

3rd Huangshan Dialogue on UNESCO Designated Sites and Sustainable Development

Disaster Risk Assessment and Mitigation for WHS & Heritage Settlements in Nepal

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Technology-Nepal World Heritage Sites in Nepal

- The Kathmandu Valley World Heritage site (KVWH) was included on the prestigious World Heritage List in 1979.
- Besides Kathmandu Valley, there are three other Nepalese sites Inscribed on the list;
- LumbinI, the Birthplace of Lord Buddha, and two natural parks: Sagarmatha and Royal Chitwan.





Technology-Nepal World Heritage Sites in Nepal

The Kathmandu Valley World Heritage site (KVWH) consists of

- the three town centres of the erstwhile royal cities of Kathmandu, Patan and Bhaktapur;
- Buddhist monument sites of Swoyambhu, Boudha,
- and two major Hindu sites of Pashupatinath and Changu





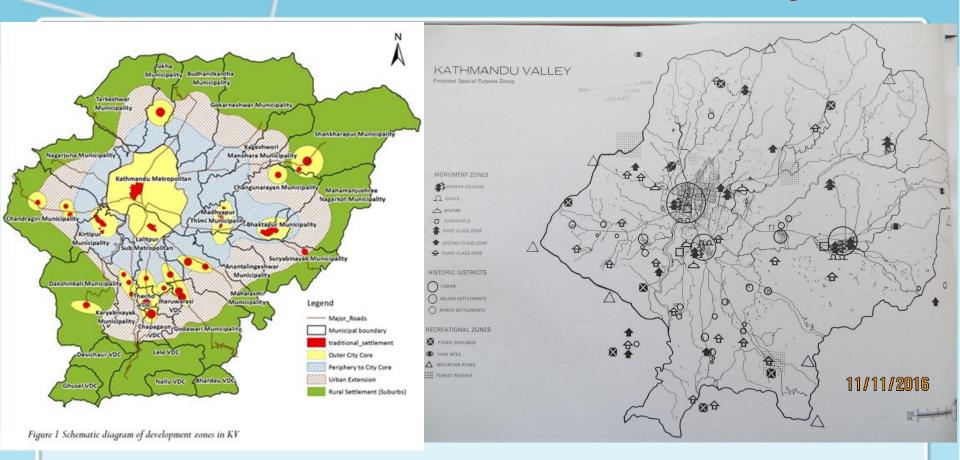
Heritage Settlements and Cultural sites

- There are approximately 1052 heritage settlements and cultural sites in Nepal that are classified as being of national, regional and local importance. (source : DoA, GoN)
- In Nepal, tangible cultural heritage is inextricably associated with a living culture of daily worship and ancient festivals.
- Cultural sites are where people come to pray daily, interact socially, celebrate, and find solace.





Heritage Settlements (Districts) in Kathmandu Valley



11/2/2018

Earthquake Safe Communities in Nepal by 2020

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Nepal is considered to be

- one of the most disaster-prone countries in the South Asian region.
- 11th most at Earthquake risk country in the world. (Source: UNDP/BCPR)
- One of the global hotspots for natural disasters. (Source:WB Report 2005)
- Approximately every 75 years, Kathmandu has been hit by an earthquake of magnitude 8.0. (Source:WB Report 2005)



