CTCN Fast Technical Assistance (FTA)

Request Submission Form

Presentation of the Fast Technical Assistance

*The Fast Technical Assistance (FTA) is the Climate Technology Centre & Network (CTCN) short time response to requests referring to technology prioritisation, endogenous technologies assessment, policies and measures that are immediate priorities for the requesting country. FTA has duration **up to 2 months** and a total value typically **up to USD 15,000** (it may include a scoping mission, only if strictly necessary). The FTA is implemented by means of an international expert.*

Guidelines:

- *This Request Submission Form should be completed by the organisation requesting technical assistance from the Climate Technology Centre & Network (CTCN) in collaboration with the National Designated Entity (NDE) of the country in question*
- *The Form must be signed by the NDE. Please see updated contact list of NDEs here: http://unfccc.int/ttclear/support/national-designated-entity.html*
- *The Form can be submitted as a Word file containing a digital signature or as a signed and scanned PDF file in combination with an un-signed Word file*

Requesting country:	Iran (Islamic Republic of)
Fast Request title:	Holding workshop on sand and dust storms (SDS) technologies to control dust storms sources with focus on degraded lands, dried up riverbeds and lakes, and plains and agricultural fields.
NDE	Centre for Innovation and Technology Cooperation Mr. Sirous Vatankhah Head s.vatankhah@citc.ir Address: No. 7, Avesta St., Shikh Bahai Sq., Tehran, Iran. PO Box: 1995859611
Request Applicant:	Centre for Innovation and Technology Cooperation Mr. Ramin Rahimian Clean energy and environmental expert rahimian@citc.ir Address: No. 7, Avesta St., Shikh Bahai Sq., Tehran, Iran

Climate objective:

- ☐ Adaptation to climate change
- ☐ Mitigation of climate change
- ■ Combination of adaptation and mitigation of climate change

Geographical scope:

- ☐ Community level
- ☐ Sub-national
- ■ National

If the request is at a sub-national level, please describe specific geographical areas (provinces, states, countries, regions, etc.).

Sectors:

Please indicate the main sectors related to the request:

☐ Coastal zones	☐ Early Warning and Environmental Assessment	■ Human Health	☐ Infrastructure and Urban planning
☐ Marine and Fisheries	■ Water	■ Agriculture	☐ Carbon fixation
☐ Energy Efficiency	■ Forestry	☐ Industry	☐ Renewable energy
☐ Transport	☐ Waste management		

CONTEXT OF THE ASSIGMENT (up to half page):

This section should present the climate problem and the national context within which it takes places (i.e. efforts to tackle it, climate policies and priorities etc). It should end with an explanation of the specific questions and issue the CTCN expert would have to address.
Please list or attach relevant documents that will help the CTCN analyse the context of this request.

There have been several attempts by international communities to address the threat of sand ad dust storms (SDS) phenomena associated by climate change, including the resolution adopted at the 70th session of the United Nations General Assembly (UNGA) (A/RES/70/195) in 2015 has contributed to global momentum to address dust storms, And At the request of UNGA, a Global Assessment of Sand and Dust Storms has been developed in partnership of UNEP, UNCCD and WMO.

During last two decades Dust Storms phenomena are escalated in geographic expansion, intensity and frequency in the world and particularly in west Asia and southern and western part of Iran especially in Khuzestan province. The affected areas are faced with low food security. These increments make it to become catastrophic that threatening almost all aspects of living, including human life, flora and fauna in the affected regions.
These events will also put life, health, environment and socioeconomic situation of in danger that consequently will increase poverty, migration, violence and unrest in the affected area.
During last two decades, according to the several studies applied by the universities, the intensity and frequency of dust storms due to the climate change by increasing the average of temperature and reducing the rain fall has increased in Iran.

Nowadays by expansion of the areas affected by the SDS derived by climate change from one side and the necessitate of using the new technologies from the other side, make it as priority to the

Center for Innovation and Cooperation as focal point of CTCN(Iran NDE) to organize the first SDS technology workshop by the assistance of the secretariat of CTCN aiming to exchange of information, identification, evaluation, classification and updating the new technologies and innovating solutions to address the threat of SDS. The output of this workshop will serve Iran government and other countries worldwide to better and enhance implementation of combating SDS.

Alignment with national priorities :

Please describe how the technical assistance is consistent with national climate priorities such as: Nationally Determined Contribution, national development plans, poverty reduction plans, technology needs assessments, Low Emission Development Strategies, Nationally Appropriate Mitigation Actions, Technology Action Plans, National Adaptation Plans, sectorial strategies and plans, etc.

