



Converting Cyclone Evacuation Plan to Tsunami Evacuation plan

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Odisha: India's most disaster prone State

Cyclone Vulnerability

1999 – Super Cyclone

2013 – Cyclone Phailin

2014 – Cyclone Hudhud

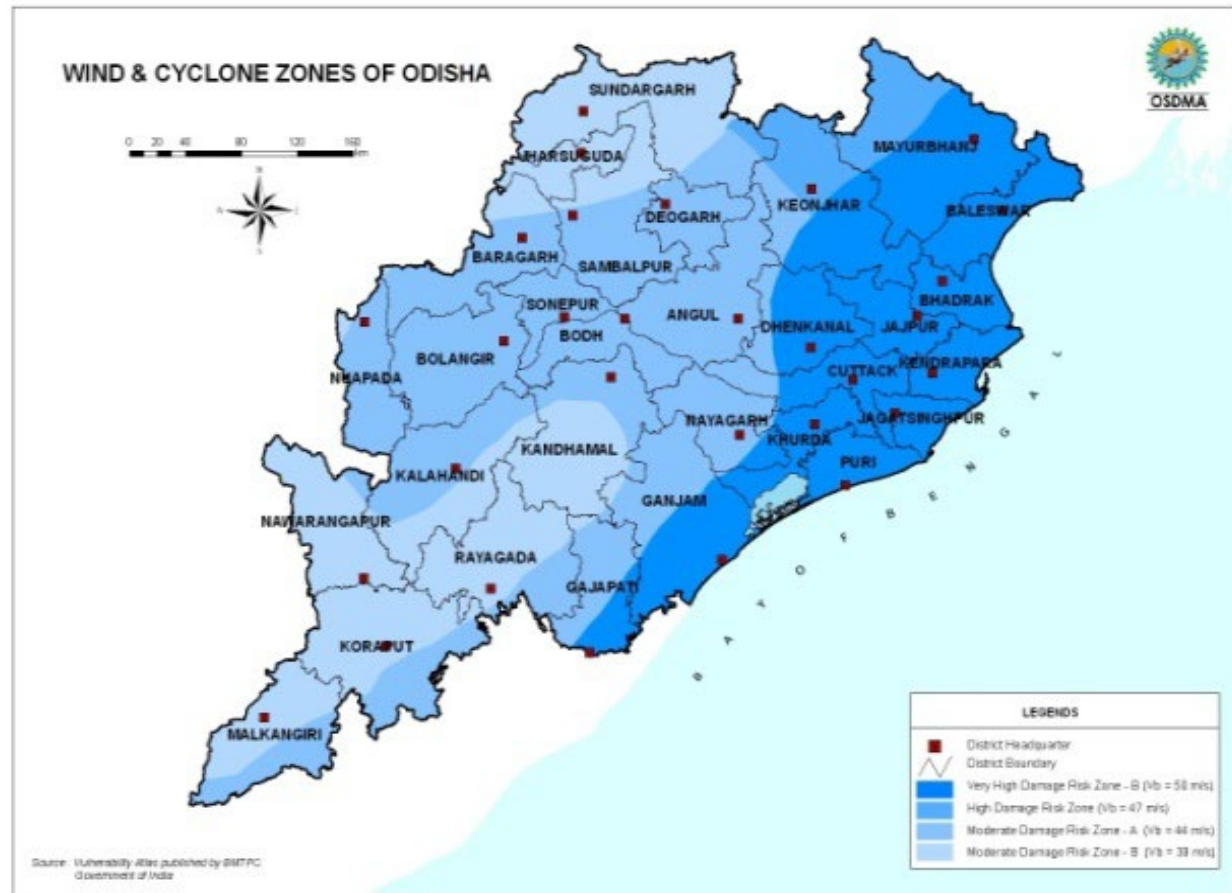
2018 – Cyclone Titli

2019 – Cyclone Fani and
Bulbul

2020 – Cyclone Amphan

2021 – Cyclone Yaas,
Gulab & Jawad

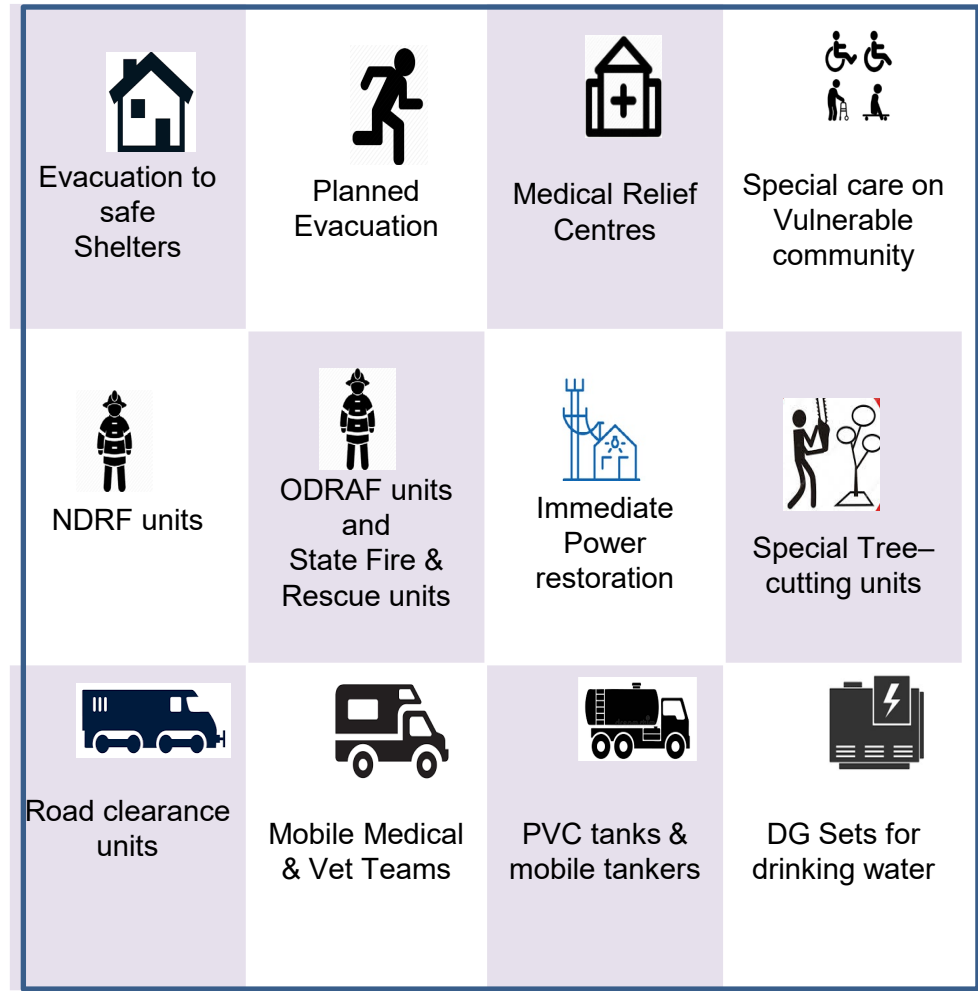
2022 – Cyclone Asani



Cyclones in Odisha increasing in frequency and intensity. 7 Cyclones in the last 3 years

Cyclone Management : Odisha Way

- Robust DM Institutional mechanism
- **Blanket & Targeted evacuation**
- 880 multi-disaster resilient MCS/MFS
- Technology centric warning dissemination
- Advanced planning for restoration
- Pre-positioning of men, machine and material
- Organized PRIs and empowered SHGs
- Trained & resilient community



