2009
/371/ Protocol of state metrological attestation №634 Voltage transformer НТМИ-10-66 У3 Reg.№2471 dated 04.06.2009
/372/ Protocol of state metrological attestation №635 Voltage transformer НТМИ-10-66 У3 Reg.№4082 dated 03.06.2009
/373/ Protocol of state metrological attestation №636 Voltage transformer НТМИ-10-

66 УЗ Reg.№5064 dated 03.06.2009

/374/ Protocol of state metrological attestation №94 Voltage transformer НАМИ-10 У2 Reg.№5073 dated 09.06.2009

/375/ Protocol of state metrological attestation №95 Voltage transformer НТМИ-10-66 Reg.№1211 dated 09.06.2009

/376/ Protocol of state metrological attestation №96 Voltage transformer НАМИ-10 У2 Reg.№861 dated 05.06.2009

/377/ Protocol of state metrological attestation №97 Voltage transformer НТМИ-І-10 У3 Reg.№358 dated 05.06.2009

/378/ Protocol of state metrological attestation №98 Voltage transformer ЗВТМ-10 Reg.№00438 dated 05.06.2009

/379/ Protocol of state metrological attestation №99 Voltage transformer НТМИ-10-66 У3 Reg.№ВАВ dated 16.06.2009

/380/ Register of received tender (price) proposals dated 31.01.2011

/381/ Registering form of reporting 1B-TEE "Electricity balance structure and TEE for transfer in electricity supply networks"

/382/ Report on results of adverticed bidding №6 dated 11.04.2011

/383/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.01.04 - 01.01.05

/384/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.01.05 - 01.01.06

/385/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.01.06 - 01.01.07

/386/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.01.07 - 01.01.08

/387/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.01.08 - 01.01.09

/388/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.01.09 - 01.01.10

/389/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.01.10 - 01.01.11

/390/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.08.02 - 01.08.03

/391/ Report on the realization of investment program of OJSC "EC Chernivtsioblenergo" for the period 01.08.03 - 01.01.04

/392/ Sample of invoice for internal materials transfering

/393/ Sample of statement on electricity meter or current transformer replacement

/394/ Sample of statement on sealing

/395/ Statement №5 on registering of meters data of electric power that is transferred through customs boarder of Ukraine dated 01.02.2011

/396/ Statement №6 on registering of meters data of electric power that is transferred through customs boarder of Ukraine dated 01.02.2011

/397/ Statement of electricity meters rates validation and calculation of quantity of received, supplied electric power from Wholesale market on OJSC "EC Chernivtsioblenergo" for January 2011

/398/ Statement of electricity meters rates validation and calculation of quantity of received, supplied electric power from Wholesale market on PS-330

"Chernivtsi" of OJSC "EC Chernivtsioblenergo" for January 2011

/399/ Statement of electricity meters rates validation and calculation of quantity of received, supplied electric power of Kitsmanskyy distribution zone of OJSC "EC Chernivtsioblenergo" and filiation of Sniatynskyy distribution zone of OJSC "Prykarpattiaoblenergo" for January 2011

/400/ Statement of electricity meters rates validation and calculation of quantity of received, supplied electric power of OJSC "Dnistrovska GAES" of OJSC "EC Chernivtsioblenergo" for January 2011

/401/ Statement of electricity meters rates validation and calculation of quantity of received, supplied electric power of Putylskyy distribution zone of OJSC "EC Chernivtsioblenergo" and filiation of Verkhovynskyy distribution zone of OJSC "Prykarpattiaoblenergo" for January 2011

/402/ Statement of electricity meters rates validation and calculation of quantity of supplied electric power between OJSC "Prykarpattiaoblenergo" and OJSC "EC Chernivtsioblenergo" for January 2010

/403/ Statement of validation between OJSC "Khmelnytskoblenergo" and OJSC "EC Chernivtsioblenergo" for the date 01/02/2011

/404/ Statement of validation between OJSC "Ternopiloblenergo" and OJSC "EC Chernivtsioblenergo" for the date 01/02/2011

/405/ Statement on transfer and acceptance of technical documentation dated 29.11.2010

/406/ Statement on validation of electric power meters data on the line of balance accessory between ZEA "Novosvit" and OJSC "EC Chernivtsioblenergo" for January 2011

/407/ Structure of useful electricity output to the consumers according to the class of voltage for 2010

/408/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2001

/409/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2002

/410/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2003

/411/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2004

/412/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2005

/413/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2006

/414/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2007

/415/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2008

/416/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2009

/417/ Useful supply of electric and heat power and calculations for it of OJSC "EC Chernivtsioblenergo" for December 2010

/418/ Verification certificat for standart metre №11-П/247 Etalon three-phase meter

ЦЭ 6806 П Reg.№9D1115 dated 11.06.2008

/419/ Verification certificat for standart metre №11-П/482 Etalon three-phase meter ЦЭ 6806 П Reg.№9D1115 dated 20.07.2009

/420/ Verification certificat for standart metre №29-09/1442 Current transformer И 561 Reg.№145 dated 01.07.2009

/421/ Verification certificat for standart metre №29-09/1443 Current transformer И 561 Reg.№155 dated 01.07.2009

/422/ Verification certificat for standart metre №29-09/1444 Current transformer И 561 Reg.№147 dated 01.07.2009

/423/ Verification certificate for measurement device №0858 Voltage transformer НОМ-10-66 УЗ Reg.№ДСКД dated 25.11.2008

/424/ Verification certificate for measurement device №0859 Voltage transformer НОМ-10-66 УЗ Reg.№ДРВВ dated 25.11.2008

/425/ Verification certificate for measurement device №1122 Current transformer ТПЛ-10 Reg.№72145 dated 09.11.2006

/426/ Verification certificate for measurement device №1123 Current transformer ТПЛ-10 Reg.№72215 dated 09.11.2006

/427/ Verification certificate for measurement device №1124 Current transformer ТПЛ-10 Reg.№71613 dated 09.11.2006

/428/ Verification certificate for measurement device №1125 Current transformer ТПЛ-10 Reg.№72232 dated 09.11.2006

/429/ Verification certificate for measurement device №1510 Current transformer ТПЛ-10 УЗ Reg.№90783 dated 08.10.2008

/430/ Verification certificate for measurement device №1511 Current transformer ТПЛ-10 УЗ Reg.№63183 dated 08.10.2008

/431/ Verification certificate for measurement device №1656 Current transformer ТПФМ-10 Reg.№51583 dated 16.11.2010

/432/ Verification certificate for measurement device №1657 Current transformer ТПФМ-10 Reg.№45422 dated 16.11.2010

/433/ Verification certificate for measurement device №1658 Current transformer ТПЛМ-10 Reg.№63143 dated 16.11.2010

/434/ Verification certificate for measurement device №1659 Current transformer ТПЛМ-10 Reg.№62548 dated 16.11.2010

/435/ Verification certificate for measurement device №1660 Current transformer ТПЛ-10 УЗ Reg.№7598 dated 16.11.2010

/436/ Verification certificate for measurement device №1661 Current transformer ТПЛ-10 УЗ Reg.№4156 dated 16.11.2010

/437/ Verification certificate for measurement device №1662 Current transformer ТПЛ-10 Reg.№14080 dated 16.11.2010

/438/ Verification certificate for measurement device №1665 Current transformer ТЛК-10-5УЗ Reg.№7563 dated 16.11.2010

/439/ Verification certificate for measurement device №1712 Current transformer ТЛМ-10 2УЗ Reg.№3497 dated 16.11.2010

/440/ Verification certificate for measurement device №1713 Current transformer ТЛМ-10 2УЗ Reg.№6272 dated 16.11.2010

/441/ Verification certificate for measurement device №1714 Current transformer ТВЛМ-10 Reg.№82917 dated 16.11.2010

