



**CDM proposed standardized baseline form
(Version 01.0)**

(To be used by a designated national authority (DNA) when submitting a proposed standardized baseline in accordance with the "Procedure for submission and consideration of standardized baselines".)

SECTION 1: GENERAL INFORMATION

DNA submitting this form:	Republic of Uzbekistan
Developer of the standardized baseline: <i>(Parties, project participants, international industry organizations or admitted observer organizations)</i>	DNA Uzbekistan together with UNDP Project "Supporting Uzbekistan in Transition to Low-Emission Development Path" and Mitsubishi UFJ Morgan Stanley Securities Co., Ltd.
Party or Parties to which the standardized baseline applies:	The Republic of Uzbekistan
Sector to which the proposed standardized baseline applies: <i>(the sector according to the definition of sector in the "Guidelines for the establishment of sector specific standardized baselines")</i>	Any sector involving the emissions from the Uzbekistan National Grid either in baseline and/or project scenario, including Sectoral Scope I: "Energy Industries," as defined by the UNFCCC.

SECTION 2: LIST OF DOCUMENTS TO BE ATTACHED TO THIS FORM (please check)

- An assessment report presenting how the data was collected, processed and compiled to establish the proposed standardized baselines;
- Where the proposed standardized baseline applies to a group of Parties, letters of approval of all the DNAs of the Parties to which the standardized baseline applies;
- Additional documentation supporting the submission (e.g. relevant data, documentation, statistics, studies, calculation tables, etc.), when applicable.

Name of authorized officer signing for the DNA:	Mr. Shukhrat Ismailov 
Date and signature for the DNA:	31 January 2013
Name and contact details of the focal point(s) for any follow up communication: <i>(all communication regarding procedural or technical issues will be sent to the focal point(s))</i>	Mr. Shukhrat Ismailov, Chief of the Main Department of the Ministry of Economy of the Republic of Uzbekistan / Head of Secretariat of the Designated National Authority on CDM, Ministry of Economy of the Republic of Uzbekistan, 45A, Uzbekistanskiy ave., Tashkent, 100003, Uzbekistan Tel.: (+99871) 232 62 96; Fax: (+99871) 232 65 15 Email: shismoilov@mineconomy.uz

PROPOSED STANDARDISED BASLINE
(CDM-PSB) - Version 01.0



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SECTION BELOW TO BE COMPLETED BY THE UNFCCC SECRETARIAT	
CDM-PSB ID number:	
Date when the form was received at UNFCCC secretariat:	
Have <u>all</u> Parties for which the standardized baseline is applicable fewer than 10 registered CDM project activities as of 31 December 2010? (Y/N):	
CDM-PSB ID number and version: <i>(to be completed by UNFCCC)</i>	



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**CLEAN DEVELOPMENT MECHANISM
PROPOSED STANDARDIZED BASELINE
(CDM-PSB)
(VERSION 01.0)**

“GRID EMISSION FACTOR FOR THE UZBEKISTAN NATIONAL GRID”

12 December 2012

Version 01.1

Source

If the standardized baseline was developed using a methodological approach contained in an approved methodology or tool please provide the name, number (if applicable) and version of the approved methodology or tool used.

The Standardized Baseline (SBL) was developed using the methodological tool Methodologioal Tool ‘Tool to Calculate the Emission Factor for an Electricity System’ Version 03.0.0, CDM EB70, Annex 22.

If it was developed using the “*Guidelines for the establishment of sector specific standardized baselines*” please state the version of the guidelines used.

N/A

If a table of calculation is available for the development of the standardized baseline, please state the version of the table used, and submit it with this form.

Calculation sheet version 01.1

Type of standardized baseline approach

The standardized baseline is developed for:

- Additionality demonstration;
- Baseline identification;
- Baseline emission estimation.

Please note that one, two or all three items can be checked.



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SECTION A: STANDARDIZED BASELINE DEVELOPED USING THE “GUIDELINES FOR THE ESTABLISHMENT OF SECTOR SPECIFIC STANDARDIZED BASELINES”

This section should only be completed when the standardized baseline is developed using the “Guidelines for the establishment of sector specific standardized baselines”.

N/A

Applicability of the standardized baseline

Please provide the following information:

- The host country(ies) or region(s) within a host country to which the standardized baseline is applicable. In case of region(s) within a host country, please document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc).
- The sector(s) to which the standardized baselines is applied. Note that a sector refers to a segment of a national economy that delivers defined output(s) (e.g. clinker production, domestic / household energy supply). The sector is characterized by the output(s) O_i it generates.
- The output(s) to which the standardized baseline is applied, i.e. the goods or services with comparable quality, properties, and application areas (e.g. clinker, lighting, residential cooking).
- The measure to which the standardized baseline is applicable:
 - Fuel and feedstock switch; or
 - Switch of technology with or without change of energy source (including energy efficiency improvement); or
 - Methane destruction; or
 - Methane formation avoidance.

Additionality demonstration

Please explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to demonstrate additionality and develop a positive list of project activities that are deemed additional. Follow the steps and guidance of the “Guidelines for the establishment of sector specific standardized baselines”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.