Evacuation During Fani Cyclone– Every Life Counts Approach



24 hours

15.5 Lakh people

25,000 Tourists

Highest ever
evacuation

Special Care For Vulnerable Section



PREGNANT WOMEN



**ALL POSSIBLE
HOMELESS PEOPLE**



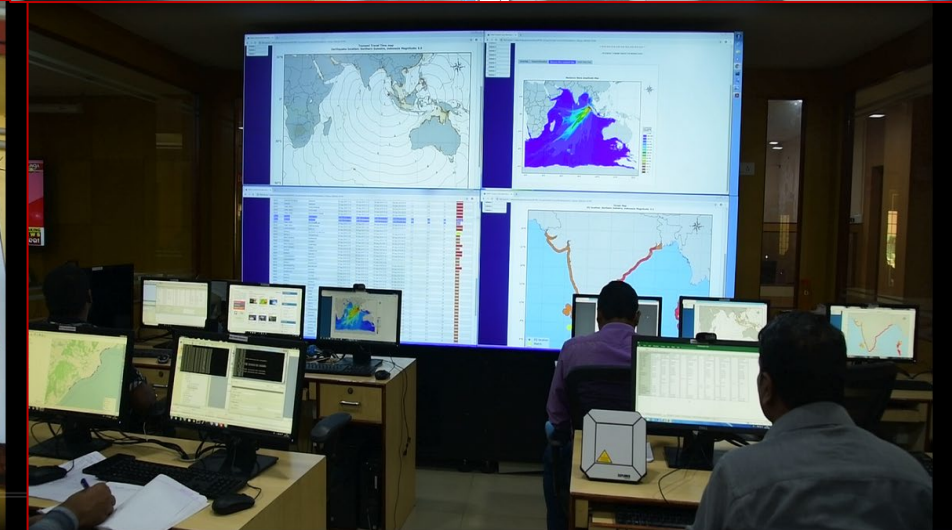
SPECIALLY ABLED OLD

CYCLONE SHELTERS

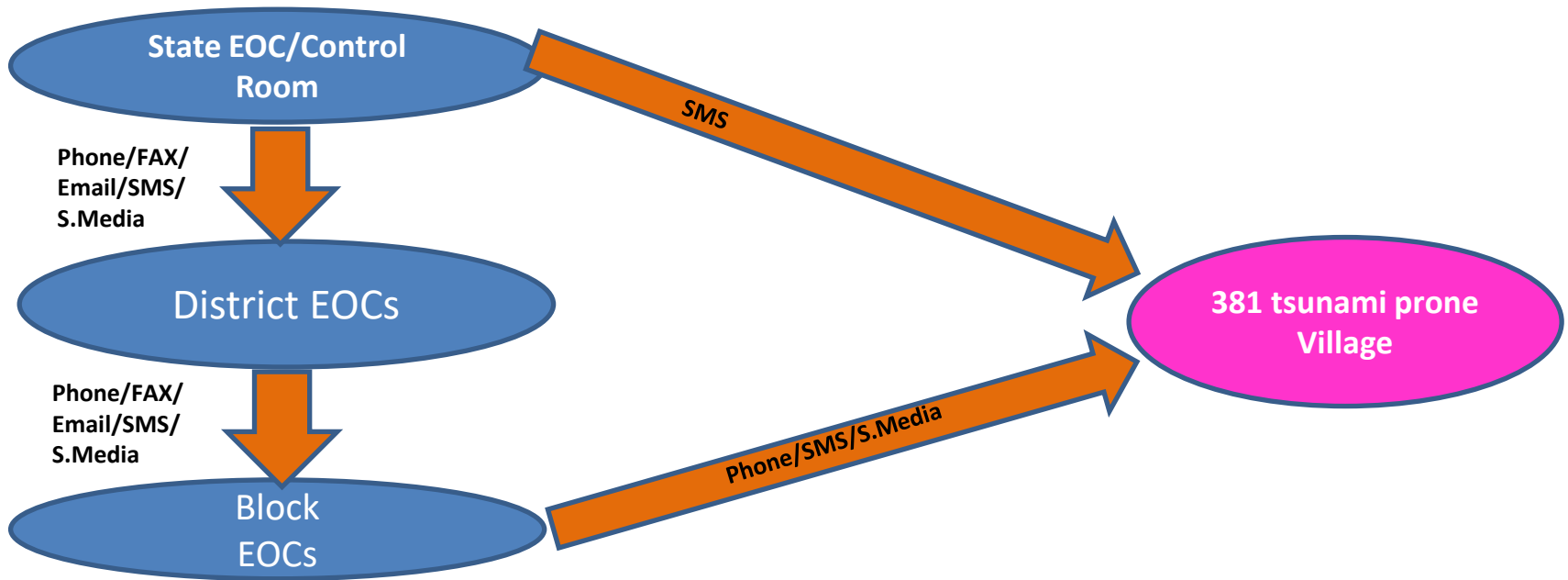


- Separate halls & toilet facilities for men and women
- Ramp for differentially-abled persons,
- Sick Room
- Free kitchen and cook food being provided at the shelter
- 34 types emergency equipment provided

