

# Lessons Learnt from Noliasahi and Venkatraipur



**Odisha State Disaster Management Authority**  
**Government of Odisha**

**Susmita Behera**  
Chief General Manager

# Tsunami Ready Villages-Odisha



## Noliasahi Village-Jagatsinghpur

- 500 meters away from the sea coast
- 130 Households
- 515 total population.
- Located at low lying area
- Mostly fisherman community

## Venkatraipur Village-Ganjam

- 247 meters away from the seacoast
- 497 Household
- 2040 Population
- Mostly fisherman community



# Tsunami Ready Indicators

## Tsunami Ready Indicators (Indian Ocean) - 11

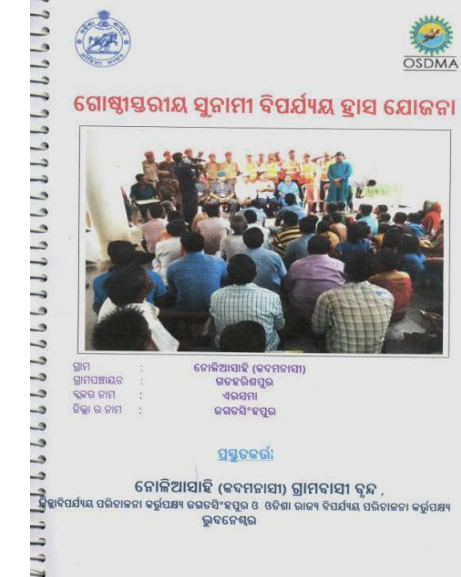
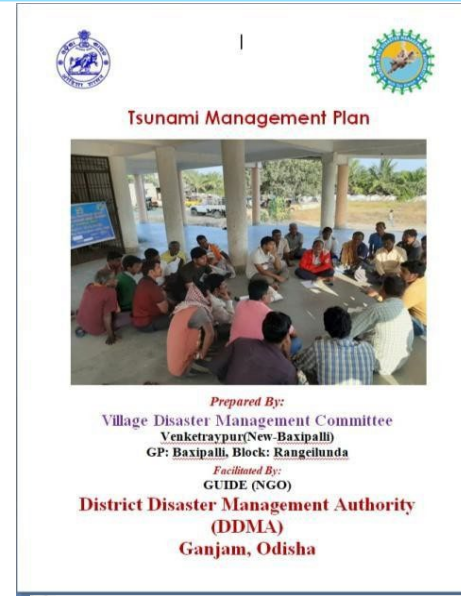
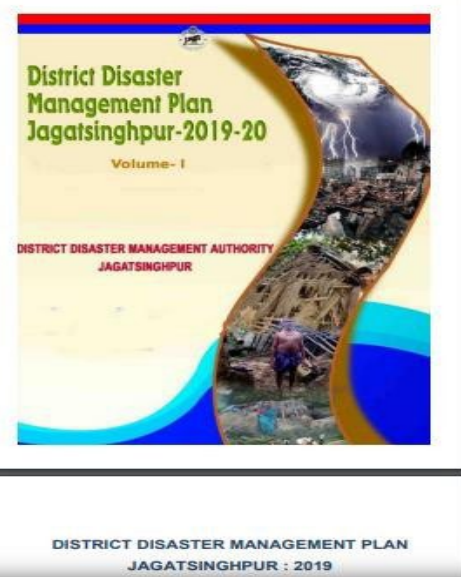
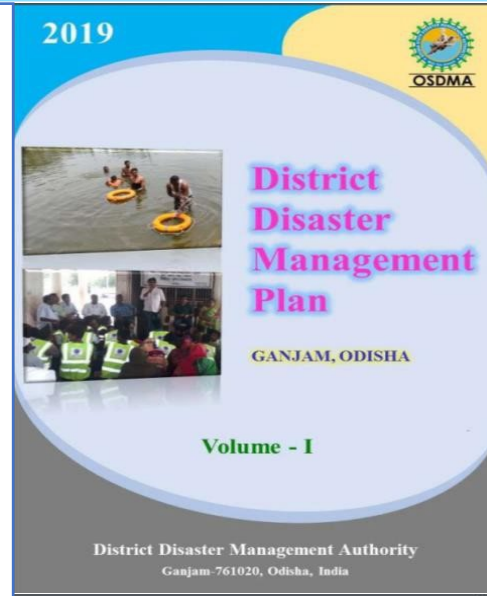
### Community Tsunami Ready Indicator (CTRI) - Indian Ocean

