


**MINUTES OF MEETING  
ON  
THE FIFTH JOINT COORDINATING COMMITTEE MEETING  
FOR  
THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN  
MONGOLIA**


Joint Coordinating Committee (hereinafter referred to as "JCC") for the Project for Strengthening the National Capacity of Earthquake Disaster Protection and Prevention in Mongolia (hereinafter referred to as "the Project") held its fifth meeting on April 23, 2018 from 10:00 to 12:30, at Conference Room of National Emergency Management Agency (hereinafter referred to as "NEMA"), Ulaanbaatar, Mongolia, chaired by Mr. Badral Tuvshin, Chief and Major General, NEMA and supported by Mr. Kiyotaka Owada representing the Expert Team dispatched by the Japan International Cooperation Agency (hereinafter referred to as "JICA"). JCC members were invited and attended to the JCC. The list of the participants and agenda of the meeting are provided in Annex 1 and Annex 2, respectively.

The main subjects discussed and agreement made at the meeting are summarized in the attached document hereto.

Ulaanbaatar, April 23, 2018

  
\_\_\_\_\_  
Mr. Mutsumi Sato  
Chief Representative  
Mongolia Office  
Japan International Cooperation Agency  
Japan

  
\_\_\_\_\_  
Mr. Badral Tuvshin  
Chief, Major General  
National Emergency Management Agency  
Mongolia

  
\_\_\_\_\_  
Mr. Batkhui Idesh  
Director General  
Development Financing Department  
Ministry of Finance, Mongolia

  
\_\_\_\_\_  
Mr. Kiyotaka Owada  
Team Leader  
JICA Expert Team  
Japan

## ATTACHED DOCUMENT

### 1. Progress of Activities for each Working Group

The representatives of each Working Group (hereinafter referred to as "WG") member explained the current progress of WG activities based on the presentation documents as shown in the Annex 3. JCC members understood the progress and outputs of WG activities, existing issues and future plan at this moment.

### 2. Nominating Officers for the Working Group Members

According to the Record of Discussions signed on July 8, 2016 (hereinafter referred to as "R/D"), the project organization of Mongolian side includes counterpart (hereinafter referred to as "C/P") WG in order to implement project activities at output level of the Project.

Mongolian side submitted the member list of the C/P WG that was amended from the member list approved in the fourth JCC on December 1, 2017 in order to respond to changes in members' positions and conduct more effective WG activities. JCC members agreed about the amended member list of WG as shown in the Annex 4.

### 3. Schedule of Installing Equipment

Japanese side explained that the timing for installing equipment for seismic diagnosis is going to be behind schedule and requested Mongolian side to discuss how to conduct the usage guidance of the equipment as a part of the training for seismic evaluation planned on June, 2018. Mongolian side accepted the delay of installing equipment for seismic diagnosis and mentioned that the implementation method of guidance of the equipment shall be discussed in the activity of WG2.

Regarding the equipment of earthquake simulation experience for the Disaster Protection Training and Methodology Center, Japanese side requested that Mongolian side shall provide a proper response to advance preparation, equipment transport, supporting installation and control maintenance based on the Operation and Maintenance Plan approved in the third JCC held on June 26, 2017. In addition, Japanese side also requested Mongolian side shall build a safety fence and steps in the appropriate place and prepare a portal crane and a hand lift jack used for installing equipment as advance preparation. Mongolian side accepted those requests and asked to provide documents and drawings necessary for dealing with them.

### 4. Pilot Areas for DRR (Disaster Risk Reductiion) Education and Awareness Activities

Based on the result of the discussion in the sixth Steering Committee (hereinafter

referred to as "SC") held on March 19, 2018, Bayanzurh and Bayangol in Ulaanbaatar City (hereinafter referred to as "UB City") and Zavkhan Aimag were selected respectively as the pilot areas of the urban areas, Ger areas, and the rural areas for implementing Training of Trainers (hereinafter referred to as "ToT") workshops for DRR education and awareness raising. The selection criteria were; risks of deteriorated buildings for urban areas; and disaster risks other than earthquake, such as flood, for the Ger areas; and earthquake risks for rural areas, considering future wide dissemination of DRR Education and Awareness activities based on the experiences and lessons learned through pilot activities to all over Mongolia.

The pilot community activities conducted by the Trainers trained in the ToT shall be implemented in the twenty-third Khoroo of Bayanzurh District, the second Khoroo of Bayangol District and Otgon and Uliastai Souns of Zavkhan Aimag.

5. Next JCC meeting

The Mongolian side will consider that the next JCC schedule will be tentatively scheduled in September and notify related organization.

6. Question and Answer on the JCC

The record on the session of Question and Answer in the JCC is shown in Annex 5.

Annex 1: List of participants

Annex 2: Agenda of the JCC meeting

Annex 3: Presentation documents for the progress of Activities for each Working Group

Annex 4: Working Group Member List

Annex 5: Question and Answer in the JCC meeting



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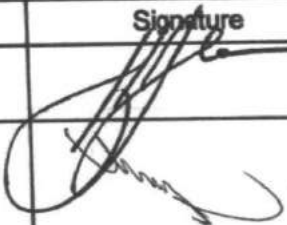

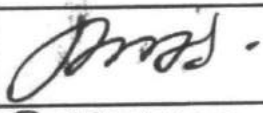
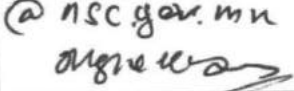
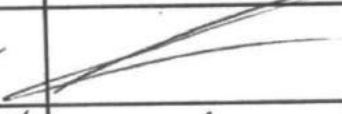
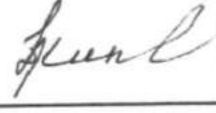



Annex 1: List of participants

**"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"**

Date: 2018/4/23

Place: NEMA Conference Room (1st Floor)

Title of Meeting: 5th Joint Coordination Committee (5th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
T. Badral	Chief, Major General, NEMA		
L. Sayana	Advisor in charge of Emergency Management of Deputy Prime Minister		
S. Magnaisuren	State Secretary of Ministry of Construction and Urban Development		
D. Batsaikhan	Director of Disaster Prevention Department, NEMA	99113991.	
Yo. Jargalsaikhan	Referent of National Security Council	jargalsai.kh@nsc.gov.mn 99190648	
L. Ulziibayar	Director of Policy Coordination and Cooperation Department NEMA	ulzii0609@yaho.com	
D. Jargal	Director of infrastructure and State Inspection Department, General State Inspection Agency	d.jargal@yahoo.com 99176069.	
Z. Munkh-Orgil	Officer of Aid Policy Division, Development Financing and Debt Management Department, Ministry of Finance		
J. Myagmar	Director, Division of Preprimary and Primary Education of Ministry of Education, Culture, Science and Sports	myagmar@mees.gov.mn 51-260721	
P. Bayarkhuu	Vice Mayor of the Capital City in charge of Urban Development		
N. Ulambayar	Director of Emergency Management Department of the Capital City (EMDC)		
G. Enkhtuya	Director of Construction Quality and Safety Division, Master Planning Agency of Capital City	enkhtuya@yaho.com 99016177	
Mutsimi Sato	Chief Representative of JICA Mongolian office		



**"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"**

Date:2018/4/23

Place:NEMA Conference Room (1st Floor)

Title of Meeting: 5th Joint Coordination Committee (5th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
Kimio Takeya	Distinguished Technical Advisor to the President, JICA		
Junji Wakui	Deputy Director General of Global Environment Dept, JICA		和田 純二
Yukinari Hosokawa	Senior Deputy Director of DRR group, JICA		細川 今成
Satomi Yoshino	Project Formulation Advisor of JICA Mongolian Office		吉野 聡美
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Kiyotaka OHADA	JET		
Akihiko Furuta	JET		胡田 明彦

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**"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"**

Date: 2018/4/23

Place: NEMA Conference Room (1st Floor)

Title of Meeting: 5th Joint Coordination Committee (5th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
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B. Naranbat.	JET.	bnaranbat@yahoo.com	

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## Annex 2: Agenda of the JCC meeting



**“THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA”  
Agenda for 5th Joint Coordination Committee (5th JCC)**

**Date:** April, 23<sup>rd</sup> 2018

**Time:** 10:00~12:00

**Venue:** NEMA Conference Room

No.	Time	Agenda	Presenter
	9:50-10:00	Registration	
1	10:00-10:10 (10 min)	Opening remarks from NEMA	<i>Mr. Badral Tuvshin Chief, Major General, NEMA</i>
2	10:10-10:20 (10 min)	Opening remarks from JICA	<i>Mr. Mutsumi Sato Chief Representative, Mongolia Office, JICA</i>
3	10:20-10:25 (5 min)	Overview of project activity and schedule	<i>Mr. Kiyotaka Owada Team Leader, JICA Expert Team</i>
4	10:25-10:45 (20 min)	Progress of WG1 Activity	<i>Mr. B.Bayanmunkh Policy Coordination and Cooperation Department, NEMA Mr. D.Sodnomragchaa Disaster Research Institute, NEMA</i>
5	10:45-11:05 (20 min)	Progress of WG2 Activity	<i>Ms. N.Ganchimeg General Agency for Specialized Inspection (GASI)</i>
6	11:05-11:25 (20 min)	Progress of WG3 Activity	<i>Ms. B. Erdenechimeg Education Research Institute, MECSS Mr. B. Chinbat EMDC</i>
7	11:25-11:50 (35 min)	Discussion and confirmation on: - Amendment of Working Group Member - Schedule of Installing Equipment - Pilot Areas for DRR Education and Awareness Activities - Schedule of Next JCC - Others	<i>Project Coordinator, NEMA Discussion with All Participants</i>
8	11:50-12:00 (10 min)	- Closing remarks	<i>Mr. D.Batsaikhan Director of Disaster Prevention Department, NEMA</i>

## Progress of WG1 Activities

"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"

5<sup>th</sup> Joint Coordinating Committee Meeting  
April 23, 2018

### Sub-Working Group 1-1: Earthquake Disaster Risk Assessment Guideline

#### Progress of Activities

- The draft guideline for the general assessment of earthquake risk has been developed according to the following structure.
  1. Introduction
    - 1.1. General Provisions
    - 1.2. Purpose of the Guideline
    - 1.3. Scope of the Guideline
  2. Theoretical Background of Disaster Risk Assessment
    - 2.1. Disaster Risk Assessment
    - 2.2. Disaster Risk Assessment Process
  3. Methodology for the General Assessment of Earthquake Risk
    - 3.1. Terminology
    - 3.2. Methodology for the General Assessment of Earthquake Risk
      - 3.2.1. Identifying Earthquake Risk
      - 3.2.2. Analyzing Earthquake Risk
      - 3.2.3. Assessment of Earthquake Risk
  4. Developing Recommendations
  5. Including Risk Assessment Results in the DRR Plan
  6. Developing Earthquake Risk Assessment Reports
- The work for developing the draft guideline for the detailed assessment of earthquake risk is in progress.

7

### Sub-Working Group 1-2: Guideline for Developing the Earthquake DRR Plan

#### Progress of Activities

- The draft Guideline for Developing Earthquake DRR Plans for aimags and soums has been developed, and its contents have been verified and refined. The draft Guidelines for Developing Earthquake DRR Plans at the national, ministry, capital and district level are currently being amended and finalized.
- The working plan for the pilot regions selected for developing and improving the DRR plan (Darkhan-Uul, Umnugovi and 2 districts of the capital city) is being developed and the preparation work is underway.

### Sub-Working Group 1-3: Agreement

A workshop entitled "Cooperating within the Scope of the agreement during Disasters" was held on April 9<sup>th</sup>, 2018 in which suppliers of medicine and medical equipment to national disaster protection agencies have participated.



### Sub-Working Group 1-3: Agreement

#### Progress

Sector	Party in Charge of Developing the Memorandum	Status of the Memorandum as an Agreement
Telecommunications	Communications Service Providers	Under review by the Telecommunications Department
Fuel and gas	MRPAM	Completed
Medicine, human resources and medical equipment	MoH	Drafted and delivered
Food	MoFA	Drafted and delivered
Temporary shelter	MCUD	Drafted and delivered
Sewage	USUG	Drafted and delivered

### Working Group 1-3: Memorandums of Cooperation

#### Further Plans

- Adding the part about memorandums to the DRR plans of national agencies



- Organizing the necessary meetings with the MoFA and communications service providers in order to sign the memorandums

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### Working Group 1-4: DRR White Paper

#### Work Progress of Developing the DRR White Paper

- The main contents of the White Paper have been finalized and presented to NEMA officials for feedback.
- The White Paper have been fully translated from Mongolian to Japanese and have been submitted to the JICA Expert Team for feedback.
- Price proposals from printing companies have been received and preparation for the printing work is underway.



### Study Tour in Japan:

- The principal foundation for developing DRR plans is damage estimation.
- Real DRR goals and objectives are developed based on damage estimation.
- Disaster risk assessment results are included in the DRR plan.
- The participation of all relevant parties are included when developing the plan. The responsibilities of all relevant parties are specified and memorandums of cooperation with public and private entities are established.
- The DRR capacity of citizens, the public and volunteer organizations; as well as the contents and objectives of their activities.
- The organization and budget of temporary shelters.

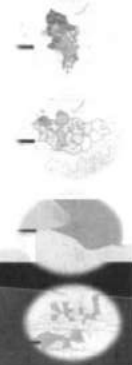


"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"

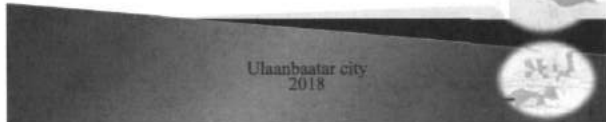


### ◆ Sub Working Group 1-5 Preparation of Juram (Guideline) of Spatial Database for Disaster Risk Reduction (SDDRR)

5<sup>th</sup> Joint Coordination Committee (JCC) Meeting  
April 23, 2018



Ulaanbaatar city  
2018



### Topics: Development of Contract for Spatial Database Sharing



- We held joint working group meetings with Land Administration, Geodesy and Cartography (ALAGAC), and agreed to make a condition to share basic spatial database of Mongolia through WMS and WFS via e-services continuously. NEMA and ALAGAC has just signed a contract agreement.
- We are on the contract negotiation process with Urban Development and Master Planning Dep. of Capital City for data exchange and signing a contract agreement.
- Disaster research institute and MONMAP LLC signed on contract agreement for gathering historical record of high and mid resolution satellite images and update existing spatial database and WMS in NEMA.



### Topics: Training for preparation of human Resource

- 50 staff from Central and Local Emergency Departments of NEMA participated in 2 days training "Utilization of Spatial Database for DRR in NEMA"
- Main purpose of training are below:
  - To gain basic knowledge and skill of spatial database management and information sharing system operation for DRR
  - To understand why spatial database management is needed and to discuss a better way to utilization of spatial database system in NEMA



### Progress of Development of Juram (Guideline) & Operation Manuals



- For purposes to improve the draft juram (draft Guideline) of Spatial Database for Disaster Risk Reduction (SDDRR) and to include the idea of each specialist in charge of Communication & Alarm System of 21 aimags and EMDs, we distributed our draft juram to them and asked to submit their comments and feedbacks for this draft Juram. Completed to receive comments from regional EMD office at the 1<sup>st</sup> of April 2018. Now sub working group members working on comments and improving draft Juram Guideline.
- Translation task of the 10 technical manuals has been done 100%, and now its on the final step for checking.

	Нэг	Төрөл	2017						2018						Target period			
			11-12	1	2	3	4	5	6	1	2	3	4	5		6		
1		Juram (Guideline) for Operation and Management of Spatial Database for Disaster Risk Reduction (SDDRR)															40%	By June, 2018
2		Manual for install, set-up, development and operation. /One set/															100%	By June, 2018



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[WWW.MAP.NEMA.GOV.MN](http://WWW.MAP.NEMA.GOV.MN)

Simple Demonstration of Spatial Database  
System for DRR



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### Earthquake risk assessment guidelines for infrastructure and lifeline

Completed the Earthquake Risk Assessment Guidelines for Infrastructure and Lifeline, and submitted the final version to the Ministry of Construction and Urban Development.

- On November 11, it was approved by discussion at the Respective professional council of the Construction development center.
- The science and technology committee of the Ministry of Construction Urban Development discussed and approved on December 12.



### Selection of Model Buildings for Seismic Strengthening

Structure	Usage	Name	Location	Note
Masonry	Kindergarten	No. 105 Kindergarten	Songino Khaarkhan District	Constructed with standard design drawings
	School	No. 23 School	Chingeltei District	Large-scale school, based on standard design
	Public Office	NEMA	Sukhbaatar District	Public office necessary for emergency response
RC	Hospital	No.1 Gynecology Hospital	Sukhbaatar District	One of few RC hospital buildings
PC	Apartment House	9-Storey Apartment	Bayangol District	Apartment house, based on standard design

### Training Program for Seismic Evaluation

Day	Time	Topic	Content
Day 1	08:00-12:00	Introduction of Seismic Evaluation	Introduction of Seismic Evaluation, Importance of Seismic Evaluation, Seismic Evaluation in Design
Day 2	08:00-12:00	Seismic Evaluation of Masonry Buildings	Seismic Evaluation of Masonry Buildings, Masonry Buildings, Masonry Buildings
Day 3	08:00-12:00	Seismic Evaluation of RC Buildings	Seismic Evaluation of RC Buildings, RC Buildings, RC Buildings
Day 4	08:00-12:00	Seismic Evaluation of PC Buildings	Seismic Evaluation of PC Buildings, PC Buildings, PC Buildings
Day 5	08:00-12:00	Seismic Evaluation of Steel Buildings	Seismic Evaluation of Steel Buildings, Steel Buildings, Steel Buildings
Day 6	08:00-12:00	Seismic Evaluation of Composite Buildings	Seismic Evaluation of Composite Buildings, Composite Buildings, Composite Buildings
Day 7	08:00-12:00	Seismic Evaluation of Special Buildings	Seismic Evaluation of Special Buildings, Special Buildings, Special Buildings
Day 8	08:00-12:00	Seismic Evaluation of Existing Buildings	Seismic Evaluation of Existing Buildings, Existing Buildings, Existing Buildings
Day 9	08:00-12:00	Seismic Evaluation of Infrastructure	Seismic Evaluation of Infrastructure, Infrastructure, Infrastructure
Day 10	08:00-12:00	Seismic Evaluation of Lifeline	Seismic Evaluation of Lifeline, Lifeline, Lifeline
Day 11	08:00-12:00	Seismic Evaluation of Urban Buildings	Seismic Evaluation of Urban Buildings, Urban Buildings, Urban Buildings
Day 12	08:00-12:00	Seismic Evaluation of Rural Buildings	Seismic Evaluation of Rural Buildings, Rural Buildings, Rural Buildings
Day 13	08:00-12:00	Seismic Evaluation of Industrial Buildings	Seismic Evaluation of Industrial Buildings, Industrial Buildings, Industrial Buildings
Day 14	08:00-12:00	Seismic Evaluation of Storage Buildings	Seismic Evaluation of Storage Buildings, Storage Buildings, Storage Buildings
Day 15	08:00-12:00	Seismic Evaluation of Other Buildings	Seismic Evaluation of Other Buildings, Other Buildings, Other Buildings

### Future activity

- Sample Seismic Evaluation
  - Required for approval by scientific committee of MCUD
  - Will be used in training course for seismic evaluation
- Preparation of Training Program for seismic evaluation
  - Texts and calculation tools
  - Nomination of lecturers
  - Confirmation of date, venue, and other logistic items

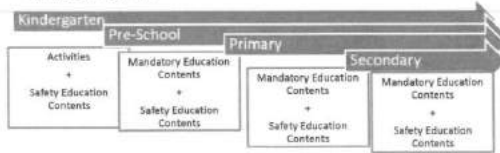
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### Training for Working Group 3.1

- Date: March 5-9, 2018
- Result: Verified and improved the coherence of the contents of the training programs.



