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IOWave25

5.a. India report from national workshop

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National Workshop on Tsunami SOPs

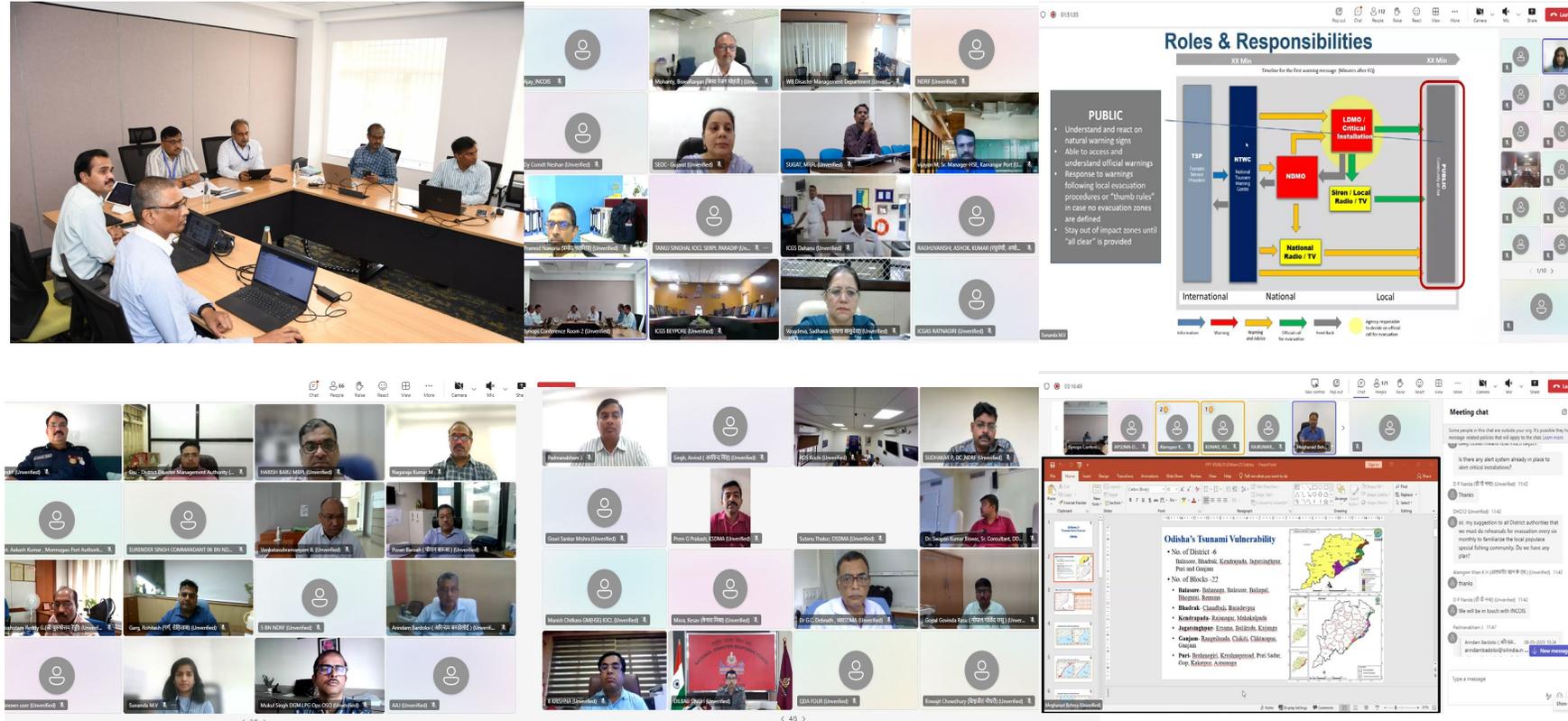
- **INCOIS conducted national level workshop on 05 August 2025 (online)**
Over 120 participants from National/state/district disaster management agencies, Indian Coast Guard, Navy, NDRF, ports, shipping, oil & gas, and other key sectors were joined in the online workshop.

