Annual Project Progress Report

Project title: Strengthening National Capacity for Seismic Risk Assessment, Prevention and Response to Potential Earthquakes

Award ID: 102378

Project ID: 104475

Implementing partner: Institute of seismology and physics of the atmosphere of the Academy of Sciences of Turkmenistan

Period covered in this report: 01.09.2018 – 31.12. 2018

Date of last Annual Report:

Date of the last Project Board meeting: 14.12.2018
Date of last Qaulity Assurance and rating:

1.Project Performance

a) Please state the expected Output of the Project, set indicators and corresponding CP Outcome (as per project document/AWP):

Project Output 1:
It was made complex evaluation of seismic risks in Ashgabat city.
Output indicators:
1.1.Quantities of methodical recomendations and offers regarding implemintation of modern methods of seismic microzoning and evaluation of buildings vulnerability.
1.2. Quantities of seismic maps of zoning and focusing of different levels are updated for Ashgabat city.
1.3. Quantities of geospatial models of buildings are vulnerabl to earthquakes on target areas (available housing, administrative buildings) based on characteristics of buildings and grounds.
Output targets:
1.1. Collection and analysis of existing methodological and data also development of detailed plan of implementation of the project in collaboration with Institute of Physics of the Earth of the Russian Academy of Sciences, the Sergeyev Institute of geoecology, Central-Asian Institute for Applied Geosciences and with national partners.
1.2. Making practical works and seismic measurments for high-quality development of documentation regarding forecasting and monitoring of seismic events in cooperation with Central-Asian Institute for Applied Geosciences, Institute of Physics of the Earth of the Russian Academy of Sciences (including the analyze of buildings vulnerability and evaluation of sesmic risk).
1.3. Giving support to Institute of seismology and physics of the atmosphere of the Academy of Sciences of Turkmenistan in development of new maps of microzoning and in updating of availible maps.
1.4. Interpritation of recived information regarding results of researches, monitoring of necessary modelling (including of geospatial models of buildings are vulnerabl to earthquakes on target areas (available housing, administrative buildings). Preparation of the report regarding complex evaluation of seismic risks in Ashgabat city.
b) Were the indicators and output achieved?   Yes ☐   No☐   Partially ×
c) If no or partially, please explain why?
1) In accordance of the Project document the Output 1 will be recived while the whole project life

2) Actual project activities were began at 01.09.2018 instead of 01.01.2018 according to the project document.

Project Output 2:

Strengthned the scientifical and technological capacity and staff capacity of Institute of seismology and physics of the atmosphere of the Academy of Sciences of Turkmenistan for further more effective works on forecasting and monitoring earthquakes and evaluation of seismic risks.

Output indicators:

2.1 Quantities of well equiped laborotories for Institute of seismology.

2.2 Quantities of trained staff from research institutes, ministries and public authorities in the field of modern methods of evaluation of seismic risks.

2.3 Quantities of sceintifical and methodological basis and practical basis were developed for improvement of principals regarding preparness for disasters situations, integraded monitoring and warnings about seismic activities.

Output targets:

2.1 Defining paramentrs, purchasing and delivery of special technical equipment and stationary for Institute of seismology and physics of the atmosphere of the Academy of Sciences of Turkmenistan

2.2 Organizing trainings for staff from research institutes who works in the field of seismic engineering and for specialists who works in relevant ministries in the field of disaster risk reduction and in the field of reciving and quality control of data for further evaluation of seismic risks by using modern methods.

2.3 Development of scientific and methodological materials for further trainigs for staff from research institutes.

b) Were the indicators and output achieved?   Yes ☐   No☐   Partially ×

c) If no or partially, please explain why?

1) In accordance of the Project document the Output 2 will be recived while the whole project life.

2) Actual project activities were began at 01.09.2018 instead of 01.01.2018 according to the project document.

Project Output 3:

Increasing the readiness level of the relevant agencies to respond to disasters caused by earthquakes.

Output indicators:

3.1 Quantity of developed scenarios for the development of emergencies in case of earthquakes on the targeted locality based on improved scientific and methodological basis and based on sample of scenario for separate areas and in different time period.