- The programs were improved on the basis of recommendations from external experts and were delivered to MECSS on March 12.
- The programs were approved through decree A/181 passed on April 6 by the Minister of Education.



### Training for Developing Manuals

- Date: April 18-20, 2018
- Work Completed:
  - A matrix for coordinating the contents of the training (subject) and the contents of the "Safety Life Skill Program" has been developed.
  - The proposed methodology to be included in the manual for teachers implementing the "Safety Life Skill Program" has been developed.
- Work to be Completed:
  - Mock lessons in kindergartens and schools (May)
  - Finalizing the manuals (June-July)



8

### Activity Plan for Working Group 3.1



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### Output 3-1: DRR Education for Schools Instructor Training

(Activity 3.1.3 Implement Training for the Instructors of Teachers)

#### Training Implementation Plan (Draft)

Location	Hovd Aimag (5 Aimag)	UB City 1 <sup>st</sup> Round (9 Districts, 3 Aimag)	UB City 2 <sup>nd</sup> Round (13 Aimag)
Training Contents, Preparation (WG Meetings)	April-August, 2018 September 5-8, 2018: Training Preparation Workshop		
Training (Participants: 3 people each from the 9 Districts of UB and the 3 Aimag for 3 days)	September 11-13, 2018	September 18-20, 2018	October 8-10, 2018
Training Evaluation, Developing the Draft Manual (WG Meetings)	October – December, 2018		

#### Training Contents (Draft)

- Elementary DRR Knowledge: Disaster mechanism, and basic concepts of DRR and methods to protect oneself from disasters
- Practice exercises: Methods for acquiring and transmitting general DRR knowledge and capabilities

#### Training Evaluation

- Studying the training evaluation methodology → Evaluation will be conducted upon completion of the training specified above.

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Thank You for Your Attention!

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## Training Program for Providing DRR Training to Citizens

Topic	Sub-Topic	Unit Hours		Total Hours
		Lectures	Exercises	
General Understanding of Emergencies, Accidents, Disasters and Disaster Risk		1	1	2
Ensuring Disaster Preparedness at Home, Risk Reduction Methods (Per Disaster Type)			5	5
First Aid and Resuscitation		1	1	2
Citizen Participation in Regional DRR Activities		1		1
<b>Total</b>		<b>3</b>	<b>7</b>	<b>10</b>

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### Activity 3.2.2: Developing DRR awareness-raising materials and organizing training in the selected regions

During the WG meeting of February 1-2, 2018, the practice-based training following the classroom training of the "Be Ready" program is planned to be conducted based on Japanese experience in the form of a relay race titled "**Anyone is Ready Anytime and Anywhere**". The procedure of the race as well as a list of the required equipment have been developed.



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### Test Regions Proposed by Activity 3-2-2 (Regional DRR Education)

	Proposed Region	Reason for Selection
1	UB City (Center) Bayangol District	District contains several new, old, tall and short buildings. Location: Western Side of UB.
2	UB City (Ger Districts) Bayanzurkh District	District contains several dense Ger Districts. Location: Eastern Side of UB.
3	Rural Area Zavkhan Aimag	High probability of earthquakes, low degree of overlap with activities of other support programs.

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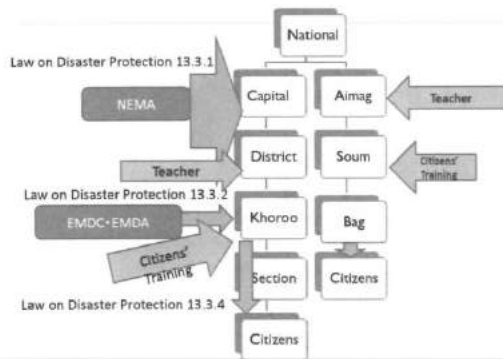
### Activity 3.2.2: Developing DRR awareness-raising materials and organizing training in the selected regions

A total of 50 teachers for the "**Anyone is Ready Anytime and Anywhere**" program have been prepared in the target areas of the Project, including 15 volunteer teachers from Zavkhan aimag, and the capital's Bayangol and Bayanzurkh districts; as well as 10 people from Uliastai and Otgon soum of Zavkhan, the 23-rd khoroo of Bayanzurkh district, the 2<sup>nd</sup> khoroo of Bayangol district, the administrations of aimags and districts, and lifelong learning centers.

Training was held on the following dates.

- Bayanzurkh and Bayangol Districts: March 21
- Zavkhan Aimag: March 26

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**Activity 3.2.3: Refining the training program of the EMDC DRR Training Center**

On February 1 and 2, the WG has discussed ways to improve the DRR Training Center's training materials and equipment.

During these meetings, we have discussed the training materials and equipment (to be supported by the JICA Project) for the room for young children and the earthquake experience room, as well as other related topics.



**Working Group 3-2 Regional DRR Education**

**Current Obstacles**

-The information of organizations, sponsors and related entities that conduct DRR awareness-raising activities are being compiled in the 4W format on an experimental basis

**Further Plans**

- The teachers who have attended training are planning to organize a training session for citizens according to the schedule below.

Location	Soum, khoroo	Date	Soum, khoroo	Date
Zavkhan almag	Otgon soum	May 12	Uliastai soum	May 14
UB City	BGD, 2 <sup>nd</sup> khoroo	May 17	BZD 23 <sup>rd</sup> khoroo	May 19

-Developing the guideline for the DRR relay race

-Refining the training program and bulletin board of the DRR Training Center

14 -The relevant preparation work for the procurement of the earthquake experience platform (around November 2018)

THANK YOU FOR YOUR ATTENTION!

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## Annex 4: Working Group Member List

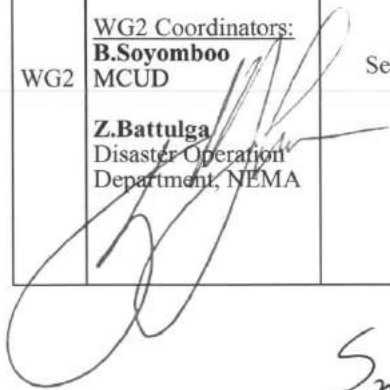
### “THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA”

#### 5th Joint Coordination Committee (5th JCC)

Date: April, 23rd 2018

#### Working Groups

Working Group (WG)		Sub-WG	Member
WG1	<b>Disaster Management Plan</b> WG1 Coordinator: <b>D.Bazarragchaa</b> Disaster Risk Management Department, NEMA	Risk Assessment Guideline	<b>D.Serjmyadag</b> Disaster Research Institute, NEMA <b>P.Amarzaya</b> Disaster Research Institute, NEMA <b>D.Bazarragchaa</b> Disaster Risk Management Department, NEMA <b>B.Batbayar</b> Disaster Risk Management Department, NEMA <b>B.Khishighbaatar</b> Disaster Operation Department, NEMA <b>S.Bazarragchaa</b> Disaster Research Institute, NEMA
		Disaster Management Planning Guideline, Preparedness Planning Guideline and Risk Management Guideline	<b>B.Bayanmunkh</b> Policy Coordination and Cooperation Department, NEMA <b>B.Myagmardorj</b> Disaster Operation Department, NEMA <b>Ch.Otgontugs</b> Fire Department, NEMA <b>E.Batbayar</b> EMDC <b>A.Dashnyam</b> EMDC <b>Ts.Turbileg</b> Disaster Operation Department, NEMA
		Agreements	<b>B.Duvshin</b> Disaster Risk Management Department, NEMA
		White paper	<b>O.Tsend-Ayush</b> Disaster Prevention Department, NEMA
		Database Guideline	<b>B.Purevnyam</b> Disaster Operation and Early Warning Command Center, NEMA <b>D.Bayarbaatar</b> Disaster Operation and Early Warning Command Center, NEMA <b>D.Sodnomragchaa</b> Disaster Research Institute, NEMA <b>B.Boldkhuu</b> Disaster Operation and Early Warning Command Center, NEMA
WG2	<b>Seismic Resistance</b> WG2 Coordinators: <b>B.Soyomboo</b> MCUD  <b>Z.Battulga</b> Disaster Operation Department, NEMA	Seismic Diagnosis of Buildings	<b>B.Soyomboo</b> MCUD <b>Z.Battulga</b> Disaster Operation Department, NEMA <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>B.Tsend-Ayush</b> Master Planning Agency of Capital City, Construction Quality and Safety Department <b>G.Saruultuya</b> Construction Development Center <b>T.Galbadrakh</b> Finance and Logistics Department, NEMA <b>G.Erkhembayar</b> MCUD <b>B.Gantulga</b>



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Working Group (WG)		Sub-WG	Member
			Land Management, Geodesy and Cartography Agency, MCUD
		Seismic Diagnosis of Infrastructures and Lifelines	<b>B.Soyomboo</b> MCUD <b>Z.Battulga</b> Disaster Operation Department, NEMA <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>B.Munkhsaikhan</b> General Agency for Specialized Inspection <b>G.Erkhembayar</b> MCUD <b>B.Gantulga</b> Land Management, Geodesy and Cartography Agency, MCUD
		Design for Seismic Strengthening	<b>B.Soyomboo</b> MCUD <b>Z.Battulga</b> Disaster Operation Department, NEMA <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>B.Tsend-Ayush</b> Master Planning Agency of Capital City, Construction Quality and Safety Department <b>G.Saruultuya</b> Construction Development Center <b>G.Erkhembayar</b> MCUD <b>B.Gantulga</b> Land Management, Geodesy and Cartography Agency, MCUD <b>Ts.Khulan</b> Master Planning Agency of Capital City, Construction Quality and Safety Department
WG3	<b>DRR Education</b> WG3 Coordinator: <b>D.Munkhbat</b> Disaster Prevention Department, NEMA	School DRR Education	<b>J.Myagmar</b> MECSS <b>Ch.Gantsetseg</b> MECSS <b>P.Baljinyam</b> MECSS <b>G.Mongolkhatan</b> Education Research Institute, MECSS <b>B.Erdenechimeg</b> Education Research Institute, MECSS <b>A.Enkhtogtokh</b> Education Research Institute, MECSS <b>G.Khaliun</b> Education Research Institute, MECSS <b>N.Munkhbayar</b> ITPD <b>D.Munkhbat</b> Disaster Prevention Department, NEMA <b>L.Munkhehimeg</b> Disaster Prevention Department, NEMA <b>G.Enkhtsolmon</b> Disaster Prevention Department, NEMA
		Community DRR Education	<b>D.Munkhbat</b> Disaster Prevention Department, NEMA <b>D.Bat-Erdene</b> Disaster Prevention Department, NEMA <b>B.Uuriingegee</b> EMDC <b>B.Chinbat</b> EMDC <b>D.Dulamsuren</b> Public Information Center, Disaster Prevention Department,



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*or*



Working Group (WG)		Sub-WG	Member
			NEMA <b>S.Doljinsuren</b> EMDC <b>B.Ariunchimeg</b> National Center for Long life Education



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## Annex 5: Record of Question and Answer in the 5th JCC Meeting

### 1. Amendment of Working Group Member

**Comment: Ms. Bazarragcha, NEMA:**

Let us discuss the topics according to the meeting procedure. As a result of change in positions, Colonel Dashnyam will be replaced by someone else. Furthermore, there is a change in the team composition of WG3. Are there any comments on the changes in WG members?

**Comment: Mr. D. Batsaikhan, NEMA:**

Major Myagmardorj may potentially replace Colonel Dashnyam. Currently, we are expecting an official letter from the Anti-Corruption Bureau.

It is understandable that new member will be nominated for Myagmardorj. As for WG3-1, Mr Enkhtsolmon has joined WG, then there is no objection on it.

**Comment: Ms. Myagmar, MECSS:**

Even though the WG3-1 is working on activities geared towards essential results and methodologies for DRR education, I wish no changing member from NEMA any more in a stable manner.

### 2. Schedule of Installing Equipment

**Comment: Mr. Hosokawa, JICA:**

The supply of equipment from the Japanese side has faced a delay due to budget issues. In response to the concerns about equipment for seismic diagnosis raised by General Badral, we plan to conduct the training in June with the equipment that are available from Master Planning Agency of Capital City or other.

**Question: Ms. Jargal, GASI:**

I would like to clarify two things. Firstly, will the exact equipment we have planned for arrive? Is there a deadline for the arrival date?

Secondly, I believe that training on how to use the equipment is very important. How will we obtain information?

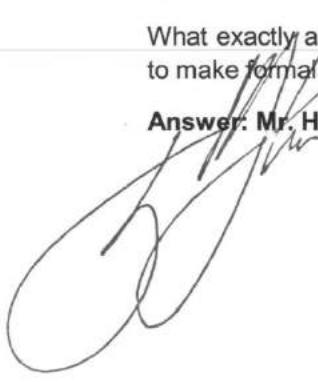
**Answer: Mr. Hosokawa, JICA:**

There is no change in the quantity and type of equipment to be supplied to Mongolia. However, we are currently unable to fix a final date for the arrival of the equipment. We are planning to conduct special training on how to use the equipment soon after procurement of the equipment.

**Question: Ms. Enkhtuya, Master Planning Agency of Capital City**

What exactly are the equipment that we may use for the June training? We may need to make formal requests to our officials in order to use them.

**Answer: Mr. Hosokawa, JICA:**



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Understood.

**Comment: Mr. Jargalsaikhan, National Security Council:**

I would like to request that we receive Project materials ahead of the meeting. Otherwise, when meetings are suddenly announced, we don't have the opportunity to properly prepare our questions.

**Comment: Mr. Hosokawa, JICA:**

In terms of the equipment of earthquake simulation experience to be supplied within the framework of the Project, the supplier has been determined last month.

The supply of the equipment is planned in October of this year. There is also the issue of discussing the contents of the video shown during the earthquake experience and the type of earthquakes to be experienced, and I'd like to ask the Mongolian side to cooperate with us on this matter.

In addition to this, I'd like to ask for replacement of existing equipment in order to install the new equipment.

**Comment: Mr. Owada, JICA Expert Team:**

In addition to the operation and maintenance plan of the equipment that agreed in 3rd JCC, last year, the safety fence and steps will need to be installed, and also portal crane and hand lift jack are needed to assemble the equipment. I would like to request the preparation of those.

**Comment: Mr. Batsaikhan, NEMA:**

The installation plan of the equipment and the relevant preparation work is underway. We will take your comments into account in our activities.

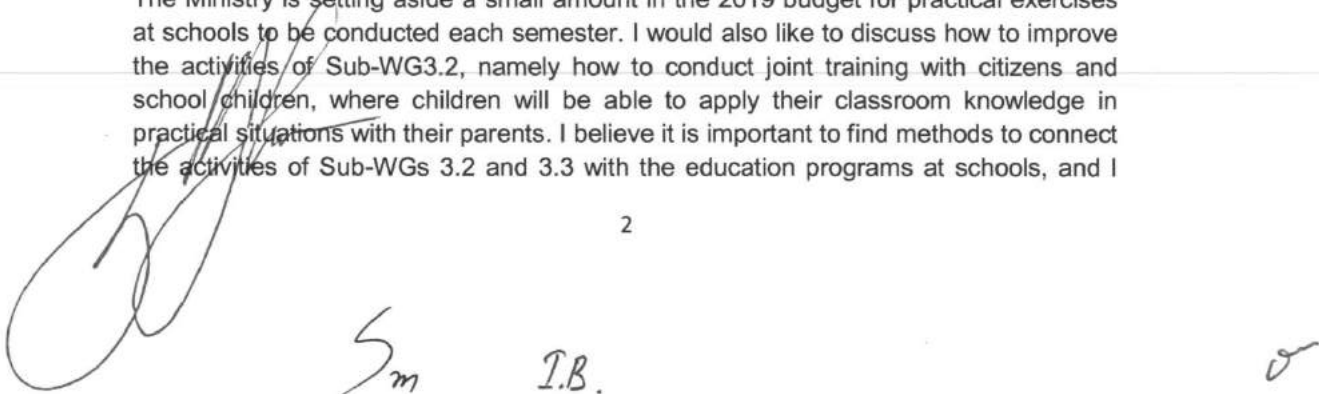
**3. Pilot Areas for DRR Education and Awareness Activities**

**Comment: Ms. Bazarragchaa, NEMA:**

Two soums in Zavkhan aimag and two districts in UB have been selected. Are there any questions or comments on this?

**Comment: Ms. Myagmar, MECSS:**

On April 6th we have approved the DRR education programs for kindergartens and schools through a ministerial decree. I believe we need to pay attention to real outcomes of the citizens' DRR training in soums and the DRR education in schools and kindergartens, and how to connect their activities. The DRR education programs were developed in detail taking into account the preparation of teachers for extra-curricular activities. However, our main concern is that classroom-based training is not enough and doesn't provide real training on how to help oneself and others during disasters. The Ministry is setting aside a small amount in the 2019 budget for practical exercises at schools to be conducted each semester. I would also like to discuss how to improve the activities of Sub-WG3.2, namely how to conduct joint training with citizens and school children, where children will be able to apply their classroom knowledge in practical situations with their parents. I believe it is important to find methods to connect the activities of Sub-WGs 3.2 and 3.3 with the education programs at schools, and I

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urge the cooperation of WG3, the regions, and even NEMA in this matter. Otherwise, just a classroom training program approved by the Ministry of Education will not be very effective. There is a need to convert classroom knowledge into effective, practical habits. I also wish that the relevant parties work to include people from the education sector of the test soums and expand the circle of cooperation to other entities; for example, the role of traffic police in disaster situations.

**Question: Major General Badral, Head of NEMA:**

I would like to ask a couple of questions. Could the "Safety Life Skill Program" be approved by the Minister of Education be adopted at the national level? World Vision also has a similar program and there is the issue of which one to choose.

**Answer: Ms. Myagmar, MECSS:**

Only programs approved by the Minister of Education will be adopted at the national level. Other programs from World Vision, the Red Cross etc., are not officially adopted. I would like to clarify that our WG has studied the World Vision program and other programs to determine what contents may be included in our program. We have tried to adapt the contents to Mongolian conditions.

**Question: Major General Badral, Head of NEMA:**

Since the World Vision program is a very good one, can we obtain the approval of the Minister of Education?

**Answer: Ms. Myagmar, MECSS:**

Education programs for schools are difficult to adapt to residents. I believe it would be more effective to issue a joint decree between the Minister of Education and the Deputy Minister for this matter.

**Question: Major General Badral, Head of NEMA:**

Who will approve the guidelines of earthquake disaster risk evaluation developed by the WG1?

**Answer: Ms. Bazarragchaa, NEMA:**

The guidelines will be approved by the Deputy Minister through government resolution 67 of 2018. The guideline for each disaster type are being developed.

**Question: Major General Badral, Head of NEMA:**

Is there a possibility to develop a TOR containing the I-DSIS (Internet-based Disaster Spatial Information System)? Since we urgently require the approval of the I-DSIS manual and organize the relevant training sessions, please finish developing the manual as soon as possible. We also need to urgently prepare the four new officials who are to be appointed. I would also like to raise the issue of purchasing a server.

**Answer: Mr. Bayarbaatar, NEMA:**

In terms of the Sub-WG 1-5 in charge of developing guideline for SDDRR (Spatial Database for Disaster Risk Reduction), four officials are being reviewed and will be presented to the Board of Directors this week. The I-DSIS manual has been developed

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and is now in the translation stage. The number of required officials and their positions have been submitted to the Human Resources Division of the Administrative Department. In terms of the server, it has been installed at the National Data Center and is ready to accept data.

**Answer: Mr. Ankhbileg, JICA Project Team:**

We have updated the old server in EWC (Early Warning Center) and have not purchased a new one. I heard NEMA is supposed to purchase a server.