Day-2, Tuesday, 5 August 2025 (09:30 – 14:00 IST) – Country level Workshop

National Level Workshop with Coastal States/UTs

Meeting Link (MS Teams): [Join the meeting now](#) (Meeting ID: 456 149 005 443 7 ; Passcode: N4Z5TD7a)

Start IST	End IST	Topic
4. National Coordination Meeting on Warning Chain and SOP		
09:30	10:00	a. Opening and Introduction i. Welcome Remark by Dr. Sudheer Joseph, GD-OMARS (i/c) ii. Remarks by Shri. E. Pattabhi Ramarao, Chair-IOTWMS iii. Keynote address by Dr. Balakrishnan Nair, Director, INCOIS
10:00	10:20	b. Presentation on Indian Tsunami Early Warning System by Dr. Ch. Patanjali Kumar
10:20	10:40	c. Tsunami Warning Chain from NTWC to community by Ms. M.V. Sunanda
10:40	11:00	d. ITEWC SOP, Bulletin Types, Products and Dissemination by Shri. J. Padmanabham
11:00	11:20	Break
Session Moderator – Shri. M. Nagaraja Kumar, DH, OOS		
11:20	12:10	e. National/State Disaster Management Organizations (DMOs) SOP by DMOs
12:10	12:30	f. Implementation of Tsunami Ready Recognition Programme by Dr. B. Ajay Kumar
12:30	12:50	g. Status of Tsunami Ready Implementation in coastal States/UTs
12:50	13:10	h. Lessons learnt from the past tsunami exercises and IOWave25 Exercise Scenarios and participation by Dr. B. Ajay Kumar
13:10	13:30	i. Discussion on involvement of IOWave25 exercise, level of participation and way forward
13:30	14:00	j. Preparation for report back to the Workshop on Day-3 k. End of Day-2



India Tsunami Warning Chain with SOP Status



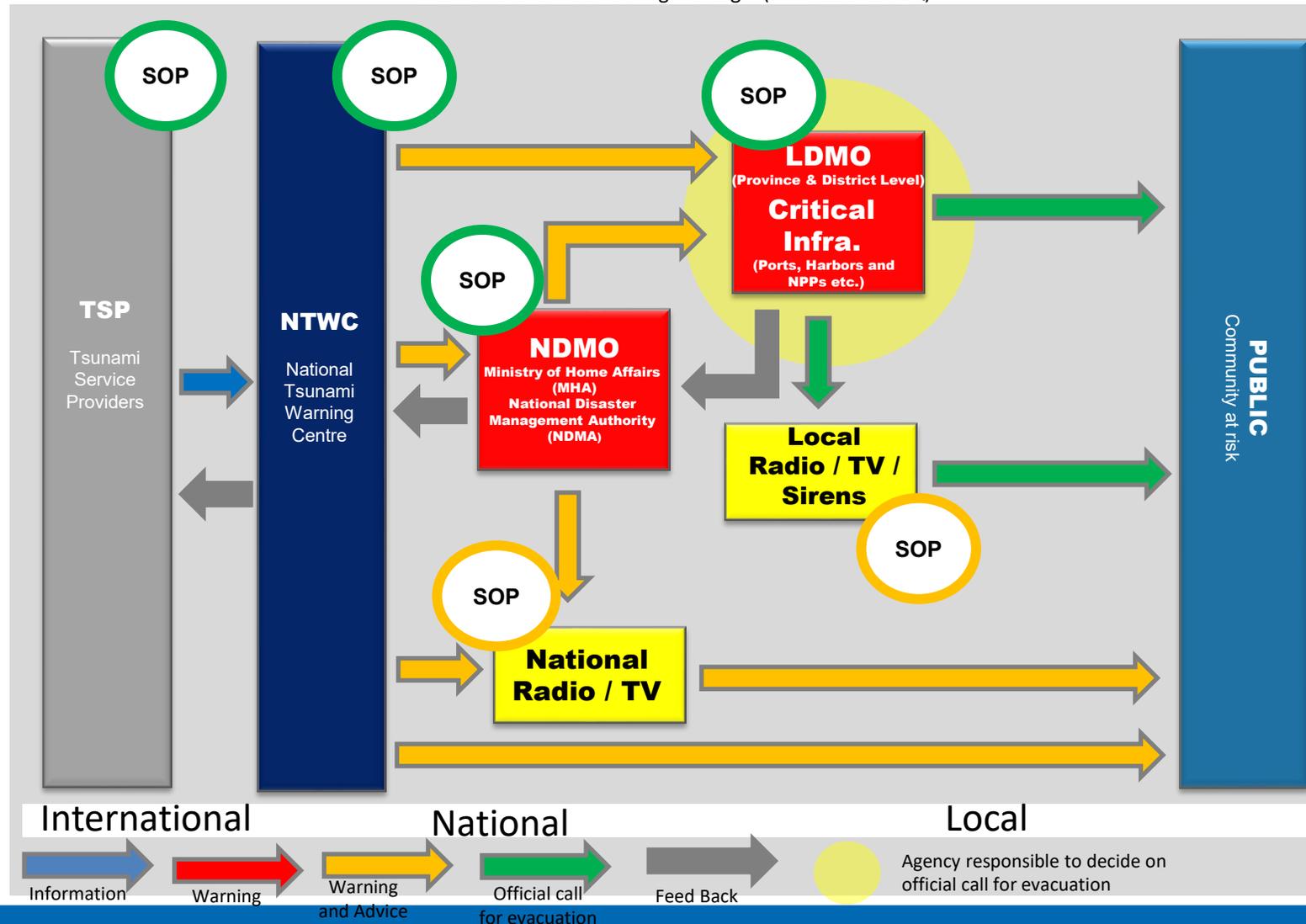
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10 Min