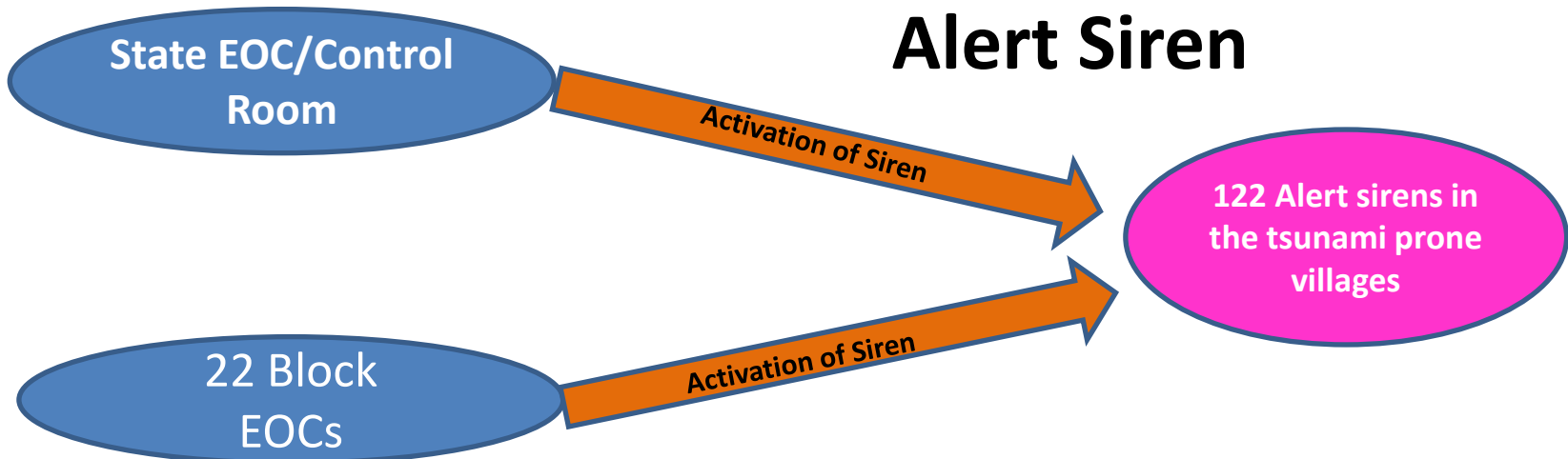
Emergency Operation Centre-24 X 7 warning point



Parallel Warning Dissemination



Alert Siren



Vulnerable Population

List is with PRIs/AWWs/WSHG/Community Volunteers

Abstract

Sl No.	Details	No. of HH	No. of Persons
1.	HH (Total)	1229	4992
2.	HH Living within a distance of 500 mtr from the the sea	320	1022
3.	HH Living within a distance of 1000 mtr from the the sea	748	3527
4.	HH Living within a distance of 1500 mtr from the the sea	1229	4992
5.	HH with poorly constructed houses (Dilapidated House)	25	123
6	Old aged population	680	750
7	Women headed house (Widow)	03	03
8	Physically challenged person	11	11
9	Pregnant women/ lactating Mothers	36	36
10	Destitute		
11	Children below (0-6 yrs)	134	245
12	Sick and Ailing	2	2
13.	Those who are dependent on specific medication for survival	2	2

List of PWDs

Sl.No.	Name of the PWD	Sex	Age
1.	B. Gouri	F	25
2.	K. Kiran	F	30
3.	K. Gaja raju	M	23
4.	A. Ravi	M	50
5.	K. Gureya	M	45
6.	M. Satyama	F	60
7.	L.Ludhiya	F	11
8.	L.Timothy	M	37
9.	Ch. Lachhimi	F	25
10.	D. Guramma	F	45
11.	B. Esu	M	30

List Pregnant / Lactecting Womens

Sl.No.	Name of the Prengent/Lactcting women	Sex	Age
1.	A. Puspa	F	25
2.	D. mahalaxmi	F	21
3.	D. Janaki	F	25
4.	G. Kali	F	20
5.	Tabassum Begam	F	23
6.	M. Lachhimi	F	23
7.	M. Urbasi	F	25
8.	D. Papama	F	25
9.	N. Allama	F	20

List of Single Womens

Sl.No.	Name of the Single women / Women headed house	Sex	Age
1.	P. Subhadra	F	40
2.	K. Kaliama	F	50
3.	N. Kaliama	F	40

Trained Task Force Teams

Search & Rescue

Sl No.	Name of the Members	Sex	Age	Contact No.
1.	U. Simanchalam	M	35	9040303800
2.	K. Prasad	M	24	8917303139
3.	Prakash Nayak	M	25	9040357744
4.	K. Janakamma	F	22	7978156646
5.	R. Mahalaxmi	F	29	7789975882

Damage Assessment

Sl No.	Name of the Members	Sex	Age	Contact No.
1.	S. Sujata	F	35	8989636961
2.	K. Nela	F	22	7978156646
3.	Debaraj Nayak	M	25	9776296571
4.	Siba Nayak	M	23	9438865791
5.	Deepak nayak	M	19	9438865791

