

Request Submission Form for CTCN Technical Assistance (version 1.0 - January 2014)

APPLICANT/CONTACT:

National Designated Entity: National Environmental Protection Agency (NEPA)

Contact Person: Ghulam Hassan Amiry

Position: Directory of Climat Change and Adaptation Division

Phone: + 93(0) 797 38 72 99

Fax:

Email: h.amiry@nepa.af ; ghulamamiry@hotmail.com

Postal address:

Parwan 2 (behind Kardan Institute), Kabul, Afghanistan

COUNTRY :{ *Insert the name of the country submitting the request* }

Afghanistan

TITLE :{ *Insert the proposed title for the request* }

Technical support and advise for the identification of technology needs in Afghanistan

GEOGRAPHICAL FOCUS :{ *Select the most relevant geographical level* }

Community-based *Sub-national* *National* *Multi-country*

{If sub-national or multi-country level, please indicate here the concerned areas (provinces, states, countries, regions, etc.)

SECTOR/THEME {*Select the most relevant sector*}

Mitigation: *Energy*

Transport

Industry

Agriculture

Forestry

Waste

Cross-sectoral

Adaptation: *Early Warning/*

Disaster Reduction

Agriculture/Fisheries

Forestry

Water Resources

Coastal Zones/Oceans

Terrestrial Ecosystems

Human Health

Infrastructure/Human Settlement

Tourism

Businesses

Education

Cross-sectoral

OTHER RELEVANT SECTORS:

{Indicate relevant sectors, only from those included in the list above}

PROBLEM STATEMENT (up to half a page)

{Describe the main problems that the CTCN assistance will help address.}

The process of development of the National Environmental Protection Agency NAPA and the development of the INC report for Afghanistan indicated the sectors which will be the most hit by Climate Change and also the sectors, which might have significant contribution to Climate Change mitigation.

As Afghanistan is an arid/semi-arid country it will have difficulties adjusting to probably reduced availability of water in the future. That might have critical impact on drinking water supply and the agricultural sector, which is very much dependent on irrigation. Limited water infrastructure could increase the risks. Drought is a common phenomenon in the country which has to be addressed additionally.

After the decades of unrest in the country the personnel and administrative capacities are very much limited and the responsible governmental bodies are challenged to find the appropriate approaches to changing climate conditions and to make use of the supporting mechanisms offered under UNFCCC programs. In regard to technology transfer a first step would be to identify the most useful tools in the current situation and the way of possible transfer of technology.

Afghanistan has a good potential for generating renewable energies, like hydropower, solar and wind energy. Several International Donor Agencies are working in that field, with a special focus on electrification of rural areas. Linking the activities to the issue of Climate Change and technology transfer might be very use full.

DEVELOPMENT OF THE REQUEST (up to half a page)

{Explain how the request was developed at the national level and the process used by NDE to approve before submitting it (who was the lead organization, who were the stakeholders and what were their roles, and describe any meetings or other consultations that took place to develop and select this request).}

The request has been developed by the National Environmental Protection Agency of the Government of the Islamic Republic of Afghanistan as the policy making and coordination governmental body in the field of environmental protection.

ASSISTANCE REQUESTED (up to one page)

{Describe the purpose of the technical assistance requested from the CTCN and the results expected from the assistance.

How will the results of the CTCN assistance be used to resolve the problems stated above (list specifications).}

As Afghanistan has very limited financial resources and technical capacities, existing mechanisms of Technology Transfer might be very use full tools for supporting the work on the issues of Climate Change. In order to approach the possibilities systematically an initial “need assessment” would support the Country by that.

Technologies identified and perhaps later transferred should support the work in the area of agriculture, water resources management, drought mitigation and should support the use of renewable energies

ALIGNMENT WITH NATIONAL PRIORITIES (up to half a page)

{Explain how the assistance requested fits with documented national priorities}

The request is relevant to national priorities in line with the Afghanistan National Development Strategy (ANDS). The government key priorities are the following: Agriculture and Rural Development, Education & Culture, Infrastructure & Natural Resources, Social Protection, Health and Nutrition, Energy, Transportation, Water Resources, Information and Communications Technology.

Although the issue of Climate Change is not mentioned in ANDS the Government of the Islamic Republic of Afghanistan is very much interested developing and implementing Climate Change related projects and activities as they are strongly linked to the key priorities above and to Sustainable Development and Poverty Reduction, which are major objectives of the ANDS.

PAST AND ONGOING EFFORTS (up to half a page)

{Describe past and on-going national processes, projects and initiatives that the assistance could build on, or link to.}

Afghanistan is member of UNFCCC since 2002 and has signed the Kyoto Protocol in 2013. A National Capacity Needs Self-Assessment for Global Environmental Management (NCSA) and a National Adaptation Program of Action for Climate Change was developed in 2009 and is being implemented by different related Ministries. An Initial National Communication Report for Afghanistan has been submitted to UNFCCC in 2013.