20 Min

Timeline for the first warning message (Minutes after EQ)



INDIA

05/08/2025

Pre-IOWave25 Workshops on Standard Operating Procedures for NTWCs and DMOs
Hybrid – August 2025



Tsunami Ready implementation Progress



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Andaman & Nicobar

A & N Islands initiating in Car Nicobar area. During tsunami mock drill, it was informed, Mayabunder & Aerial Bay - N & M Andaman; and Mithakhari & Spippighat – South Andaman

West Bengal

West Bengal identified 2 villages: i) Baguram Jalpai-Purbamedinipur & Lakshmipur – South 24 Pdns Districts

Odisha

OSDMA further implementing about 60 villages in 6 coastal districts of Odisha

Andhra Pradesh

APSDMA, Andhra Pradesh identified Nachugunta in Krishna District. However, during recent mock drill they informed 6 villages from 3 coastal districts (Nellore, Tirupathi & Vizag)

Tamil Nadu

TNDRRA, Tamil Nadu identified 2 villages

1. Vanagiri - Mayiladuthurai District
2. Velankanni – Nagapattinam District

Puducherry

PSDMA, Puducherry identified 2 villages:

1. Veerampattinam- Puducherry District
2. Kottucherryedu – Karaikal District

Kerala

KSDMA initiated 9 villages in 9 coastal districts:

1. Karumkulam – Thiruvananthapuram district
2. Alappad - Kollam district
3. Purakkad - Alappuzha district
4. Edavanakkad - Ernakulam district
5. Eriyad - Thrissur district
6. Valiyaparamba - Kasaragod district
7. Chemancherry - Kozhikode district
8. Azhikode – Kannur district
9. Valiyaparamba – Kasargod district

Goa

Goa identified 2 villages.

1. Nagarcem, Palolem – South Goa district
2. Morjim – North Goa district

Dadra and Nagar Haveli and Daman and Diu

Daman & Diu identified 2 villages.

1. Marwad– Daman district
2. Kadaiya – Daman district

Gujarat

GSDMA, Gujarat initiated 2 villages.

1. Okha – Devbhumi Dwarka district
2. Pingleshwar - Kutch district

Issues Identified and related discussions



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- Coastal Forecast Zones need to be revised for a few States/UTs to update zone names and ensure all missing areas are accurately covered.
- INCOIS has provided tsunami inundation maps for a few coastal states; however, comprehensive, high-resolution coverage is needed for all coastal states.
- Develop and enhance SOPs for offshore platforms and related industries.
- SOPs to be prepared/enhanced for critical infrastructures.
- Tsunami bulletins should be simplified and made more user-friendly
- Develop sound-based and mobile alert systems for timely warnings during critical situations
- Contact details of DMOs and all relevant stakeholders should be regularly updated and communicated to ITEWC
- Regular capacity-building activities, communication tests, and mock drills are essential for tsunamis

IOWave25 Exercise Participation

- West Coast of India

West coast of India and Lakshadweep Islands will participate in the tsunami exercise on 15 October 2025

Scenario- Makran Region

Date: 15 October 2025 (Wednesday)

Time: 11:30 IST (6:00 UTC)