**Comment: Major General Badral, Head of NEMA:**

We have put forth a proposal to purchase a new server through an Asian Development Bank project and I'd like to ask you to resolve this matter with the NEMA's Policy Coordination and Cooperation Department.

Since our Project is halfway done, I urge the members to catch up on late work.

There are a lot of duplications in the White Papers and I would like to ask to review them. I also urge the members in charge to hasten the work to be approved by the Minister of Construction and Urban Development. Also, it would be good if all the documents are approved as the Project progresses. Likewise, I would also like to urge those in charge of the agreements to quickly contact the relevant ministries and hasten their work. Because we would like to present them during the AMCDRR in July.

Since we will be using the Spatial Database and I-DSIS in the future, please quickly complete the approval processes that are required from the relevant ministries.

Also, we don't want to extend the deadline for the procurement of equipment again so please pay attention to this matter.

**Question: Ms. Jargal, GASI:**

I heard from WG2 that evaluation is being conducted on five candidate buildings. I would like the WGs to provide us with more transparent information on how the evaluations are being conducted, what results are being achieved, and what are the further measures to take. Secondly, I would like the equipment to be used in the June training to be the same as the four or five equipment to be supplied to us. Thirdly, since the implementation of construction guidelines are conducted by inspectors in rural areas, I also would like to include inspectors in charge of the guidelines for buildings and infrastructure lifelines in the June training. The implementing inspectors will also need to obtain information on the equipment and guidelines.

**Answer: Mr. Owada, JICA Expert Team:**

The equipment for the June training will be procured for temporary use from the capital city and the University of Science and Technology. However, there is no equipment to measure corrosion available in Mongolia and therefore, when the corrosion-measuring equipment arrives within the scope of the Project, we will organize a special training for this equipment. In response to the issue of involving GASI inspectors in the June training, I understand that we are able to input a lecture in training program that will be organized by GASI for inspectors.

**Question: Ms. Jargal, GASI:**

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There will not be enough time for that. Since GASI inspectors will be implementing the guidelines, I would like them to be fully informed on how to effectively carry out their tasks, such as how to use equipment, how to conduct evaluations etc.

**Answer: Mr. Fukushima, JICA Expert Team:**

The June training is primarily related to the passport certification, and since GASI conducts examinations after the passport certification process, the June training is directed at providing not only GASI but also other organizations for understanding of the passports. GASI representatives may attend the training and then provide information to other inspectors afterwards. We believe in reality there is not much possibility to include a large number of participants in the June training.

**Comment: Mr. Jargalsaikhan, National Security Committee:**

The main purpose of the JCC meeting is to ensure the coordination of Project activities, provide support to these activities and to strengthen the relations of related organizations. We would like to request the information beforehand.

In terms of the guidelines for the regional DRR plans, although they are primarily aimed at aimags and soums, I believe that there are a lot issues at the bag and khoroo level. Bag and khoroo officials are more involved in day-to-day operations and providing information, and are the first to gather people in the event of a disaster. Therefore, I would like to propose developing a guideline for a "1 bag, 1 khoroo" DRR plan. Even if citizens have no information of disaster, they will have a much better understanding and knowledge how act in disasters if they have a plan..

**Question: Major General Badral, Head of NEMA:**

There are over 330 soums in Mongolia. Their population ranges from 20-30 to over a thousand. Is there a possibility to increase the number of soums? I believe the current number of soums are too low and I propose to increase the number to at least 5.

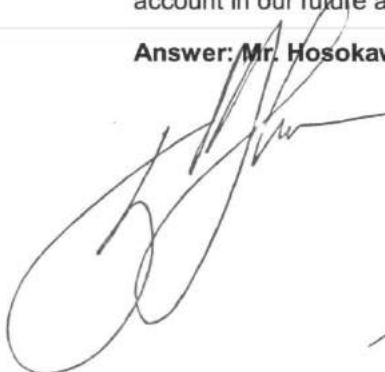
Since GASI inspectors always conduct on-site activities, I urge you to take into account the comments of Jargal.

Furthermore, taking into account the concerns of Mr. Sato, we will strive to continue our activities unimpeded during the AMCDRR.

**Answer: Mr. Owada, JICA Expert Team:**

In terms of the coordination of activities between working groups, the activity of WG1 is developing the guideline for Aimag and Soum earthquake disaster protection plan in consideration of WG3 activities as on-site duties. Also in terms of WGs 1 and 2, WG1 is carrying out their activities for preparation of the earthquake risk assessment guideline based on the earthquake risk evaluation methods developed by WG2. Regarding the comment from Mr. Jargalsaikhan, we will take his comment into account in our future activities.

**Answer: Mr. Hosokawa, JICA Expert Team:**



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In response to Mr. Jargalsaikhan, according to R/D, the JCC meeting is to discuss the orientation of the project's activities. However, since the time of JCC meetings is limited, the opportunity of Steering Committee meetings should be utilized to discuss some issues and challenging for ordinary activities. In response to General Badral, taking into account the R/D, which states the number of soums as 2-3, as well as the time and budget we have left, we're afraid that it would be impossible to expand the number of soums. In terms of including GASI inspectors, we believe it would be more effective for the few representative participants to explain the content of the training to the relevant parties afterwards.

**Comment: Ms. Bazarragchaa, NEMA:**

The topics discussed will be included in the Project documentation. Now let us set a date for the next JCC meeting.

**Comment: Mr. Batsaikhan, NEMA:**

We are planning to hold the next JCC meeting in September. If there are no objections, we will specify the exact date later on.

**Comment: Ms. Bazarragchaa, NEMA:**

To summarize the contents of today's discussion:

There have been changes in the composition of WG members.

The Mongolian side wishes that the equipment be supplied within the planned date with no delay, if possible.

WG3 has presented a new proposal to improve the coherence of training programs. The coherence between the World Vision training package and the training programs of WG3.1 will be considered.

In terms of the training program of WG2, another training session will be conducted after the June training with new equipment.



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**MINUTES OF MEETING  
ON  
THE SIXTH JOINT COORDINATING COMMITTEE MEETING  
FOR  
THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN  
MONGOLIA**

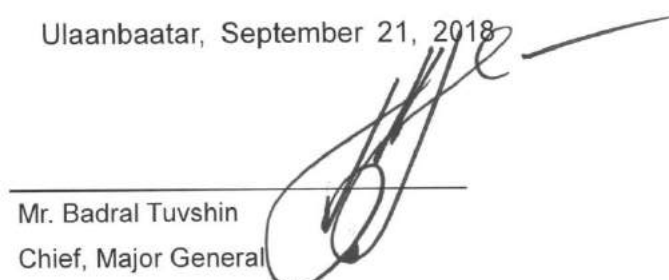
Joint Coordinating Committee (hereinafter referred to as "JCC") for the Project for Strengthening the National Capacity of Earthquake Disaster Protection and Prevention in Mongolia (hereinafter referred to as "the Project") held its sixth meeting on September 21, 2018 from 11:00 to 12:40, at Conference Room of National Emergency Management Agency (hereinafter referred to as "NEMA"), Ulaanbaatar, Mongolia, chaired by Mr. Ulziibayar Luvsansharav, Director of Policy Coordination and Cooperation Department and Lieutenant Colonel on behalf of Mr. Badral Tuvshin, Chief and Major General, NEMA and supported by Mr. Kiyotaka Owada representing the Expert Team dispatched by the Japan International Cooperation Agency (hereinafter referred to as "JICA"). JCC members were invited and attended to the JCC. The list of the participants and agenda of the meeting are provided in Annex 1 and Annex 2, respectively.

The main subjects discussed and agreement made at the meeting are summarized in the attached document hereto.

Ulaanbaatar, September 21, 2018



Mr. Mutsumi Sato  
Chief Representative  
Mongolia Office  
Japan International Cooperation Agency  
Japan



Mr. Badral Tuvshin  
Chief, Major General  
National Emergency Management Agency  
Mongolia



Mr. Kiyotaka Owada  
Team Leader  
JICA Expert Team  
Japan



Mr. Batkhuu Idesh  
Director General  
Development Financing Department  
Ministry of Finance, Mongolia

## ATTACHED DOCUMENT

### 1. Progress of Activities for each Working Group

The representatives of each Working Group (hereinafter referred to as "WG") member explained the current progress of WG activities based on the presentation documents as shown in the Annex 3. JCC members understood the progress and outputs of WG activities, existing issues and future plan at this moment.

### 2. Nominating Officers for the Working Group Members

According to the Record of Discussions signed on July 8, 2016 (hereinafter referred to as "R/D"), the project organization of Mongolian side includes counterpart (hereinafter referred to as "C/P") WG in order to implement project activities at output level of the Project.

Mongolian side submitted the member list of the C/P WG that was amended from the member list approved in the fifth JCC on April 23, 2018 in order to respond to changes in members' positions and conduct more effective WG activities. And then, Mongolian side promised to nominate new members immediately if successors of withdrawal from WG members have not been nominated yet. JCC members agreed about the amended member list of WG as shown in the Annex 4.

### 3. Progress of Procuring Equipment

Japanese side explained that the preparation for shipment of the equipment of earthquake simulation experience has been underway and the arrival date of the equipment at the Ulaanbaatar station is scheduled on October 19, 2018, the installation of equipment will be commenced on November 5, 2018. Japanese side requested that Mongolian side should complete construction works including drainage water disposal and essential countermeasures against further inundation, and all advance preparations necessary for installing the equipment at the Disaster Protection Training and Methodology Center by October 5, 2018.

Mongolian side accepted this request and promised to handle appropriate preparations and responses for installing the equipment and to make necessary measures with adequate construction management to prevent inundation at the area where the equipment will be installed.

Regarding the equipment for seismic diagnosis, Japanese side explained that the timing for procurement of the equipment will be around early November, 2018, and the usage guidance of new equipment is going to be conducted after this procurement.

Mongolian side mentioned that the implementation method of guidance of the equipment shall be discussed in the activity of WG2.

4. Next JCC meeting

The Mongolian side will consider that the next JCC will be scheduled on the third or fourth week of January, 2019 and notify related organization.

5. Question and Answer on the JCC

The record on the session of Question and Answer in the JCC is shown in Annex 5.

Annex 1: List of participants

Annex 2: Agenda of the JCC meeting

Annex 3: Presentation documents for the progress of Activities for each Working Group

Annex 4: Working Group Member List

Annex 5: Question and Answer in the JCC meeting



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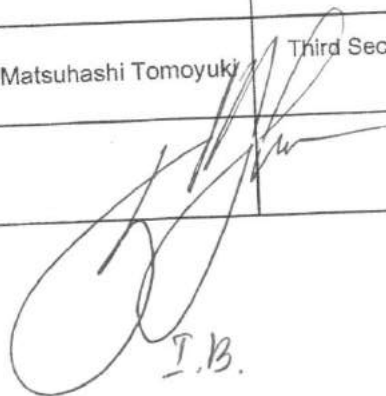
**"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"**

Date: 2018/9/21

Place: NEMA Conference Room (1st Floor)

Title of Meeting: 6th Joint Coordination Committee (6th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
T.Badral	Chief, Major General, NEMA		
L. Sayana	Advisor in charge of Emergency Management of Deputy Prime Minister		
S.Magnaisuren	State Secretary, Ministry of Construction and Urban Development		
D.Batsaikhan	Director, Disaster Prevention Department, NEMA		
Yo.Jargalsaikhan	Referent of National Security Council		
L.Ulziiibayar	Director, Policy Coordination and Cooperation Department, NEMA	ulzii0609@ csc.mn	
D.Jargal	Director, Infrastructure and State Inspection Department, General State Inspection Agency	d.jargal@ yahoo.com	Jargal 21/9
T. Batkhuu	Director, Development Financing and Debt Management Department, Ministry of Finance		
J.Myagmar	Director, Division of Preprimary and Primary Education, Ministry of Education, Culture, Science and Sports		
P.Bayarkhuu	Vice Mayor of the Capital City in charge of Urban Development		
N.Ulambayar	Director, Emergency Management Department of the Capital City (EMDC)		
G.Enkhtuya	Director, Construction Quality and Safety Division, Master Planning Agency of Capital City	g.enkh@yahoo. com	
Eriko Tamura	Senior Representative, JICA Mongolian office	tamura.eriko @jica.go.jp	田村 利子
Satomi Yoshino	Project Formulation Advisor, JICA Mongolian Office	yoshino.satomi@ jica.go.jp	吉野 聡美
Matsuhashi Tomoyuki	Third Secretary, Embassy of Japan in Mongolia		



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**"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"**

Date: 2018/9/21

Place: NEMA Conference Room (1st Floor)

Title of Meeting: 6th Joint Coordination Committee (6th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
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Kyotaka	JET		
Akihiko	JET	furuta@ogkpa.jp	古田

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**"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"**

Date: 2018/9/21

Place: NEMA Conference Room (1st Floor)

Title of Meeting: 6th Joint Coordination Committee (6th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
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С. Дорж	JET	odko07@yahoo.com 88975548	
У. Цэцэг	JET	41418600 odkhur@yahoo.com	
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**“THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA”  
Agenda for 6th Joint Coordination Committee (6th JCC)**

**Date:** September, 21<sup>st</sup> 2018

**Time:** 11:00~12:40

**Venue:** NEMA Conference Room

No.	Time	Agenda	Presenter
	10:50-11:00	Registration	
1	11:00-11:10 (10 min)	Opening remarks from NEMA	<i>Mr. Badral Tuvshin Chief, Major General, NEMA</i>
2	11:10-11:20 (10 min)	Opening remarks from JICA	<i>Ms. Eriko Tamura Senior Representative, JICA Mongolia Office</i>
3	11:20-11:25 (5 min)	Overview of project activity and schedule	<i>Mr. Kiyotaka Owada Team Leader, JICA Expert Team</i>
4	11:25-11:40 (15 min)	Progress of WG1 Activity	<i>D. Bazarragchaa Disaster Risk Management Department, NEMA D. Sodnomragchaa Spatial Information and Technology Division, NEMA</i>
5	11:40-11:55 (15 min)	Progress of WG2 Activity	<i>O. Bayarbaatar Ministry of Construction and Urban Development</i>
6	11:55-12:10 (15 min)	Progress of WG3 Activity	<i>G. Mongolkhatan Education Research Institute, MECSS B. Chinbat EMDC</i>
7	12:10-12:30 (20 min)	Discussion and confirmation on: - Amendment of Working Group Member - Progress of Procuring Equipment - Schedule of Next JCC - Others	<i>Project Coordinator, NEMA Discussion with All Participants</i>
8	12:30-12:40 (10 min)	- Closing remarks	<i>Mr. L. Ulziibayar Director of Policy Coordination and Cooperation Department, NEMA</i>

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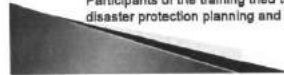
## PROGRESS of WORKING GROUP 1 ACTIVITIES

STRENGTHENING THE NATIONAL CAPACITY FOR EARTHQUAKE  
DISASTER PROTECTION AND PREVENTION PROJECT IN MONGOLIA



### Working Group 1-1: Disaster Risk Assessment Guideline

- Comprehensive Earthquake Disaster Risk Assessment Guideline has been drafted with the following content:
  1. Introduction
    - 1.1. General provisions
    - 1.2. The purpose of this guideline
    - 1.3. Scope of the guideline
  2. The theoretical background of disaster risk assessment
    - 2.1. Disaster risk assessment
    - 2.2. Process of disaster risk assessment
  3. Methodology for general assessment of seismic risks
    - 3.1. Terms used in the guideline
    - 3.2. General methodology of earthquake risk assessment
      - 3.2.1. Review the earthquake risks
      - 3.2.2. Analyze the earthquake risks
      - 3.2.3. Evaluate the earthquake risks
  4. Develop recommendations
  5. Include the risk assessments in the disaster protection plan
  6. Prepare the earthquake risk assessment report
- In Umnugovi and Darkhan-Uul provinces, which were selected as pilot provinces for developing the disaster protection plan, the training sessions of its planning were held. Participants of the training tried to do the earthquake risk assessment required for disaster protection planning and calculated potential damages.



### Working Group 1-1: Earthquake Risk Assessment Guideline

#### Activity plans

- To identify a structure for Detailed Earthquake Disaster Risk Assessment and to draft this guideline.
  - ✓ The first draft is scheduled for completion in the third week of December 2018.
  - ✓ The content of the management and organization of the detailed risk assessment will be discussed by the Working Group in the context of the relevant legislation and Mongolian situation.
- JICA's experts team offered professional recommendations with regards to the technical issues and contents of the detailed risk assessment.



### Working Group 1-2: Guidelines for Earthquake Disaster Protection Planning

#### Activity progress

Training on how to prepare earthquake disaster protection plan in the pilot provinces and city districts

- |   |  |
|---|--|
| Provinces   | City districts   |
| <ul style="list-style-type: none"> <li>➤ Umnugovi – May 16-17, 2018</li> <li>➤ Darkhan-Uul – May 16-17, 2018</li> </ul> | <ul style="list-style-type: none"> <li>➤ Bayangol – August 28-29, 2018</li> <li>➤ Chingeltal – August 28-29, 2018</li> </ul> |

➤ The schedule of preparation work of provincial earthquake disaster protection plans at pilot provinces shall be discussed and set up.

➤ The drafted Almag / Soum Earthquake Disaster Protection Planning GL will be modified and updated based on the feedbacks from the member of preparation work of provincial earthquake disaster protection plans.

➤ The planning process for the districts already started based on the drafted Capital City / District Level Earthquake Disaster Protection Planning GL.

➤ The officers of Emergency Management Department in pilot districts are now preparing their comments and proposals toward the drafted planning GL.

### Working Group 1-2: Guidelines for Earthquake Disaster Protection Planning

#### Activity process and future plans

- The drafting process of National Earthquake Disaster Protection Planning GL and Safe Earthquake Disaster Protection Service Planning GL are in the finalization process.
- For developing the earthquake disaster protection plan of Darkhan-Uul province, provincial working group have been nominated to be in charge for formulating the plan at the workshop in September 18-19. And also this group discussed and scheduled future activities for completion of the earthquake disaster protection plan by September 2019.
- It is scheduled that the workshop for formulation of the earthquake disaster protection plan of Umnugovi province will be held on September 26.
- It is also planned that the workshop on September 25th for upgrading the drafted Capital City / District Level Earthquake Disaster Protection Planning GL by reflecting feedbacks from the member of preparation work which consists of officers of Emergency Management Divisions of Bayangol and Chingeltal Districts, EMDC and NEMA and for preparing the further work schedule.



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### Working Group 1-3: Agreement

Other agencies	To be signed by	Entering into the Memorandum of Understanding and future plans
Food Supply	Ministry of Food and Agriculture + NEMA	The State Secretary of MFA signed the Memorandum on June 21, 2018, and presented it back to NEMA, two Department heads at NEMA already signed it as well, now anticipated is signature of Mr. Badrai, NEMA Director (as of 2018/09/20)
Pharmaceuticals, personnel and medical equipment	Ministry of Health + pharmaceutical companies	2018/07/17: MoH submitted additional comments to NEMA 2018/09/03: Ministry of Health submitted a request to the NEMA about their proposals 2018/09/12: WG had the latest meeting with the Health Ministry and pharmaceutical companies on September 12th and it was agreed that the memorandum will be signed within October
Temporary shelter, temporary accommodation	Ministry of Construction and Urban Development + NEMA	MCUD suggested some amendments to the draft presented by NEMA in 2-3 articles (on 2018/07/16) Draft memorandum to be signed with MCUD is being discussed and planned to be ready by end of September, 2018 (as of 2018/09/20)



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### Working Group 1-3: Agreement

Other agencies	To be signed by	Entering into the Memorandum of Understanding and future plans
Roads and Transportation	MRT + NEMA	MRT already received the draft Memorandum that was prepared in October 2017. Due to changes of the relevant officials at MRT, their response is being delayed (2018/09/03) Next MRT and our WG meeting is planned for 24th of September (as of 2018/09/20)
Fuel and petroleum	Minerals and Petroleum Resources Authority + NEMA	The draft Memorandum with Minerals to be signed with MRPAM is ready. NEMA and MRPAM will hold lecture training about the Japanese experience and the best practices of implementing such memorandums (2018/09/20)
Communication and Information Technology	NEMA-Communication and Information Technology Agency -private provider	The draft Memorandum with Communication and Information Technology Agency is ready; discussions on entering into MoU is going on with private provider "Unitel"
Temporary shelter	NEMA, Capital City EMA and City Mayor's Office	The draft Memorandum between these agencies is being discussed, especially in relation with the ongoing construction of the school building financed by Japan where a sports hall of this school would be used as a temporary shelter during disasters.

