



# Kendici District, Indonesia

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## Local progress report on the implementation of the 10 Essentials for Making Cities Resilient (2013-2014)

**Name of focal point:** Valentinus Irawan  
**Organization:** BNPB  
**Title/Position:** DRR Specialist  
**E-mail address:** valentinus.irawan@gmail.com  
**Telephone:** +628121830220

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# Essential 1

*Put in place organization and coordination to understand and reduce disaster risk, based on participation of citizen groups and civil society. Build local alliances. Ensure that all departments understand their role to disaster risk reduction and preparedness.*

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## **How well are local organizations (including local government) equipped with capacities (knowledge, experience, official mandate) for disaster risk reduction and climate change adaptation?**

Level of Progress achieved: 2

### Description of Progress & Achievements:

The Local Disaster Management Office (BPBD) was established based on Local Regulation No. 6/2010 with its function to carry out district disaster management activities especially on coordination aspect. The Local Long Term Development Planning stated as Local Regulation No. 15/2011 has included the disaster management activities on it. The disaster risk reduction is spread among Officials and still implementing in sector with lack coordination. Some Official established disaster unit for response and emergency situation. The Indonesian Red Cross has SIBAT program for disaster response at community level; The Body of Volcano and Mitigation of Geology Hazards established the volcano watches team; Health Office has Tagana Organization for disaster response. The communication organization for disaster management has been voluntary established by ORARI and RAPI. Mainly the disaster management program dominated with emergency responses activities. A better understanding in DRR is requires to make DRR become as part of capacities development of the area.

### Reference documents

> [Local Regulation on Local DM Office Establishment \(2010\)](#)

## **To what extent do partnerships exist between communities, private sector and local authorities to reduce risk?**

Level of Progress achieved: 1

## Description of Progress & Achievements:

Mostly the involvement between communities and private sectors is for emergency response. Lack of understanding of DRR on both sides makes the responses activities become as the priority.

### **How much does the local government support vulnerable local communities (particularly women, elderly, infirmed, children) to actively participate in risk reduction decision-making, policy making, planning and implementation processes?**

Level of Progress achieved: 1

## Description of Progress & Achievements:

Lack of participation from vulnerable group on development planning process and the DRR issue not include to local planning yet. Local government and other stakeholders need to encourage vulnerable group to participate on development planning process and increase their knowledge on it. There is a need for better organize of vulnerable group and diminish the assumption that the group is incapable.

### **To what extent does the local government participate in the national DRR planning?**

Level of Progress achieved: 1

## Description of Progress & Achievements:

The local government not yet actively involves on DRR national planning.



## Essential 2

*Assign a budget for disaster risk reduction and provide incentives for homeowners, low-income families, communities, businesses and public sector to invest in reducing the risks they face.*

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### **How far does the local government have access to adequate financial resources to carry out risk reduction activities?**

Level of Progress achieved: 1

#### Description of Progress & Achievements:

The approach on budget allocation for disaster risk reduction has been initiated and existing mechanism and regulation allows the local government to fully utilize the fund resources for DRR activities. The BPBD has budget allocation for DRR socialization.

### **To what degree does the local government allocate sufficient financial resources to carry out DRR activities, including effective disaster response and recovery?**

Level of Progress achieved: 1

#### Description of Progress & Achievements:

The local budget and expenditure has been allocate for DRR activities although some of expenditures were discrepancy from the target. The budget has been allocate for community awareness raising and disaster relief. Compatibility of program budgeting and its realization on DRR link to comprehension of the issue from Officials.

**What is the scope of financial services (e.g. saving and credit schemes, macro and micro-insurance) available to vulnerable and marginalised households for pre- disaster times?**

Level of Progress achieved: 1

Description of Progress & Achievements:

The local regulation has indicated to create the financial service for vulnerable group prior disaster. Local government needs to collaborate with private sector to develop financial service prior disaster and set a strong regulation to engage private sector participation on it.

**To what extent are micro finance, cash aid, soft loans, lone guarantees etc available to affected households after disasters to restart livelihoods?**

Level of Progress achieved: 1

Description of Progress & Achievements:

Post disaster relief for community in form of basic need and not yet organized for financial support to restart livelihood activities.

**How well established are economic incentives for investing in disaster risk reduction for households and businesses (e.g. reduced insurance premiums for households, tax holidays for businesses)?**

Level of Progress achieved: 1

Description of Progress & Achievements:

The regulation and mechanism to invest on DRR for households and businesses is need to set up by local government.

**To what extent do local business associations, such as chambers of commerce and similar, support efforts of small enterprises for business continuity during and after disasters?**

Level of Progress achieved: 1

**Description of Progress & Achievements:**

A regulation and mechanism to be set up by local government to engage business association on support of small enterprises for business continuity during and after disasters.

