



# Kota Gorontalo, Indonesia

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

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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:

Organizational, regulation and budget is available to support disaster risk reduction operational in area. Cooperation among local institution is implementing by Memorandum of Sanitation Program to engage Head of Officials on city clean program; emergency training and emergency ambulance training by city hospital; almost all Officials involve on disaster mitigation socialization; other socialization on environment preservation. Implementation of DRR has integrated into local development based to sector hinder by lack achievement because of limited DRR comprehension. Another obstacle is human resources capacity on disaster management. Climate change adaptation not stated on local development plan document but some program activities on climate change available at linked officials.

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

Level of Progress achieved: 2

### Description of Progress & Achievements:

Through corporate social responsibility (CSR), private sector facilitates disaster risk reduction activities and limited consider no specific approach from local government

to enhance its participation on DRR program. Private sector tend to support local government during emergency response phase. Collaboration between community and local government realizes into some local level activities by local government. Partnership of these stakeholders is at small scale and on certain event and local culture on voluntary work fade away among community.

**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:**

Local DM Office through resilient program has empower local community to propose consideration of disaster risk reduction into local planning. Coverage program is limited and important to be replicated to increase community awareness on political right and deliver its into local planning. Reality that minimum attention given to vulnerable group and attention given based on interest without sustainability.

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

Level of Progress achieved: 2

**Description of Progress & Achievements:**

Limited participation of local government on national disaster risk reduction planning. Once participated on DRR day in Bengkulu Province as event based. One national program available in city such as Green City Development Program

## 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: 2

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

A small amount of fund based to sector is operates for disaster risk reduction activities. Health Office through local special allocation fund procures medical facilities for emergency response. As physical mitigation, Public Work allocated some fund for embankment construction along Bolango River. National sharing fund on National Empowerment Community Program for poor community. Lack DRR comprehension from community constrained some physical risk mitigation, example land release for embankment construction. Small of fund allocated by local government and eager effort from local government is essential to access CSR fund from private sector for DRR activities.

### **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: 2

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

Procures of some facilities to support disaster risk reduction program and infrastructure development is implementing in region from fund allocated for linked DRR activities in by sector. Local government experiencing lack of fund for disaster management activities.

**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: 2

Description of Progress & Achievements:

Some financial sources at Officials are available and accessible for vulnerable households to enhance economic activities prior disaster. Joint Business Group (KUBE) manages by Social and Labor Office; Farmer Business Group under Agriculture Office; National Empowerment Community Program Fund. These fund program are accessible for community. However no specific data available in city to separate poor community and poor community as well as vulnerable.

**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:

Cash aid from Trade and Cooperation Office for poor family that establish micro business; tools support for poor households business and free certificate issued for small business. A clear mechanism on support delivery is important to be establish and more financial service for post disaster activities to be provided.

**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: 2

Description of Progress & Achievements:

Tax release for value less than 10.000 rupiah and 8 free featured programs along live for community but with minimum realization.

**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: 2

Description of Progress & Achievements:

Fund support from business association for micro business is available. Lack of coordination and supporting data hinder program implementation.

## 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:

Comprehensive risk assessment not conducted yet in area and limited key development sectors apply risk assessment as part of development process. Around 58% of building facilities in Kota Gorontalo such as hotel fulfill requirement of environment preservation efforts and environment analysis impact documents. Limited DRR comprehension from development actors and weak supervision creates greater risk in region.

### **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:

Some risk assessment at Local Development Planning Body and renewal every 5 years; Local DM Office biannual revision of risk assessment and Agriculture Technology Assessment Office in annual update existing risk assessment. Adequate data support and appropriate budget allocation as well as technology update is important for risk assessment updates.

**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: 2

**Description of Progress & Achievements:**

Linked officials conduct regular and irregular program on risk information spread to community. Meteorology and Climatology Agency every 2 hours distributes weather information to related institutions. Spread out information to community on dry season by using handy talkie and local wisdom. Meanwhile Local Environment Body installed pamphlet information on waste management and environment preservation based on budget allocation from linked officials. Public Work commit flood monitoring especially at settlement area. Limited budget allocation and facilities, human resources capacity and quality coordination among institutions hinder risk information activities to community.

**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: 2

**Description of Progress & Achievements:**

City government has collaborates with neighbouring district, Bone Bolango District on canal construction for flood management and Lake Limboto management located at these 2 region. Sector ego is a dominant factor hinder joint risk assessment between area.



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

Level of Progress achieved: 2

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

Risk assessment based to sector integrated to local development process. Local Environment Body apply environment impact analysis to assure environment capacity in regard to development plan. It is frequently apply to complete administration process linked to development permit issuance and negligence on implementation. Public Work has develop river debit as basic for flood prediction. Rainfall rate from BMKG as consideration for Agriculture unit to decide planting season. Not all risk assessment integrated into local development planning and partial aspect integration not achieve target hinder by comprehension.