National Society for Earthquake the aftermath of the 2015 earthquake,

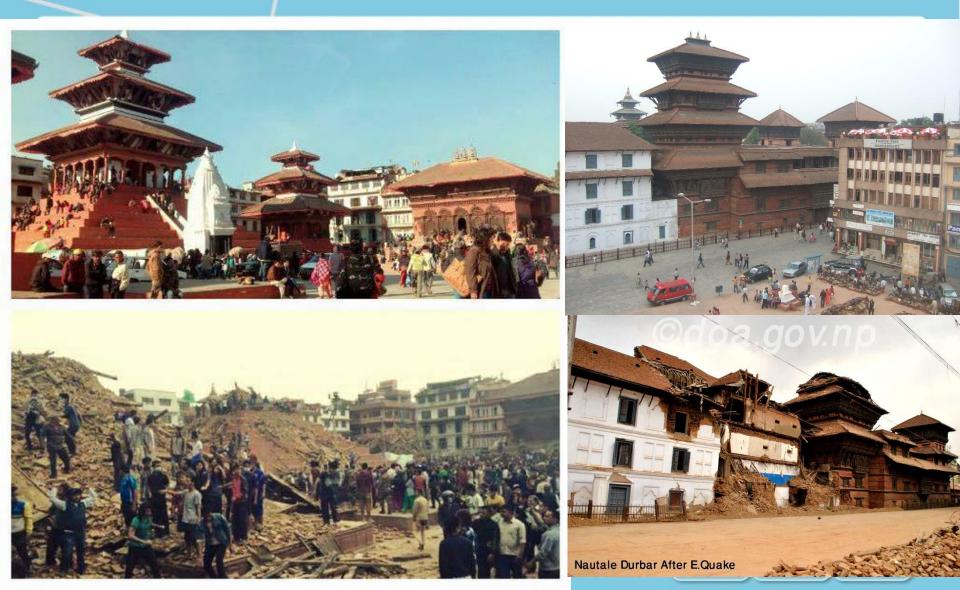
Nepal was hit by M7.8 Gorkha Earthquake on 25th April 2015.

Centuries-old buildings listed in UNESCO World heritage sites and many more archeologically important sites were destroyed.

The earthquake affected about 2,900 structures with a cultural and religious heritage value.(source:PDNA 2015)

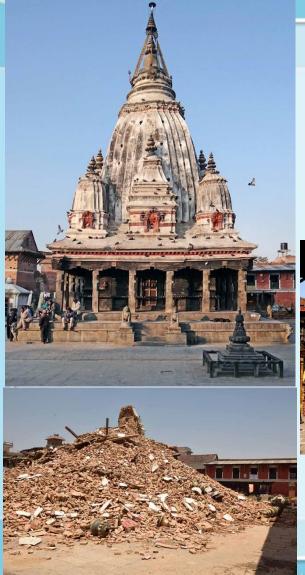


In the aftermath of the 2015 earthquake,



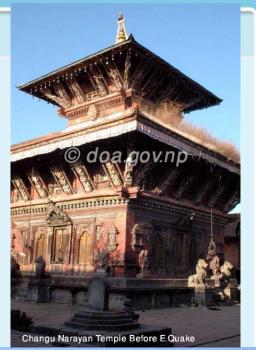


In the aftermath of the 2015 earthquake,











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In the aftermath of the 2015 earthquake





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In the aftermath of the 2015 earthquake,

Hari Shankar Temple Before E.Quake











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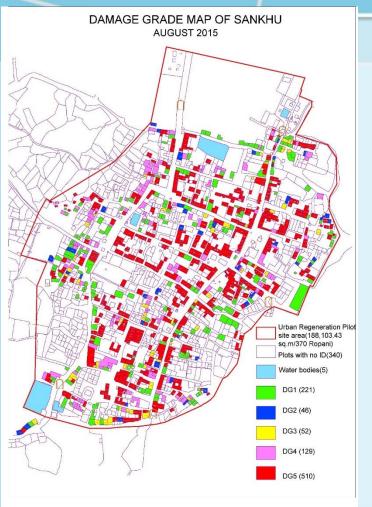