/442/ Verification certificate for measurement device №1715 Current transformer ТВЛМ-10 Reg.№82901 dated 16.11.2010
/443/ Verification certificate for measurement device №1716 Current transformer ТОЛ-10-2У3 Reg.№4725 dated 16.11.2010
/444/ Verification certificate for measurement device №1717 Current transformer ТЛМ-10-2У3 Reg.№4653 dated 16.11.2010
/445/ Verification certificate for measurement device №1718 Current transformer ТЛМ-10-2У3 Reg.№9055 dated 16.11.2010
/446/ Verification certificate for measurement device №1719 Current transformer ТЛМ-10-2У3 Reg.№9137 dated 16.11.2010
/447/ Verification certificate for measurement device №1720 Current transformer ТПОЛ-10 У3 Reg.№2978 dated 16.11.2010
/448/ Verification certificate for measurement device №1721 Current transformer ТПОЛ-10 У3 Reg.№4969 dated 16.11.2010
/449/ Verification certificate for measurement device №1722 Current transformer ТПЛМ-10 Reg.№59002 dated 16.11.2010
/450/ Verification certificate for measurement device №1723 Current transformer ТПЛМ-10 Reg.№68981 dated 16.11.2010
/451/ Verification certificate for measurement device №1724 Current transformer ТПОЛ-10 Reg.№1181 dated 16.11.2010
/452/ Verification certificate for measurement device №1725 Current transformer ТПОЛ-10 Reg.№9058 dated 16.11.2010
/453/ Verification certificate for measurement device №1736 Current transformer ТПЛ-10 Reg.№6940 dated 16.11.2010
/454/ Verification certificate for measurement device №1737 Current transformer ТПЛ-10 Reg.№6616 dated 16.11.2010
/455/ Verification certificate for measurement device №1738 Current transformer ТПЛМ-10 Reg.№83785 dated 16.11.2010
/456/ Verification certificate for measurement device №1739 Current transformer ТПЛМ-10 Reg.№27111 dated 16.11.2010
/457/ Verification certificate for measurement device №1740 Current transformer ТПОЛ-10 Reg.№7896 dated 16.11.2010
/458/ Verification certificate for measurement device №1741 Current transformer ТПОЛ-10 Reg.№8457 dated 16.11.2010
/459/ Verification certificate for measurement device №1742 Current transformer ТПЛ-10 У3 Reg.№3058 dated 16.11.2010
/460/ Verification certificate for measurement device №1743 Current transformer ТПЛ-10 У3 Reg.№14546 dated 16.11.2010
/461/ Verification certificate for measurement device №1744 Current transformer ТПОЛ-10 У3 Reg.№4862 dated 16.11.2010
/462/ Verification certificate for measurement device №1745 Current transformer ТПОЛ-10 У3 Reg.№4825 dated 16.11.2010
/463/ Verification certificate for measurement device №1748 Current transformer ТПЛ-10 Reg.№1544 dated 16.11.2010
/464/ Verification certificate for measurement device №1752 Current transformer ТПЛ-10 У3 Reg.№6681 dated 16.11.2010
/465/ Verification certificate for measurement device №1753 Current transformer

ТПЛ-10 У3 Reg.№6805 dated 16.11.2010

/466/ Verification certificate for measurement device №1754 Current transformer ТПЛ-10 У3 Reg.№4199 dated 16.11.2010

/467/ Verification certificate for measurement device №1758 Current transformer ТПЛМ-10 Reg.№07176 dated 16.11.2010

/468/ Verification certificate for measurement device №1759 Current transformer ТПЛМ-10 Reg.№07157 dated 16.11.2010

/469/ Verification certificate for measurement device №1760 Current transformer ТПЛМ-10 Reg.№83786 dated 16.11.2010

/470/ Verification certificate for measurement device №1761 Current transformer ТПЛ-10 Reg.№3576 dated 16.11.2010

/471/ Verification certificate for measurement device №1762 Current transformer ТПЛ-10 Reg.№6335 dated 16.11.2010

/472/ Verification certificate for measurement device №1763 Current transformer ТПЛ-10 Reg.№9477 dated 16.11.2010

/473/ Verification certificate for measurement device №1764 Current transformer ТВЛМ-10 Reg.№93521 dated 17.11.2010

/474/ Verification certificate for measurement device №1765 Current transformer ТВЛМ-10 Reg.№78800 dated 17.11.2010

/475/ Verification certificate for measurement device №1766 Current transformer ТВЛМ-10 Reg.№20797 dated 17.11.2010

/476/ Verification certificate for measurement device №1767 Current transformer ТВЛМ-10 Reg.№21350 dated 17.11.2010

/477/ Verification certificate for measurement device №1768 Current transformer ТВЛМ-10 Reg.№57330 dated 17.11.2010

/478/ Verification certificate for measurement device №1769 Current transformer ТВЛМ-10 Reg.№31280 dated 17.11.2010

/479/ Verification certificate for measurement device №1770 Current transformer ТВЛМ-10 Reg.№27481 dated 17.11.2010

/480/ Verification certificate for measurement device №1771 Current transformer ТВК-10 УХЛ3 Reg.№01222 dated 17.11.2010

/481/ Verification certificate for measurement device №1772 Current transformer ТВК-10 УХЛ3 Reg.№02261 dated 17.11.2010

/482/ Verification certificate for measurement device №1773 Current transformer ТВЛМ-10 Reg.№05460 dated 17.11.2010

/483/ Verification certificate for measurement device №1774 Current transformer ТВЛМ-10 Reg.№05463 dated 17.11.2010

/484/ Verification certificate for measurement device №1775 Current transformer ТОЛ-10 УТ 2.1 Reg.№19154 dated 17.11.2010

/485/ Verification certificate for measurement device №1776 Current transformer ТОЛ-10 УТ 2.1 Reg.№18531 dated 17.11.2010

/486/ Verification certificate for measurement device №1777 Current transformer ТЛМ-10 2У3 Reg.№8401 dated 17.11.2010

/487/ Verification certificate for measurement device №1778 Current transformer ТЛМ-10-1У3 Reg.№1127 dated 17.11.2010

/488/ Verification certificate for measurement device №1779 Current transformer ТОЛ-10 У3 Reg.№200225 dated 17.11.2010

/489/ Verification certificate for measurement device №1780 Current transformer ТОЛ-10 У3 Reg.№200229 dated 17.11.2010
/490/ Verification certificate for measurement device №1781 Current transformer ТВЛМ-10 Reg.№41182 dated 18.11.2010
/491/ Verification certificate for measurement device №1782 Current transformer ТВЛМ-10 Reg.№35559 dated 18.11.2010
/492/ Verification certificate for measurement device №1783 Current transformer ТВЛМ-10 Reg.№68081 dated 18.11.2010
/493/ Verification certificate for measurement device №1784 Current transformer ТВЛМ-10 Reg.№13651 dated 18.11.2010
/494/ Verification certificate for measurement device №1785 Current transformer ТВЛМ-10 Reg.№23002 dated 18.11.2010
/495/ Verification certificate for measurement device №1786 Current transformer ТВЛМ-10 Reg.№67015 dated 18.11.2010
/496/ Verification certificate for measurement device №1787 Current transformer ТОЛ-СЭЩ-10-11У2 Reg.№10872 dated 18.11.2010
/497/ Verification certificate for measurement device №1788 Current transformer ТОЛ-СЭЩ-10-11У2 Reg.№10953 dated 18.11.2010
/498/ Verification certificate for measurement device №1789 Current transformer ТЛМ-10 2У3 Reg.№6107 dated 18.11.2010
/499/ Verification certificate for measurement device №1790 Current transformer ТЛМ-10-2 Reg.№7988 dated 18.11.2010
/500/ Verification certificate for measurement device №1791 Current transformer ТОЛ-10 У3 Reg.№200173 dated 18.11.2010
/501/ Verification certificate for measurement device №1792 Current transformer ТОЛ-10 У3 Reg.№200178 dated 18.11.2010
/502/ Verification certificate for measurement device №1793 Current transformer ТВЛМ-10 Reg.№36886 dated 18.11.2010
/503/ Verification certificate for measurement device №1794 Current transformer ТВЛМ-10 Reg.№19888 dated 18.11.2010
/504/ Verification certificate for measurement device №1795 Current transformer ТЛМ-10 1У3 Reg.№1844 dated 18.11.2010
/505/ Verification certificate for measurement device №1796 Current transformer ТВЛМ-10 Reg.№00912 dated 18.11.2010
/506/ Verification certificate for measurement device №1797 Current transformer ТОЛ-10 УТ 2.1 Reg.№18499 dated 19.11.2010
/507/ Verification certificate for measurement device №1798 Current transformer ТОЛ-10 УТ 2.1 Reg.№18483 dated 19.11.2010
/508/ Verification certificate for measurement device №1799 Current transformer ТВЛМ-10 Reg.№70375 dated 17.11.2010
/509/ Verification certificate for measurement device №625 Voltage transformer НТМИ-6 Reg.№1859 dated 03.06.2009
/510/ Verification certificate for measurement device №626 Voltage transformer НАМИ-10 У2 Reg.№6946 dated 03.06.2009
/511/ Verification certificate for measurement device №627 Voltage transformer НТМИ-6-66 У3 Reg.№ВПРВ dated 11.06.2009
/512/ Verification certificate for measurement device №628 Voltage transformer