## 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	No

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

Local Regulation No. 40/2011 on City Land Use as one of guidance for city development. Indonesian National Standard (SNI) apply for housing exposure to flood and earthquake. Drainage system as one of requirement on Building Permit Issuance. Communication tower development rule out by regulation. SNI also apply to road and bridge construction and building electricity installation has adjusted to valid standard. Optimum sanction is important to carry out to assure regulation/law enforcement to enhance city capacity.

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

Level of Progress achieved: 2

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

It has been regulated that every public facilities and infrastructures development activities should implementing environment impact analysis and Feasibility Test and Traffic Analysis.

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

Level of Progress achieved: 2

**Description of Progress & Achievements:**

Construction process has consider using standard foundation, lightning rod, fire extinguisher provision, emergency stair for high building and fire insurance. Limited public facilities available and no insurance apply for public facilities and infrastructures.

# 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: 1

Schools	No
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Hospitals/ health facilities No

Description of Progress & Achievements:

Allocation fund for electricity installation audit at local hospital is available. No multi risk assessment apply to school, hospital and health facilities caused no budget allocation.

**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	No
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Hospitals/ health facilities No

Description of Progress & Achievements:

Some schools functioning as temporary shelter during flood emergency response

and Aloi Saboi Hospital keeps operational during disaster. There is no assessment conduct to assure ability of school, hospital and health facilities to operate during disaster. Local government has to guarantee maintenance for schools usage as temporary shelter.

**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	Yes

**Description of Progress & Achievements:**

Hospital accreditation apply every 3 years. Allocation of maintenance budget not accompanied with risk assessment cost. Specific program from linked officials for risk assessment of school, hospital and health facilities is essential.

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

Level of Progress achieved: 1

Schools	No
Hospitals/ health facilities	No

**Description of Progress & Achievements:**

Very limited routine drills for school, hospital and health facilities considering lack of understanding on the importance of disaster preparedness and limited budget allocation. On the other hand, other non government parties not participates on drills activities for these facilities. Hospital conduct fire simulation.

## 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:

Misappropriated building to local land use apply sanction by 3 times warning letter and if neglect, next action is sanction apply based to Local Regulation No. 36/2011 on Building Issuance Permit.

### **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:

Some development activities in administration way has fulfill requirement from environment aspect and it is frequent neglect during implementation. These violation of local regulation on land use and building codes should prevent by strong supervision and sanction implementation as regulated.

# 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	Yes
Programs are sensitive to gender perspectives	No

### Description of Progress & Achievements:

Education Office has endorse teachers to include disaster risk reduction subject through tree planting during local content. Collaboration with Public Work Office and Local Environment Body to check damaged school infrastructures. Search and Rescue Agency in 2014 implementing SAR Goes to School program targeting school student and temporary reach 100 student. Weather information spread out to fishermen for safety of sail activities. Local DM Office conduct regular DRR socialization to school and implementing resilient village program at 2 villages with collaboration with Province DM Office. Fire simulation at department store and oil station will conduct in 2015. Climate field school for farmer by Meteorology and Climatology Agency 2x/years by deploy 25 mentors and has reached 100 farmers. High tide socialization to farmer for safe sailing. The Agency frequent visit by student and insert the DRR information to study visit information. Resilient village forum socializes DRR information to community and simulation implementation. Every 3 months, forum with community carry out drainage clean by self funding by community. Drainage clean also commit by Public Work Office and safety work socialization in cooperation with insurance company. City Military Unit conduct clean program by involvement of 150 personnel in 2013 and 450 personnel in 2014. Limited budget hinder higher coverage area of routine activities on education program and disaster preparedness.



## **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 institutions implementing some education and training for official on DRR but official shift leads to capacity loss of organization.

## **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:**

Education Office has endorse teachers to include disaster risk reduction subject through tree planting during local content. Eager support from local government is important to prioritize disaster risk reduction into local curriculum. Local Environment Body implementing environment program to school and Education Office plan to initiate DRR program at school.

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

Level of Progress achieved: 1

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

Through some programs at local level, evacuation plan formulates by direct involvement of community and simulated. Local DM Office through resilient village and conduct tsunami simulation. Resilient Village Forum actively involves on drill with Local and Province DM Office and established evacuation routes.