7

### Working group 1-4: White Paper

#### 1. Working Group members

- O.Tsend-Ayush—BZHAG specialist, lieutenant
- Osamu Nishii --Project specialist
- Sh.Boldbaatar --Project consultant
- Shiro Makita -- Project specialist
- Ya.Erdenebat -- Project translator

The Working Group's purpose is to develop the first White Pages for disaster protection in Mongolia, which is equivalent to Japan's White Pages.

#### 2. Working group meeting

- Sub-working group meetings -- 3 times
- Discussion with JICA Expert Team -- 4 times

8

### Working group 1-4: White Paper

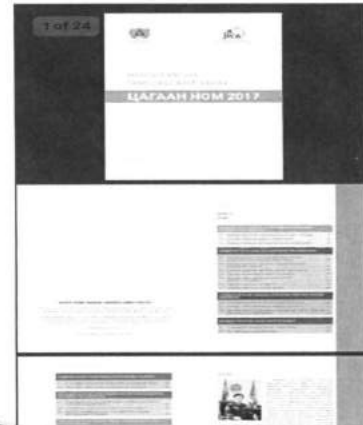
#### 1. The process of developing a White Paper

- May 30th: The Mongolian and English version of the White Paper have been completed.
- Early in July: The summary of White Paper (English version) have been completed.
- July 8th: the summary of White Paper have been printed by 800 copies and distributed during the AMCDRR.
- End of August: Design and contents have been added on the Mongolian version of the White Paper.

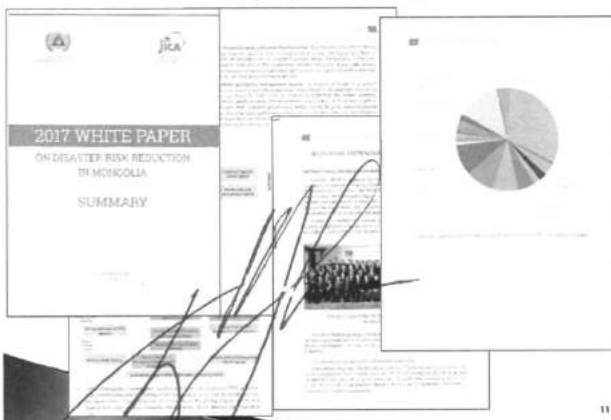
#### 2. Current situation

- Recently NEMA is revising the final version and added a minor revision of photos, designs and contents.
- Printing order of the White Paper is scheduled after the final review.

9



### Working group 1-4: White Paper



11

### Working group 1-4: White Paper

#### Activity plans

Based on the lessons learned and experiences obtained throughout the preparation work of the 2017 White Paper, the draft "Manual on Preparing the White Paper on Disaster Risk Reduction" will be prepared by October 15, 2018. The manual will be further developed to ensure that the WGs would be able to use the White Paper effectively.

#### Structure of

#### "Manual on Preparing the White Paper on Disaster Risk Reduction"

- FOREWORD
- STRUCTURE and CONTENT of White Paper
  - Chapter 1. Analysis of the disaster situations in central and local areas
  - Chapter 2. Report on Disaster Protection Activities of 2018
  - Chapter 3. Updates and Highlights
  - Chapter 4. Lessons and Conclusions
  - Chapter 5. Suggestions and recommendations
  - Appendix
- PREPERATION TEAM
  - Spatial Information and Technology Davison, Disaster Operation and Early Warning Command Center, NEMA
  - Disaster Prevention Department, NEMA
- COMMENTS AND RECOMMENDATIONS

12

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Working group 1-4: White Paper

- For discussing further action plan in consideration of all outcomes for each Sub Working Group, integrated meeting of working group 1 will be held on 24th of September.



Major Topics:

**Establishment of New Management Team**

- Spatial Information and Technology Division established under EWC, NEMA

(According to order No B/442 by Head of NEMA in 28th May 2018.)



Major  
D. Sodnomragchaa  
/Head of division/



First Lieutenant  
D. Byambatsogt  
/Spatial database specialist/



First Lieutenant  
T. Ulambaatar  
/Geographic information  
technology and system  
engineer/



Lieutenant  
L. Otgonbayar  
/Spatial database  
gathering, registration,  
statistical survey specialist/

Major Topics:

**Preparation of New Juram (Guideline) for Operation and Management of Disaster Spatial Database using I-DSIS**

I-DSIS: Internet-based Disaster Spatial Information System

- Juram (Guideline): 70% is completed. Draft Guideline try to be finalized by November 2018 and introduce it into the Board of Directors Meeting for approval.
- Manuals (Annexes of Juram): Basic Operation and Management Manuals for I-DSIS was Completed. Other technical parts such as Database Design are still under preparation.
- System and Database: Technically I-DSIS is well prepared and ready to utilize in NEMA. Daily-based Incident Management System (text) and I-DSIS (map) both managed by Early Warning Center (EWC). Members of SWG highly concern on linkage between both system. Both System are being upgraded so that it will be possible to gather and accumulate disaster incident data directly utilized for indicators to monitor progress and achievement against Global Targets of Sendai Framework for DRR from Regional Emergency Management Offices.



**Exiting Status and Work Plan for SubWG-1-5**

Name of Activities	Existing Status (As of September 2018)	Plan for the Next Quarter (by Next December)		
		Oct.	Nov.	Dec.
1 Preparation of Guideline with Annexes	<ul style="list-style-type: none"> <li>Draft Guideline: 70% Completed.</li> <li>Technical Manuals and Existing System &amp; Database is upgraded.</li> </ul>	<p>Aiming at approval at the Board of Directors Meeting</p>		
2 Make Agreements to Data Exchange with DRR related Organization	<ul style="list-style-type: none"> <li>With ALAGAC: Already made an agreement.</li> <li>With Master Planning Agency (MPA) of Capital City: Under negotiation.</li> <li>With Other organizations: To be prepared.</li> </ul>	<p>Aiming at making agreement with MPA</p>		
3 Development of Better Working Procedures and Utilization of Spatial Database for DRR in NEMA	<ul style="list-style-type: none"> <li>Establishment of New Division.</li> <li>OJT of I-DSIS management is being conducted from June 2018 for newly established division.</li> </ul>	<p>Continuing</p>		

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Spatial database for Disaster risk reduction development progress  
**NEMA.GOV.MN**



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Sub-WG 2-2: Seismic Diagnosis of Infrastructures and Lifelines  
Training of Seismic Evaluation

- In collaboration with the MCUD, NEMA, GASI, and CDC, organized a One-day training course on "Seismic evaluation of Infrastructures and Lifelines" on 2018.06.07.
- 70 people including inspectors of GASI and prefectural officers of infrastructure were participated.



Sub-WG 2-3: Design of Seismic Strengthening  
Nomination of Model Buildings

Structure	Usage	Name	Location	Note
Masonry	Kindergarten	No. 105 Kindergarten	Songino Khairkhan District	Constructed with standard design drawings
	School	No. 97 School	Bayanzurkh District	Constructed with standard design drawings
	Public Office	NEMA	Sukhbaatar District	Public office necessary for emergency response
RC	Hospital	No.1 Gynecology Hospital	Sukhbaatar District	One of few RC hospital buildings
PC	Apartment House	9-Storey Apartment	Bayangol District	Apartment house, based on standard design

Sub-WG 2-3: Design of Seismic Strengthening  
Definition of Target Strength using Intensity MAP by IAG



Issue

- Change of WG members
- Five of 10 members have been changed.

Position	Affiliation	Previous	New
Coordinator	MCUD	B. Soyomboo	L. Billegjargal
	NEMA	Z. Battulga	
Member	MCUD	G. Erkhembayar	O. Bayarbaatar
	UBMPA	B. Tsend-Ayush	N. Tamir
	ALAGaC	B. Gantulga	B. Bayardulam

- Measure
- Intensive workshop to introduce and transfer the seismic evaluation method of buildings, infrastructures, and lifelines to new members

Future Activities

Items	Target Date
Transfer the seismic evaluation method to new members	
Intensive training	2018.09.22-23
Training of equipment for seismic evaluation	
Procurement of equipment	Beginning of 2018.11
Training	2018.11.12-13
Training of seismic strengthening design	
Precise seismic evaluation	2018.05-2018.10
Seismic strengthening design	2018.10-2019.02
Training	2019.04
Implementation of "Train of Trainer"	
Preparation of training manuals, materials and tools	2018.12-2019.05
Trial	2018.06-2019.10

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Thank you for your attention.

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STRENGTHENING THE NATIONAL CAPACITY FOR EARTHQUAKE DISASTER PROTECTION AND PREVENTION PROJECT IN MONGOLIA

THE 6TH JOINT COORDINATION COMMITTEE MEETING

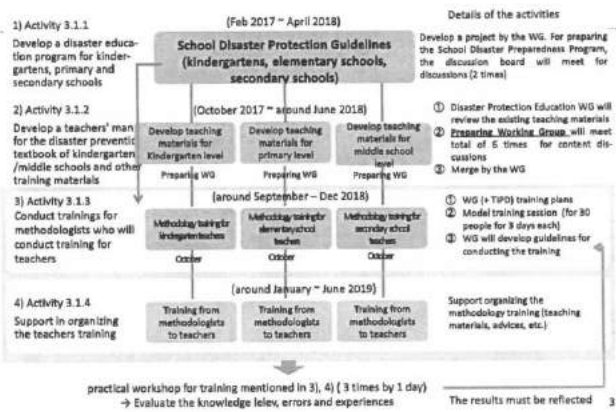
Working Group 3-1:  
School DRR Education  
work Progress

2018.09.21

Output 3-1 Members  
DRR Education Working Group: School DRR Education

Mongolia Side	Japan Side
MECS Myagmar J	DRR Education I Miki Kodama (Ms.)
MECS Ganbatbay Ch. Ba/innyam P	DRR Education II Yujiro Ogawa (Dr.) (till Mar 2018)
ERI (Education Research Institute) Enkhgotovkh, A Erdenechimeg B	Development of DRR Education Materials Yoko Ota (Ms.) Amerjagui N
ERI (Education Research Institute) Mongolkhatan G. Halun G	Community Disaster Management Toshikazu Hiwaki (Mr.)
NEMA Disaster Prevention Department Mankhat, D Enkhtsimon, G	Local Consultant Dashi/G. Adyanym D
ITPD (Institute of Teachers' Professional Development) N. Munkhbayer	Local Consultant Bolormaa T Local Staff Byambasuren S

Output 3-1: GENERAL FLOW OF SCHOOL DRR EDUCATION



Working Group 3-1: work progress

Activities (Sub-activities)	Year	2017					2018					2019				
		1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
5.1.1 To develop a guideline which shows contents, method and implementation way of disaster risk reduction (DRR) education in kindergarten and primary and secondary schools based on Law of Disaster Protection	Plan															
5.1.1.1 To review current situation of DRR education in kindergarten and primary and secondary schools (cooperating with Japanese practice)	Actual															
5.1.1.2 To develop the guideline through the collection of the School DRR Education Working Group (WD)	Actual															
5.1.2 To develop educational materials such as textbooks and supplementary materials for DRR education in kindergarten and primary and secondary schools	Plan															
5.1.2.1 To collect and review existing educational materials through the WG activities	Actual															
5.1.2.2 To establish Task Force for the development of the educational materials (one task force each for kindergarten, primary, and secondary schools)	Actual															
5.1.2.3 To organize workshops and discuss and decide the contents of educational materials to be developed	Plan															
5.1.2.4 To develop and finalize the educational materials through the Task Force and the WG activities	Actual															
5.1.3 To implement training programs for the instructors of Teacher Training Institute and experts of educational department in local governments, using the guideline and materials developed in 3.1.1 and 3.1.2 respectively	Plan															
5.1.3.1 To formulate the training programs through workshop and the WG activities	Actual															
5.1.3.2 To implement pilot training	Actual															
5.1.3.3 To review the training and formulate training manuals	Plan															
5.1.4 To implement the training program for teachers by the instructors and experts who completed the training program mentioned in 3.1.3	Actual															
5.1.4.1 To support the training for teachers	Plan															
5.1.4.2 To review the result of the training of 5.1.3 and 5.1.4 through workshop and the WG activities and compile lessons learnt	Actual															

Activity 3.1.2: The pilot lesson was held in connection with the development of a teacher's handbook on "Safe Life Training Curriculum"

- Pilot lesson was conducted regarding the development of the teachers' manuals on May 12, 2018

8th grade lesson 45 minutes	5th grade lesson 45 minutes	Kindergarten's Senior Group Lesson 30 minutes
"One day ahead" training "One day ahead" training 1. History of Mongolia's seismic activity (slides) 2. Why does the earth move? (slides) 3. What damage will happen during earthquakes? (slides) 4. "Tomorrow the earth will shake. What to do?" group work 5. Conclusion: learn about preparedness and response	"Let's build an earthquake resistant house" 1. What happens during earthquakes? 2. Make an earthquake resistant house using a milk box 3. Show and introduce your model 4. Discussion of the actual methods used in reality in comparison with the pupils' manual 5. Play "Disaster Resistant Duck" game	"How to protect yourself during an earthquake?" 1. What is earthquake? 2. What happens during earthquakes? 3. Find dangerous places in the classroom 4. About three hazards "It's dangerous because it's coming from the top" "It's dangerous because it comes from beneath" "It's dangerous because it breaks" 5. Play "Disaster Resistant Duck" game

Working Group 3-1 meeting

- Date: May 12 and June 18 of 2018

Activities and discussions:

- Activity 3.1.2: Development of the Teacher's Manual
  - Conclusions, lessons learnt and evaluation of the pilot lesson
  - Amend the plans and schedule of developing the teacher's manual
  - Prepare the first version of the Teacher's Manual before the Naadam holidays, and finalize the Teacher's Manual before August 25th
- Activity 3.1.3: Training for methodologists and trainers
  - Discussed the training schedule and participants
  - Discussed the training curriculum: presented about the Japanese similar training
- Discussed about presenting during the 2018 Asian Ministerial Conference on Disaster Risk Reduction

### Output 3-1 Vacuum training

● Date: 2018.9.5 ~ 6

● Activity content:

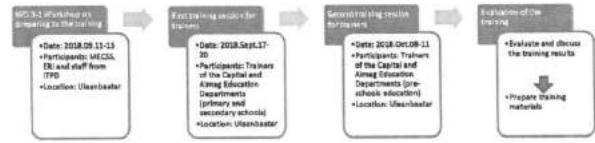
- > Activity 3.1.2: Finalize the Safe Living Training Curriculum Manual
- > Discussion and amendments to the individually prepared projects
- > Activity 3.1.3: Training of the trainers
- > Finalize the training program and curriculum
- > Develop training materials



7

### Activity 3.1.3 Training for methodologists and trainers

#### Plan for conducting this training session



#### Content to be presented

- > The concept of "Safe Living" curriculum and the main concepts
- > Mongolia's disaster protection system and the current measures against disasters
- > Basic understanding about disasters and disaster protection
- > Basic principles of disaster protection training
- > Good examples of disaster protection training
- > Disaster protection training tools and materials
- > Workshop: Developing practical teaching methods, developing disaster preparedness education plans, and developing a curriculum for teachers

8

### Activity 3.1.3: Ажлын хэсэг 3-1

#### Үндэсний сургагч багш бэлтгэх сургалт (2018.9.11~13)

- **Participant:** 35 people from the MECSS, ERI and ITPD; and 9 people from Disaster Protection Training and Methodology Center in Capital City and WG members
- **Training content:** assess and identify the content of training for the local trainers of pre-school education level; participants from ERI and ITPD will review and clarify the curriculum and plans of the "Safe Life" program.



### Activity 3.1.3: Training session for trainers (1st training for methodologists of primary and secondary level education)

- Training date: 2018.9.17 ~ 20
- Participants: 60 people from the aimag, capital city and district Education and Culture Departments
- Objectives of training: conduct this training based on the "Safe Life" program for each aimag (Training participants lead the teachers' training and ensure the continuity of their educational development)



➔ The experience and lessons learned from this session will be reflected in the next October 8-11 training (for kindergartens and pre-school education methodologists).

10

### Participation in the Asian Ministerial Conference on Disaster Risk Reduction

- The presentation "Child-centered Disaster Risk Reduction in Mongolia" was made at July 4 session organized by the World Vision Mongolia during the Asian Ministerial Conference on Disaster Risk Reduction



Presenter:  
J. Myagmar (MECSS)

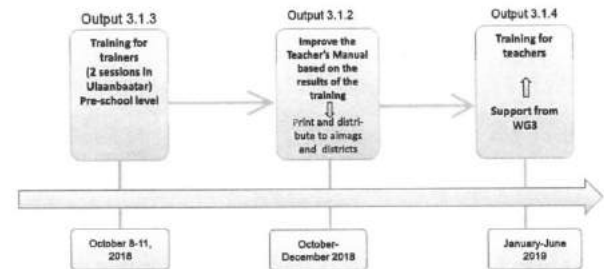
Topic: Ensuring and Promotion of School DRR Education as a Standard Education Content in Mongolia



Session participants: more than 40 people.

11

### Further plans of Working Group 3.1



12

**Working group 3.2 activities progress**






Thank you for attention!