Water & Sanitation

Sl No.	Name of the Members	Sex	Age	Contact No.
1.	Lokeswari Sahu	F	30	7377714629
2.	P. Laxmikanta	F	33	9337712145
3.	S. Mohan	M	25	8917424874
4.	B. Ananda	M	23	9379872900
5.	M.Basudev	M	22	7205300627

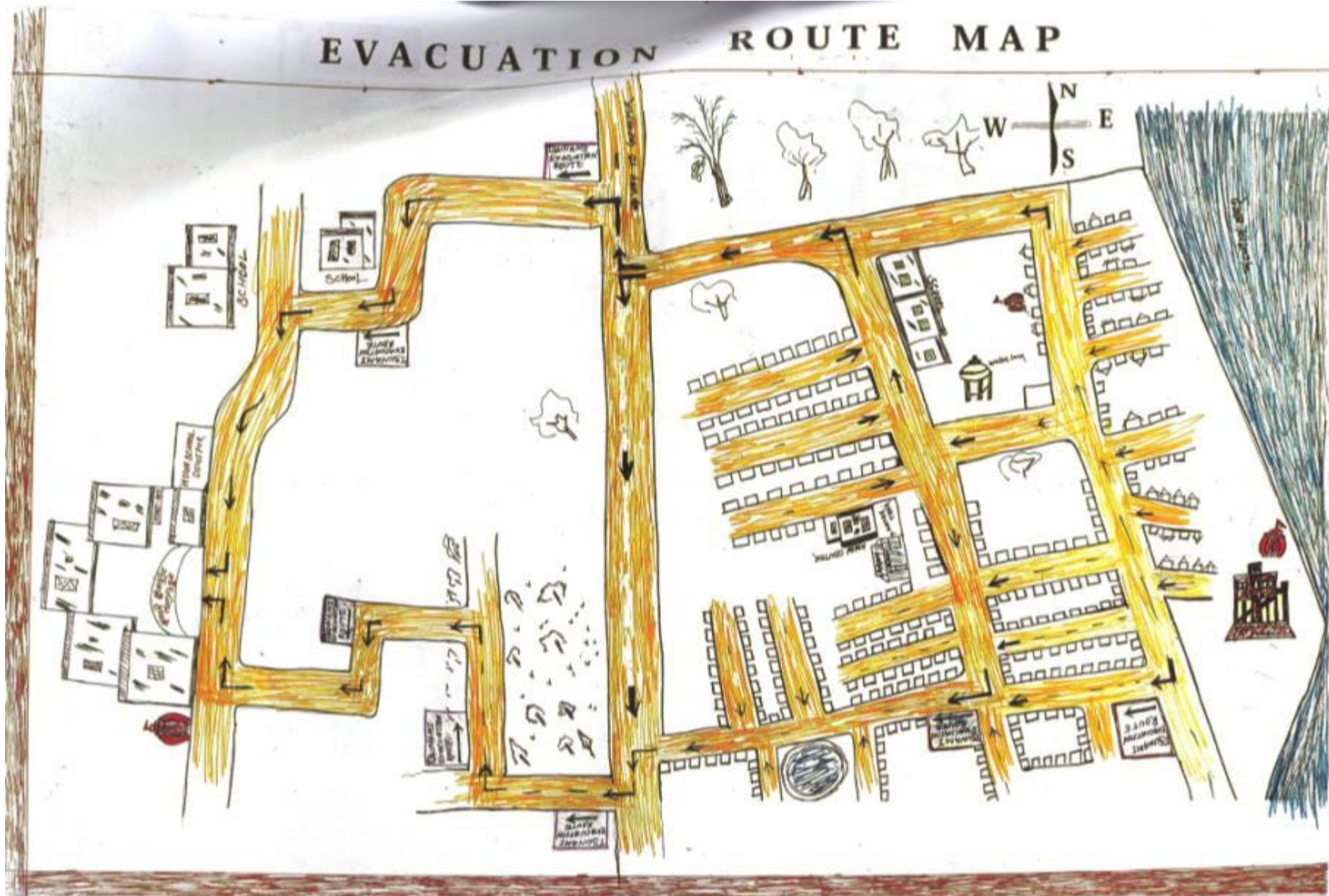
- 9 Community level Task Force Team

1. Early Warning Dissemination
2. Evacuation, Search & Rescue
3. Medical & First Aid
4. Shelter Management
5. Water & Sanitation
6. Relief & Coordination
7. Carcasses Disposal
8. Trauma Counselling
9. Damage & Loss Assessment