## Essential 3

*Maintain up-to-date data on hazards and vulnerabilities, prepare risk assessments and use these as the basis for urban development plans and decisions. Ensure that this information and the plans for your city's resilience are readily available to the public and fully discussed with them.*

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### **To what degree does the local government conducted thorough disaster risk assessments for key vulnerable development sectors in your local authority?**

Level of Progress achieved: 2

#### **Description of Progress & Achievements:**

The area has Potential Hazard Map, Evacuation Road Map, Disaster Vulnerable Area Data, and report from Health Office on Disaster Handling. Officials have conduct the disaster risk assessment for key vulnerable development sector in partial way. Coordination among Officials is need to be increasing by establish the operating procedure on disaster management.

### **To what extent are these risk assessments regularly updated, e.g. annually or on a bi-annual basis?**

Level of Progress achieved: 2

#### **Description of Progress & Achievements:**

The existing risk assessment irregularly update by Officials. A systematic assessment on existing hazards must establish among Officials.

### **How regularly does the local government communicate to the**



**community, information on local hazard trends and risk reduction measures (e.g. using a Risk Communications Plan) including early warnings of likely hazard impact?**

Level of Progress achieved: 3

**Description of Progress & Achievements:**

The district is prone to flood, volcano eruption, landslides, forest fire and earthquake. A regular communication to community on hazards is require to minimize the impact of disaster. Some Officials conduct regular and irregular hazards communication to community. One of Official using the Forum for Community Preparedness for regular (annual) disaster information spread out,; the Meteorology and Climatology Agency (BMKG) regularly update the weather condition through related Official for community consume. Communication on hazards to community need to be increasing by related Officials with various method and number of budget need to allocated by the local government on the activities.

**How well are local government risk assessments linked to, and supportive of, risk assessments from neighbouring local authorities and state or provincial government risk management plans?**

Level of Progress achieved: 1

**Description of Progress & Achievements:**

A mechanism on joint risk assessment with neighbouring local authorities and state or provincial government needs to establish. As a vulnerable district and bordering with other vulnerable district the collaboration with neighbouring local government is a must.

**How well are disaster risk assessments incorporated into all relevant local development planning on a consistent basis?**

Level of Progress achieved: 1

### Description of Progress & Achievements:

Local Disaster Risk Reduction Plan is available as well as risk assessment. Both of those documents need more socialization to all stakeholders as part of guideline on local development planning. As a strong basic the Local Long Term Development Planning has stated the disaster management as part of local development, the Local Land Use included the disaster management and mapping of vulnerable area by Officials.

## Essential 4

*Invest in and maintain critical infrastructure that reduces risk, such as flood drainage, adjusted where needed to cope with climate change.*

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### **How far do land use policies and planning regulations for housing and development infrastructure take current and projected disaster risk (including climate related risks) into account?**

Level of Progress achieved: 3

Housing	Yes
Communication	Yes
Transportation	Yes
Energy	Yes

#### **Description of Progress & Achievements:**

Stated that in local regulation no. 24/2012 on Land Use 2012-2032 that the purpose of land use management is to create a welfare area based on natural resource and integrate infrastructures with consideration to conservation and prone areas. Cited from this regulation there are 2 strategics link to disaster management (1) forest and protection area conservation and (2) management and adjusting of prone area. The regulation on land use supervision for housing and infrastructure development based on risk assessment is available. This regulation applying for development of land use for housing and infrastructure development at the region.

On the other hand, the supervision of local regulation on land use and development planning need to be enforcing and monitoring.

### **How adequately are critical public facilities and infrastructure located in high risk areas assessed for all hazard risks and safety?**

Level of Progress achieved: 1

## Description of Progress & Achievements:

The risk assessment is not carry out for critical public facilities and infrastructure located in high risk area. Law enforcement strongly need to be increase to ensure the safety aspect is becoming one of the requirement in development process.

### **How adequate are the measures that are being undertaken to protect critical public facilities and infrastructure from damage during disasters?**

Level of Progress achieved: 1

## Description of Progress & Achievements:

A small number of regular fund maintenance has been allocated for critical public facilities and infrastructure.

# Essential 5

*Assess the safety of all schools and health facilities and upgrade these as necessary.*

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**To what extent have local schools, hospitals and health facilities received special attention for "all hazard" risk assessments in your local authority?**

Level of Progress achieved: 2

Schools	Yes
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Hospitals/ health facilities                      Yes

Description of Progress & Achievements:

The risk assessment is carry out in partial for school and hospital/health facilities based on Local Regulation on Building No. 8/2013, but it is requires an integrated framework for all hazards assessment among Officials.

**How safe are all main schools, hospitals and health facilities from disasters so that they have the ability to remain operational during emergencies?**

Level of Progress achieved: 1

Schools	Yes
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Hospitals/ health facilities                      Yes

Description of Progress & Achievements:

No available data on safe assessment for school, hospital and health facilities from

disaster at the district.