CTRI-1	ASSESS-1: Have Community Tsunami Risk Reduction Plan
CTRI-2	ASSESS-2: Have designated and mapped tsunami hazard zones
CTRI-3	ASSESS-3: Have a public display of tsunami information
CTRI-4	PREP-1: Produce easily understood tsunami evacuation maps as determined to be appropriate by local authorities in collaboration with communities
CTRI-5	PREP-2: Develop and distribute outreach and public education materials
CTRI-6	PREP-3: Hold at least three outreach or educational activities annually
CTRI-7	PREP-4: Conduct an annual tsunami community exercise
CTRI-8	RESP-1: Address tsunami hazards in the community's Emergency Operations Plan (EOP)
CTRI-9	RESP-2: Commit to supporting the Emergency Operations Centre (EOC) during a tsunami incident, if an EOC is open and activated.
CTRI-10	RESP-3: Have redundant and reliable means for a 24-hour warning point (and EOC if activated) to receive official tsunami threats
CTRI-11	RESP-4: Have redundant and reliable means for a 24-hour warning point and/or EOC to disseminate official tsunami alerts to the public

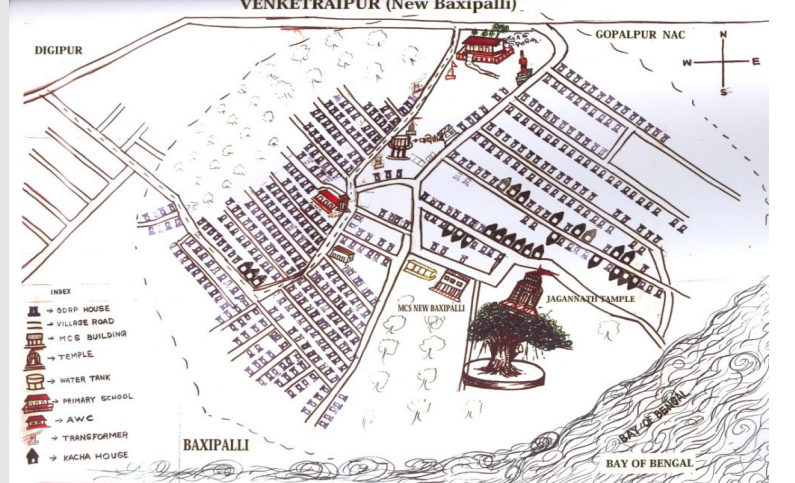
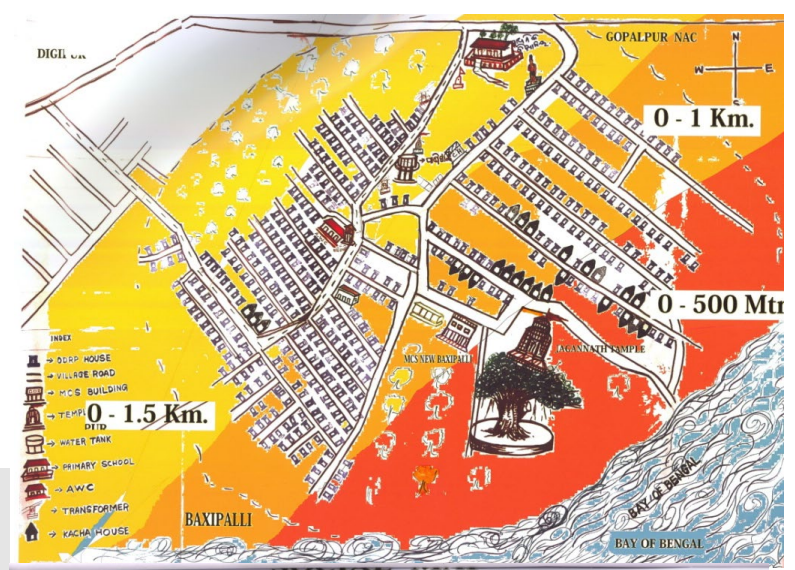
# Indicator -1