3.2 Quantity of teaching methodologies and materials about evaluation of risks concerning earthquakes for future dissemination to local authorities for continued use.

3.3 Quantity of recommendations to Ministry of education regarding engagement of higher educational institutions, modules regarding risks evaluation for the purpose of involving more young professionals in the scientific activities.

Output targets:

3.1 Development of scenarios for the development of emergencies in case of earthquakes on the targeted locality based on improved scientific and methodological basis for further dissemination to the Ministry of Defense of Turkmenistan and to others public authorities.

3.2 Development of materials regarding earthquake risks evaluation and consideration of risks and other activities for future making recommendations to other stakeholders.

3.3 Preparation of recommendations to include the module about seismic risks evaluation in institutes training programs.

3.4. Development of investment program for disaster risks reduction on the macro-level based on results of work.

b) Were the indicators and output achieved?   Yes ☐   No×   Partially ☐

c) If no or partially, please explain why?

1) Output 3 wil be recived only after reciving Outputs 1, 2.

2) Actual project activities were began at 01.09.2018 instead of 01.01.2018 according to the project document.

2.Progress Reporting

a) Please summarize the main achievements during the project cycle:

Project Output 1:

a) Informational research and correspondance with potential partners outside the country: Research Institute of aerospace monitoring „Aerospace", National center of digital economy in Lomonosov Moscow Satet University, Institute of Physics of the Earth of the Russian Academy of Sciences, the Sergeyev Institute of geoecology, Central-Asian Institute for Applied Geosciences, Institute of seismology "National center of seismological observations and researches" Ministry of education Republic of Kazakhstan, Research institute of civil defense, emergency situations Russia, German Research Centre for Geosciences (GeoForschungsZentrum), Global Earthquake Model.
b) It was recruited a national consultant to collect and analyze of geological and hydrogeological and engineering-geological data necessary for implementation of the project.
c) It was recruited a national consultant to collect and analyze geological and geophysical data which is necessary for project implementation.
d) It was organized Inception workshop with participation of international specialists.

Project Output 2:

  a) It was composed and provided specification for further purchasing of technical equipment for the project and for Institute of seismology and physics of the atmosphere of the Academy of Sciences of Turkmenistan

  b) It was prepared terms of references for national consultant for conducting session of traings regarding geographic informatoin systems (GIS) for staff of Institute of seismology and physics of the atmosphere of the Academy of Sciences of Turkmenistan and other stakeholders.

3. Project Risks and Issues

The project Risk Log is maintained throughout the project implementation to capture potential risks to the project and associated measures to mitigate risk.The Project Manager shall maintain and update the Risk Log and ensure that risks are identified, communicated and managed effectively.

A number of potential risks are listed below.

Description of risk	Type and category	Risk management actions	Current situation
In accordance of the period of the project implementation (01.09-31.12.2018) risks were			

not foud. Only one exception is the problem with high level specialists from the seismic Institute are recruted on positions of National Consultants. They can not reconcile the job in the Institute and the job in the project becouse the law.			

4. Lessons learned and follow-up steps (if applicable)

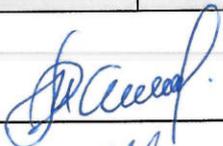**a) Please provide the lessons learned and further steps after the project's closure.**

Based on not enough time of implementation of the project there is not any expirince to gain.

5. Transfer of Assets or other related matter

a) Please state on any past or future transfer of assets made within the project cycle (Attach list of equipment, cooperation frameworks with beneficiaries, etc.)

7. Financial management

Budget item	Total approved in 2018 (in USD)	Expenses + commitments	Budget utilization in % to planned
Component 1	115330,00	15111,00	13%
Component 2	95685,00	95877,00	100%
Component 3	16050,00	0,00	0,00
Project management	116193,00	37474,00	32%
Total delivery in 2018	343258,00	148462,00	43%
In % to total project budget			

Prepared by:_____ Rahmanberdi Hanekov, Project Manager
Date:

Approved by:_____ Rovshen Nurmuhamedov, Programme Spesialist
Date: