

TERMS OF REFERENCE

Position:	Expert for development of the policy overview on electric cars
Project number and name:	#00076355, "City of Almaty Sustainable Transport"
Type of Contract:	Individual contract
Duration:	3 months (June-September 2017)

1. INTRODUCTION

The city of Almaty is the largest and most populous city in Kazakhstan with a population of 1.6 million people. Its population is expected to exceed the threshold of 2,000,000 in the next 3 to 5 years, also partly because of the extension of the municipal territory. Despite the loss of status as the capital, Almaty remains the major commercial and industrial center of Kazakhstan and is rapidly transformed into a regional financial and business center of Central Asia. It contributes to 22% of the country's GDP.

In 2011, the United Nations Development Programme (UNDP) has launched the "City of Almaty Sustainable Transport" project (CAST project) in the Republic of Kazakhstan with financial support of Global Environment Facility (GEF). The municipal government of Almaty (Akimat) is the beneficiary and implementing agency of CAST project. CAST project will be implemented over 6 years (2012-2017).

The objective of CAST project is to reduce the growth of the transport-related greenhouse gas (GHG) emissions in the city of Almaty, while simultaneously improving urban environmental conditions by:

- 1) Improving the management of public transportation and air quality in Almaty;
- 2) Building capacity in Almaty to holistically plan and implement improvements in the efficiency and quality of public transport;
- 3) Building capacity to holistically plan and implement integrated traffic management measures in Almaty City;
- 4) Implementing demonstration projects that raises awareness and increases knowledge of sustainable transport.

The project is funded by Global Environment Facility (GEF) and is associated with the GEF-4 strategic objective - CC 5: Promoting sustainable innovative systems for urban transport with emphasis on "non-tech" options, such as planning, traffic management and modal shift to low-GHG intensive modes of transport.

2. BACKGROUND

The Republic of Kazakhstan is currently planning introduction of the e-cars and e-buses system and is in the process of identifying different technical options.

With the purpose of implementing the message of the president of the Republic of Kazakhstan on "The third modernization of Kazakhstan: global competitiveness" of January 31, 2017 and the presidential decree of May 30, 2013 No. 577 "On the concept of the transition of the Republic of Kazakhstan to a green economy", the Ministry of

Energy of the Republic of Kazakhstan (ME RK) requested UNDP to provide advisory assistance in developing analytical documents/expert reports on the following issues:

- Review of international experience and development of recommendations on tax preferences for producing and acquiring electric vehicles;
- Review of international experience and development of recommendations for subsidizing installation of charging stations of various types.

Currently, less than 1 thousand electric cars are operated on the roads of the country. Nevertheless, the prerequisites for development of electric transport in Kazakhstan are gradually being formed. The registration fee, even for a used electric vehicle, is half that of a traditional car. Preferential rates of customs duties are applied to electric cars, and they are exempted from the payment of the transport tax. In the world, one of the important arguments in favor of acquiring "green" transport are impressive state subsidies that ensure the accessibility of a purchase.

In 2016 in Kazakhstan, the first electric car of domestic assembly on the site of the full-cycle production of JSC "AZIA AVTO Kazakhstan" was presented in Ust-Kamenogorsk. Also in 2016 "SaryarkaAvtoProm" presented a Chinese electric vehicle JAC iEV6S, which will be assembled in Kostanay. Information on availability of electric cars of other brands in car dealerships from official dealers is not yet available, all deliveries are made by private individuals and in single copies.

CAST project would like to support ME RK with preparation of background documents for implementation of modern e-cars infrastructure and regulative system plans through appointing an international expert.

3. OBJECTIVE

To prepare analytical materials and development of recommendations in the field of electric vehicles for ME RK.