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Baseline identification

Please explain how the “*Guidelines for the establishment of sector specific standardized baselines*” were applied to identify the baseline for the measures. Follow the steps and guidance of the “*Guidelines for the establishment of sector specific standardized baselines*”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.

Baseline emission factor estimation (if applicable)

Please explain how the “*Guidelines for the establishment of sector specific standardized baselines*” were applied to determine a baseline emission factor. Follow the steps and guidance of the “*Guidelines for the establishment of sector specific standardized baselines*”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.

Use of the standardized baseline with an approved methodology

Please explain how the standardized baseline will be used with the relevant approved methodology(ies) or an approved tool, i.e. which (parts of) the approved methodology(ies) or the approved tool are replaced by the standardized baseline. Note that a standardized baseline derived from the “*Guidelines for the establishment of sector specific standardized baselines*” will usually replace the sections on demonstration of additionality, identification of the baseline scenario and the determination of baseline emissions, while the methodology sections on applicability, project boundary, project emissions, leakage emissions and provision to monitor project and leakage emissions may not be affected by the use of the standardized baseline. If an approved methodology is not available, a new methodology should be submitted to be used with the standardized baseline, following the relevant procedures (“*Procedure for the submission and consideration of a proposed new baseline and monitoring methodology for large scale CDM project activities*” or “*Procedures for the submission and consideration of a proposed new small scale methodology*”).

Validity of the standardized baseline

Please state the period of time for which the standardized baseline is valid. Please note that Appendix I of the “*Guidelines for the establishment of sector specific standardized baselines*” provide interim values for data vintage and the frequency of update.



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SECTION B: STANDARDIZED BASELINE DEVELOPED USING A METHODOLOGICAL APPROACH CONTAINED IN AN APPROVED METHODOLOGY OR TOOL

This section should only be completed when the standardized baseline is developed using a methodological approach to estimate baseline emissions contained in an approved methodology or tool. An example for this is the application of the “Tool to calculate the emission factor for an electricity system” to estimate the emission factor for a electric grid.

Applicability of the standardized baseline

Please state the host country(ies) or region(s) within a host country to which the standardized baseline is applicable. In case of region(s) within a host country, please document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc).

The Republic of Uzbekistan

Baseline emission estimation

Please explain how the methodological approach contained in the approved methodology or tool was applied to estimate the baseline emissions of a project activity in (a) country(ies) or region. Follow the steps and guidance of the approved methodologies or tools. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner. Note that the underlying methodology or tool has to provide a methodological approach to derive the baseline emissions for a country or region in order to apply this step. This applies, for example, to the methodological tool “Tool to determine the emission factor of an electricity system”.

The latest version (3.0.0) of the ‘Tool to calculate the emission factor for an electricity system’ was followed. The report presenting the calculations, the data used for calculations and the application in calculations is enclosed. The data was provided by the Uzbekistan national power company SJSC “Uzbekenergo”. These data has already been used in CDM projects applying for CDM registration. The exact baseline estimation is described in the attached report CO₂ Emission Factor Calculation for the Uzbekistan National Grid (2011), version 03.0, 28/01/2013.

Use of the standardized baseline with an approved methodology

Please explain how the standardized baseline will be used with the relevant approved methodology(ies) or approved tool, i.e. which (parts of) the approved methodology(ies) or the approved tool are replaced by the standardized baseline.

The SBL may be used for any project based in Uzbekistan that applies a methodology and/or tool which refer to the ‘Tool to Calculate the Emission Factor for an Electricity System’.



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Validity of the standardized baseline

Please state the vintage of the parameters used to derive the standardized baseline, in accordance with the requirements contained in the approved methodology or tool.

The data vintage for calculating the standardized baseline, i.e. the Grid Emission Factor (GEF) is 2009, 2010 and 2011. Additionally, in accordance with the requirements of the tool, vintages of 2007 and 2008 were used for determination of the Low-Cost/Must-Run generation facilities for the most recent five years.

It is proposed that the SBL shall be valid for a maximum period of 3 years from the date of its adoption. However, this baseline will be updated as soon as data for power generation and fuel consumption by grid-connected power plants in Uzbekistan for 2012 is available.

**PROPOSED STANDARDIZED BASELINE
(CDM-PSB) - Version 01.0**



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REFERENCES AND ANY OTHER INFORMATION

Supporting Documentation:

- CO2 Emission Factor Calculation for the Uzbekistan National Grid (2011), as performed by DNA Uzbekistan together with UNDP Project “Supporting Uzbekistan in Transition to Low-Emission Development Path” and Mitsubishi UFJ Morgan Stanley Securities Co., Ltd.
- UZBEKISTAN GEF calculations (excel spreadsheet) - CONFIDENTIAL
- UZBEKISTAN GEF calculations (pdf version)

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History of the document

Version	Date	Nature of revision(s)
01.0	23 March 2012	Initial publication.

Decision Class: Regulatory
Document Type: Form
Business Function: Methodology