НТМИ-6-66 УЗ Reg.№УРТУ dated 11.06.2009

/513/ Verification certificate for measurement device №629 Voltage transformer НТМИ-І-10 УЗ Reg.№090100002 dated 11.06.2009

/514/ Verification certificate for measurement device №630 Voltage transformer НТМИ-І-10 УЗ Reg.№2480 dated 15.06.2009

/515/ Verification certificate for measurement device №630 Voltage transformer НТМИ-І-10 УЗ Reg.№2480 dated 15.06.2009

/516/ Verification certificate for measurement device №631 Voltage transformer НАМИ-10 У2 Reg.№6774 dated 16.06.2009

/517/ Verification certificate for measurement device №632 Voltage transformer НАМИ-10 У2 Reg.№6774 dated 16.06.2009

/518/ Verification certificate for measurement device №632 Voltage transformer НТМИ-І-10 УЗ Reg.№090100011 dated 04.06.2009

/519/ Verification certificate for measurement device №633 Voltage transformer НАМИ-10 У2 Reg.№2558 dated 04.06.2009

/520/ Verification certificate for measurement device №634 Voltage transformer НТМИ-10-66 УЗ Reg.№2471 dated 04.06.2009

/521/ Verification certificate for measurement device №635 Voltage transformer НТМИ-10-66 УЗ Reg.№4082 dated 03.06.2009

/522/ Verification certificate for measurement device №636 Voltage transformer НТМИ-10-66 УЗ Reg.№5064 dated 03.06.2009

/523/ Verification certificate for measurement device №666 Current transformer ТПЛМ-10 Reg.№68135 dated 08.11.2005

/524/ Verification certificate for measurement device №668 Current transformer ТПЛМ-10 Reg.№71844 dated 08.11.2005

/525/ Verification certificate for working measurement device №0054 Current transformer ТПЛ-10 Reg.№9645 dated 07.02.2007

/526/ Verification certificate for working measurement device №0055 Current transformer ТПЛ-10 Reg.№1265 dated 07.02.2007

/527/ Verification certificate for working measurement device №0061 Current transformer ТЛМ-10-193 Reg.№1127 dated 09.02.2007

/528/ Verification certificate for working measurement device №0062 Current transformer ТЛМ-10-293 Reg.№8901 dated 09.02.2007

/529/ Verification certificate for working measurement device №0084 Current transformer ТОЛ-10 УЗ Reg.№200229 dated 16.02.2007

/530/ Verification certificate for working measurement device №0085 Current transformer ТОЛ-10 УЗ Reg.№200173 dated 16.02.2007

/531/ Verification certificate for working measurement device №0086 Current transformer ТОЛ-10 УЗ Reg.№200178 dated 16.02.2007

/532/ Verification certificate for working measurement device №0087 Current transformer ТОЛ-10 УЗ Reg.№200225 dated 16.02.2007

/533/ Verification certificate for working measurement device №1319 Current transformer ТПЛ-10 Reg.№63037 dated 05.07.2006

/534/ Verification certificate for working measurement device №1320 Current transformer ТПЛМ-10 Reg.№635 dated 05.07.2006

/535/ Verification certificate for working measurement device №1321 Current transformer ТПЛ-10 Reg.№6326 dated 05.07.2006

/536/ Verification certificate for working measurement device №1322 Current transformer ТПЛ-10 Reg.№63594 dated 05.07.2006
/537/ Verification certificate for working measurement device №1323 Current transformer ТПЛ-10 Reg.№63588 dated 05.07.2006
/538/ Verification certificate for working measurement device №1325 Current transformer ТПЛ-10 Reg.№63584 dated 05.07.2006
/539/ Verification certificate for working measurement device №1384 Current transformer ТПЛ-10 Reg.№63699 dated 12.07.2006
/540/ Verification certificate for working measurement device №1385 Current transformer ТПЛ-10 Reg.№63587 dated 12.07.2006
/541/ Verification certificate for working measurement device №1386 Current transformer ТПЛМ-10 Reg.№63589 dated 12.07.2006
/542/ Verification certificate for working measurement device №1387 Current transformer ТПЛ-10 Reg.№63541 dated 12.07.2006
/543/ Verification certificate for working measurement device №1403 Current transformer ТПЛ-10 Reg.№12185, 47150 dated 10.10.2006
/544/ Verification certificate for working measurement device №1404 Current transformer ТПЛ-10 Reg.№28934, 28207 dated 10.10.2006
/545/ Verification certificate for working measurement device №1485 Current transformer ТПЛМ-10 Reg.№40025 dated 21.07.2006
/546/ Verification certificate for working measurement device №1701 Current transformer ТПЛМ-10 Reg.№66104 dated 21.08.2006
/547/ Verification certificate for working measurement device №2859 Current transformer ТЛМ-10 Reg.№2001 dated 09.01.2008
/548/ Verification certificate for working measurement device №2860 Current transformer ТЛМ-10 Reg.№2023 dated 09.01.2008
/549/ Verification certificate for working measurement device №313 Current transformer ТЛМ-10 Reg.№7988 dated 20.02.2007
/550/ Verification certificate for working measurement device №314 Current transformer ТЛМ-10 Reg.№6107 dated 20.02.2007
/551/ Verification certificate for working measurement device №487 Current transformer ТПЛ-10 Reg.№26 dated 20.07.2005
/552/ Verification certificate for working measurement device №504 Current transformer ТПЛ-10 У3 Reg.№31297 dated 18.05.2006
/553/ Verification certificate for working measurement device №505 Current transformer ТПЛ-10 У3 Reg.№30572 dated 18.05.2006
/554/ Verification certificate for working measurement device №506 Current transformer ТПЛ-10 Reg.№25309 dated 16.06.2007
/555/ Verification certificate for working measurement device №525 Current transformer ТПЛ-10 У3 Reg.№5932 dated 20.06.2007
/556/ Verification certificate for working measurement device №526 Current transformer ТПЛ-10 У3 Reg.№0444 dated 20.06.2007
/557/ Verification certificate for working measurement device №552 Current transformer ТПЛ-10 У3 Reg.№3795 dated 29.05.2006
/558/ Verification certificate for working measurement device №553 Current transformer ТПЛ-10 У3 Reg.№3884 dated 29.05.2006
/559/ Verification certificate for working measurement device №567 Current

transformer ТПЛ-10 Reg.№26413 dated 29.08.2005

/560/ Verification certificate for working measurement device №567 Current transformer ТПЛ-10 Reg.№26413 dated 29.08.2005

/561/ Verification certificate for working measurement device №568 Current transformer ТПЛ-10 УЗ Reg.№1221 dated 29.08.2005