## Have Community Tsunami Risk Reduction Plan

- District Disaster Management Plans of Ganjam & Jgatsinghpur (update every year)
  - Hazard Risk Vulnerability Analysis
  - Mitigation plan, Capacity Building Plan, Response Plan of the district
  - Capacity Building Plan
  - Awareness activities
- Village Disaster Management Plan
- Tsunami Management Plan
- Annual Mock Exercises
  - 19th June
  - 5th November



### Social Maps





# Indicator - 3

## Have a public display of tsunami information

- Identification of Tsunami hazard zones
- Tsunami signage, evacuation route, hoardings and awareness materials are installed in both villages
- Identification of safe evacuation routes and safe shelters



## Indicator - 4

Produce easily understood tsunami evacuation maps as determined to be appropriate by local authorities in collaboration with communities

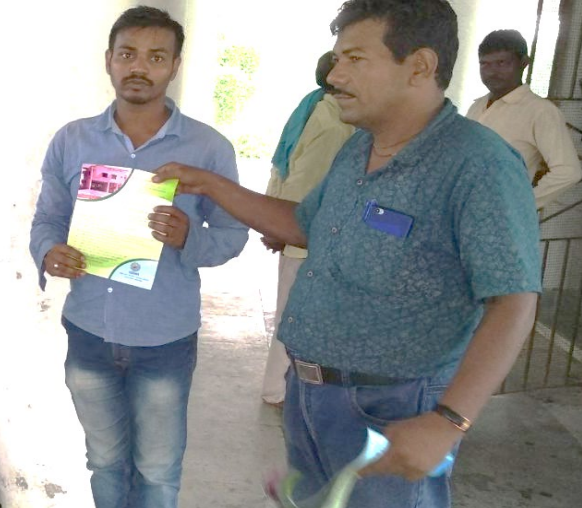
Tsunami Evacuation Maps have been prepared in both villages by the community members



# Indicator – 5

## Development and distribution of outreach and public education material

- Posters, Wall paintings and Leaflets are prepared and distributed in both villages including schools and other important Institutions.
- Audio visual on Tsunami Awareness prepared and displayed at community and shared in Social Medias
- Awareness programmes through Street plays and folk based programs.
- Tsunami evacuation maps and information about when and how to respond to warnings are disseminated to the community





## Indicator - 6

Hold at least "three" outreach or education activities annually

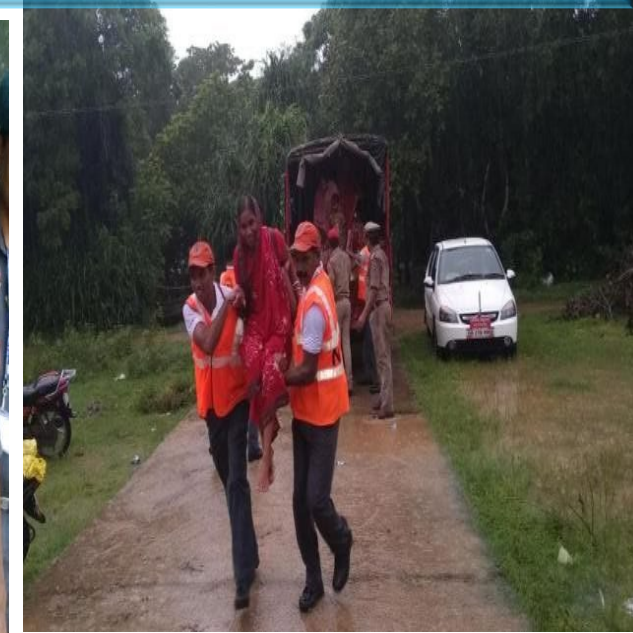
- Orientation Programmes, Sensitization Meetings, Awareness Campaigns, etc. were organized in the two villages



## Indicator - 7

### Conduct an “annual” tsunami community exercise

- IO Waves in 2011, 2014, 2016, 2018 & 2020
- National Tsunami Mock Drills 2015 & 2017
- Annual Mock Exercise on 19th June every year
- Tsunami Drill 2021 & 2022



# Indicator – 8

## Address tsunami hazards in the community's Emergency Operations Plan(EOP)

- Tsunami Management Plan of the two villages were prepared
- Includes Response Plan, Mitigation Plan, Resource Mapping, Contact details of all important stakeholders, details of the task force volunteers
- Includes social maps, vulnerability maps, evacuation routes, hazard zone maps etc.