Reference document (please include date of document)	**Extract** (please include chapter, page number, etc.).
Nationally Determined Contribution (NDC) INDC of Islamic Republic of Iran(2015)	Title 3: Adaptation and Vulnerability to Climate Change, Section A. Vulnerability, Page 7, second paragraph, Section C. Technological Needs for Adaptation, Page10,6th bullet, Section D. National Strategy for Climate Change, Page 10,first paragraph. Link of INDC: https://www4.unfccc.int/sites/submissions/INDC/Published%20Documents/Iran/1/INDC%20Iran%20Final%20Text.pdf
Technology Needs Assessment 2018	Section 4, Identification of Development Priorities in the light of a Changing Climate, Major Environmental Policies,Page24,No 7 Link of TNA: https://unfccc.int/ttclear/misc_/StaticFiles/gnwoerk_static/TNR_CRE/01200e6f1abb49fa89861a884176db53/23ae5924c61b44db9d3ac77898b2af07.pdf
National Adaptation Plans	Under process
Nationally Appropriate Mitigation Actions	Under process
Sixth five-year Socio-Economic Development plan of Iran March 2017	Article 38 of 6 – 6th socio – economic development plan of Iran. 1- Section 9 - Environment and Natural Resources, pp. 55, para. 8 2- PP. 14, Annex1, bullet 5 Link1(Farsi): https://bu.doe.ir/Portal/file/?764694/%D9%82%D8%A7%D9%86%D9%88%D9%86-%D8%A8%D8%B1%D9%86%D8%A7%D9%85%D9%87-%D9%BE%D9%86%D8%AC%D8%B3%D8%A7%D9%84%D9%87-%D8%B4%D8%B4%D9%85-%D8%AA%D9%88%D8%B3%D8%B9%D9%87-%D8%AC%D9%85%D9%87%D9%88%D8%B1%D9%8A-%D8%A7%D8%B3%D9%84%D8%A7%D9%85%D9%8A-%D8%A7%D9%8A%D8%B1%D8%A7%D9%86.pdf

OBJECTIVE OF THE FTA (up to 5,000 characters):

Objective:
Identifying and fostering available technologies to enhance the implementation to combat Sand and Dust Storms sources with focus on degraded lands, dried up riverbeds and lakes, and plains and agricultural fields.

1. Engagement of main stakeholders
2. Development of concept note
3. SDS technology resource mobilization
4. Capacity building
5. The role of CTCN on availability and accessibility and transfer of SDS technology
6. Support for entrepreneurs and start ups
7. Networking
8. Good practices

SCOPE AND ACTIVITIES OF THE PROPOSED FTA (up to one page):

Expectations and achievements:

1. Streamlining the SDS technologies in the contexts of climate technologies on the process of CTCN
2. Capacity building on SDS technologies
3. Networking among main providers, developers, stockholders, and users of the Dust Sources Control Technologies.
4. Outcomes:
5. Introducing Technologies to control sand and dust storms sources with focus on degraded lands, dried up riverbeds and lakes, and plains and agricultural fields.
6. Define some pilot projects at first step in Iran for transferring and adapting some new Sand and Dust Sources Control Technologies.
7. Reporting National problems, roadmap and Technologies needs for controlling SDS sources.
8. Partnership the relevant special agencies (UNCCD, WMO, UNEP, ESCAP, WHO, etc.)

GENERAL TIME SCHEDULE OF EXPERT AND ACTIVITY/DELIVERY PLAN:

The activities under this contract must be completed within a period of X months. Please note that the maximum time for the assignment is 2 months.

Workshop on evaluation and communication of SDS technology Schedule

First day	**Opening:** Introduction of CTCN and overview of the technology mechanisms Iran Roadmap for Controlling Dust Sources **CTCN Panel:** Collaboration between GCF and CTCN toward SDS technology CTCN technical assistance to combat SDS CTCN experiences in capacity building Introduction of nexus approach for SDS **Technical Panel:** Analysis and assessment of technologies priorities of SDS

	Introduce the best practices of SDS technologies Networking of regional NDAs on SDS technologies Partnership building among the relevant special agencies (UNCCD, WMO, UNEP, ESCAP, WHO, etc.)
Second day	**Main Stockholders Panel:** Research centers, universities, institutes involvement on SDS technology Private sector, entrepreneurs, and startups engagement on SDS technology Accessibility, availability, and transfer of SDS technology Resources mobilization investment and incentives mechanisms to combat SDS SDS vulnerability, resilience and risk assessment **Closing:** Remarks and statement/ final report by CTCN
Third day	Field visits

Monitoring and impact of the assistance:

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

Signature:

NDE name:	Sirous Vatankhah
Date:	September 15, 2019
Signature:	

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