- 50 Shelter Level Volunteers
- 400 Existing Aapda Mitra
- 4400 Aapda Mitra are under training

Tsunami Evacuation Plan

EVACUATION ROUTE MAP



Safe Shelter

- Away from tsunami hazard zone
- All weather approach road
- Evacuation route signage to the shelter
- Readiness in all times
- Community ownership



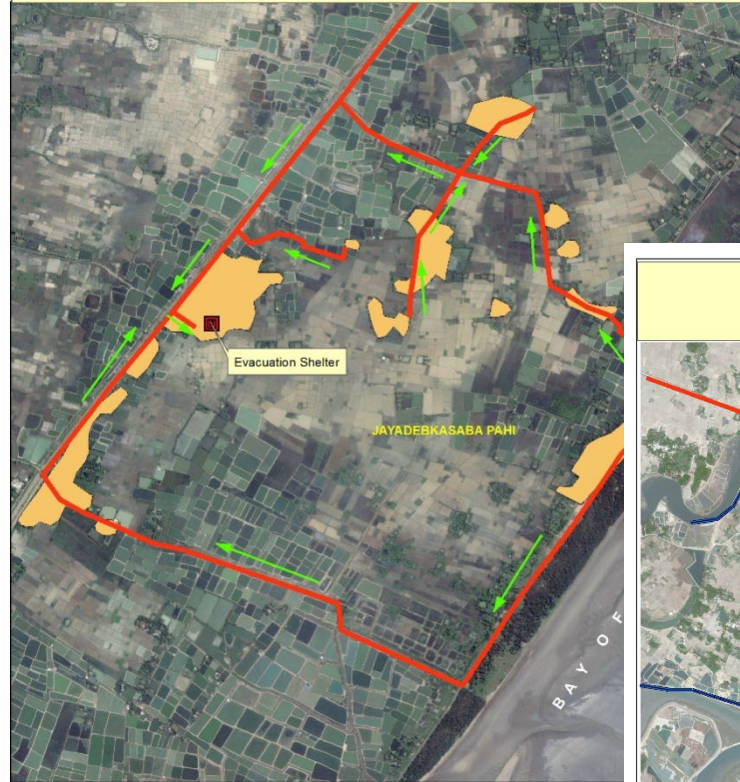
TSUNAMI EVACUATION MAP VENKATRAIPUR & NEWBOXIPALLI



- N
- EVACUATION ROUTE
- EVACUATION DIRECTION
- EVACUATION SHELTER
- VILLAGE SETTLEMENT

Tsunami evacuation maps

TSUNAMI EVACUATION MAP JAYADEVKASABAPAHU VILLAGE



- N
- EVACUATION ROUTE
- EVACUATION DIRECTION
- EVACUATION SHELTER
- VILLAGE SETTLEMENT

TSUNAMI EVACUATION MAP KEUTAJANGA VILLAGE



- N
- EVACUATION ROUTE
- EVACUATION DIRECTION
- RIVER EMBANKMENT
- VILLAGE SETTLEMENT



In Case of Tsunami



Notice any strange behavior in animals



Move quickly to higher ground or inland



Act fast when warning is issued



Grab a tree



Take first aid kits



Keep your mobile phone

Do's and Dont's in case of a Tsunami

Do's

- Move to higher grounds and elevated areas
- Move to upper levels of a high multi-storey concrete building
- Move uplands as far as you can
- Be prepare to survive on your own
- Prepare an emergency kit with basic necessities
- Stay tuned to your national radio or TV once in safety
- Bulletins will be issued regularly to keep you update
- Listen to the radio for an official "all clear" notice before returning to the coastal area
- Keep members of the family aware of dangers associated with a tsunami

Dont's

- Never go to the coast to watch a tsunami
- A tsunami moves faster than a person can run
- Do not return to the beach until Emergency Officials give the "Termination Bulletin"

Evacuation

- Early Warning dissemination at community by local volunteers



Evacuation Strategies

- Door to door alert and ensuring 100% evacuation



Evacuation Strategies

- Follow safe route
- Care to vulnerable community



Evacuation Strategies

- Gathering at common place



Evacuation

- Management at shelters
- Food arrangement
- Deployment of Health team



Tsunami Mock Drill – Testing Evacuation Strategy

- Test message from INCOIS to SEOC
- Transmission from SEOC to
 - Communities /DMTs
 - Sub-district offices
 - DEOC
- Task force teams to most vulnerable household
- Assembling of people
- Evacuation to tsunami shelter through designated route
- Shelter management
- Debriefing



THANK YOU