/562/ Verification certificate for working measurement device №672 Current transformer ТПЛМ-10 УЗ Reg.№91880 dated 13.07.2006

/563/ Verification certificate for working measurement device №673 Current transformer ТПЛМ-10 УЗ Reg.№91015 dated 13.07.2006

/564/ Verification certificate for working measurement device №691 Current transformer ТОЛ-10 Reg.№34193 dated 06.09.2007

/565/ Verification certificate for working measurement device №693 Current transformer ТПЛ-10 УЗ Reg.№43467 dated 06.09.2007

/566/ Verification certificate for working measurement device №694 Current transformer ТПЛ-10 УЗ Reg.№33370 dated 06.09.2007

/567/ Verification certificate for working measurement device №720 Current transformer ТПЛМ-10 Reg.№06677 dated 20.07.2006

/568/ Verification certificate for working measurement device №721 Current transformer ТПЛМ-10 Reg.№06644 dated 20.07.2006

/569/ Verification certificate for working measurement device №722 Current transformer ТПЛМ-10 Reg.№76356 dated 20.07.2006

/570/ Verification certificate for working measurement device №806 Current transformer ТПЛ-10 Reg.№22278 dated 24.06.2005

/571/ Verification certificate for working measurement device №816 Current transformer ТПЛ-10 Reg.№24769 dated 24.06.2005

/572/ Verification certificate for working measurement device №9-07/0594 Current transformer ТПЛ-10 Reg.№0742 dated 29.03.2007

/573/ Verification certificate for working measurement device №ЕТЛ 219 Current transformer ТПЛМ Reg.№12637 dated 20.11.2007

/574/ Verification certificate for working measurement device №ЕТЛ 268 Current transformer ТПЛМ-10 Reg.№61287 dated 20.11.2007

/575/ Verification certificate for working measurement device №ЕТЛ 270 Current transformer ТПЛМ-10 Reg.№33720 dated 20.11.2007

/576/ Verification certificate for working measurement device №ЕТЛ 3/5 Current transformer ТПЛМ-10 Reg.№68633 dated 20.11.2007

/577/ Verification certificate for working measurement device. Current transformer ТОЛ-10 Reg.№34196 dated 06.09.2007

Persons interviewed:

List persons interviewed during the determination or persons that contributed with other information that are not included in the documents listed above.

/1/ Pavlo Osovyi - Director of Economy and Finance

/2/ Igor Komov - Technical Director

/3/ Stepan Melnyk - Commercial Director

/4/ Maria Golka - Head of Production and Technical Department

/5/ Marina Hrymailo - Head of the balance and normalization TVE Department

/6/ Gregory Ulianov - Head of metering and metrological support

/7/ Prots R. – representative of Ltd “EES”

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APPENDIX A: DETERMINATION PROTOCOL

Table 1 Check list for determination, according JOINT IMPLEMENTATION DETERMINATION AND VERIFICATION MANUAL (Version 01)

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
General description of the project				
Title of the project				
-	Is the title of the project presented?	EC Chernivtsioblenergo PJSC power distribution system modernization	OK	OK
-	Is the sectoral scope to which the project pertains presented?	Sectoral Scope: (2) Energy Distribution	OK	OK
-	Is the current version number of the document presented?	PDD version number: 2.0	OK	OK
-	Is the date when the document was completed presented?	Data of Completion: 29/08/2011	OK	OK
Description of the project				
-	Is the purpose of the project included with a concise, summarizing explanation (max. 1-2 pages) of the: a) Situation existing prior to the starting date of the project; b) Baseline scenario; and c) Project scenario (expected outcome, including a technical description)?	Corrective Action Request (CAR) 01: Please use in the PDD font size provided «JOINT IMPLEMENTATION PROJECT DESIGN DOCUMENT FORM» - version 01.	CAR01	OK
-	Is the history of the project (incl. its JI component) briefly summarized?	Corrective Action Request (CAR) 02: Please provide brief description of the project history.	CAR02	OK
Project participants				
-	Are project participants and Party(ies) involved in the project listed?	Project participants and parties listed in the table in section A.3 of PDD. Parties Project: Ukraine (host country), Switzerland.		

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		Corrective Action Request (CAR) 03: Please provide brief information about the company «Carbon Management Company GmbH». in section A.3, and relevant information about this company in Annex 1.	CAR03	OK
-	Is the data of the project participants presented in tabular format?	Corrective Action Request (CAR) 04: Table A.3 in the PDD must be submitted in a format that provided in the version 04 of the "Guidelines for users of the JI PDD form".	CAR04	OK
-	Is contact information provided in Annex 1 of the PDD?	Contact information on project participants listed in Annex 1 to PDD.	OK	OK
-	Is it indicated, if it is the case, if the Party involved is a host Party?	No, the host Party is not indicated as the party involved.	OK	OK
Technical description of the project				
Location of the project				
-	Host Party(ies)	Ukraine	OK	OK
-	Region/State/Province etc.	The project is located in the Chernivtsi and its region of Ukraine	OK	OK
-	City/Town/Community etc.	Chernivtsi city	OK	OK
-	Detail of the physical location, including information allowing the unique identification of the project. (This section should not exceed one page)	The project is implemented by objects EC Chernivtsioblenergo PJSC located in Chernivtsi and its region. Also see. Section A.4.1.4 PDD. Corrective Action Request (CAR) 05: Section A.4.1.4 more than 1 page.	CAR05	OK
Technologies to be employed, or measures, operations or actions to be implemented by the project				
-	Are the technology(ies) to be employed, or measures, operations or actions to be implemented by the project, including all relevant technical data and the implementation schedule described?	The project include implementing program of technology power consumption reduction in EC Chernivtsioblenergo PJSC power networks which includes a number of technical and organizational measures listed in section A.4.2 PDD.		

