

# INOGATE Technical Secretariat Country Work Plan: Tajikistan

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## Abbreviations and acronyms

AA	Association Agreement
AHEF	Ad Hoc Expert Facility
AP	Action Plan
TAJSTAT	Statistical Agency under the President of the Republic of Tajikistan
CA	Central Asia
CIS	Community of Independent States
CWP	Country Work Plan
E & G	Electricity and Gas
ECT	Energy Community Treaty
ECU	Eurasian Customs Union
EE	Energy Efficiency
EnC	Energy Community
ENTSO-E	European Network of Transmission System Operators for Electricity
ENTSO-G	European Network of Transmission System Operators for Gas
ESAP	Energy Statistics Action Plan
EU	European Union
INO GATE	Energy Cooperation between the EU, the Littoral States of the Black & Caspian Seas and their Neighbouring Countries
ITS	Inogate Technical Secretariat
JSC	Joint Stock Company
LIE	Local Information Event
NSI	National Statistical Institute
PC	Partner Country
RES	Renewable Energy Sources
RM	Road Map
SE	Sustainable Energy
TA	Technical Assistance
TA - ESS	Technical Assistance – Support to the development of the Energy Statistics System
TSO	Transmission System Operator
WTO	World Trade Organisation

## **Section 1 Introduction**

The overall purpose of the Country Work Plan (CWP) for the project period February 2015 – April 2016 is to define the INOGATE activities to be carried out based on the experience of experts and the explicit requests of the Partner Country. This document outlines the ITS analysis of the needs and priorities of the countries and the proposed ITS strategy and rationale for intervention.

The proposed activities presented here take into account the bilateral and trade agreements of the EC and the PC as well as other EU projects and the activities of other donors in a PC.

This country work plan has been drafted by ITS in consultation with the Partner Country and the European Commission.

INOGATE is an EU regional cooperation instrument, that is based on inter and intra-regional cooperation of Partner Countries and capacity building, focusing on the following areas:

- Technical and regulatory advice on energy security, energy markets efficiency and development;
- Implementation of energy efficiency and renewable energy policies;
- Energy and economic planning through the use of improved energy statistics;
- Facilitating energy efficiency and renewable energy investments.

The ITS provides short or medium-term technical assistance in these areas at regional and country level.

## **Section 2 Energy policy of Tajikistan**

The government's main energy policy directions, based on analysis by ITS experts, are:

- Development, rehabilitation and modernisation of existing energy infrastructure (new hydro power plants, power transmission lines, sustainable energy supply for domestic consumers, thermal power plants run on coal and production of synthesis gas from local coal resources);
- Making tariffs more cost - reflective, improve the attractiveness of the investment projects in the energy sector and increase revenues to the State budget by effective social policies to protect vulnerable groups;
- Development of the energy market in terms of competition and convergence at the internal, interstate and interregional level;
- Reducing the influence of the state in the management of the energy sector of the economy.

The main principles of the state policy in the field of energy, as identified by ITS experts, are:

- ensuring energy security of the country;
- creating conditions to attract investment in the energy sector of the economy;
- development of the energy market in terms of competition and convergence;
- continuous improvement of energy conservation and energy efficiency;
- reducing the influence of the state in the management of the energy sector of the economy;
- ensuring the protection of the rights of consumers and businesses in the energy and balancing their interests;
- effective use of local energy resources and alternative energy sources;
- continued support for scientific and technological progress and the introduction of new high-efficiency and energy-saving technologies, training and retraining;
- supporting the establishment of regional and inter-regional energy market;

- increased transparency of statistics, financial, licensing and other activities in the energy sector;
- increased security exploitation and energy;
- increasing the level of environmental protection.

Based on the ITS Strategy, the priorities for the cooperation between Tajikistan and INOGATE for the period 2015-2016 reflect the national priorities stipulated in the above strategic documents and are shown in Table 1<sup>1</sup>.

**Table 1: Priorities of the Tajikistan-ITS cooperation for 2015-2016**

Priorities
Tariff reform
Cross-border trade
Improved gas infrastructure efficiency
Energy data collection
Energy balances

### Section 3 Achievements of the Tajikistan-ITS cooperation

Representatives from Tajikistan have participated in the regional seminars and study tours, listed in Table 2: Completed regional activities in 2011-2014 of the Regional Work Plan, as well as in national INOGATE activities, listed in Table 2. In addition to completed activities, Table 2 also contains ongoing activities, to which the INOGATE project is already committed.

**Table 2: Completed and ongoing activities of the Tajikistan-ITS cooperation in 2011-2014**

Implemented/ongoing Activities	Results	Impacts	Areas
<b>ELECTRICITY AND GAS</b>			
Assistance on adoption of 12 interstate gas standards (identical to European gas standards) in their national standardization system.	Adoption of 12 interstate gas standards (identical to European gas standards) in Tajikistan's national standardization system.	National gas standards are harmonised with European gas standards. Reduction of existing technical barriers for trade with EU.	Harmonization of Electricity and Gas Standards and codes.
Assistance in transfer to Tajikistan of the 100 European oil and gas standards.	European oil and gas standards have been transferred.	Tajik standards on oil and gas are harmonised with European standards.	Harmonization of Electricity and Gas Standards and codes.

<sup>1</sup> To the best knowledge of the ITS Project there are no overlaps with other donors.