**To what degree do local government or other levels of government have special programs in place to regularly assess schools, hospitals and health facilities for maintenance, compliance with building codes, general safety, weather-related risks etc.?**

Level of Progress achieved: 1

Schools	No
Hospitals/ health facilities	No

**Description of Progress & Achievements:**

The local government need to encourage better law enforcement on related regulation for building since the schools, hospital and health facilities is require high safety standard as public facilities.

**How far are regular disaster preparedness drills undertaken in schools, hospitals and health facilities?**

Level of Progress achieved: 3

Schools	Yes
Hospitals/ health facilities	Yes

**Description of Progress & Achievements:**

The school disaster preparedness as one of annual regular program initiated by Indonesian Red Cross. The Emergency Nurse Basic Level annually conduct by HIGAB. Participation from other stakeholders for regular disaster preparedness at

school, hospital and health facilities need to encourage by local government. Some if disaster preparedness activities not regularly conduct limited by budget availability.

## Essential 6

*Apply and enforce realistic, risk compliant building regulations and land use planning principles. Identify safe land for low-income citizens and develop upgrading of informal settlements, wherever feasible.*

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### **How well are risk-sensitive land use regulations and building codes, health and safety codes enforced across all development zones and building types?**

Level of Progress achieved: 2

#### Description of Progress & Achievements:

There are some local regulations issued as the guideline and measurement for safe development among others Local Regulation Land Use No. 24/2012; Local Regulation Building Permit No. 12/2011, Local Regulation No. 7/2008 on Environment Impact Management etc. Socialization as well as monitoring need to increased on the implementation of those mentioned local regulations in the area.

### **How strong are existing regulations (e.g. land use plans, building codes etc) to support disaster risk reduction in your local authority?**

Level of Progress achieved: 2

#### Description of Progress & Achievements:

Local regulations has been issued by government to support the disaster risk reduction activities on development process. The Coordination Body on Local Land Management is established and completed with mechanism and procedure which need to be increasing.



# Essential 7

*Ensure education programmes & training on disaster risk reduction are in place in schools and communities.*

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## **How regularly does the local government conduct awareness-building or education programs on DRR and disaster preparedness for local communities?**

Level of Progress achieved: 3

Programs include cultural diversity issues	No
Programs are sensitive to gender perspectives	No

### **Description of Progress & Achievements:**

Some Officials has includes the awareness raising and education on DRR into their programs though it is not link to each other. The Unity, Politic and Community Protection Body annually conduct the socialization on operation procedures on disaster. Meanwhile the District Police Office has proposed the regular program on disaster education. The BPBD actively conduct the socialization to community on existing hazards at the area. A more integrate program on DRR awareness raising and education among the Official is requires for effective result.

## **To what extent does the local government provide training in risk reduction for local officials and community leaders?**

Level of Progress achieved: 1

### **Description of Progress & Achievements:**

Local Development programming on DRR depends on the comprehension of the

local government. Right now the training and education on DRR for official and community leaders not put as the priority.

**To what degree do local schools and colleges include courses, education or training in disaster risk reduction (including climate related risks) as part of the education curriculum?**

Level of Progress achieved: 1

**Description of Progress & Achievements:**

Disaster risk reduction integrates into after school activities and some formal school subjects but limited. The students involve on disaster simulation conduct by Local DM Office. A regulation on DRR integration into education curriculum is require to facilitate the process.

**How aware are citizens of evacuation plans or drills for evacuations when necessary?**

Level of Progress achieved: 2

**Description of Progress & Achievements:**

The evacuation plan and drill partially implementing by relate official. Mostly the community familiar with earthquake simulation as the area is prone to volcano eruption. Enhancing of community preparedness activities at the local level is a need to be carrying by various stakeholders.

## Essential 8

*Protect ecosystems and natural buffers to mitigate floods, storm surges and other hazards to which your city may be vulnerable. Adapt to climate change by building on good risk reduction practices.*

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### **How well integrated are local government DRR policies, strategies and implementation plans with existing environmental development and natural resource management plans?**

Level of Progress achieved: 1

#### Description of Progress & Achievements:

The disaster risk reduction strategies not integrated yet into environmental development and natural resource management plans. A common comprehension among the Officials that the DRR solely the responsibility of BPBD.

### **To what degree does the local government support the restoration, protection and sustainable management of ecosystems services?**

Level of Progress achieved: 2

Forests	Yes
Coastal zones	Yes
Wetlands	Yes
Water resources	Yes
River basins	Yes
Fisheries	Yes

## Description of Progress & Achievements:

The Environment Body is established also some local and national regulations is applying. The protection and management of sustainable ecosystem services included to the local government program and issued with Mayor Decree for the implementation.