STRENGTHENING THE NATIONAL CAPACITY FOR EARTHQUAKE DISASTER PROTECTION AND PREVENTION PROJECT IN MONGOLIA\*

THE 6TH JOINT COORDINATION COMMITTEE MEETING

2018.09.21

**Output 3-2 Working Group members**

Mongolian side		Japanese side	
 <b>D. MÜNHBAT</b> NEMA, head of Disaster Prevention Division, lieutenant colonel		Developing teaching materials Yoko Ota (Ms.)	
 <b>D. BAT-ERDENE</b> NEMA, lieutenant colonel		Local DRR training Toshikazu Hiroaki (Mr.)	
 <b>B. CHINBAT</b> Capital City EMA, Disaster Prevention Division, lieutenant colonel		Developing teaching materials N. Amarjargal	
 <b>D. DULAMSUREN</b> NEMA, Public Relations Center, Director lieutenant colonel		DRR training 1 Miki Kodama (Ms.)	
 <b>S. Dujbazar</b> Bayanzash district EMA, Disaster Prevention Division, First Lieutenant		DRR training 2 Yujiro Ogawa (Dr) Beiji Sawa (Mr.)	 
 <b>B. Uurtingee</b> Capital City EMA, trainer at the Disaster protection training center		Local manager O. Dashdorj	
 <b>Б. АРМЬЯНБАТ</b> MECSS, Life Long Learning Centre		Local manager Д.Адъяам / T.Сонорваа	 

**Working group 3-2 Community DRR Education**

- Activity 3.2.1 Create a comprehensive planning system for disaster protection training and promotion, improve training and awareness building
- Activity 3.2.2: Develop teaching and promotional materials for disaster protection and conduct training in selected rural areas
- Activity 3.2.3: Improve training curriculum for disaster protection Training Centers

Ажлын хэсэг 3-2. Үйл ажиллагааны явц

Activities	Year	2017												2018												2019												2020											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3.2.1 To develop comprehensive work plan for disaster risk reduction activities and raising awareness at national and local levels	Plan																																																
3.2.1.1 To introduce related organizations about coordination and cooperation	Actual																																																
3.2.1.2 To examine framework for NEMA to conduct integrated management	Plan																																																
3.2.1.3 To implement regular meetings	Plan																																																
3.2.1.4 To create a website for the coordination and share information among the related organizations	Actual																																																
3.2.2 To develop materials for the training on disaster risk reduction education and raising awareness, and implement the training for the target groups in pilot areas	Plan																																																
3.2.2.1 To review existing toolbooks of DRR education for communities	Actual																																																
3.2.2.2 To discuss and develop training materials	Plan																																																
3.2.2.3 To implement training of Trainers workshop	Actual																																																
3.2.2.4 To implement workshops in the pilot areas	Actual																																																
3.2.3 To develop and implement educational and training program for implementing disaster prevention and simulation program in Training Center	Plan																																																
3.2.3.1 To examine and consider a study program for the training center	Actual																																																
3.2.3.2 To examine materials and equipment for implementation of training center	Actual																																																
3.2.3.3 To support procurement of equipment	Plan																																																
3.2.3.4 To develop educational materials such as brochures, exhibition, etc.	Actual																																																
3.2.3.5 To operate training program	Actual																																																
3.2.3.6 To examine opportunities other regions	Plan																																																

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Activity 3.2.1 Create a comprehensive planning system for disaster protection training and promotion, improve training and awareness building

For the purpose of improving coordination of DRR work of NEMA, Project and other relevant bodies, the DRR training and awareness team has been formed and its operational guidelines have been approved by NEMA Director.



DRR actions plan of NEMA, Project and other relevant bodies was posted on NEMA's www.ontsgoisur.gov.mn; the detailed calendar plan has been developed

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Activity 3.2.2: Develop teaching and promotional materials for disaster protection and conduct training in selected rural areas

The manual and video presentation on organising "Readiness for Everyone, Anytime and Everywhere" contest has been prepared and now ready.

150 pieces of DVD with the above manual have been distributed to relevant units of NEMA and other relevant organizations.

The manual and video presentation are now posted on NEMA's [www.ontsgoisur.gov.mn](http://www.ontsgoisur.gov.mn).



5

Activity 3.2.2 - development of DRR community training materials, hold training sessions in selected provinces

The "Be Ready" and "Readiness for Everyone, Anytime and Everywhere" contests and trainings have been organised in Uliastai of Zavhan province and 23 horoo of Bayanzurh district and 2nd horoo of Bayangol district

These training sessions were organized by volunteer trainers, the total 4 training sessions were attended by more than 200 people



Activity 3.2.3: Improve training curriculum for disaster protection Training Centers

Models of reinforced and non-reinforced buildings are now being prepared for comparative training, will be used during training sessions at the earthquake room of the Training Center



during the preparation of these sample models the members of the WG 2 offered their professional recommendations and close collaboration.



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The work plan

Activity 3.2.1	Create a comprehensive planning system for disaster protection training and promotion, improve training and awareness building	a 4W page to be uploaded to <a href="http://www.ontsgoisur.gov.mn">www.ontsgoisur.gov.mn</a>	Around 2018	December
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Activity 3.2.2: Develop teaching and promotional materials for disaster protection and conduct training in selected rural areas	Completed
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Activity 3.2.3: Improve training curriculum for disaster protection Training Centers	① Information stand and models for the Training Centre's earthquake room to be prepared	Mid November 2018	Around 2018	December
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- Issues requiring resolving
- Content and curricula for the children's room at the Training Centre need to be better identified and some coordination is required with World Vision Mongolia

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THANK YOU FOR ATTENTION!

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## The Amended Member List of Working Groups (6th JCC)

Working Group (WG)		Sub-WG	Member
WG1	<b>Disaster Management Plan</b>  WG1 Coordinator: <b>D.Bazarragcha</b> Disaster Risk Management Department, NEMA	Risk Assessment Guideline	<b>D.Serjmyadag</b> Disaster Research Institute, NEMA <b>D.Bazarragcha</b> Disaster Risk Management Department, NEMA <b>B.Batbayar</b> Disaster Risk Management Department, NEMA <b>B.Khishigbaatar</b> Disaster Operation Department, NEMA
		Disaster Management Planning Guideline, Preparedness Planning Guideline and Risk Management Guideline	<b>B.Bayanmunkh</b> Policy Coordination and Cooperation Department, NEMA <b>B.Myagmardorj</b> EMDC <b>Ch.Otgontugs</b> Fire Department, NEMA
		Agreements	<b>B.Duvshin</b> Disaster Risk Management Department, NEMA <b>T.Bilguun</b> Policy Coordination and Cooperation Department, NEMA
		White paper	<b>O.Tsend-Ayush</b> Disaster Prevention Department, NEMA
		Database Guideline	<b>B.Purevnyam</b> Disaster Operation and Early Warning Command Center, NEMA <b>D.Bayarbaatar</b> Disaster Operation and Early Warning Command Center, NEMA <b>D.Sodnomragcha</b> Spatial Information and Technology Division, NEMA <b>B.Boldkhuu</b> Disaster Operation and Early Warning Command Center, NEMA
WG2	<b>Seismic Resistance</b>  WG2 Coordinators: <b>L.Bilegjargal</b> MCUD	Seismic Diagnosis of Buildings	<b>L.Bilegjargal</b> MCUD <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>N.Tamir</b> Master Planning Agency of Capital City, Construction Quality and Safety Department <b>G.Saruultuya</b> Construction Development Center <b>T.Galbadrakh</b> Finance and Logistics Department, NEMA <b>O.Bayarbaatar</b> MCUD <b>B.Bayardulam</b> Land Management, Geodesy and Cartography Agency, MCUD
		Seismic Diagnosis of Infrastructures and Lifelines	<b>L.Bilegjargal</b> MCUD <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>B.Munkhsaikhan</b> General Agency for Specialized Inspection <b>O.Bayarbaatar</b> MCUD
		Design for Seismic Strengthening	<b>L.Bilegjargal</b> MCUD <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>N.Tamir</b> Master Planning Agency of Capital City, Construction

Working Group (WG)		Sub-WG	Member
			Quality and Safety Department <b>G.Saruultuya</b> Construction Development Center <b>O.Bayarbaatar</b> MCUD <b>Ts.Khulan</b> Master Planning Agency of Capital City, Construction Quality and Safety Department
WG3	<b>DRR Education</b> <u>WG3 Coordinator:</u> <b>D.Munkhbat</b> Disaster Prevention Department, NEMA	School DRR Education	<b>J.Myagmar</b> MECSS <b>Ch.Gantsetseg</b> MECSS <b>P.Baljinnyam</b> MECSS <b>G.Mongolkhatan</b> Education Research Institute, MECSS <b>B.Erdenechimeg</b> Education Research Institute, MECSS <b>A.Enkhtogtokh</b> Education Research Institute, MECSS <b>G.Khaliun</b> Education Research Institute, MECSS <b>N.Munkhbayar</b> Institute of Teachers' Professional Development (ITPD), MECSS <b>D.Munkhbat</b> Disaster Prevention Department, NEMA <b>G.Enkhtsolmon</b> Disaster Prevention Department, NEMA
		Community DRR Education	<b>D.Munkhbat</b> Disaster Prevention Department, NEMA <b>D.Bat-Erdene</b> Disaster Prevention Department, NEMA <b>B.Uuriingegee</b> EMDC <b>B.Chinbat</b> EMDC <b>D.Dulamsuren</b> Public Information Center, Disaster Prevention Department, NEMA <b>S.Doljinsuren</b> EMDC <b>B.Ariunchimeg</b> National Center for Long life Education



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## Record of Question and Answer in the 6th JCC Meeting

### 1. Amendment of Working Group Member

**Comment: Ms. Tsend-Ayush, NEMA:**

Let us discuss amendment of working group (WG) members based on the latest list of WG member. There was no amendment in WG3, but there were some withdrawals from WG1 and 2. Successors have already been nominated in WG2, On the other hand, new members for WG1 have not been decided yet. Are there any objections or comments about the latest members for each WG?

Since there is no objection from JCC members, the latest list of WG member has been approved.

### 2. Progress of Procuring Equipment

**Comment: Mr. Owada, JICA Expert Team:**

The earthquake simulation equipment had been tested in Japan and now being shipped. Scheduled arrival date in Ulaanbaatar is 19th of October and installation is planned for 5th of November.

For installation, the basement's floor must be redone and risen up about 10 cm as a practical measure of water rising. The concrete cover should not be put on the wet floor. Considering the period for concrete's drying, this floor repair work must be completed by October 5th.

This water rising situation has been discussed several times by the relevant parties. Last check was yesterday late evening. The common assumption is that the level of underground water has reached up the level of the basement floor. In addition to the improvement of basement, the additional works should be carried out for protecting against water penetration in the future.

The additional contract should be made because the contracted company which is now working on repairs and concrete floor uprising, can not execute the works against future water penetration as this is not a professional company for this type of work.

Once all water is pumped out, the one company promised to complete the wall reinforcement works within one day. Perhaps, there are other ways to prevent flooding, but this is the solution that have been discussed and agreed upon so far.

The request to Mongolian side is to complete water draining promptly and deal with fundamental measures for the whole building against future water penetration.

**Comment: Mr. Khurelbaatar, EMDC:**

Water pumping from the basement from the Training Center building is ongoing nonstop.

This past July and September were rainy. Pumping and removing of water go on straight for a period of more than 1 month. More we drain, more water penetrates into the basement, for example, when the pumper's engine is stopped for refilling with fuel, water level



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immediately rises. The contractor company also mobilizes all its resources. We have been and will do all we can to complete the water draining works quickly.

The EMDC presented a letter to the Specialized Inspection Agency of Capital City with regards to this problem. Both agencies discuss this matter frequently, including today too. The inspector Nyamdorj was appointed to this case, he visited the basement on September 2nd. The inspector's opinion was that the issue must be referred to the construction company which built the Training Center as the builder and is in charge within three years after completion of construction, and to the Master Planning Agency of Capital City.

**Comment: Mr. T.Galbadrakh, NEMA:**

The construction company has been hired by NEMA timely, the construction works for preparing the equipment installation site started according to the schedule. However, due to this water issue the schedule is now delayed for 10 days.

The issue has been discussed with several professional companies. Among these, two companies, Fuji Altai LLC and Buren Trade LLC, visited individually the Training Center building and both suggested reinforcement walls as protection against future water rising.

The extra cost estimation is more than 7 million tugrugs. This additionally required costs have been discussed by our decision-making people. The funding now is being sought. We have been making all necessary arrangements for prompt solution of this problem.

**Comment: Ms. Jargal, GASI:**

The earthquake simulation equipment has considerable weight, there will be notable shakes during the simulation process. Therefore,

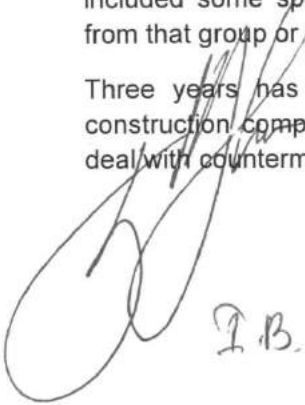
The foundation where the equipment is to be installed has specific and strict requirements. Problems with the floor may rise again in the future. The water problem may rise in other years too. The budget for potential costs for future water draining, walls protection and floor repairs must be discussed and agreed upon at this time (and not when the problem rises).

The letter was sent to the Specialized Inspection Agency of Capital City, but I am in charge for this matter at GASI, I will specifically focus to work on resolving this matter quickly.

**Comment: Ms. G.Enkhtuya, Master Planning Agency of Capital City:**

This summer 47 buildings along Tull river in Ulaanbaatar got flooded in their basements. There was a group formed including several relevant capital city agencies (Specialized Inspection Agency of Capital City, City Mayor's Office, and Master Planning Agency of Capital City) and professional organizations. This group issued some recommendations which could be relevant to this Training Center case. Those recommendations were prepared mainly by professors of Science and Technology University, Prof. Duinherjav and Prof. Nyamdorj who explored the situation with that flooding. The recommendations included some specific urgent solutions. So, these recommendations could be obtained from that group or the City Mayor's Office.

Three years has not passed yet since the Training Center was built, therefore the construction company which built the Training Center as the builder has responsibility to deal with countermeasure works for this issue.



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### 3. Other Proposals and Comments

**Comment: Ms. Jargal, GASI:**

I have worked with the Project from its beginning. Now there is a delay in the Project implementation schedule due to the water rising (in the Training Centre basement), the solution to it should be found jointly and realized promptly requiring input from all relevant bodies.

Another component relevant to GASI is seismic assessment and engineering guidelines. Once these documents will be published, they will be promptly presented to GASI's construction inspectors for proper enforcement. In relation to this, training of inspectors is required concerning how this assessment methodology and guidelines must be practically used and what will be new provisions in the construction norms and regulations with regards to the seismic strengthening.

Other potential issues for training are how the equipment of seismic evaluation must be operated and used for training sessions; ways and procedures of seismic strengthening of buildings; training of trainers and practical training sessions for disaster protection of school and kindergarten buildings (Masonry structure).

Project's organizing the June 2018 training for construction inspectors working throughout Mongolia is much appreciated. It was attended by 70 people of which more than 30 was construction inspectors.

**Comment: Ms. E.Tamura, JICA Mongolia Office:**

The delay in preparation of the venue for installation of the simulation equipment is concerning. Early start of construction and repairs and assurance of readiness of the basement for equipment installation would have been crucial. There is no guarantee that water will not rise again in the future.

With regards to the current construction works that are being carried out in the basement, professional monitoring and assurance of quality work is essential. Protection against water and flooding in the future as well as preparing the floor and ensuring its flat and even surface must not be the duty only of the contracted company.

As about the reinforcement panels to be used as protection against water flooding, attention must be paid to the quality of these panels, their term (period) of usage, frequency of needing these panels be changed and reinstalled. I also would like you to confirm that the installation of these panels is the most suitable and efficient solution for this case.

### 4. Closing the 6th JCC Meeting

**Comment: Mr. L.Ulziibayar, NEMA:**

Participants received the detailed update of the current status and results of the Project activities and discussed the problems facing. The Mongolian side and I personally will focus on to the current challenge for its quick resolution.

The presented candidates to members of the Working Groups have been accepted. I will pay close attention to nominating candidates for the WG 1.



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A date for the next JCC meeting is suggested for 2019 January 15th, since the government staff usually have busy schedules with planning and reporting at the end of the year. Previously, we had held the meeting in January too.

**Comment: Ms. Tsend-Ayush, NEMA:**

Since there is no objection from participants, the next JCC meeting will be held on the third or fourth week of January, 2019.

**Comment: Mr. L.Ulziibayar, NEMA:**

Now the common understanding is that our biggest current challenge is the hardship regarding the delay of the earthquake simulation equipment installation process. This issue is nature induced which we could not foresee. I appreciate Ms. Jargal's (GASI) recommendations and offering support in settling effective solution for this Training Center's basement issue.

Thank you all.

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**MINUTES OF MEETING  
ON  
THE SEVENTH JOINT COORDINATING COMMITTEE MEETING  
FOR  
THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN  
MONGOLIA**

Joint Coordinating Committee (hereinafter referred to as "JCC") for the Project for Strengthening the National Capacity of Earthquake Disaster Protection and Prevention in Mongolia (hereinafter referred to as "the Project") held its seventh meeting on February 1, 2019 from 10:00 to 12:30, at Conference Room of National Emergency Management Agency (hereinafter referred to as "NEMA"), Ulaanbaatar, Mongolia, chaired by Mr. ARIUNBUYAN Gombojav, First Deputy Chief and Brigadier General, NEMA on behalf of Mr. Badral Tuvshin, Chief and Major General, NEMA and supported by Mr. Kiyotaka Owada representing the Expert Team dispatched by the Japan International Cooperation Agency (hereinafter referred to as "JICA"). JCC members were invited and attended to the JCC. The list of the participants and agenda of the meeting are provided in Annex 1 and Annex 2, respectively.

The main subjects discussed and agreement made at the meeting are summarized in the attached document hereto.


Ulaanbaatar, February 1, 2019



Mr. Ko Goto  
Director  
Disaster Risk Reduction Group  
Global Environment Department  
Japan International Cooperation Agency  
Japan



Mr. Kiyotaka Owada  
Team Leader  
JICA Expert Team  
Japan



Mr. Badral Tuvshin  
Chief, Major General  
National Emergency Management Agency  
Mongolia



Mr. Batkhuu Idesh  
Director General  
Development Financing Department  
Ministry of Finance, Mongolia

## ATTACHED DOCUMENT

### 1. Progress of Activities for each Working Group

The representatives of each Working Group (hereinafter referred to as "WG") member explained the current progress of WG activities based on the presentation documents as shown in the Annex 3. JCC members understood the progress and outputs of WG activities, existing issues and future plan at this moment.

### 2. Nominating Officers for the Working Group Members

According to the Record of Discussions signed on July 8, 2016 (hereinafter referred to as "R/D"), the project organization of Mongolian side includes counterpart (hereinafter referred to as "C/P") WG in order to implement project activities at output level of the Project.

Mongolian side submitted the member list of the C/P WG that was amended from the member list approved in the sixth JCC on September 21, 2018 in order to respond to changes in members' positions and conduct more effective WG activities. JCC members agreed about the amended member list of WG as shown in the Annex 4.

### 3. Progress of Procuring Equipment of Earthquake Simulation Experience for Disaster Protection Training and Methodology Centre (hereinafter referred to as "DPTMC")

Mongolian side explained that following advance preparations necessary for installing the equipment of earthquake simulation experience at the DPTMC have already been completed and planned.

- ◇ Renovation of a slab foundation
- ◇ Construction works to prevent the room where the equipment will be installed from flooding
- ◇ Installation of switchboard by February 4, 2019 and the wiring on February 11, 2019
- ◇ Arrangement of a portal crane and two sets of hand lift jack by February 11, 2019
- ◇ Installation of a safety fence and steps in the appropriate place on February 18 and 19, 2019

Japanese side explained that JICA shall dispatch Japanese engineers from 10 to 23 of February 2019 to conduct installation works of the equipment and train DPTMC's staffs in charge to do regular maintenance. Then, Japanese side requested Mongolian

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side to deal with following matters,

- ✧ To install water stop boards at the edge of a slab foundation to prevent the equipment from flooding directly after installation works of the equipment.
- ✧ To take responsibility for continuing maintenance of the equipment and to secure the annual budget necessary to keep on the proper maintenance and management of the equipment.
- ✧ To undertake essential countermeasures against further inundation in the whole basement floor of DPTMC within 2019.

Mongolian side accepted above requests and promised to conduct waterproofing work of whole basement floor of DPTMC with adequate construction management from the end of March to May 2019. Furthermore, Mongolian side explained that the budget for this waterproofing work has already been secured by Emergency Management Department of the Capital City (hereinafter referred to as "EMDC") as a part of the budget for inspection and maintenance of DPTMC, and the detailed schedule and the constructor of this work will be decided by the end of March 2019.

#### 4. Future Plan for Publishing White Paper

Japanese side recommended that Mongolian side had better establish the publication of the white paper in the annual operating plan of NEMA based on the experience for preparation of the white paper in 2017.

Mongolian side explained that formulation and publication of the white paper in 2018 has already been specified in the annual plan for 2019 and it will be continued to publish the white paper every year. Also, the kick-off meeting with the participation of representatives from each department for formulating the white paper in 2018 was held on January 29, 2019 by the WG1 member of the Project.