Implemented/ongoing Activities	Results	Impacts	Areas
Introduction and exchange of experience regarding the operation of modern gas metering devices, as well as their maintenance and metrological support (state inspection). (AHEF.027.TJ, completed).	Overview and showcase provided of measuring and recording metering data practices used in EU.	Improved gas metering and recording practices .	Efficiency of Electricity and Gas Infrastructure.
Development of methodology for calculation of technological gas losses and own needs consumption in operation of main pipelines and their structures (AHEF.125.TJ)	Changes proposed for adaption of secondary legislation regarding the methodology of estimating the gas losses.	Reduction of losses in gas transmission lines.	Efficiency of Electricity and Gas Infrastructure
<b>ENERGY STATISTICS</b>			
Developing an Energy Statistics Action Plan (ESAP 2012 - 2014).	ESAP developed and endorsed through the signing of Approval document.	Improved data collection and analysis.	Energy statistics system improvement
Two technical assistance missions to initiate and support the activities defined in the ESAP. Conducted separate meetings with main data providers (energy companies) to check data availability requested by new concept for energy data collection.	Questionnaires for different data providers adjusted to the circumstances in Tajikistan.	Increased capacity of energy stakeholders to compile official energy statistics. Improved institutional framework for energy statistics.	Energy statistics system improvement
Developing energy statistics system and model for energy data collection.	Procedures proposed for collection of energy data from coal, natural gas, crude oil and petroleum products, electricity and heat and renewable sources.	Increased capacity of TAJSTAT to collect and compile energy statistics harmonised with EU and international standards.	Energy statistics system improvement
Developing methodology and structure of energy balance compilation.	Structure and methodology proposed for energy balance compilation.	Increased capacity of TAJSTAT to collect and compile energy statistics harmonised with EU and international standards.	Energy statistics system improvement

## Section 4 Work Plan for Tajikistan-ITS cooperation

As an overall strategic approach ITS intends to support the national policy, programmes and priorities set out in section 2 (see above) as well as the priorities identified during the consultations with the stakeholders throughout the project implementation. Due attention is also paid to ongoing technical assistance.

Emphasis will be given to those areas of intervention which are in line with the scope of work of the ITS project and those that bring tangible impact and results and have no duplication with other EU programmes and bilateral donors and are in line with the new INOGATE strategy.

In addition, ITS intends to consider in the next stage of assistance the issues covered by the AHEF applications submitted by the energy stakeholders in the electricity sector but not considered due to various reasons (e.g. budget limit, etc).

The top priority planned national activities for the extension period Jan 2015-Jan 2016 are listed in Table 3, and secondary activities are listed in Table 4.

**Table 3: Top priority planned activities for the Tajikistan-ITS cooperation in 2015-2016**

Reference numbers	Activities	Expected results	Expected impact	Areas
<b>ELECTRICITY AND GAS</b>				
AHEF.133.TJ AHEF application under evaluation	Recommendations on development of technical regulations of Tajikistan in line with European Directive 2006/95/EC - LVD - Low Voltage Products	Guidelines on Development Technical regulation for Tajikistan in line with European Directive 2006/95/EC - LVD - Low Voltage Products	Adoption of recommendations will significantly improve the quality of products in the energy sector, reduce loss of energy resources in households.,.	Harmonisation of Electricity and Gas Standards
AHEF.132.TJ, (to be combined with GE118)	Training specialists of gas transportation company and gas technical committee on how to use the EU gas infrastructure standard EN 1594.	Tajik specialists gained knowledge on using European gas functional standards.	Creation of fundamental basis for the development of gas transportation system in Tajikistan.	Harmonisation of Electricity and Gas Standards.
<b>ENERGY STATISTICS</b>				
CWP.05.TJ	Technical assistance to TAJSTAT in the compilation of five joint questionnaires and integrated annual energy balance.	First integrated energy balance compiled. Five joint annual energy questionnaires filled.	Increased capacity of TAJSTAT to collect and compile energy statistics harmonised with European and international standards.	Improvement of energy statistics system.

**Table 4: Secondary priority planned activities for the Tajikistan-ITS cooperation in 2015-2016**

Reference numbers	Activities	Expected results	Expected impact	Comments
<b>ELECTRICITY AND GAS</b>				
CWP.01.TJ	Development of electricity & Gas tariff methodologies: Tajikistan has a declared policy to unbundle Barki Tojik into the three structural components, and to introduce tariffs for generation, transmission and distribution. Assistance is necessary to develop the methodologies to be deployed and in establishing the cost parameters to be used.	Rationalisation of TJ electricity tariffs and strategy for implementation (as TJ tariffs today are not compensatory).	Cost reflective tariff methodology.	
CWP.02.TJ)	Further assistance in implementation of EU gas and electricity standards (priority standards)	Implementation of the "Action Plan on Harmonisation of Standards and Codes in Electricity and Gas Sectors Tajikistan.	Harmonisation of gas and electricity standards to reduce and subsequently eliminate existing technical barriers.	Harmonization of electricity and gas standards and codes.
<b>ENERGY STATISTICS</b>				
CWP.04.TJ	Review and evaluation of the collected energy data in 2014 using improved questionnaires; review and evaluation of surveys results.	Improved accuracy of system for energy data collection.	Increased capacity of TAJSTAT to collect and compile energy statistics harmonised with European standards.	Improvement of energy statistics system.
CWP.06.TJ	Technical assistance to TAJSTAT to collect and compile monthly energy statistics and development of the Model for monthly statistics compilation.	Monthly energy statistics compiled.	Increased capacity of TAJSTAT to collect and compile energy statistics harmonised with European standards.	Improvement of energy statistics system.
CWP.07.TJ	Assistance in development of Standard Documentations (Quality Reports) for energy statistics and energy balances.	Energy statistics and methodologies applied available to energy data users.	Improved use of energy data for energy system planning and other national activities and policies.	Improvement of energy statistics system.