## 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: 2

#### Description of Progress & Achievements:

Integration and implementation of DRR into environment development and natural resources development committed by sector based. Local Environment Body run environment preservation program by involvement community on reforestation at landslide prone area. The agenda is carry once a week every Sunday at sub district level. As prevention or risk reduction to local environment destruction caused by mining activities Local DM Office installed information board on forbidden of C mineral mining. Every year, Agriculture Office conduct tree nursery for planting program and constructed dam to retain mud and sand erosion in one village. Integration of DRR into environment and natural resources management with lack achievement caused DRR comprehension and no/inadequate budget allocated on the program.

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

Level of Progress achieved: 3

Forests	Yes
Coastal zones	Yes
Wetlands	No

Water resources Yes

River basins Yes

Fisheries No

### Description of Progress & Achievements:

Organizational, regulation and budget allocation available to protect restoration, recovery and sustainable ecosystem management with some limitation. Reforestation commit at Talumolo village and reforestation as annual program by Agriculture Office and physic activity for disaster is commits by construction of erosion retain wall. Every 6 months Local Environment Body cooperates with Gorontalo University implement beach clean as part of new student program. To assure capacity of dam storage, Public Work Office carry out dam dredging. At school level, Education Office conduct planting for education program. Eradication of water hyacinth and garbage at Biawu Bridge by Local DM Office. City Management unit enforce building codes regulation enforcement for development activities at Hundolangi and Dumboraya sub district that situated at hilly area by no permit issuance and warning or demolition commits for permanent building at these area. Limited community participant on environment preservation increasing vulnerability by bad treatment to environment such as domestic waste into river and resistant on advice action to save environment. Strong supervision is important to increase program achievement for sustainable ecosystem management.

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

Level of Progress achieved: 2

### Description of Progress & Achievements:

Mostly cooperation establish between local government and community and limited involvement of civil society organization. Local Environment Body and community carry out tree planting program and volunteering work. Military unit collaborates with local government on clean program. Resilient Village Forum participates on environment clean program and has proposed program into local development plan.

Limited number of civil society organization slow down community empowerment to participates on environment program.

## **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:**

Private sector participates by fund delivery and supporting facilities procures. Green City program support by some conventional banks (North Sulawesi Bank, Danamon Bank), waste truck, garbage bin and waste container provision by Sampoerna as well as Social Guarantee Body also donated some waste management facilities. Other activities carry out for city green is provision of tree planting along main road. These support from private sector is lack of maintenance by linked officials and community.

## 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: 2

Description of Progress & Achievements:

Local government carry out rapid assessment to identify disaster scale, national or local. National scale disaster might request from national (BNPB) and for local scale disaster, local government has allocated some fund for food provision and any shortage supply might support by Province DM Office. Community and private sector also participate on emergency response fund. Limited fund allocation for emergency response hinder appropriate support to affected people.

**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:

Meteorology and Climatology Agency has equipment to commit weather monitoring. Communication with Local DM Office conduct pre and post disaster through communication equipment and it is important to establish particular signal of radio communication and additional professional operational staff. Military Unit and Police Office has radio communication equipment might operate for early warning system.

## **How much do warning systems allow for adequate community participation?**

Level of Progress achieved: 1

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

Limited program on early warning to community leads to lack of community participation and generally community only act as information receiver. Indonesian Red Cross facilitates Village and sub district Preparedness Team as effort to enhance community awareness on disaster preparedness. Scale of program is limited.

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

Level of Progress achieved: 1

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

City emergency operating center is not establish yet and right now depends on Province emergency operating center at frequent 147300 and coverage broadcasting to all province. Search and Rescue Body has communication system might operate on emergency cases.

## **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: 2

**Description of Progress & Achievements:**

Only a few local institution has routine training and drills with involvement related stakeholders in region. Local DM Office and Search and Rescue National Body has agenda drill/simulation into work plan.

**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: 2

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

**Description of Progress & Achievements:**

Some operational facilities available in region to carry out emergency response. 3 operational unit vehicles for fire and 1 unit supply vehicle with 8 personnel operation for 24 hours. Logistic stockpiles for fast food, tent, clothes and medicine. Evacuation shelter is available at Bele Limbui and Nani Wartabone Stadion. One of village has evacuation place from flood at local mosque.



## 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: 1

Description of Progress & Achievements:

Aloei Saboe Hospital in city has refers as psycho social handling. Very limited psycho social resources available in region is increase possibility of social impact in region. Cooperation to be developed by local government to assess more psycho social support and budget allocation for program carry out.

**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:

Allocation budget for livelihood recovery not apply yet into recovery and rehabilitation activities and it available for for public facilities and infrastructures recovery.

**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 integrated contingency plan in region on rehabilitation and reconstruction. Health Office is plan to develop contingency plan. Cooperation and coordination among sector is urge on contingency plan formulation and supporting professional resources is requires on process.