In draft stage are currently a National Climate Change Strategy and a concept for National Designated Authorities for CDM Projects.

Different donor agencies, the World Bank, USAID, GIZ, and UN agencies are providing technical and financial support for the development of micro-hydro and solar systems, and biogas plants. Some INGOs are promoting improved cooking stoves in villages to reduce the pressure on fuel wood consumption and for better indoor air quality.

National and sectoral policies have the objective to promote cleaner and environmental sound technologies. In order to promote renewable energy, the Ministry of energy and water is working on a Renewable Energy Policy. Current projects and programs such as the National Solidarity Program (NSP) the Energy for Rural Development Afghanistan (ERDA) under the Ministry Rural Rehabilitation Development (MRRD) and the Afghanistan Clean Energy Project has introduced micro-hydro and solar energy systems, wind energy and biogas plants.

EXPECTED BENEFITS (up to half a page)

{Outline the long-term effects that will result from the CTCN assistance, including how the assistance will help in the transfer of climate technologies to mitigate and/or adapt to climate change, as well as the expected economic, social and environmental benefits.}

An assessment of technology needs for supporting the counties efforts in working on adaptation to climate change and mitigation would give guidance to the Afghan Government in the issue and would give support in setting appropriate focus. Suitable technical tools, which should be adjusted to the capacities in the country, would facilitate the efforts in the working field, will lead to an efficient approach and might reduce investment costs.

The development of adaptation strategies is crucial for the water and agricultural sectors. That refers to basic drinking water supply, food security and the major economical basis in the Country, the agricultural sector. Poverty reduction or prevention, economic and social development are crucially related to that.

By development and implementation of suitable technologies the impact on the private sector has to be considered. Chances for commercial activities and job creation should be considered in the current situation in which unemployment is widespread.

EXPECTED TIME FRAME

{Indicate the duration of the proposed request.}
3 months

KEY STAKEHOLDERS

{List the main stakeholders who would be involved in the implementation of the requested CTCN assistance, and what would be their role in supporting the assistance (for example, government agencies and ministries, academic institutions and universities, private sector, community organizations, civil society, etc.).}

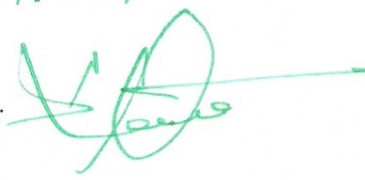
Stakeholder	Role in the response
<i>Add as many lines as needed</i>	
<i>Ministry of Energy and Water</i>	<i>Source of information regarding water resources management, energy supply and development of renewable energies. Development of adaptation and mitigation concepts.</i>
<i>Ministry of Agriculture ,Irrigation and Livestock</i>	<i>Source of information regarding agricultural development and challenges due to water scarcity. Development of adaptation concepts.</i>
<i>Ministry of Finance</i>	<i>Financial issues</i>
<i>Ministry of Foreign affairs</i>	<i>International coordination</i>
<i>Afghanistan National Disaster Management Agency</i>	<i>Source of information regarding disasters risks and disaster management</i>
<i>Kabul Universities</i>	<i>Evaluation regarding current curriculums in respective working fields</i>

MONITORING AND EVALUATION

X By signing this request, I affirm that processes are in place in the country to monitor and evaluate the assistance provided by the CTCN. I understand that these processes will be explicitly identified in the Response Plan in collaboration with the CTC, and that they will be used in the country to monitor the implementation of the CTCN assistance.

X I understand that, after the completion of the requested assistance, I shall support CTCN efforts to measure the success and effects of the support provided, including its short, medium and long-term impacts in the country.

DATE AND SIGNATURE

<p>NDE: National Environmental Protection Agency of the Government of the Islamic Republic of Afghanistan</p> <p>Responsible Person: Deputy Director General (Technical and Scientific Affairs) Ghulam Mohammad Malikyar</p>	<p>Date: 04.05, 2014</p> <p>Signature: </p>
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****PLEASE LIST ANY RELEVANT BACKGROUND DOCUMENTS AND PROVIDE THEIR WEB LINKS (IF WEB LINKS ARE NOT AVAILABLE PLEASE ATTACH THEM AS PDF FILES TO THE APPLICATION)**

THE COMPLETED FORM SHALL BE SENT TO THE CTCN@UNEP.ORG

Need help? The CTCN team is available to answer questions and guide you through the process of submitting a request. The CTCN team welcomes suggestions to improve this form.

>>>Contact the CTCN team at ctcn@unep.org

Relevant Background Documents

INC Report

[http://unfccc.int/essential_background/library/items/3599.php?
rec=j&priref=7713#beg](http://unfccc.int/essential_background/library/items/3599.php?rec=j&priref=7713#beg)

NAPA Report

[http://unfccc.int/essential_background/library/items/3599.php?
such=j&symbol=AFG/NAPA/1%20E#beg](http://unfccc.int/essential_background/library/items/3599.php?such=j&symbol=AFG/NAPA/1%20E#beg)