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		Corrective Action Request (CAR) 06: Implementation schedule is not described.	CAR06	OK
Brief explanation of how the anthropogenic emissions of greenhouse gases by sources are to be reduced by the proposed JI project, including why the emission reductions would not occur in the absence of the proposed project, taking into account national and/or sectoral policies and circumstances				
-	Is it stated how anthropogenic GHG emission reductions are to be achieved? (This section should not exceed one page)	Reduction of technological losses of electricity in the power network of the company has reduced CO2 emissions that resulted due to the generation of lost electricity.	OK	OK
-	Is it provided the estimation of emission reductions over the crediting period?	Clarification Request (CL) 01: Please include in this section refer to the corresponding «Excel» file with the calculations. Clarification Request (CL) 02: Please number the tables with information of the estimates (calculations) of emission reductions.	CL01 CL02	OK OK
-	Is it provided the estimated annual reduction for the chosen credit period in tCO2e?	Yes, the estimated annual reduction for the chosen credit period in tCO2e is provided.	OK	OK
-	Are the data from questions above presented in tabular format?	Yes.	OK	OK
Estimated amount of emission reductions over the crediting period				
-	Is the length of the crediting period Indicated?	Yes, length of crediting period is 22 years (264 months).	OK	OK
-	Are estimates of total as well as annual and average annual emission reductions in tonnes of CO2 equivalent provided?	Yes, estimates of total as well as annual and average annual emission reductions in tonnes of CO2 equivalent provided in section A.4.3.1 of PDD.	OK	OK
Project approvals by Parties				
19	Have the DFPs of all Parties listed as “Parties involved” in the PDD provided written project approvals?	Clarification Request (CL) 03: Section A.5 PDD must specify the name DFPs (parties involved) that will approve the project.	CL03	OK
19	Does the PDD identify at least the host Party as a “Party involved”?	Yes, Ukraine is the Host Party.	OK	OK
19	Has the DFP of the host Party issued a written project approval?	Corrective Action Request (CAR) 07: No Letters of Aapproval of the project issued by the parties	CAR07	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		involved.		
20	Are all the written project approvals by Parties involved unconditional?	See CAR07 above.	OK	OK
Authorization of project participants by Parties involved				
21	Is each of the legal entities listed as project participants in the PDD authorized by a Party involved, which is also listed in the PDD, through: − A written project approval by a Party involved, explicitly indicating the name of the legal entity? or − Any other form of project participant authorization in writing, explicitly indicating the name of the legal entity?	See CAR07 above.	OK	OK
Baseline setting				
22	Does the PDD explicitly indicate which of the following approaches is used for identifying the baseline? − JI specific approach − Approved CDM methodology approach	PDD describes the approach used to identify the baseline scenario, additionality and monitoring plan of the project. To determine the above mentioned methodological tools were used “Combined tool to identify the baseline scenario and demonstrate additionality” (Version 02.2). <u>Clarification Request (CL) 04:</u> Please specify which approach was used to identify the baseline scenario and additionality: • JI specific approach • Approved CDM methodology approach. <u>Corrective Action Request (CAR) 08</u>: Please provide date of baseline setting according required format DD/MM/YYYY.	CL04 CAR08	OK OK
JI specific approach only				
23	Does the PDD provide a detailed theoretical	Yes, the PDD provide a detailed theoretical description in a	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	description in a complete and transparent manner?	complete and transparent manner.		
23	Does the PDD provide justification that the baseline is established: (a) By listing and describing plausible future scenarios on the basis of conservative assumptions and selecting the most plausible one? (b) Taking into account relevant national and/or sectoral policies and circumstance? − Are key factors that affect a baseline taken into account? (c) In a transparent manner with regard to the choice of approaches, assumptions, methodologies, parameters, date sources and key factors? (d) Taking into account of uncertainties and using conservative assumptions? (e) In such a way that ERUs cannot be earned for decreases in activity levels outside the project or due to force majeure? (f) By drawing on the list of standard variables contained in appendix B to "Guidance on criteria for baseline setting and monitoring", as appropriate?	In the PDD in a reasonable way showed that the baseline was determined by compiling a listing and description of real scenarios of future scenarios based on conservative assumptions and subsequent selection the most attractive of these scenarios.	OK	OK
24	If selected elements or combinations of approved CDM methodologies or methodological tools for baseline setting are used, are the selected elements or combinations together with the elements supplementary developed by the project participants in line with 23 above?	To determine the baseline scenario and demonstrate additionality used "Combined tool to identify the baseline scenario and demonstrate additionality" (Version 03.0.0).	OK	OK
25	If a multi-project emission factor is used, does	For baseline emissions calculations were used CO2	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	the PDD provide appropriate justification?	emission factor for the projects of reducing electricity consumption for it transmission by Ukrainian electricity networks. All factors are justified.		
Approved CDM methodology approach only				
26 (a)	Does the PDD provide the title, reference number and version of the approved CDM methodology used?	N/A	OK	OK
26 (a)	Is the approved CDM methodology the most recent valid version when the PDD is submitted for publication? If not, is the methodology still within the grace period (was the methodology revised to a newer version in the past two months)?	N/A	OK	OK
26 (b)	Does the PDD provide a description of why the approved CDM methodology is applicable to the project?	N/A	OK	OK
26 (c)	Are all explanations, descriptions and analyses pertaining to the baseline in the PDD made in accordance with the referenced approved CDM methodology?	N/A	OK	OK
26 (d)	Is the baseline identified appropriately as a result?	N/A	OK	OK
Additionality				
JI specific approach only				
28	Does the PDD indicate which of the following approaches for demonstrating additionality is used? (a) Provision of traceable and transparent information showing the baseline was identified on the basis of conservative assumptions, that the project scenario is not part of the identified baseline scenario and that the project will lead	Section B.1 of the PDD the analysis of project additionality, which aims to demonstrate that the project scenario is not part of the specified baseline, and that the project will achieve GHG emissions reductions against to baseline. The analysis was performed based on the latest version of "Combined tool to identify the baseline scenario and demonstrate additionality" (Version 03.0.0), which was approved by the CDM Executive Board and fully applied to JI	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	to emission reductions or enhancements of removals; (b) Provision of traceable and transparent information that an AIE has already positively determined that a comparable project (to be) implemented under comparable circumstances has additionality; (c) Application of the most recent version of the "Tool for the demonstration and assessment of additionality. (allowing for a two-month grace period) or any other method for proving additionality approved by the CDM Executive Board".	projects.		
29 (a)	Does the PDD provide a justification of the applicability of the approach with a clear and transparent description?	Barriers analysis and common practice which applied considered are good practice of additionality demonstration of the project activity.	OK	OK
29 (b)	Are additionality proofs provided?	Corrective Action Request (CAR) 09: In the PDD does not specify how the registration of this project as JI project will help overcome identified technological barriers.	CAR09	OK
29 (c)	Is the additionality demonstrated appropriately as a result?	See CAR09 above.	OK	OK
30	If the approach 28 (c) is chosen, are all explanations, descriptions and analyses made in accordance with the selected tool or method?	All explanations, descriptions and analyses are made in accordance with the selected tool.	OK	OK
Approved CDM methodology approach only				
31 (a)	Does the PDD provide the title, reference number and version of the approved CDM methodology used?	N/A	OK	OK
31 (b)	Does the PDD provide a description of why and how the referenced approved CDM	N/A	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	methodology is applicable to the project?			
31 (c)	Are all explanations, descriptions and analyses with regard to additionality made in accordance with the selected methodology?	N/A	OK	OK
31 (d)	Are additionality proofs provided?	N/A	OK	OK
31 (e)	Is the additionality demonstrated appropriately as a result?	N/A	OK	OK
Project boundary (applicable except for JI LULUCF projects)				
JI specific approach only				
32 (a)	Does the project boundary defined in the PDD encompass all anthropogenic emissions by sources of GHGs that are: (i) Under the control of the project participants? (ii) Reasonably attributable to the project? (iii) Significant?	Yes, the project boundary defined in line with all presented requirements.	OK	OK
32 (b)	Is the project boundary defined on the basis of a case-by-case assessment with regard to the criteria referred to in 32 (a) above?	Yes, the project boundary defined on the basis of a case-by-case assessment with regard to the criteria referred to in 32 (a) above.	OK	OK
32 (c)	Are the delineation of the project boundary and the gases and sources included appropriately described and justified in the PDD by using a figure or flow chart as appropriate?	Yes, project boundary represented the scheme form on Fig. 3a and 3b and in tabular form in Table 4.	OK	OK