4. SCOPE OF WORK

Under the Terms of Reference, the consultant will carry out the following tasks:

Task 1: Analysis and recommendations for e-cars tax preferences

The consultant shall:

- assemble and review available international studies and reports including but not limited to¹;
- update all relevant data regarding the current incentives/subsidies for producing and acquiring e-cars worldwide;

¹ *Electric vehicles in Europe: gearing up for a new phase?* -

http://www.mckinsey.com/~/media/mckinsey%20offices/netherlands/latest%20thinking/pdfs/electric-vehicle-report-en_as%20final.ashx

EV Policy Compared: An International Comparison of Governments' Policy Strategy Towards E-Mobility -

http://www.springer.com/cda/content/document/cda_downloadaddocument/9783319131931-c2.pdf?SGWID=0-0-45-1504990-p177082663

Comparison of leading electric vehicle policy and deployment in Europe -

http://www.theicct.org/sites/default/files/publications/ICCT_EVpolicies-Europe-201605.pdf

- to submit a report with analysis and recommendations on tax preferences for producing and acquiring electric vehicles acceptable for RK conditions.

Task 2: Analysis and recommendations for development of system of subsidies for charging stations in the cities of Kazakhstan

For the purpose of recommending an appropriate, the consultant will provide a summary of international best practice for incentives for introduction of changing unstructured systems and the common principles and guidelines that are applied for organizing public and private initiative in this area at national and city level. Based on the international (best practice) examples, the consultant will provide recommendations for subsidizing installation of charging stations of various types. A review of international experience and recommendations should be documented in a single report.

5. ASSISTANCE OF ME RK AND CAST PROJECT TEAM

Guidance during the fulfilment of this Terms of Reference will be provided by CAST Project Manager. For the execution of tasks under the assignment, the consultant will work in close cooperation with a designated person in ME RK.

6. PROJECT DURATION

It is expected that the assignment will start in the middle of June 2017 and will take 12 weeks, starting from the date of the signing the contract with the UNDP. This is a lump sum contract that should include costs of consultancy and travel costs required to produce the above deliverables. It is expected that consultant will make one short visit to Astana to discuss the draft recommendations with ME RK. The dates for this mission will be agreed upon between the consultant and UNDP Kazakhstan. Payment will be released after approval of interim and final reports.

7. REPORTING REQUIREMENTS

The consultant will summarize the project results in interim and final reports. Reports must conform to the requirements specified in the contract and annexes, signed between the consultant and UNDP. Printed and electronic versions of reports should be delivered in English and Russian (3 reports in total; not less than 30 pages per one report) to CAST project manager in accordance with the deadlines. Draft reports will be presented to and discussed with the stakeholders. Comments of stakeholders and results of discussions will be incorporated in the final report.

8. DELIVERABLES AND PAYMENTS

The consultant will submit to CAST Project Manager the following documents and materials outlining in detail the results of the Scope of Work defined in section 4 above.

No.	Deliverable	Timing (after commencing the project)	Amount Payment (optional)
1	Task 1 draft report prepared and submitted to CAST project manager and designated ME specialist for comments and approval	8 weeks	20%

2	Task 2 draft report prepared and submitted to CAST project manager and designated ME specialist for comments and approval	10 weeks	30%
3	Final report prepared considering all comments on the draft final report and submitted to CAST project manager and ME for approval	13 weeks	50%

9. RESPONSIBILITIES

The Consultant shall:

- report to CAST Project Manager;
- ensure timely and quality execution of the Terms of Reference;
- ensure unconditional carrying out of requirements of the contract;
- be aware of the necessity of interpretation/translation needs as communication with ME RK will be mostly in Russian.

10. KNOWLEDGE AND SKILLS

The Consultant should exhibit:

- University degree in the disciplines related to engineering, economics;
- At least 5 years of experience in development of recommendations on sustainable urban policies and/or energy efficiency;
- Work experience in CIS countries is an advantage;
- International experience in advisory services on sustainable development, energy efficiency or sustainable transport for authorities is an asset;
- Experience in the field of review and development of policies for production and/or distribution of electric transport and related infrastructure is an advantage;
- Excellent English writing and communication skills. Knowledge of Russian is an advantage.