The community support need to be encourage on environment preservation and strengthen the law enforcement by local government.

### **How much do civil society organizations and citizens participate in the restoration, protection and sustainable management of ecosystems services?**

Level of Progress achieved: 1

## Description of Progress & Achievements:

Active participation of communities on environment preservation program is limited because of lack comprehension. A sequence of socialization is urge to increase community participation on the program and civil society need to increase their attention on environment preservation issues.

### **How much does the private sector participate in the implementation of environmental and ecosystems management plans in your local authority?**

Level of Progress achieved: 3

## Description of Progress & Achievements:

Not all private sector participate on environment and ecosystem program. One of private sector working on Plantation through its Corporate Social Responsibility

(CSR) actively involves on environment program. Local government also issued a regulation on CSR Fund Management. Increase the number of private sectors participate on the program will impact to community welfare.

## Essential 9

*Install early warning systems and emergency management capacities in your city and hold regular public preparedness drills.*

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**To what degree do local institutions have access to financial reserves to support effective disaster response and early recovery?**

Level of Progress achieved: 1

Description of Progress & Achievements:

Budget allocation is limited, mostly depends from support of province and national.

**To what extent are early warning centres established, adequately staffed (or on-call personnel) and well resourced (power back ups, equipment redundancy etc) at all times?**

Level of Progress achieved: 3

Description of Progress & Achievements:

The Emergency Operation Center at the area still embedded to province and will be activated under Local DM Office when disaster occur. The district is exposure to volcano eruption hazard from Marapi Volcano. The Center of Volcano and Geology Hazard Mitigation establish the volcano watches post equipped with seismograph. Meanwhile the Meteorology and Climatology Agency installed the weather detection equipment. Those equipment is operating well. The coverage area for information spread is need to be developing.

**How much do warning systems allow for adequate community**

## **participation?**

Level of Progress achieved: 1

Description of Progress & Achievements:

Limited information coverage and lack of community comprehension on early warning system has hinder their participation the system. Improvement of early warning system is a need in the area.

## **To what extent does the local government have an emergency operations centre (EOC) and/or an emergency communication system?**

Level of Progress achieved: 2

Description of Progress & Achievements:

The Emergency Operation Center (EOC) is establish under Local DM Office and the capacity of human resources as well as equipment need to be enhancing.

## **How regularly are training drills and rehearsal carried out with the participation of relevant government, non-governmental, local leaders and volunteers?**

Level of Progress achieved: 3

Description of Progress & Achievements:

Since the area is most prone to Marapi Volcano Eruption, the local government regularly conduct the simulation for community to deal with earthquake cause by

volcano eruption. Many stakeholders involve on the simulation include police, military, government, community and student. The Local DM Office has include the simulation/drill of disaster as the regular program. In the mean time only a small number of area covered for simulation/drill activities. An integrate program for simulation/drill need to organize among Officials.

**Related links**

- > [Volcano Marapi Eruption Simulation](#)
- > [Victim Minimize with Simulation](#)
- > [Earthquake Simulation](#)

**How available are key resources for effective response, such as emergency supplies, emergency shelters, identified evacuation routes and contingency plans at all times?**

Level of Progress achieved: 3

Stockpiles of relief supplies	Yes
Emergency shelters	No
Safe evacuation routes identified	No
Contingency plan or community disaster preparedness plan for all major hazards	No

**Description of Progress & Achievements:**

Some budget allocated by local government for emergency response and spread out among Officials. The stockpiles of relief supplies is available but limited availability infrastructures and emergency shelter. The contingency plan need to be developing for better emergency response preparation.



# Essential 10

*After any disaster, ensure that the needs of the survivors are placed at the centre of reconstruction with support for them and their community organizations to design and help implement responses, including rebuilding homes and livelihoods.*

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## **How much access does the local government have to resources and expertise to assist victims of psycho-social (psychological, emotional) impacts of disasters?**

Level of Progress achieved: 2

### Description of Progress & Achievements:

The psycho social worker for survivor support from other district since number of psycho social worker is limited. Local Government need to develop the network on availability of psycho social worker with neighbouring district, hospital and university.

## **How well are disaster risk reduction measures integrated into post-disaster recovery and rehabilitation activities (i.e. build back better, livelihoods rehabilitation)?**

Level of Progress achieved: 1

### Description of Progress & Achievements:

The operational initiation is existing among others availability of guideline, standard operating procedure and rehabilitation and recovery plan. Those regulation is can be optimum operates by coordination among Officials and other non government stakeholders.

**To what degree does the Contingency Plan (or similar plan) include an outline strategy for post disaster recovery and reconstruction, including needs assessments and livelihoods rehabilitation?**

Level of Progress achieved: 1

Description of Progress & Achievements:

No existing contingency plan for post disaster recovery and reconstruction.