32 (d)	Are all gases and sources included explicitly stated, and the exclusions of any sources related to the baseline or the project are appropriately justified?	Clarification Request (CL) 05: Please change the title of fourth column Table 4 (Section B.3 PDD). Title "Included?" recommend changing the "Included/Excluded" Clarification Request (CL) 06: Precise figures numbering in the PDD. Corrective Action Request (CAR) 10:	CL05 CL06 CAR10	OK OK OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		During site visit to the company PJSC "Chernivtsioblenergo" determination team found that some equipment implemented within project activities (eg circuit breakers) included insulating gas (SF6). Please include the insulating gas to the list of project emissions.		
Approved CDM methodology approach only				
33	Is the project boundary defined in accordance with the approved CDM methodology?	N/A	OK	OK
Crediting period				
34 (a)	Does the PDD state the starting date of the project as the date on which the implementation or construction or real action of the project will begin or began?	21/02/2002 PJSC«Chernivtsioblenergo» management decision about TPL reduction programme development and realization, (Protocol № 8), and this is also the date of the given project recognition as JI project.	OK	OK
34 (a)	Is the starting date after the beginning of 2000?	Yes.	OK	OK
34 (b)	Does the PDD state the expected operational lifetime of the project in years and months?	25 years (300 months)	OK	OK
34 (c)	Does the PDD state the length of the crediting period in years and months?	22 years (264 months)	OK	OK
34 (c)	Is the starting date of the crediting period on or after the date of the first emission reductions or enhancements of net removals generated by the project?	Yes, starting date of the crediting period is after the date the first emission reductions are generated.	OK	OK
34 (d)	Does the PDD state that the crediting period for issuance of ERUs starts only after the beginning of 2008 and does not extend beyond the operational lifetime of the project?	Clarification Request (CL) 07: Please specify that the crediting period of ERUs generating started after the beginning of 2008 and continuing over the life cycle.	CL07	OK
34 (d)	If the crediting period extends beyond 2012, does the PDD state that the extension is subject to the host Party approval? Are the estimates of emission reductions or enhancements of net removals presented separately for those until 2012 and those after	Clarification Request (CL) 08: Please specify that crediting period extension beyond 2012 requires approval by the Host country.	CL08	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	2012?			
Monitoring plan				
35	Does the PDD explicitly indicate which of the following approaches is used? − JI specific approach − Approved CDM methodology approach	Clarification Request (CL) 09: JI specific approach for monitoring plan identification is used in the PDD, but it is not explicitly indicated. Please clearly clarify in PDD what approach was used.	CL09	OK
JI specific approach only				
36 (a)	Does the monitoring plan describe: − All relevant factors and key characteristics that will be monitored? − The period in which they will be monitored? − All decisive factors for the control and reporting of project performance?	The approach of monitoring developed for this project corresponds to assumptions and practices used in the baseline approach. This approach to monitoring requires monitoring and measurement of variables and parameters necessary for quantitative determination of baseline and project emission levels in transparent manner. Clarification Request (CL) 10: Please provide justification for choosing of the each used parameters.	CL10	OK
36 (b)	Does the monitoring plan specify the indicators, constants and variables used that are reliable, valid and provide transparent picture of the emission reductions or enhancements of net removals to be monitored?	See CL10 above.	OK	OK
36 (b)	If default values are used: − Are accuracy and reasonableness carefully balanced in their selection? − Do the default values originate from recognized sources? − Are the default values supported by statistical analyses providing reasonable confidence levels? − Are the default values presented in a transparent manner?	Corrective Action Request (CAR) 11: Used TPC rate include technical and commercial consumption and losses. Commercial losses have no impact on GHG emissions and must be excluded from calculations.	CAR11	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
36 (b) (i)	For those values that are to be provided by the project participants, does the monitoring plan clearly indicate how the values are to be selected and justified?	Yes. All procedures of selection and justification of necessary values are described.	OK	OK
36 (b) (ii)	For other values, − Does the monitoring plan clearly indicate the precise references from which these values are taken? − Is the conservativeness of the values provided justified?	Corrective Action Request (CAR) 12: Please specify who is responsible for providing actual value of CO2 emission factor for the projects of reducing electricity consumption for it transmission by Ukrainian electricity networks.	CAR12	OK
36 (b) (iii)	For all data sources, does the monitoring plan specify the procedures to be followed if expected data are unavailable?	Corrective Action Request (CAR) 13: Please indicate in PDD that the data monitored and required for the project determination will be kept for two years after the last transfer of ERUs the project.	CAR13	OK
36 (b) (iv)	Are International System Unit (SI units) used?	Yes.	OK	OK
36 (b) (v)	Does the monitoring plan note any parameters, coefficients, variables, etc. that are used to calculate baseline emissions or net removals but are obtained through monitoring?	Yes, Emission factors for the projects of reducing electricity consumption for it transmission by Ukrainian electricity networks used to calculate baseline emissions but are obtained through monitoring.	OK	OK
36 (b) (v)	Is the use of parameters, coefficients, variables, etc. consistent between the baseline and monitoring plan?	Yes, use of parameters, coefficients, variables, etc. is consistent between the baseline and monitoring plan.	OK	OK
36 (c)	Does the monitoring plan draw on the list of standard variables contained in appendix B of “Guidance on criteria for baseline setting and monitoring”?	Yes monitoring plan developed in line with “Guidance on criteria for baseline setting and monitoring”.	OK	OK
36 (d)	Does the monitoring plan explicitly and clearly distinguish: (i) Data and parameters that are not monitored throughout the crediting period, but are determined only once (and thus remain fixed throughout the crediting period), and that are	Yes, all relevant parameters are described (see section D.1 of PDD).	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	available already at the stage of determination? (ii) Data and parameters that are not monitored throughout the crediting period, but are determined only once (and thus remain fixed throughout the crediting period), but that are not already available at the stage of determination? (iii) Data and parameters that are monitored throughout the crediting period?			
36 (e)	Does the monitoring plan describe the methods employed for data monitoring (including its frequency) and recording?	The table in section D.1.1 PDD defined time (regularity) of monitoring and information sources with respect to all parameters and data to be monitored.	OK	OK
36 (f)	Does the monitoring plan elaborate all algorithms and formulae used for the estimation/calculation of baseline emissions/removals and project emissions/removals or direct monitoring of emission reductions from the project, leakage, as appropriate?	In the PDD described and explained all the algorithms and formulas used to calculating emissions for the baseline and project scenarios.	OK	OK
36 (f) (i)	Is the underlying rationale for the algorithms/formulae explained?	Yes, all necessary algorithms and formulae are clearly described.	OK	OK
36 (f) (ii)	Are consistent variables, equation formats, subscripts etc. used?	Yes, all variables, equation format, subscripts etc. used consistent.	OK	OK
36 (f) (iii)	Are all equations numbered?	Yes.	OK	OK
36 (f) (iv)	Are all variables, with units indicated defined?	Yes.	OK	OK
36 (f) (v)	Is the conservativeness of the algorithms/procedures justified?	See CAR11 above.	OK	OK
36 (f) (v)	To the extent possible, are methods to quantitatively account for uncertainty in key parameters included?	The level of uncertainty of data specified in the table of quality control and quality assurance procedures (see Section D.2 PDD). Taking into account that all used data and parameters are	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
		defined according to current and accepted standards and methods based on official data and results of measurements by calibrated measuring equipment with the relevant accuracy their level of uncertainty is defined as low.		
36 (f) (vi)	Is consistency between the elaboration of the baseline scenario and the procedure for calculating the emissions or net removals of the baseline ensured?	Yes.	OK	OK
36 (f) (vii)	Are any parts of the algorithms or formulae that are not self-evident explained?	No, all algorithms and formulas are clearly explained	OK	OK
36 (f) (vii)	Is it justified that the procedure is consistent with standard technical procedures in the relevant sector?	Yes.	OK	OK
36 (f) (vii)	Are references provided as necessary?	All necessary references are provided.	OK	OK
36 (f) (vii)	Are implicit and explicit key assumptions explained in a transparent manner?	Yes, all implicit and explicit assumptions are explained in a transparent manner.	OK	OK
36 (f) (vii)	Is it clearly stated which assumptions and procedures have significant uncertainty associated with them, and how such uncertainty is to be addressed?	Used assumptions and procedures do not have significant uncertainty.	OK	OK
36 (f) (vii)	Is the uncertainty of key parameters described and, where possible, is an uncertainty range at 95% confidence level for key parameters for the calculation of emission reductions or enhancements of net removals provided?	Uncertainty range was defined as low.	OK	OK