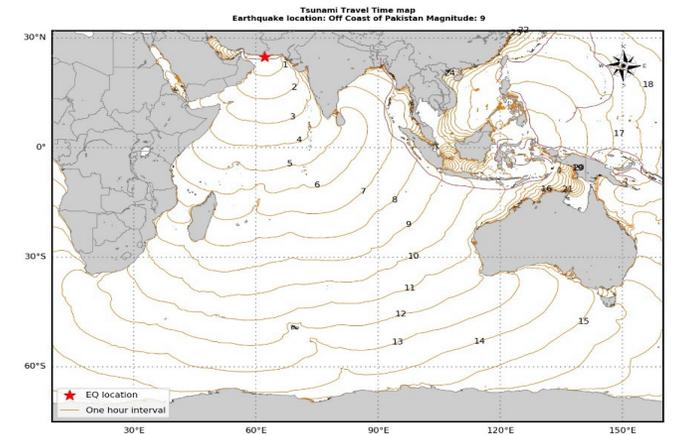
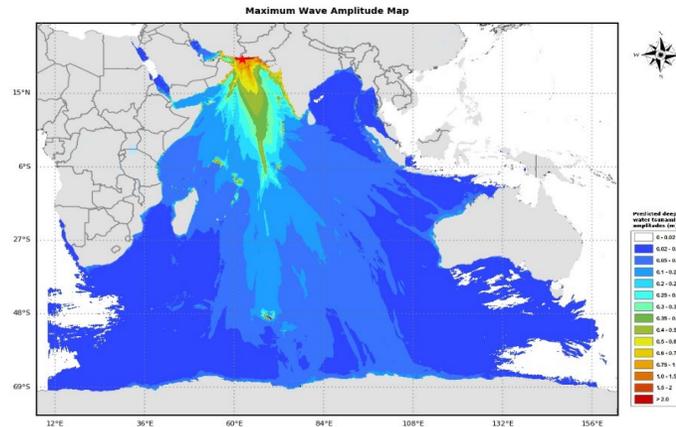
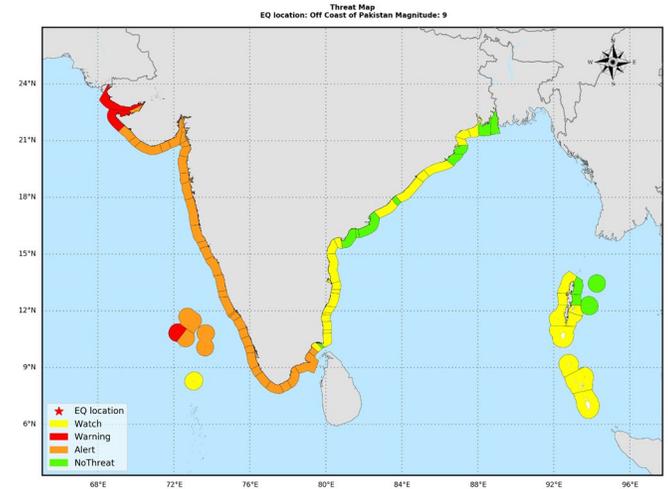
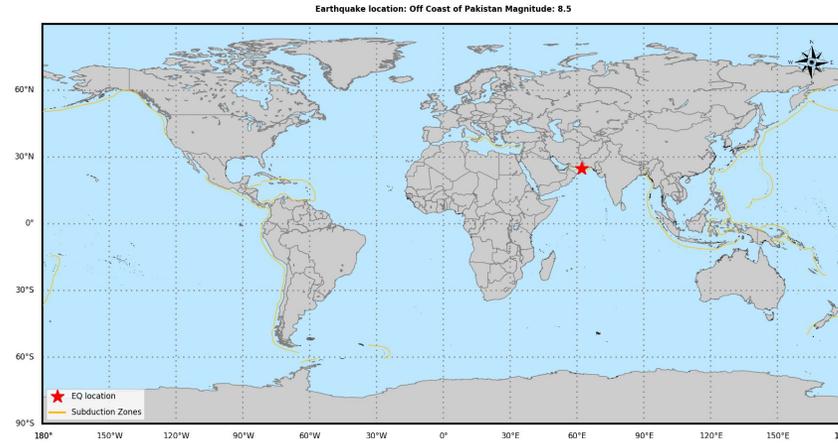
Magnitude: 9.0 Mw

Depth : 10 km

Latitude : 24.80 N

Longitude : 62.20 E

Region: Off Coast of Pakistan



IOWave25 Exercise Participation



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- East Coast of India

East coast of India and Andaman & Nicobar Islands will participate in the tsunami exercise on 05 November 2025

Scenario- Sumatra Trench

Date: 05 November 2025 (Wednesday)

Time: 8:30 IST (3:00 UTC)