#### 5. Confirmation of Required Activities toward the Achievement of Indicators in Project Design Matrix

Both Japanese side and Mongolian side confirmed following activities should be implemented to reach the project purpose and outputs.

- ✧ To keep on efforts to get the approval of all guidelines and manuals formulated in the WG1 activity.
- ✧ To make special efforts to accelerate to develop National Earthquake Disaster Protection Planning Guideline and State Earthquake Disaster Protection Service Planning Guideline by active participations of Sub-

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WG1-2 members.

- ✧ To secure sustainability to disseminate the guidelines of seismic diagnosis and seismic strengthening of buildings and infrastructures by conducting a series of trainings of trainers.
- ✧ To conduct active public relations for the webpage for sharing the DRR training schedule and the training program for implementing disaster prevention and simulation program in DPTMC.

#### 6. Next JCC meeting

Both side agreed that the next (8th) JCC meeting will be scheduled in June 2019 and the final (9th) JCC meeting will be held in November 2019. Topics of "how sustainable project achievements are" and "indicators of project purpose and overall goal" will be discussed in the 8th JCC meeting..

#### 7. Question and Answer on the JCC

The record on the session of Question and Answer in the JCC is shown in Annex 5.

Annex 1: List of participants

Annex 2: Agenda of the JCC meeting

Annex 3: Presentation documents for the progress of Activities for each Working Group

Annex 4: Working Group Member List

Annex 5: Question and Answer in the JCC meeting



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# Annex 1: List of Participants

## "THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"

Date: 2019/2/1

Place: NEMA Conference Room (1st Floor)

Title of Meeting: 7th Joint Coordination Committee (7th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
T. Badral <i>Arvinbuyan</i>	Chief, Major General, NEMA		<i>[Signature]</i>
L. Sayana	Advisor in charge of Emergency Management of Deputy Prime Minister		<i>[Signature]</i>
S. Magnaisuren <i>Bayalsaitan</i>	State Secretary, Ministry of Construction and Urban Development		<i>[Signature]</i>
D. Batsaikhan	Director, Disaster Prevention Department, NEMA		<i>[Signature]</i>
Yo. Jargalsaikhan	Referent of National Security Council		
L. Ulziibayar	Director, Policy Coordination and Cooperation Department, NEMA		
D. Jargal	Director, Infrastructure and State Inspection Department, General State Inspection Agency	<i>d.jargal@yahoo.com</i>	<i>[Signature]</i>
T. Batkhuu	Director, Development Financing and Debt Management Department, Ministry of Finance		
J. Myagmar	Director, Division of Preprimary and Primary Education, Ministry of Education, Culture, Science and Sports	<i>jmyagmar@mecs.gov.mn</i>	<i>[Signature]</i>
P. Bayarkhuu	Vice Mayor of the Capital City in charge of Urban Development		
N. Ulambayar	Director, Emergency Management Department of the Capital City (EMDC)		
G. Enkhtuya	Director, Construction Quality and Safety Division, Master Planning Agency of Capital City	<i>enkeesen@yahoo.com</i> <i>99016177</i>	<i>[Signature]</i>
Mutsumi Sato	Chief Representative, JICA Mongolia office		
Satomi Yoshino	Project Formulation Advisor, JICA Mongolia Office	<i>yoshino.satomi@jica.go.jp</i>	<i>[Signature]</i>
Ch. Munkhmanlai	Program Officer, JICA Mongolia office		
Ko Goto	Director, Disaster Risk Reduction Team2, Disaster Risk Reduction Group, Global Environment Department, JICA	<i>goto.ko@jica.go.jp</i>	<i>[Signature]</i>
Takafumi Sakurazawa	Disaster Risk Reduction Team2, Disaster Risk Reduction Group, Global Environment Department, JICA	<i>Sakurazawa.Takafumi@jica.go.jp</i>	<i>[Signature]</i>
Hirofumi Miyashita <Observer>	First Secretary, Embassy of Japan in Mongolia	<i>miyashita@mpf.go.jp</i>	<i>[Signature]</i>
Toru Oikawa <Observer>	Second Secretary for Security, Embassy of Japan in Mongolia		<i>[Signature]</i>
Fumiya Niwa <Observer>	Second Secretary for Economic relation and ODA Program, Embassy of Japan in Mongolia		<i>[Signature]</i>

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**"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"**

Date: 2019/2/1

Place: NEMA Conference Room (1st Floor)

Title of Meeting: 7th Joint Coordination Committee (7th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
Kiyotaka ONADA	JET		
Osamu NISHII	JET	nishii@eyo.int.or.jp	
Saichiro Fukushima	JET	fukushima@rtkk-c.co.jp	
Odabuyar	JET	odko07@yahoo.com	
Munkbat, D.	NEMA	mr.munkbat@yahoo.com	
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Bayanmunkh.B.	NEMA	bayanaanema@gmail.com	
T. Danduum	JET	danduum@jet.or.jp	
T. Hiwaki	JET	hiwaki@ocglobe.jp	


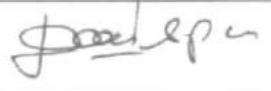




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**"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"**

Date: 2019/2/1

Place: NEMA Conference Room (1st Floor)

Title of Meeting: 7th Joint Coordination Committee (7th JCC)

Name	Position, Organization	E-mail/ Tel	Signature
Enkh-Erdene		96956059	
Dashdorj	JET	chunod_9@yml	
Tumengerel	JET	99070494	tumengerel@gmail.com
Bolormaa	JET	99736052	
Amarjargal	JET	99297766	
Murun	JET	99057365	
Erdenebat	JET	99752398	

  
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## Annex 2: Agenda of the JCC Meeting



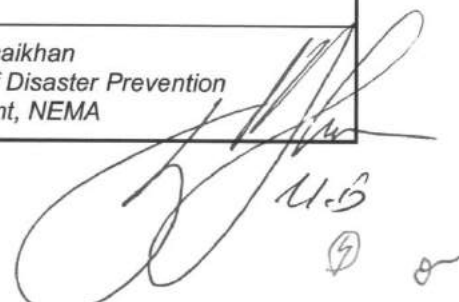
**“THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY  
OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA”  
Agenda for 7th Joint Coordination Committee (7th JCC)**

**Date:** February, 1<sup>st</sup> 2019

**Time:** 10:00~11:40

**Venue:** NEMA Conference Room

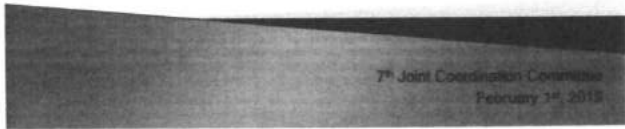
No.	Time	Agenda	Presenter
	9:50-10:00	Registration	
1	10:00-10:10 (10 min)	Opening Remarks from NEMA	Mr. G.Ariunbuyan First Deputy Chief, Brigadier general, NEMA
2	10:10-10:20 (10 min)	Opening Remarks from JICA	Mr. Ko Goto Director, Disaster Risk Reduction Team2, Disaster Risk Reduction Group, Global Environment Department, JICA
3	10:20-10:25 (5 min)	Overview of Project Activity and Schedule	Mr. Kiyotaka Owada Team Leader, JICA Expert Team
4	10:25-10:40 (15 min)	Progress of WG1 Activity	<Sub-WG1-1 to 1-4> Sub-WG members <Sub-WG1-5> D.Sodnomragchaa Spatial Information and Technology Division, NEMA
5	10:40-10:55 (15 min)	Progress of WG2 Activity	<Sub-WG2-1 to 2-3> S.Munkhdul Construction Development Center
6	10:55-11:10 (15 min)	Progress of WG3 Activity	<Sub-WG3-1> A.Enkhtogtokh Education Research Institute, MECSS <Sub-WG3-2> D.Munkhbat Disaster Protection Training and Methodology Centre, EMDC
7	11:10-11:30 (20 min)	Discussion and Confirmation on: - Amendment of Working Group Member - Progress of Procuring Equipment of Earthquake Simulation Experience for the Disaster Protection Training and Methodology Centre - Future Plan for Publishing White Paper - Schedule of Next JCC - Others	Project Coordinator, NEMA Discussion with All Participants
8	11:30-11:40 (10 min)	- Closing Remarks	Mr. D.Batsaikhan Director of Disaster Prevention Department, NEMA

  
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**Annex 3: Presentation documents for the progress of Activities for each Working Group**

**Progress of the Project**

"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"



**Progress of the Project**

**Output 1**

- Activities are underway for for planning DRR measures for aimags, soums and capital city districts and developing earthquake DRR plans based on the DRR planning, risk evaluation and database guidelines. → Improve the coordination of Sub-WG activities.
- NEMA needs to internally discuss the draft guidelines and obtain feedback. → Prepare the guidelines for official approval.

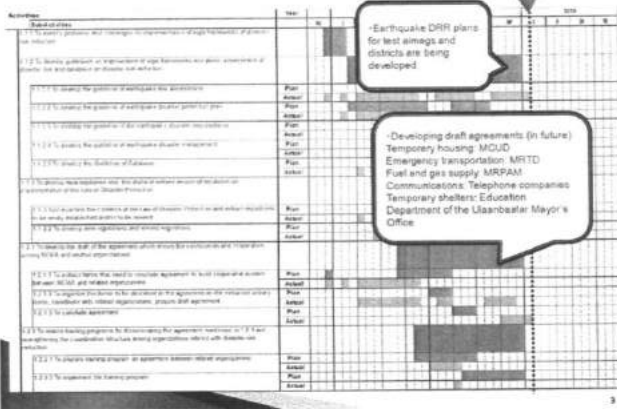
**Output 2**

- The guidelines have been approved and the relevant trainings are now being organized. → Master the utilization of seismic evaluation equipment as well as seismic evaluation and strengthening methodologies through the trainings.

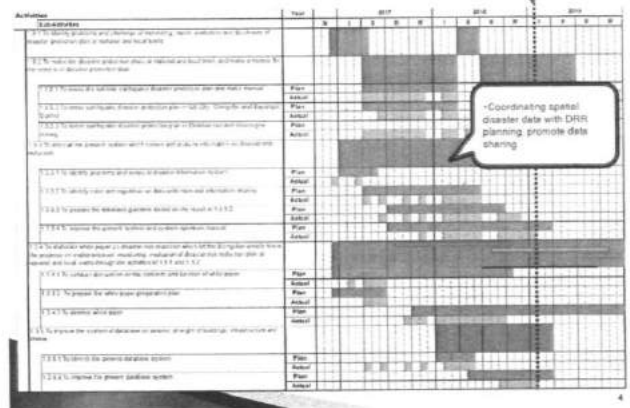
**Output 3**

- Instructor training for the "Safety Life Skills" training program is underway. → Effectively use and refine the instructor manual for implementing the "Safety Life Skill" training program.
- Training material for the DPTMC is being developed. → Include in the DRR plan of Output 1, and refine the DPTMC training contents based on the methods and experiences of Output 2.

**WG1 Progress Overview**



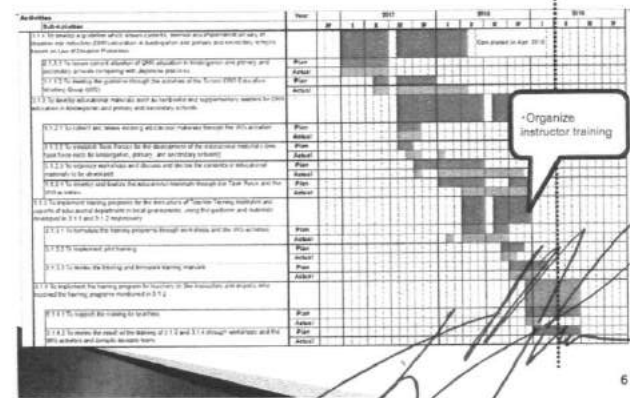
**WG1 Progress Overview**



**WG2 Progress Overview**



**Sub-WG 3.1 Progress Overview**





## Progress of WG1 Activities

"THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA"

7<sup>th</sup> Joint Coordinating Committee (JCC) Meeting  
February 1<sup>st</sup>, 2019

## Sub-WG 1-1: Earthquake Disaster Risk Evaluation Guideline

### Progress of Activities

- The Sub-WG is cooperating with JET to develop the structure of the earthquake disaster risk evaluation guideline.

**EARTHQUAKE DISASTER RISK EVALUATION GUIDELINE**  
(Regional Level)  
Draft Guideline Structure

#### Contents

1. General Provisions
2. Preparation for Evaluation
  - 2.1. Terminology
  - 2.2. Required Information
3. Conducting Earthquake Risk Evaluation
  - 3.1. Methodology for Conducting Earthquake Risk Evaluation
  - 3.2. Determining Earthquake Risk
  - 3.3. Earthquake Risk Analysis
    - 3.3.1. Brief Analysis of Disaster Risk
    - 3.3.2. Disaster Risk Evaluation
4. Developing Recommendations
5. Developing the Earthquake Risk Evaluation Report
6. Appendix

2

## Sub-WG 1-1: Earthquake Disaster Risk Evaluation Guideline

### ➤ Brief Analysis of Disaster Risk

Within the scope of the brief analysis of earthquake disaster risk; evaluation and damage estimation was conducted on the pilot aimags for developing earthquake DRR plans, namely Omnogovi and Darkhan-Uul aimags.

### ➤ Disaster Risk Evaluation

The earthquake disaster risk evaluation guideline is being developed based on the risk evaluation technical contents provided to the Sub-WG by JET. The guideline will also include more precise risk evaluation methods for mesh-based geographic regions.

The Sub-WG plans to finish the draft guideline in April 2019.

3

## Sub-WG 1-2: Guideline for Developing Earthquake DRR Plans

### Progress of Activities

- Methodological training for developing earthquake DRR plans are being organized in test regions based on the Guideline for Developing Earthquake DRR Plans for Aimags, Soms and Capital City Districts. The Sub-WG is currently working to fully develop the earthquake DRR plans for the test regions, refine the guideline, and have the guideline approved in September 2019.
- The Sub-WG is currently working on adjusting the draft Guideline for Developing National and State Authorities' Earthquake DRR Plans, and preparing to submit this guideline to the Head of NEMA for approval.

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## Sub-WG 1-2: Guideline for Developing Earthquake DRR Plans

### Test Regions for Developing and Refining Earthquake DRR Plans

- |  |   |
|--|---|
| <p><b>Darkhan-Uul and Omnogovi aimags</b></p> <ul style="list-style-type: none"> <li>➤ May 2018</li> <li>➤ September 2018</li> <li>➤ November 2018</li> <li>➤ Organized in Darkhan-Uul aimag in January 2019. Planning to organize in Omnogovi aimag in February 2019</li> </ul> | <p><b>Bayangol and Chingeltei Districts of Ulaanbaatar</b></p> <ul style="list-style-type: none"> <li>➤ August 2018</li> <li>➤ September 2018</li> <li>➤ December 2018</li> <li>➤ January 2019</li> </ul> |
|--|---|
- 
- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>➤ Earthquake DRR plans for aimags will be fully developed in September 2019.</li> <li>➤ Currently obtaining feedback on the contents of the guideline, and incorporating them into the guideline</li> <li>➤ Disaster prevention and risk reduction plans are in the finalization stage.</li> </ul> | <ul style="list-style-type: none"> <li>➤ Earthquake DRR plans for capital city districts will be fully developed in September 2019.</li> <li>➤ Currently obtaining feedback on the contents of the guideline.</li> <li>➤ Disaster prevention and risk reduction plans are in the development stage.</li> </ul> |
|---|--|

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## Sub-WG 1-3: Cooperation Agreements

Sector	Contents	Organizations	Progress
Food	Organize stable supply of foods and water to disaster victims in evacuation places and temporary housings	NEMA-MOFALI	Agreement established on October 16, 2018.
Medicine, medical equipment	Stable supply of medicine for providing emergency medical services in regions struck by disaster	MOH-3 major pharmaceutical manufacturer and importer companies	Agreement established on November 12, 2018.
Construction materials, temporary housing	Supply of construction materials required for the immediate restoration of structures, and construction of temporary housing	MCIJD- Association of Construction Material Manufacturers, Construction Association	The date for signing the agreement is being scheduled, and the agreement is planned to be established in the near future.
Clean water	Organize stable water supply at regions struck by disaster	NEMA-Water Management Authority	The Water Management Authority approved the draft agreement. Currently, obtaining feedback from NEMA divisions.
Waste water treatment	Establish public lavatories in evacuation places and temporary housing, and organize the immediate restoration of sewage systems	EMDC-Facility Service Office of UB City	EMDC has delivered the draft agreement to the Facility Service Office of UB City for feedback.

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**Sub-WG 1-3: Cooperation Agreements**

Sector	Contents	Organizations	Progress
Temporary housing	Utilizing school buildings as temporary housing (School buildings to be built by Japanese government grants)	NEMA (EMDC)- Education Office of UB City	EMDC has delivered the draft agreement to the Education Office of UB City for feedback.
Communications	Setting up priority telephone lines during disasters, and limiting regular telephone services	Telephone companies, NEMA, CRC	CRC and telephone companies are currently studying the technical feasibility of the agreement.
Fuel and gas	Providing stable fuel supply required for organizing search and rescue, damage mitigation, and immediate restoration activities in regions struck by disaster.	NEMA-MRPAM	Draft agreement was developed in December 2018 and delivered to MRPAM.
Road and transport	Providing road and transport means necessary for organizing search and rescue, damage mitigation, and immediate restoration activities without delay in regions struck by disaster	NEMA-MRTD	Draft agreement delivered to MRTD for feedback.



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**Sub-WG 1-4: White Paper**

**1. Sub-WG Members**

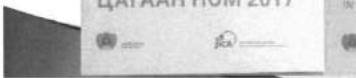
- Sh. Boldbaatar – Project Advisor
- O. Tsend-Ayush – Specialist from the Policy Coordination and Cooperation Department of NEMA, Lieutenant
- Osamu Nishii – Project Specialist
- Ya. Erdenebat – Project Translator
- The Sub-WG aims to develop and issue the first DRR White Paper in Mongolia that is comparable to the Japanese DRR White Paper.



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**Sub-WG 1-4: White Paper**

300 copies of the DRR White Paper was printed and distributed to NEMA divisions, the DRI, Central and Regional Emergency Management Departments, the Re-education and Rehabilitation Center of NEMA, the Law Enforcement University, the National Security Committee and the DPTMC.



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**Sub-WG 1-4: White Paper**

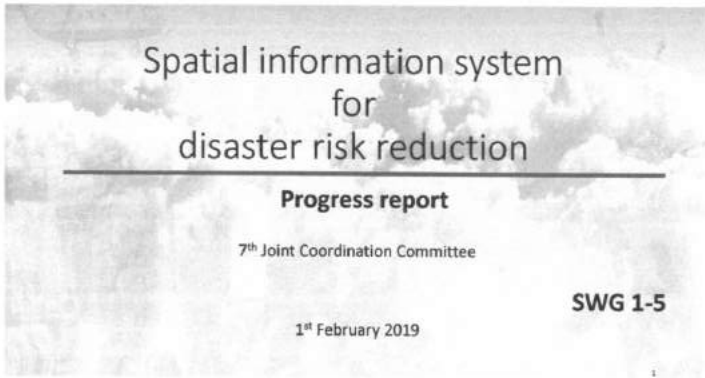
**Further Activities**

- Conditions are set for annual development and printing.
- The 2019 working plan for NEMA includes development of the 2019 version of the White Paper by the Disaster Prevention Department.
- The draft order for appointing the WG for developing the White Paper has been prepared.
- The "Manual for Developing the DRR White Paper" was developed based on the experiences and lessons learned from developing the 2017 version.
- The meeting of the WG in charge of developing the 2018 White Paper was held on January 29<sup>th</sup>, 2019. The contents and associated expenses of the White Paper were discussed during the NEMA Executive Committee meeting; and the White Paper is planned to be printed within April 2019.