36 (g)	Does the monitoring plan identify a national or international monitoring standard if such standard has to be and/or is applied to certain aspects of the project? Does the monitoring plan provide a reference as to where a detailed description of the standard can be found?	The monitoring plan identifies a national and international monitoring standards applied to proposed project. All relevant references are provided.	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
36 (h)	Does the monitoring plan document statistical techniques, if used for monitoring, and that they are used in a conservative manner?	See CAR11 above.	OK	OK
36 (i)	Does the monitoring plan present the quality assurance and control procedures for the monitoring process, including, as appropriate, information on calibration and on how records on data and/or method validity and accuracy are kept and made available upon request?	The quality assurance and control procedures are described in section D.2 of PDD.	OK	OK
36 (j)	Does the monitoring plan clearly identify the responsibilities and the authority regarding the monitoring activities?	Yes, the responsibilities and the authority regarding the monitoring activities are clearly identified in section D.3 of PDD. See CAR12 above.	OK	OK
36 (k)	Does the monitoring plan, on the whole, reflect good monitoring practices appropriate to the project type? If it is a JI LULUCF project, is the good practice guidance developed by IPCC applied?	Corrective Action Request (CAR) 14: Section D.1.5 of the PDD requires from project participants to submit information about collection and archiving data on the environment impact as well as references to relevant norms of the host country. Please provide relevant data.	CAR14	OK
36 (l)	Does the monitoring plan provide, in tabular form, a complete compilation of the data that need to be collected for its application, including data that are measured or sampled and data that are collected from other sources but not including data that are calculated with equations?	Yes, all used parameters are presented in sections D.1.1.1 and D.1.1.3 of PDD.	OK	OK
36 (m)	Does the monitoring plan indicate that the data monitored and required for verification are to be kept for two years after the last transfer of ERUs for the project?	See CAR13 above.	OK	OK
37	If selected elements or combinations of approved CDM methodologies or methodological tools are used for establishing the monitoring plan, are the selected elements	No selected elements or combinations of approved CDM methodologies or methodological tools are used in monitoring plan.	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	or combination, together with elements supplementary developed by the project participants in line with 36 above?			
Approved CDM methodology approach only				
38 (a)	Does the PDD provide the title, reference number and version of the approved CDM methodology used?	N/A	OK	OK
38 (a)	Is the approved CDM methodology the most recent valid version when the PDD is submitted for publication? If not, is the methodology still within the grace period (was the methodology revised to a newer version in the past two months)?	N/A	OK	OK
38 (b)	Does the PDD provide a description of why the approved CDM methodology is applicable to the project?	N/A	OK	OK
38 (c)	Are all explanations, descriptions and analyses pertaining to monitoring in the PDD made in accordance with the referenced approved CDM methodology?	N/A	OK	OK
38 (d)	Is the monitoring plan established appropriately as a result?	N/A	OK	OK
Applicable to both JI specific approach and approved CDM methodology approach				
39	If the monitoring plan indicates overlapping monitoring periods during the crediting period: (a) Is the underlying project composed of clearly identifiable components for which emission reductions or enhancements of removals can be calculated independently? (b) Can monitoring be performed independently for each of these components (i.e. the data/parameters monitored for one component	There are no overlapping monitoring periods during the crediting period.	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	are not dependent on/effect data/parameters to be monitored for another component)? (c) Does the monitoring plan ensure that monitoring is performed for all components and that in these cases all the requirements of the JI guidelines and further guidance by the JISC regarding monitoring are met? (d) Does the monitoring plan explicitly provide for overlapping monitoring periods of clearly defined project components, justify its need and state how the conditions mentioned in (a)-(c) are met?			
Leakage				
JI specific approach only				
40 (a)	Does the PDD appropriately describe an assessment of the potential leakage of the project and appropriately explain which sources of leakage are to be calculated and which can be neglected?	No leakage is expected in proposed project activity.	OK	OK
40 (b)	Does the PDD provide a procedure for an ex ante estimate of leakage?	No leakage is expected in proposed project activity.	OK	OK
Approved CDM methodology approach only				
41	Are the leakage and the procedure for its estimation defined in accordance with the approved CDM methodology?	N/A	OK	OK
Estimation of emission reductions or enhancements of net removals				
42	Does the PDD indicate which of the following approaches it chooses? (a) Assessment of emissions or net removals in the baseline scenario and in the project scenario (b) Direct assessment of emission reductions	Assessment of emissions or net removals in the baseline scenario and in the project scenario was used.	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
43	If the approach (a) in 42 is chosen, does the PDD provide ex ante estimates of: (a) Emissions or net removals for the project scenario (within the project boundary)? (b) Leakage, as applicable? (c) Emissions or net removals for the baseline scenario (within the project boundary)? (d) Emission reductions or enhancements of net removals adjusted by leakage?	Emissions for the project, baseline scenario and emission reductions were ex ante estimated. Results of estimations are provided in section E of PDD and excel spreadsheets.	OK	OK
44	If the approach (b) in 42 is chosen, does the PDD provide ex ante estimates of: (a) Emission reductions or enhancements of net removals (within the project boundary)? (b) Leakage, as applicable? (c) Emission reductions or enhancements of net removals adjusted by leakage?	N/A	OK	OK
45	For both approaches in 42 (a) Are the estimates in 43 or 44 given: (i) On a periodic basis? (ii) At least from the beginning until the end of the crediting period? (iii) On a source-by-source/sink-by-sink basis? (iv) For each GHG? (v) In tones of CO2 equivalent, using global warming potentials defined by decision 2/CP.3 or as subsequently revised in accordance with Article 5 of the Kyoto Protocol? (b) Are the formula used for calculating the estimates in 43 or 44 consistent throughout the PDD? (c) For calculating estimates in 43 or 44, are	See CAR11 above. Corrective Action Request (CAR) 15: CO2 emission factor for the projects of reducing electricity consumption for its transmission by Ukrainian electricity networks provided in Order #43 dated 28/03/2010 were used in ex-ante calculations. But this factor applicable only for 2010. Please correct.	CAR15	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	key factors influencing the baseline emissions or removals and the activity level of the project and the emissions or net removals as well as risks associated with the project taken into account, as appropriate? (d) Are data sources used for calculating the estimates in 43 or 44 clearly identified, reliable and transparent? (e) Are emission factors (including default emission factors) if used for calculating the estimates in 43 or 44 selected by carefully balancing accuracy and reasonableness, and appropriately justified of the choice? (f) Is the estimation in 43 or 44 based on conservative assumptions and the most plausible scenarios in a transparent manner? (g) Are the estimates in 43 or 44 consistent throughout the PDD? (h) Is the annual average of estimated emission reductions or enhancements of net removals calculated by dividing the total estimated emission reductions or enhancements of net removals over the crediting period by the total months of the crediting period and multiplying by twelve?			
46	If the calculation of the baseline emissions or net removals is to be performed ex post, does the PDD include an illustrative ex ante emissions or net removals calculation?	Yes, the PDD include an illustrative ex ante emissions calculation.	OK	OK
Approved CDM methodology approach only				
47 (a)	Is the estimation of emission reductions or enhancements of net removals made in accordance with the approved CDM	N/A	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	methodology?			
47 (b)	Is the estimation of emission reductions or enhancements of net removals presented in the PDD: − On a periodic basis? − At least from the beginning until the end of the crediting period? − On a source-by-source/sink-by-sink basis? − For each GHG? − In tones of CO_2 equivalent, using global warming potentials defined by decision 2/CP.3 or as subsequently revised in accordance with Article 5 of the Kyoto Protocol? − Are the formula used for calculating the estimates consistent throughout the PDD? − Are the estimates consistent throughout the PDD? − Is the annual average of estimated emission reductions or enhancements of net removals calculated by dividing the total estimated emission reductions or enhancements of net removals over the crediting period by the total months of the crediting period and multiplying by twelve?	N/A	OK	OK
Environmental impacts				
48 (a)	Does the PDD list and attach documentation on the analysis of the environmental impacts of the project, including transboundary impacts, in accordance with procedures as determined by the host Party?	Corrective Action Request (CAR) 16: There is no information on transboundary impacts in the PDD.	CAR16	OK
48 (b)	If the analysis in 48 (a) indicates that the environmental impacts are considered significant by the project participants or the	No significant environmental impacts related to project implementation are expected. Therefore separate environmental impact is not required.	OK	OK