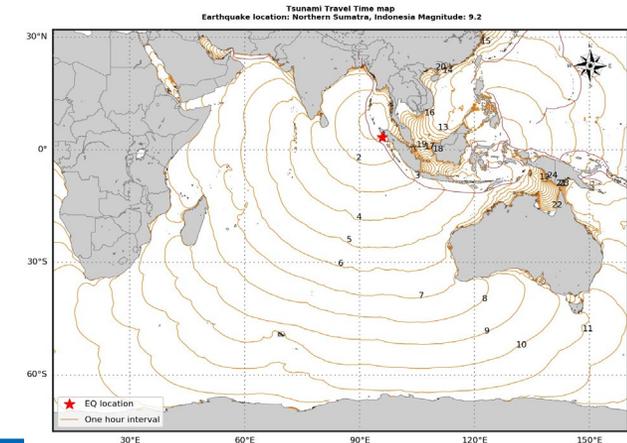
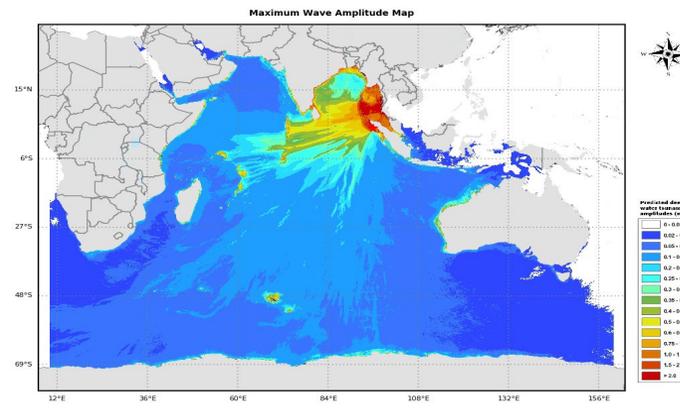
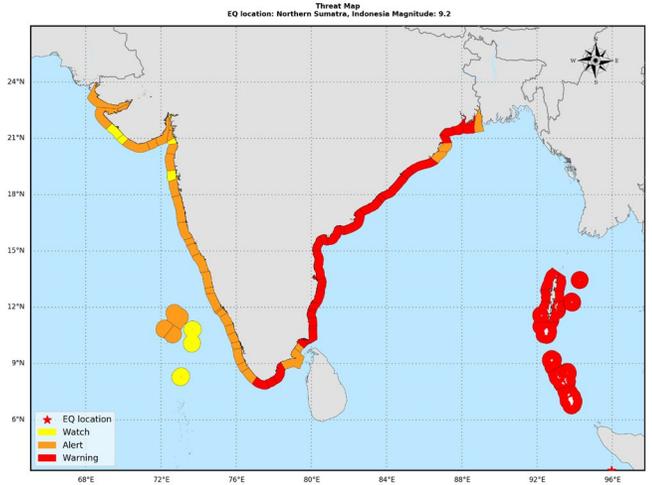
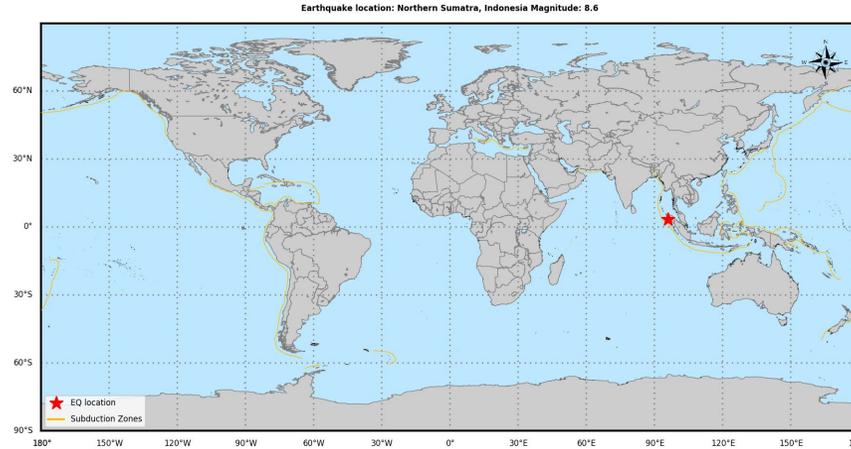
Magnitude: 9.2 Mw

Depth : 10 km

Latitude : 3.30 N

Longitude : 95.96 E

Region: Northern Sumatra, Indonesia



Pre-IOWave25 Workshops on Standard Operating Procedures for NTWCs and DMOs
Hybrid – August 2025

IOWave25 Exercise Plans

- India will participate in two scenarios of the IOWave25 exercise.
- On 15 October 2025, west coast of India will participate and on 05 November 2025, east coast of India will participate.
- A National Exercise Manual will be prepared and shared with national participants.
- INCOIS is planning to conduct two conclaves in coordination with NDMA on 29 August 2025 at Chennai (for east coast of India) and on 12 September 2025 at Goa (for west coast of India)
- Community level participation (Level-II) will be conducted in tsunami ready programme implementing villages
- In addition to disaster management authorities; stakeholders from Ports & harbors, shipping, Indian Coast Guard, Indian Navy, NDRF, oil & natural gas, critical installations sectors will participate in the exercise.



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THANK YOU



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