

of IMS Data for the Tsunami Warning Centre in Bangladesh

Wednesday, 21 June 2023 14:00 (15 minutes)

The geographical location of Bangladesh is at the northern most part of the Bay of Bengal having a funnel shaped ending at the southern coast. Tectonically, the region is at the junction of the Indian and the Eurasian plate making an active tectonic zone of the world. Therefore, possibility of earthquake in the ocean is likely to occur in any place of the region that can result to tsunami at the area. Bangladesh is hosting an International Monitoring System (IMS) station (AS007, BRDH) and a National Data Center (NDC-BD) since 2011, and hence invited to establish a Tsunami Warning Agreement (TWA) with the CTBTO, thus benefiting from relevant IMS data to reinforce and complement early tsunami warning system. However, only the TWCs recognized by the Intergovernmental Oceanographic Commission (IOC) of UNESCO are eligible to enter into such TWA with the CTBTO. Bangladesh Meteorological Department (BMD) is recognized by IOC-UNESCO for issuing tsunami warning information in the country. Therefore, the NDC-BD has the opportunity to initiate the proposal to establish a CTBT-TWC in Bangladesh with the technical collaboration with BMD, where present NDC-BD users will be able to utilize the TWC data for scientific analysis and interpretation.

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Promotional text

The necessity of installation of a Tsunami Warning Centre in Bangladesh

Oral preference format

in-person

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Session Classification: O5.2 Synergies with Global Challenges

Track Classification: Theme 5. CTBT in a Global Context: T5.2 Synergies with Global Challenges