DVM Paragraph	Check Item	Initial finding	Draft Conclusion	Final Conclusion
	host Party, does the PDD provide conclusion and all references to supporting documentation of an environmental impact assessment undertaken in accordance with the procedures as required by the host Party?			
Stakeholder consultation				
49	If stakeholder consultation was undertaken in accordance with the procedure as required by the host Party, does the PDD provide: (a) A list of stakeholders from whom comments on the projects have been received, if any? (b) The nature of the comments? (c) A description on whether and how the comments have been addressed?	Procedures of Ukraine did not require consultations with stakeholders for proposed project. However, information on implementation measures of reducing technological power consumtion provided in the media and in electronic media (see section G of PDD). No negative stakeholders' comments were received on company adress.	OK	OK
Determination regarding small-scale projects (additional elements for assessment)				
Determination regarding land use, land-use change and forestry projects (additional/alternative elements for assessment)				
Determination regarding programmes of activities (additional/alternative elements for assessment)				

Table 2 Resolution of Corrective Action and Clarification Requests

Draft report clarifications and corrective action requests by determination team	Ref. to checklist question in table 1	Summary of project participant response	Determination team conclusion
Corrective Action Request (CAR) 01: Please use in the PDD font size provided «JOINT IMPLEMENTATION PROJECT DESIGN DOCUMENT FORM» - version 01.	-	Font size was corrected in line with «JOINT IMPLEMENTATION PROJECT DESIGN DOCUMENT FORM» - version 01. See PDD version 2.0.	PDD version 2.0 was checked and recognized as satisfactory. Issue is closed.
Corrective Action Request (CAR) 02: Please provide brief description of the project history.	-	Brief description of the project history was provided in section A.2 of PDD version 2.0.	Issue is closed due to the amendments made in the PDD.
Corrective Action Request (CAR) 03: Please provide brief information about the company Carbon Management Company GmbH in section A.3, and relevant information about this company in Annex 1.	-	Brief information about the company Carbon Management Company GmbH in section A.3, and in Annex 1.	The issue is closed due to the corrections made.
Corrective Action Request (CAR) 04: Table A.3 in the PDD must be submitted in a format that provided in the version 04 of the "Guidelines for users of the JI PDD form".	-	Table A.3 corrected.	Issue closed.
Corrective Action Request (CAR) 05: Section A.4.1.4 more than 1 page.	-	Section A.4.1.4 was corrected.	CAR05 is closed
Corrective Action Request (CAR) 06: Implementation schedule is not described.	-	Implementation sheudle was described in PDD version 2.0.	CAR06 is closed based on the amendments made in the PDD.

Corrective Action Request (CAR) 07: No Letters of Aapproval of the project issued by the parties involved.	Item 19	Project was approved by State Environmental Investment Agency of Ukraine (Letter #3445/23/7 dated 24.11.2011) and Federal Office for the Environment (Switzerland) (Letter #J294-0485 dated 23.03.2012).	Issue is closed.
Corrective Action Request (CAR) 08: Please provide date of baseline setting according required format DD/MM/YYYY.	Item 22	Date of baseline setting was corrected.	The response to CAR08 was found satisfactory. CAR08 is closed.
Corrective Action Request (CAR) 09: In the PDD does not specify how the registration of this project as JI project will help overcome identified technological barriers.	Item 29(b)	Technological barrier was excluded from PDD.	The issue is closed due to the corrections made.
Corrective Action Request (CAR) 10: During site visit to the company PJSC "Chernivtsioblenergo" determination team found that some equipment implemented within project activities (eg circuit breakers) included insulating gas (SF6). Please include the insulating gas to the list of project emissions scenario.	Item 32(d)	Insulating gas (SF6), used in circuit breakers and other equipment PJSC "Chernivtsioblenergo" is toxic and is listed as gas circulation and utilization of which is under the control of state environment organizations. Equipment containing Insulating gas is hermetically sealed and prevents leakage of gas into the atmosphere. In the case of it failure or decommissioning SF6 will be collected and reused by filling in new similar equipment. In connection with all the above SF6 emissions were excluded from the calculations.	CAR10 is closed based on the provided information.

Corrective Action Request (CAR) 11: Used TPC rate include technical and commercial consumption and losses. Commercial losses have no impact on GHG emissions and must be excluded from calculations.	Item 36(b)	Monitoring plan was corrected. All non-technical and metrological losses were excluded from calculations. See PDD version 2.0 and Excel file CI-1БТВЕ-2002-2010-26-08-2011-Km-ok.xls.	PDD version 2.0 and Excel file were checked and recognized as satisfactory. Issue is closed.
Corrective Action Request (CAR) 12: Please specify who is responsible for proniding actual value of CO2 emission factor for the projects of reducing electricity consumption for it transmission by Ukrainian electricity networks.	Item 36(b)(ii)	Actuality of factor of specific indirect carbon dioxide emissions associated with the consumtion of electricity during its transmission by power grids of Ukraine will be reviewed annually representatives Technical Consultant Carbon Management Company GmbH.	The issue is closed due to the corrections made.
Corrective Action Request (CAR) 13: Please indicate in PDD that the data monitored and required for the project determination will be kept for two years after the last transfer of ERUs the project.	Item 36(b)(iii)	PDD was corrected. See PDD version 2.0	The response to CAR13 was found satisfactory. CAR13 is closed.
Corrective Action Request (CAR) 14: Section D.1.5 of the PDD requires from project participants to submit information about collection and archiving data on the environment impact as well as references to relevant norms of the host country. Please provide relevant data.	Item 36(k)	The project implementation does not require gathering of information on the influence on the environment in excess of information collected at the company prior to the project inception.	The issue is closed due to the corrections made.
Corrective Action Request (CAR) 15: CO2 emission factor for the projects of reducing electricity consumption for its transmission by Ukrainian electricity networks provided in Order #43 dated 28/03/2010 were used in ex-ante calculations. But this factor applicable only for 2010. Please correct.	Item 45	Data was updated.	The response was found satisfactory. CAR15 is closed.

Corrective Action Request (CAR) 16: There is no information on transboundary impacts in the PDD.	Item 48(a)	Transboundary impact is not expected.	Issue closed.
Clarification Request (CL) 01: Please include in this section refer to the corresponding «Excel» file with the calculations.	-	Relevant references were included to PDD version 2.0.	The issue is closed based on the corrections made in the PDD.
Clarification Request (CL) 02: Please number the tables with information of the estimates (calculations) of emission reductions.	-	Tabbles were numbered.	Necessary corrections have been made. The issue is closed.
Clarification Request (CL) 03: Section A.5 PDD must specify the name DFPs (parties involved) that will approve the project.	Item 19	State Environmental Investment Agency of Ukraine is DFP of Ukraine and Federal Department of the Environment, Transport, Energy and Communications of Switzerland is DFP of Switzerland.	CL03 is closed based on the amendments made in the PDD.
Clarification Request (CL) 04: Please specify which approach was used to identify the baseline scenario and additionality: • JI specific approach • Approved CDM methodology approach.	Item 22	JI specific approach was used.	Issue closed.
Clarification Request (CL) 05: Please change the title of fourth column Table 4 (Section B.3 PDD). Title "Included?" recommend changing the "Included/Excluded"	Item 32(d)	Was corrected.	Issue closed.
Clarification Request (CL) 06: Precise figures numbering in the PDD.	Item 32(d)	Figures numbers were checked and corrected.	Issue is closed due to the amendments made in the PDD.
Clarification Request (CL) 07: Please specify that the crediting period of ERUs generating started after the beginning of 2008 and continuing over the life cycle.	Item 34(d)	Relevant information was included to section C.3 of PDD version 2.0.	Due to the corrections made and necessary information provided, the issue is closed.

Clarification Request (CL) 08: Please specify that crediting period extension beyond 2012 requires approval by the Host country.	Item 34(d)	Relevant information was included to section C.3 of PDD version 4.0.	CL08 is closed based on the amendments made in the PDD.
Clarification Request (CL) 09: JI specific approach for monitoring plan identification is used in the PDD, but it is not explicitly indicated. Please clearly clarify in PDD what approach was used.	Item 35	JI specific approach was used for developing monitoring plan.	The issue is closed based on the corrections made in the PDD.
Clarification Request (CL) 10: Please provide justification for choosing of the each used parameters.	Item 36(a)	Justification for choosing of the each used parameters provided.	The issue is closed based on the corrections made in the PDD.