**Tsunami Management Plan**

*Prepared By:*  
Village Disaster Management Committee  
Venketraypur(New-Baxipalli)  
GP: Baxipalli, Block: Rangeilunda

*Facilitated By:*  
GUIDE (NGO)

**District Disaster Management Authority (DDMA)**  
Ganjam, Odisha

**ଗୋଷ୍ଠୀସ୍ତରୀୟ ସୁନାମୀ ବିପର୍ଯ୍ୟୟ ହ୍ରାସ ଯୋଜନା**

ଗ୍ରାମ : ନୋକିଆସାହି (ବଦମନାସୀ)  
ଗ୍ରାମପଞ୍ଚାୟତ : ଉତ୍କଳିଶପୁର  
ବ୍ଲକ୍ ନାମ : ଏରସମା  
ଡିଭିଜନ୍ ନାମ : ଜଗତସିଂହପୁର

**ପ୍ରସ୍ତୁତକର୍ତ୍ତା**

ନୋକିଆସାହି (ବଦମନାସୀ) ଗ୍ରାମବାସୀ ବୃନ୍ଦ .  
ଜିଲ୍ଲାବିପର୍ଯ୍ୟୟ ପରିଚାଳନା ବର୍ତ୍ତୁପକ୍ଷ୍ୟ ଜଗତସିଂହପୁର ଓ ଓଡ଼ିଶା ରାଜ୍ୟ ବିପର୍ଯ୍ୟୟ ପରିଚାଳନା ବର୍ତ୍ତୁପକ୍ଷ୍ୟ ଭୁବନେଶ୍ୱର

## Indicator – 9

# Commit to supporting the emergency operations centre (EOC) during tsunami incidents if an EOC is opened and activated

- 365 x 24 State Emergency Centre (SEOC) at State level
- 24 hrs District Operation Centre (DEOC) with all the communication equipment



## Indicator – 10

# Have redundant and reliable means for a 24-hour warning point (and EOC if activated) to receive official tsunami threats

- SEOC receives Tsunami warnings from INCOIS and disseminates to DEOC, BEOC and villages through different channels like e-mail, DMR, Telephones, and Social Media
- Warning Dissemination system through different channels from State to District and down the line
- Alert Siren towers installed in 122 strategic locations



## Indicator - 11

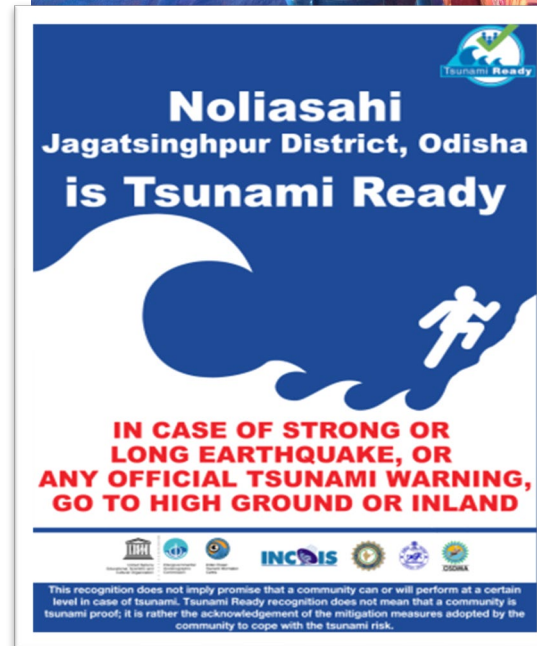
# Have redundant and reliable means for a 24-hour warning point and/or EOC to disseminate official tsunami alerts to the public

- Alert Siren Towers
- Public address system through mikes and megaphones by community-level volunteers



# Tsunami Ready Certification of Venkatraipur and Noliasahi

- India is the first country in the Indian Ocean Region and Odisha is the first state to prepare communities as Tsunami Ready.
- IOC-UNESCO Team for Tsunami Ready visited the village of Venkatraipur and Noliasahi in the month of December, 2019 and certified as Tsunami Ready Communities on August 2020.



# Way Ahead

- 381 coastal villages/wards to be prepared as tsunami-ready communities in the coming years
- Regular Plan updation
- Reflective signage for night time evacuation
- Streamlining dissemination of warning
- Capacity building of all stakeholders
- Readiness of tsunami shelters all-time
- Annual Mock drill



**Thank You**