

आजादी का अमृत महोत्सव (India@75) कार्यक्रम के दौरान दिनांक 03.12.2021 को केन्द्रीय मृदा एवं सामग्री अनुसंधानशाला में "प्राकृतिक आपदाओं का प्रबंधन" के विषय पर श्री उदय भानु चक्रवर्ती, वैज्ञानिक 'बी' द्वारा ऑनलाइन भाषण दिया गया। [#आजादीकाअमृतमहोत्सव](#)

Global Major Disasters in last two decades

The three worst global disasters in the last two decades were as follows:

- 2004 Indian Ocean tsunami, (took 2.26 lakh lives)
- 2010 Haiti earthquake, (took 2.23 lakh lives)
- 2008 Cyclone Nargis in Myanmar, (took 1.38 lakh lives)

India is highly vulnerable to natural disasters especially cyclones, earthquakes, floods, landslides, and drought. Natural disasters cause a loss of 2% of GDP every year in India.

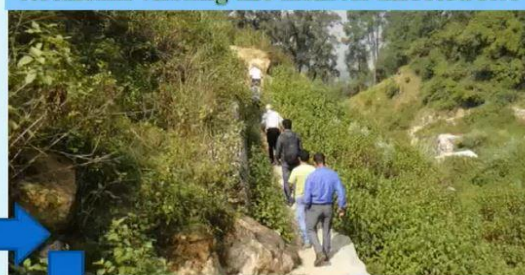
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Rehabilitation – Uttarakhand Schools

Disaster struck school



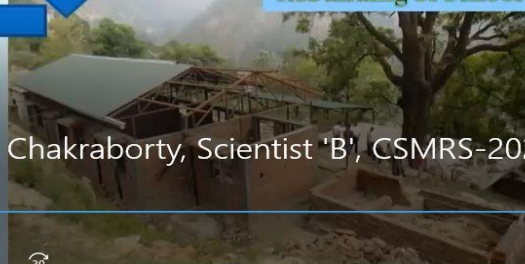
Rotarians visiting the disaster affected site



New School built



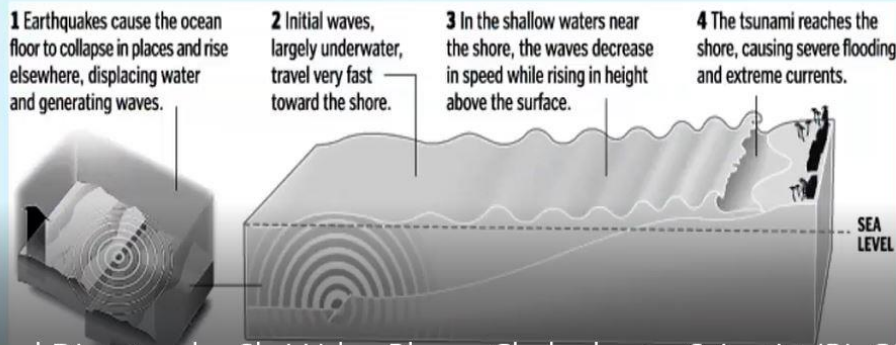
Rebuilding of School



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Tsunami

EQ in ocean produce long sea waves that travel at high speed. Near shore, decreasing water depth reduces their speed & causes increase in height. Near shore, a nearly vertical wall of water rushes far inland & cause damage.



SOURCES: Staff reports, Associated Press

ILLUSTRATION BY THE ASSOCIATED PRESS; GRAPHIC BY THE WASHINGTON POST

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NH



VK

DY

N. P. Honkanadavar

Uday Bhanu Chakraborty



VIMAL KUMAR

Dr R P Yadav

Types of Disaster in India (From 1980 – 2019)

Type of Disaster	No. of times occurred	Lives affected / lost
Major Floods	21 times	More than 17 crore lives affected
Earthquake	3 times	More than 45,000 lives lost
Drought	4 times	More than 4 crore lives affected
Epidemic	3 times	More than 10,000 lives lost
Cyclone	10 times	More than 10,500 lives lost & 50 lakh lives affected
Tsunami	1 time	More than 10,000 lives lost

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