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### 1. Overall progress of SWG 1-5:

Expected outputs	Progress /%/	Remaining activity
2 Development of web-system and geospatial database	80%	Database connection (Mapping system will be linked Daily based disaster information registering system)

### 2. Approval of guideline

**• Guideline:**

Preparation of draft guideline is on **100%**. We will introduce draft guideline into the next board of directors meeting.



### 3. Connecting databases in NEMA.

- Sub working group working on linkage between 2 databases in NEMA. 1) daily based disaster incident database and 2) spatial information system for DRR
- Disaster information system can be linked and embedded to risk database in near future.



### 4. Cooperation

**NEMA and Master planning department of capital city working together on spatial data exchange:**

- "On stage of contract negotiation with Master planning department of MUB. Spatial data exchange starts in February 2019.



### 5. Organize 3<sup>rd</sup> training (final)

- Working group will provide 3<sup>rd</sup> technical training to central and regional NEMA's staffs. Training will be implemented according to approved guideline, collected and adjusted spatial database for DRR.



6. Work plan (by 3 months)

	Name of activities	January	February	March
1	Approval of guideline	Finalize		
2	Linkage databases in NEMA	Finalize		
3	Contract negotiation with UB city	Finalize		
4	Final training	Finalize		

Thank you for your attention!  
**MAP.NEMA.GOV.MN**

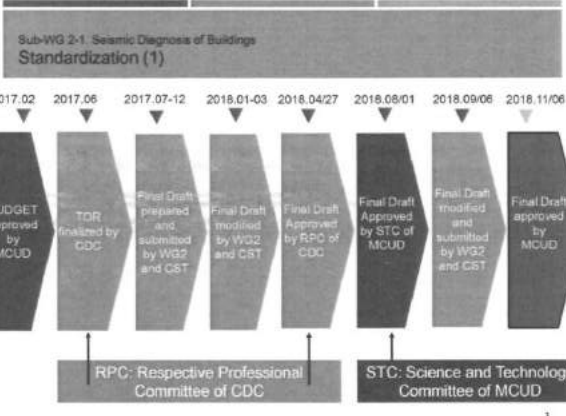
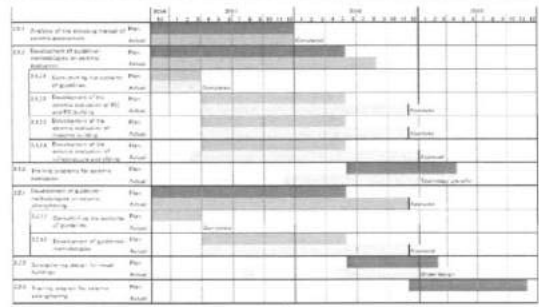


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## Progress of WG2 Activity

1. Sub-WG 2-1. Seismic Diagnosis of Buildings
2. Sub-WG 2-2. Seismic Diagnosis of Infrastructures and Lifelines
3. Sub-WG 2-3. Design of Seismic Strengthening
4. Issue
5. Future activities

## Progress Overview



### Sub-WG 2-1. Seismic Diagnosis of Buildings Standardization (2)

- The final drafts were discussed by Science and technology committee of MCUD on 2018.08.01 and approved to issue ministerial order.
- Approved by the 185 Ministerial Order of 2018.11.06 of Minister of Construction Urban Development.

Minister order of MCUD

### Sub-WG 2-1. Seismic Diagnosis of Buildings Training of Seismic Evaluation

- In 2018.11.12, equipment used for seismic diagnosis was handed from JICA to NEMA.
- In collaboration with the MCUD, NEMA, GASI, CDC and MACE, WG2 organized a two-day training course on "Equipment used for seismic diagnosis" between 2018.11.12 to 11.13.
- 64 people including inspectors of GASI and prefectural officers of building participated.

### Sub-WG 2-1. Seismic Diagnosis of Buildings Training of Seismic Evaluation

- In 2019.1.30, one-day training course on "Seismic Diagnosis" was held, featuring candidates of trainees in TOT as teachers.
- This course was planned as one of the series of training course.
- 56 building engineers from private companies participated, showing their interests in the method.

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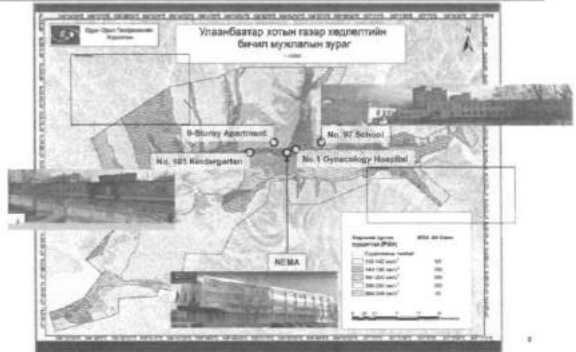
Sub-WG 2-2. Seismic Diagnosis of Infrastructures and Lifelines Standardization

- The final drafts were discussed by Science and technology committee of MCUD on 2017.12.22 and approved to issue ministerial order.
- Ministry of Road and Transport decided to issue a joint ministerial order on 2018.07.27.
- Approved by the 174/303 Joint Ministerial Order of 2018.12.28 of Minister of Construction Urban Development and Road Transport Development.

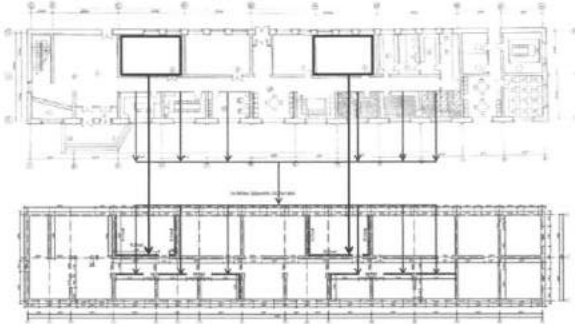


Joint Ministerial order of MCUD and MRTD

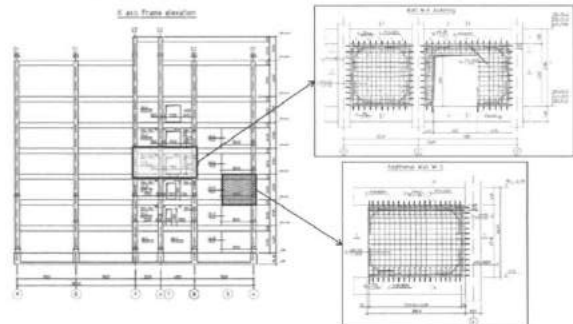
Sub-WG 2-3. Design of Seismic Strengthening Definition of Target Strength using Intensity MAP by IAG



Sub-WG 2-3. Design of Seismic Strengthening Retrofitting plan of NEMA main building /Masonry/



Sub-WG 2-3. Design of Seismic Strengthening Hospital of Gynecology /Reinforced concrete/



Issue & Future Activities

- Issue
  - There is no teacher to teach when conducting training in spreading seismic diagnosis and reinforcement methods of buildings.
- Countermeasure
  - Conduct training for TOT to teach seismic diagnosis and reinforcement methods.
  - Introduce training on seismic diagnosis and reinforcement methods of buildings into the MACE's /Mongolian Association of Civil Engineer/curriculum for engineer training.

Future activities

Items	Target Date
<b>Training of seismic strengthening design</b>	
Seismic strengthening design	2018.10-2019.03
Training	2019.04
<b>Implementation of "Train of Trainer"</b>	
Preparation of training manuals, materials and tools	2018.12-2019.05
Trial	2019.06-2019.10



Thank you for your attention.

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The 7th Joint Coordinating Committee (JCC) Meeting of the PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA

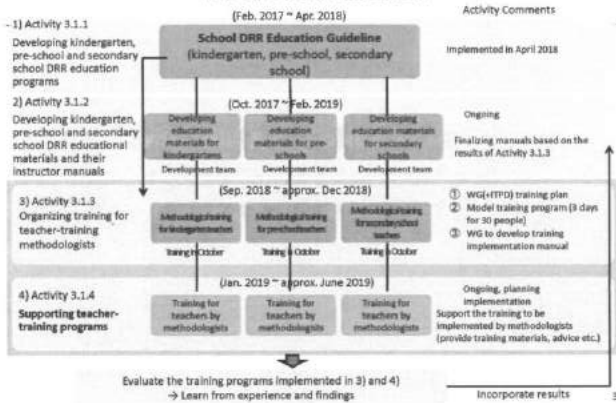
## Sub-WG 3.1: School DRR Education Progress Report

2019.2.1

### Sub-WG 3.1 Members DRR Education Working Group: School DRR Education

Mongolia Side	Japan Side
MECSS Myagmar, J	DRR Education I Miki Kodama (Ms.)
MECSS Gantsetseg, Ch. Baljanyam, P	DRR Education II Yujiro Ogawa (Dr.) (till Mar. 2018)
ERI (Education Research Institute) Erdenechimed, S	Seiji Suwa (Mr.) (from Apr. 2018)
ERI (Education Research Institute) Mongolbatan, G	Development of DRR Education Materials Yoko Ota (Ms.)
NEMA Disaster Prevention Department Munkbat, D. Enkhbatsuren, G	Community Disaster Management Toshikazu Hwaki (Mr.)
ITPD (Institute of Teachers' Professional Development) N. Munkhbayer	Local Consultant Dashiary, G. Adiyanyam, D.
	Local Consultant Bolormaa, T. Local Staff Byambasuren, S.

### Output 3-1: Overall Progress of Activities Related to Training for School DRR Education

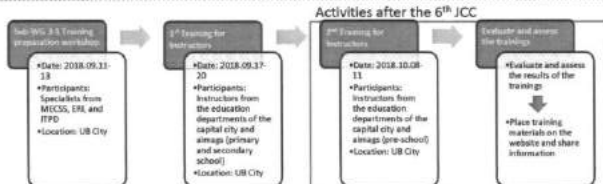


### Sub-WG 3.1 Progress of Activities

Activity	Plan	2017	2018	2019
1) To develop a guideline for school DRR education and countermeasures (GPEP, education in disaster prevention, and community disaster management)	Plan		Completed in Apr. 2018	
1.1.1 To review contents of school DRR education materials and prepare an early school emergency plan (teacher manual)	Plan			
1.1.2 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.3 To develop school disaster education materials and implementation manuals for school education in emergency and disaster situations	Plan			
1.1.4 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.5 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.6 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.7 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.8 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.9 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.10 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.11 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.12 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.13 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.14 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.15 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.16 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.17 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.18 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.19 To develop and finalize the school DRR education materials (teacher manual)	Plan			
1.1.20 To develop and finalize the school DRR education materials (teacher manual)	Plan			

### Activity 3.1.3 Training for Instructors and Methodologists

#### Training Plan



#### Training Contents (Draft)

- Concept and main contents of the "Safety Life Skills" training program
- Mongolia's DRR framework and countermeasures being implemented against disaster risk
- General understanding of disasters and disaster protection
- General understanding of DRR education
- Best practices of DRR training
- Tools and materials for DRR education
- Workshop/practical teaching method, developing DRR education plans, developing teacher-training programs

### Activity 3.1.3: Instructor Training (2nd training for pre-school education methodologists)

- Training date: October 8-11, 2018
- Training participants: 30 employees from the culture and education departments of aimags and capital city districts
- Training objective: Implement training based on the "Safety Life Skills" training program of each aimag (training participants to organize teacher-training programs and ensure sustained educational activities)



- Training contents appropriate for pre-school education programs were included based on the educational program of Kindergarten No. 61 of Bayanzurkh District, which is setting an example for DRR education through its program based on picture books and stories, as well as activities such as listening to stories about earthquake experiences and drawing them.

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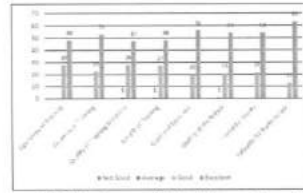
### Sub-WG 3.1 Meeting

- Date: 2018.10.12 (Friday)
- Items discussed:
  - Activity 3.1.3: Evaluating instructor training programs
  - Activity 3.1.4: Discuss how to support the DRR training for teachers and employees of schools
    - ◆ Disseminate training materials
    - ◆ Discuss activities at pilot schools and kindergartens
  - Activity 3.1.2: Developing the manual for the "Safety Life Skills" training program
    - ◆ Setting the date for finalizing the manual
    - ◆ Determining the design of the manual, the pictures to include and the number of copies to print

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### [Results of the Sub-WG meeting] Activity 3.1.3: Instructor Training

- Results of the training feedback survey  
(Consolidated results of pre-schools, as well as primary and secondary schools)



- ✓ Participants were satisfied with the contents, quality and duration of the training programs.
- ✓ In terms of the knowledge obtained from the trainings, the participants have emphasized the importance of disaster preparedness, of knowing that disaster can strike at any time, and of including DRR content and the relevant educational materials and tools in the current curricula of schools.

#### Further activities

- ✓ Provide training videos, images and videos to participants (using Google Drive)
  - Disseminate in rural areas
- ✓ Discuss how to establish a framework for the sustained implementation of the "Safety Life Skill" training program: include in the teaching contents of teachers who have worked 1, 5 and 10 years
- ✓ Support the activities for disseminating the "Safety Life Skills" training program by teacher instructors in rural areas
- ✓ Determine pilot schools (one each from kindergartens, primary and secondary schools) and activities to implement

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### [Results of the Sub-WG meeting] Activity 3.1.2: Developing Manuals

- Working plan for finalizing manuals (tentative)
  - Oct - Mar: Modifying and finalizing the contents of the manual based on the results and information obtained from the trainings
  - March 11 (Monday): Deadline for receiving the final draft
  - March 11 (Monday) ~ 15 (Friday): Prepare the print version
  - March 15 (Friday) ~ 20 (Wednesday): Adjust the contents of the print version
  - March 21 (Thursday) ~ 26 (Tuesday): Obtain expert feedback
  - March 26 (Tuesday) ~ 28 (Thursday): Make adjustments based on expert feedback
  - March 28 (Thursday) ~: Print and distribute
- Design of the manual and number of copies to print
  - B5 size, colored (or parts with images are colored)
  - Pre-School version: 50 pages and 1,000 copies; primary and secondary schools: 150 pages and 800 schools x 2 copies
  - Supporting materials: DVD (information on the manual, materials to use, training materials etc.)
  - Discuss the images to include in the manual

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### Activity 3.1.4: Supporting the DRR Training for Teachers (Educational methodologists and principals of pre-schools in Bayanzurkh District)

- Training date/location: 2018.12.27~28/Kindergarten No. 61
- Training participants: 50 methodologists and principals of kindergartens in Bayanzurkh District
- Instructors: Emergency management department of Bayanzurkh District, ERI, MRCS, JET
- Training objective: Support the implementation of the "Safety Life Skills" training program



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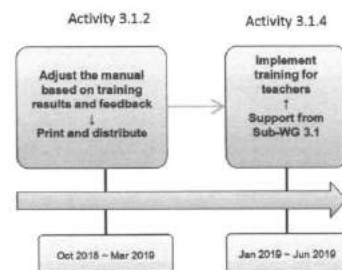
### Activity 3.1.4: Supporting the DRR Training for Teachers (Training for pre-school teachers who have 10 years of teaching experience)

- Training date/location: 2019.1.16/School No. 73
- Training participants: 110 pre-school teachers who have 10 years of teaching experience
- Instructors: ITPD, JET
- Training objective: Introduce the "Safety Life Skills" training program to teachers with 10 years of teaching experience



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### Plan for Further Activities of Sub-WG 3.1



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## Sub-WG 3.2 Progress of Activities

THE PROJECT FOR STRENGTHENING THE NATIONAL CAPACITY OF  
EARTHQUAKE DISASTER PROTECTION AND PREVENTION IN MONGOLIA  
7<sup>th</sup> JOINT COORDINATING COMMITTEE (JCC) MEETING

February 1st, 2019

### Sub-WG 3-2 Members

Mongolian Side	Japanese Side
 <b>D. Munkhbatal</b> Manager of the Disaster Protection Training and Methodology Center of the EMDC, Lieutenant Colonel	 Development of Training Materials <b>Yoko Ota (Ms.)</b>
 <b>D. Bat-Erdene</b> NEMA Senior Specialist on Training and Awareness-Raising, Lieutenant Colonel	 Community Disaster Protection Training <b>Toshikazu Hiwaki (Mr.)</b>
 <b>B. Chinbat</b> Senior Specialist of the Disaster Prevention and Awareness-Raising Division of the EMDC, Lieutenant Colonel	 Development of Training Materials <b>N. Anarjargal</b>
 <b>D. Dulamsuren</b> Head of NEMA's Public Communications Center, Lieutenant Colonel	 Disaster Protection Training 1 <b>Miki Kodama (Ms.)</b>
 <b>S. Doljinuren</b> Disaster Prevention Specialist of the Emergency Management Division of Bayanzurkh District, Senior Lieutenant	 Disaster Protection Training 2 <b>Yujiro Ogawa (Dr.)</b>
 <b>B. Uurlingeegee</b> Teacher at the Disaster Protection Training and Methodology Center of the EMDC	 Regional Specialist <b>G. Dashdorj</b>
 <b>B. Arlunchimgag</b> Specialist at the National Center for Lifelong Education, MECBS	 Regional Specialist <b>D. Adiyanyam / T. Bolormaa</b>

### Sub-WG 3.2 Regional DRR Education

► **Activity 3.2.1** Developing a comprehensive work plan for DRR education and awareness-raising; Improve educational and awareness-raising efforts

► **Activity 3.2.2** Developing DRR education and awareness-raising materials, and conduct training in selected regions

► **Activity 3.2.3** Refining the educational program of the Disaster Protection Training and Methodology Center

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### Sub-WG 3.2 Progress of Activities

Activities	Sub-Activities	Year	2017					2018					2019							
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
3.2.1	To develop comprehensive work plan for disaster risk reduction and disaster preparedness in Mongolia	Plan																		
3.2.1.1	To examine related organizations about a coordinated and consistent	Plan																		
3.2.1.2	To examine treatment for DRR in disaster response management	Plan																		
3.2.1.3	To establish highly response	Plan																		
3.2.1.4	To create a model for the cooperation and action plan with existing one in other countries	Plan																		
3.2.2	To develop materials for training on disaster risk reduction education and taking awareness and experience the training for the target groups in all areas	Plan																		
3.2.2.1	To create training materials of	Plan																		
3.2.2.2	To discuss and prepare training materials	Plan																		
3.2.2.3	To improve training of trainers materials	Plan																		
3.2.2.4	To improve training materials	Plan																		
3.2.2.5	To improve training materials	Plan																		
3.2.3	To refine and improve educational and training program for emergency disaster prevention and administration program in Mongolia	Plan																		
3.2.3.1	To examine and consider a plan proposal for the training center	Plan																		
3.2.3.2	To examine treatment and equipment for improvement of training center	Plan																		
3.2.3.3	To support procurement of equipment	Plan																		
3.2.3.4	To improve public disaster prevention and administration	Plan																		
3.2.3.5	To improve training program	Plan																		
3.2.3.6	To improve disaster prevention	Plan																		

#### Activity 3.2.1 Developing a comprehensive work plan for DRR education and awareness-raising

- A comprehensive planning system for DRR education and awareness-raising activities and providing DRR training information has been developed and placed on the [www.ontsgoisur.gov.mn](http://www.ontsgoisur.gov.mn) website.
- Online and classroom-based training for this system was organized for a total of 78 executives and specialists of disaster prevention departments of the 21 aimags and 9 districts; as well as members of the Disaster Prevention and Awareness-Raising team.
- The comprehensive planning system will become operational on February 1<sup>st</sup>, 2019.



4 |Public information page



Training in session

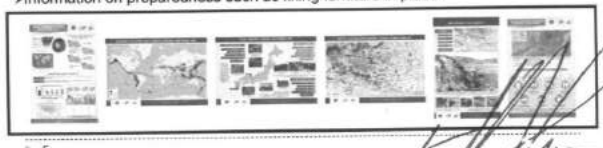


#### Activity 3.2.3: Developing training materials for the DPTMC and organizing training

- Earthquake experience simulation room: Developing earthquake information boards
- Earthquake experience simulation room: Developing a miniature model for an earthquake-resistant building
- Children's room: Developing training materials for the earthquake self-defense training corner

##### Earthquake Information Boards

- > General understanding of earthquakes
- > Information on the type of earthquake to be simulated on the platform, and its destructive effects
- > Information on preparedness such as fixing furniture in place



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**Activity 3.2.3: Developing training materials for the DPTMC and organizing training**

**Developing a miniature model for an earthquake-resistant building (masonry and PC building)**

>After experiencing a simulated earthquake on the earthquake platform, the trainee can learn about the importance of the strengthening of buildings by comparing the effects of earthquakes on strengthened and non-strengthened buildings.



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**Children's room: earthquake protection training corner**

> Training tools and materials for the children's room will be developed through a World Vision project, and this activity is currently being coordinated with the JICA project. → A WG dedicated to developing training tools for children has been created.

Children's room planning (at present):

1<sup>st</sup> section: Mini-theater

2<sup>nd</sup> section: A space which represents the inside of a home

(1. Earthquake protection training corner, 2. Fire protection, 3. Smoke protection, 4. Household accident prevention training corner)

> Software tools which provide children with the opportunity to learn through playing and experiencing are being developed for the earthquake protection training corner (activity of our project).



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**Further Plans**

Activity 3.2.1 Developing DRR education and awareness-raising plans	Place the schedule and planning of DRR education and awareness-raising activities on the <a href="http://www.ontsgoisur.gov.mn">www.ontsgoisur.gov.mn</a> website under the 4W format	Activity completed
Activity 3.2.2 Developing DRR training and awareness-raising materials and conducting training in selected regions		Activity completed
Activity 3.2.3 Refine the education program of the DPTMC and develop training tools and materials	① Develop earthquake information boards and miniature building models for the earthquake experience simulation room ② Determining the contents of the DPTMC children's room, and developing the relevant tools and materials	February 2019  Around March 2019

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**THANK YOU FOR YOUR ATTENTION!**

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## Annex 4: Working Group Member List

### The Amended Member List of Working Groups (6th JCC)

“XXX”: Withdrawal from WG after the 6<sup>th</sup> JCC

“XXX”: Nomination for WG after the 6<sup>th</sup> JCC

“XXX”: Change of organization after 6<sup>th</sup> JCC

Working Group (WG)		Sub-WG	Member
WG1	<b>Disaster Management Plan</b> WG1 Coordinator: <b>D.Bazarragcha</b> Disaster Risk Management Department, NEMA	Risk Assessment Guideline	<b>D.Serjmyadag</b> Disaster Research Institute, NEMA <b>D.Bazarragcha</b> Disaster Risk Management Department, NEMA <b>B.Batbayar</b> Disaster Risk Management Department, NEMA <b>B.Khishigbaatar</b> Disaster Operation Department, NEMA
		Disaster Management Planning Guideline, Preparedness Planning Guideline and Risk Management Guideline	<b>B.Bayanmunkh</b> Policy Coordination and Cooperation Department, NEMA <b>B.Myagmardorj</b> EMDC <b>Ch.Otgontugs</b> Fire Department, NEMA <b>B.Khishigbaatar</b> Disaster Operation Department, NEMA
		Agreements	<b>B.Duvshin</b> Disaster Risk Management Department, NEMA <b>T.Bilguun</b> Policy Coordination and Cooperation Department, NEMA
		White paper	<b>O.Tsend-Ayush</b> Disaster Prevention Department, NEMA
		Database Guideline	<b>B.Purevnyam</b> Disaster Operation and Early Warning Command Center, NEMA <b>D.Bayarbaatar</b> Disaster Operation and Early Warning Command Center, NEMA <b>D.Sodnomragcha</b> Spatial Information and Technology Division, NEMA <b>B.Boldkhuu</b> Disaster Operation and Early Warning Command Center, NEMA
WG2	<b>Seismic Resistance</b> WG2 Coordinators: <b>L.Bilegjargal</b> MCUD	Seismic Diagnosis of Buildings	<b>L.Bilegjargal</b> MCUD <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>N.Tamir</b> Master Planning Agency of Capital City, Construction Quality and Safety Department <b>G.Saruultuya</b> Construction Development Center <b>S.Munkhdul</b> Construction Development Center <b>T.Galbadrakh</b> Finance and Logistics Department, NEMA <b>O.Bayarbaatar</b> MCUD <b>B.Bayardulam</b> Land Management, Geodesy and Cartography Agency, MCUD
		Seismic Diagnosis of Infrastructures and Lifelines	<b>L.Bilegjargal</b> MCUD <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>B.Munkhsaikhan</b> General Agency for Specialized Inspection <b>O.Bayarbaatar</b> MCUD

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Working Group (WG)		Sub-WG	Member
		Design for Seismic Strengthening	<b>L.Bilegjargal</b> MCUD <b>N.Ganchimeg</b> General Agency for Specialized Inspection <b>N.Tamir</b> Master Planning Agency of Capital City, Construction Quality and Safety Department <b>G.Saruultuya</b> <b>Construction Development Center</b> <b>S.Munkhdul</b> Construction Development Center <b>O.Bayarbaatar</b> MCUD <b>Ts.Khulan</b> Master Planning Agency of Capital City, Construction Quality and Safety Department
WG3	<b>DRR Education</b> WG3 Coordinator: <b>D.Munkhbat</b> Disaster Prevention Department, NEMA	School DRR Education	<b>J.Myagmar</b> MECSS <b>Ch.Gantsetseg</b> MECSS <b>P.Baljinnyam</b> MECSS <b>G.Mongolkhatan</b> Education Research Institute, MECSS <b>B.Erdenechimeg</b> Education Research Institute, MECSS <b>A.Enkhtogtokh</b> Education Research Institute, MECSS <b>G.Khaliun</b> Education Research Institute, MECSS <b>N.Munkhbayar</b> Institute of Teachers' Professional Development (ITPD), MECSS <b>D.Munkhbat</b> Disaster Prevention Department, NEMA Disaster Protection Training and Methodology Centre, EMDC <b>G.Enkhtsolmon</b> Disaster Prevention Department, NEMA
		Community DRR Education	<b>D.Munkhbat</b> Disaster Prevention Department, NEMA Disaster Protection Training and Methodology Centre, EMDC <b>D.Bat-Erdene</b> Disaster Prevention Department, NEMA <b>B.Uuriingegee</b> EMDC <b>B.Chinbat</b> EMDC <b>D.Dulamsuren</b> Public Information Center, Disaster Prevention Department, NEMA <b>S.Doljinsuren</b> EMDC <b>B.Ariunchimeg</b> National Center for Long life Education



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## **Annex 5: Question and Answers in the JCC meeting**

### **Record of Question and Answer in the 7th JCC Meeting**

#### **1. Amendment of Working Group Member**

##### **D. Munkhbat, Disaster Protection Training and Methodology Centre, EMDC:**

Let us discuss amendment of working group (WG) member based on the latest list of WG member.

In terms of changes in WG compositions, Major Khishigbaatar of the Disaster Operation Department has replaced Lieutenant Colonel Battulga who was transferred to the Emergency Management Department of Govi-Altai aimag.

In WG2, G.Saruultuya was replaced by S. Munkhdul.

In WG3, Lieutenant Colonel D. Munkhbat's position has changed from Head of the Disaster Prevention Department of the NEMA to the Training Manager at the Disaster Protection Training and Methodology Center of the EMDC. However, D. Munkhbat will continue the WG3 activities as the WG3 member.

Are there any objections or comments about the latest member for each WG? Since there is no objection from JCC member, the latest list of WG member has been approved.

#### **2. Progress of Procuring Equipment of Earthquake Simulation Experience for Disaster Protection Training and Methodology Centre (hereinafter referred to as "DPTMC" )**

##### **Mr. Owada, Project Manager, JICA Expert Team:**

I would like to clarify once again that the deadline for installing the equipment is drawing near. Please install the switchboards, safety fence and steps on time. The portal crane needs to be moved into the training room and hand lift jack need to be ready by February 11<sup>th</sup>.

##### **D. Batsaikhan, Director of Disaster Prevention Department, NEMA:**

Equipment installation has been delayed due to maintenance and repair work, which has been completed in December 2018. The DPTMC will be responsible for procuring the hand lift jack by February 11, 2019.

DPTMC will prepare two sets of hand lift jack by February 11<sup>th</sup>.

The portal crane will be placed in the room on February 11<sup>th</sup> and withdrawn on February 18<sup>th</sup>; these activities will be handled by the company of Chansaa.

The switchboards will be installed by February 4<sup>th</sup>, and the wiring will be completed on February 11<sup>th</sup>; this will also be handled by Chansaa.



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Chansaa will also handle the installation of the safety fence and steps on February 18<sup>th</sup>, 19<sup>th</sup> soon after installation of the equipment.

The installation of the equipment will be handled by Head of the EMDC Training Center Colonel Khurelbaatar and Major Galbadrakh of the Finance and Logistics Department of NEMA, along with the management team of the executing company. We expect the work to be completed on time.

**Mr. Owada, Project Manager, JICA Expert Team:**

Thank you for your comments. We are clear on the work to be done. We understand that waterproofing will be conducted after installing the earthquake simulation experience equipment. Will the waterproofing of the basement floor be completed before it rains? When is the work due?

**D. Batsaikhan, Director of Disaster Prevention Department, NEMA:**

The water stop boards on slab foundation will be installed soon after installation works on the simulation equipment with a responsibility of DPTMC. Waterproofing of the basement floor is planned with the budget allocation of maintenance in 2019 to start at the end of March and be completed in May by Chansaa.

**Mr. Owada, Project Manager, JICA Expert Team:**

We understand that water stop boards will be installed directly after the equipment is installed and that waterproofing of the basement floor will be completed by May.

**D. Batsaikhan, Director of Disaster Prevention Department, NEMA:**

That is correct.

### 3. White Paper

**D. Batsaikhan, Director of Disaster Prevention Department, NEMA:**

Mongolia's the first Disaster Risk Reduction (DRR) White Paper was issued in 2018 and is planned to be issued every year. The 2019 edition is included in NEMA's working plan of 2019 year. The White Paper is expected to be ready by April, 2019. The structure and content of the White Paper as well as the English and Mongolian translations, the number of copies to print and related expenses need to be discussed beforehand.

**L. Sayana, Advisor to the Deputy Prime Minister:**

Good day to everyone. I'd like to talk about the White Paper. First of all, thank you and congratulations for the Project members for developing Mongolia's first DRR White Paper with JICA's support. Secondly, the Deputy Prime Minister receives White Papers of other countries and we can see what the best practices in other countries are and what can be applied in Mongolia. We have also seen that it is possible to introduce Mongolian experiences to the world as best practices. For example, during the Asia Partnership Meeting held in Thailand in December 2018. We have presented the guideline approved by the Deputy Prime Minister that



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all Mongolian commercial entities need to develop and follow a DRR plan. When we presented this, representatives from other countries have noted that they do not have such guidelines. Therefore, we propose sending our White Paper to our partners in other countries. We have just received Japan's White Paper, and we hope we can do the same in sending ours to our partners each year.

**J. Myagmar, Director, MECSS:**

The education sector in Mongolia faces many challenges in terms of preparing manuals, training materials and human resources, and teaching trainees to protect themselves and others according to "The program for Life Safety Education". However, with the continued support of the JICA Project, the preparations of human resources at the national and regional level are progressing well. Still, there is insufficient teaching materials for fully disseminating White Paper and Life Safety Education knowledge in all regions of Mongolia. As mentioned before, we cooperate with organizations such as World Vision in this matter. We believe that, based on the experiences of last year's White Paper, we should develop the White Paper in an easily understandable manner and focus on the distribution so that anyone can access the information to the White Paper. There are around 800 secondary schools, 1,300 kindergartens and around 900,000 people in them. If we focus on looking for effective distribution channels to share the White Paper and other training materials with them, whether through CDs or online, schools can easily update their DRR knowledge each year and our efforts will be more effective.

**Mr. Goto, Director, Global Environment Department, JICA Headquarters:**

Thank you so much for the comments. We agree with the previous comments on sharing Mongolian experiences with other countries. In relation to Ms. Myagmar's comments, the DRR White Paper is a tool for providing DRR information to citizens and we agree that it is correct for the education sector to use it; however, the White Paper should not only mention success stories but also opportunities for further improvement.

**D. Munkhbat, Disaster Protection Training and Methodology Centre, EMDC:**

Next item on the meeting agenda is the schedule of the next JCC meeting.

**Mr. Sakurazawa, Global Environment Department, JICA:**

Sorry, before discussing the schedule, I would like to say a few things about future project activities. As you can see, the handed out sheet to you shows the current state of the project, then the expected results of project efforts, and finally the realized impact of the project's efforts. The Project is going successfully thanks to your efforts. However, there is only 10 months left until the project period is over. Therefore, we need to focus on the coordination between outputs 1, 2 and 3, how they contribute to the main goals of the project, and how sustainable they are. I believe that it would be good to discuss these matters in the 8<sup>th</sup> JCC. The main goals of the project are not expressed quantitatively. So, we should also discuss expressing them through the Project Design Matrix (PDM) in the 8<sup>th</sup> JCC.

**G. Ariunbuyan, First Deputy Chief, NEMA :**

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Thank you so much for the comment. The activities are progressing well toward the main goal. I agree that the three outputs need to be coordinated, and that this project can be a good leverage for improving DRR, especially earthquake DRR, in Mongolia. I believe that disseminating DRR knowledge through educational institutions to the public is a key factor in the sustainability of the project results. Secondly, seismic diagnosis and evaluation guidelines are being used in practice and I expect that there will be an opportunity to evaluate the results of the risk evaluation guidelines. I hope the relevant organizations keep this in mind during their activities, and collaborate with each other.

#### **4. Schedule of Next JCC Meeting**

##### **D. Munkhbat, Disaster Protection Training and Methodology Centre, EMDC:**

The next meeting will be held in June 2019. Do you have any comments on this schedule?

##### **Mr. Goto, Director, Global Environment Department, JICA Headquarters:**

We agree with the 8<sup>th</sup> JCC being held in June, 2019. Regarding the 9<sup>th</sup> JCC, the 9<sup>th</sup> JCC will be the final one, it could be in November, 2019 according to the project schedule.

##### **G.Ariunbuyan, First Deputy Chief, NEMA**

We agree to that.

#### **5. Other Comments**

##### **L. Sayana, Advisor to the Deputy Prime Minister:**

First of all, many thanks to project members and Mr. Owada's team for implementing project activities successfully and on time. I would like to give my own comments on some of the issues discussed.

First, I'm pleased that the earthquake simulation experience equipment will be installed soon at the DPTMC. The Standing Committee of the Government of Mongolia on Earthquake Disaster Prevention holds a meeting once per period; furthermore, according to resolution 76 of 2017 issued by then-Deputy Prime Minister Khurelsukh, the third week of March of each year will be Earthquake DRR Awareness Day. This year, that day falls on March 20<sup>th</sup> and we have discussed with NEMA about organizing the Standing Committee meeting at the DPTMC and present the new equipment; so please keep this in mind.

Standing Committee members are comprised of crucial decision makers who are directly involved in earthquake DRR policy. Therefore, I suggest we conduct preparation of this important meeting with that in mind. The Deputy Prime Minister's office and NEMA will also focus on press coverage regarding the implementation of the project.

Secondly, on January 17<sup>th</sup>, Brigadier General Ariunbuyan and I have participated in the 24<sup>th</sup> anniversary of the Hanshin earthquake in the International Recovery Platform in Kobe. During that time, we have presented this JICA project. We have also met with JICA representatives



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and have reached an agreement to provide support to each other on all sides for the continued success of this Project. The governors of Huvsgul and Darkhan-Uul aimags have joined us in this trip and I would like to mention that they have started a partnership with Hyogo prefecture in all sectors, one of the being earthquake DRR, as discussed with the deputy governor of Hyogo prefecture.

In relation to this, Darkhan Uul aimag has decided to donate a ger to the Disaster Prevention Research Center of Hyogo prefecture. Now the ger is placed in the Disaster Prevention Research Center and has become a symbol of our cooperation for the nearly 500,000 visitors that come each year.

Thirdly, I would like to present Mongolia's participation in the Geneva Global Platform to be held in May, 2019. The Deputy Prime Minister will participate as a keynote speaker and will present Mongolian Government policies.

I have a couple more comments related to the project. Firstly I would like to express the gratitude of the Deputy Prime Minister for providing the seismic diagnosis equipment. I propose cooperating with building associations for the training related to this equipment, because although you are currently working with engineers, the chief executives of construction companies are members of building associations, and therefore it would be beneficial to present this training to key company decision makers. All construction companies and experts use the website [barilga.mn](http://barilga.mn). My good friend is the owner of the website and could be a good channel to provide exposure to our project. Please let me know if you have any ideas, as we are ready to cooperate.

Finally, since you are conducting training for teachers within the scope of the project, you can cooperate with the Education Research Institute (ERI) closely in order to further strengthen the capacity of teachers. The director of the institute is also my friend and there is an opportunity to include the project's programs into their curricula.

Thank you so much for your efforts and I wish you success in the next period.

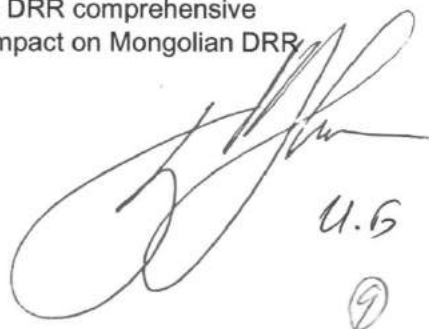
**Ms. Yoshino, JICA Mongolia Office, JICA:**

Thank you for your active support for the project as ever. We appreciate your comments and noted well. Together with the Embassy of Japan in Mongolia, JICA is planning to organize a handover ceremony of the Earthquake Simulation Experience Equipment on the Earthquake DRR Awareness Day on March 20, 2019. So, let us communicate further how we can organize both events together. We also agree on including the press during this event to increase awareness of our activities.

## 6. Closing Remarks

**D. Batsaikhan, Director of Disaster Prevention Department, NEMA:**

Dear JCC and WG members. The 7<sup>th</sup> JCC has been successfully held on schedule. Thanks for the WG members and counterparts for attending. The DRR White Paper has been ready, guidelines have been developed, agreements were made, and the DRR comprehensive program has been developed; all of which will have an important impact on Mongolian DRR.



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activities in the future. Within the framework of the project, guidelines for developing DRR plans are being implemented in Darkhan-Uul and Umnugovi aimags as well as Bayanzurkh and Bayangol districts. Since various DRR training programs are planned for the second period of 2019, I am looking forward to the finalization of these guidelines.

The opening ceremony of the earthquake experience simulation equipment will be organized in cooperation with NEMA, MECSS, MCUD, GASI, the Japanese Embassy and JICA.

NEMA and JICA need to further strengthen cooperation in order to complete the tasks presented in today's JCC meeting.

The 8<sup>th</sup> JCC meeting will be held in June, 2019. I wish you all success in the Project.

**D. Munkhbat, Disaster Protection Training and Methodology Centre, EMDC:**

Thank you so much for attending the 7<sup>th</sup> JCC. I hereby announce the closing of today's meeting.

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