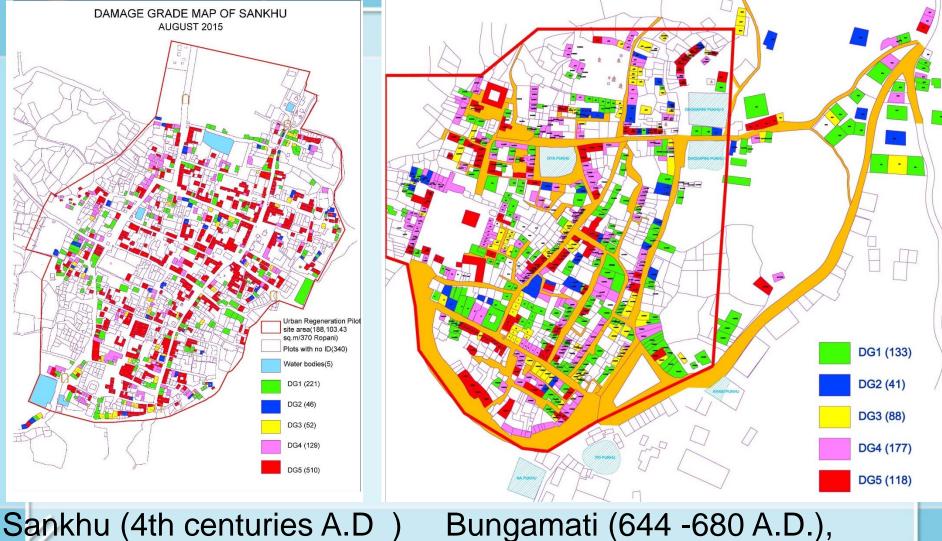
In the aftermath of the 2015 earthquake,

- Nepal suffered its worst loss of heritage since the earthquake of 1934.
- Major monuments in Kathmandu's seven World Heritage Monument Zones were severely damaged and many collapsed completely.
- Across the earthquake affected 94 municipalities 63 heritage settlements are also badly damaged.



Heritage settlements badly affected by 2015 EQ



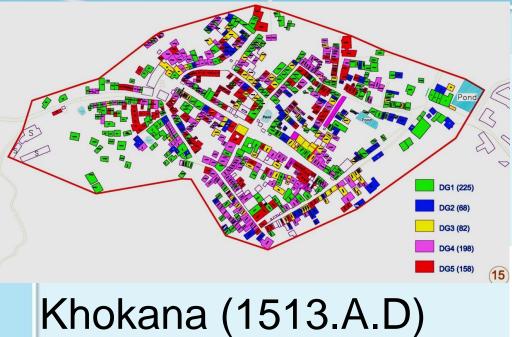


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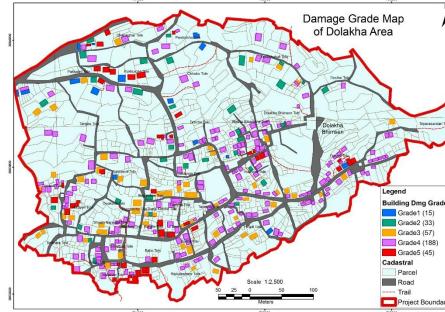
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Heritage settlements badly affected by 2015 EQ



Dolakha (*Kirati* and *Lichhavi* period, 4th centuries A.D &Before)



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Earthquake Safe Communities in Nepal by 2020



In the aftermath of the 2015 earthquake,

- In addition, in >20 districts, thousands of private residences built on traditional style, historic public buildings, ancient and recently built temples and monasteries, were affected by the disaster, 25 percent of which were destroyed completely.
- The total estimated damages to tangible heritage is NPR 16.9 billion (US\$ 169 million).





Post Disaster Reconstruction Framework



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Strategic Objective of the Post Disaster Reconstruction Framework

Strategic Objectives outlines plans for restoring monuments and urban heritage settlements, unsafe neighborhoods, and affected market towns, including:

- Improving access to planning and building skills
- Engaging small and medium sized businesses and cooperatives to increase investment in revival of urban areas





National Society for Earthquere Disaster Reconstruction Framework

- Strengthening effectiveness of municipalities and other stakeholders to plan and enforce safe and resilient rebuilding and expansion of settlements
- Advocating for comprehensive risk reduction and enforcing the safeguarding of public and open spaces for evacuation





Post Disaster Reconstruction Framework; Sector Plan

Regeneration of heritage settlements (including 52 in the Kathmandu Valley) :recovery in heritage settlements needs specific support and cannot take an approach focused on individual houses. Settlement planning is required accompanied by technical support for reconstruction that protects / promotes heritage building styles.

- Community grants for local infrastructure
- Rental housing for urban poor



NRA Progress as of September 2018

Reconstruction Target 753 monuments

Reconstruction Completed 190 monuments

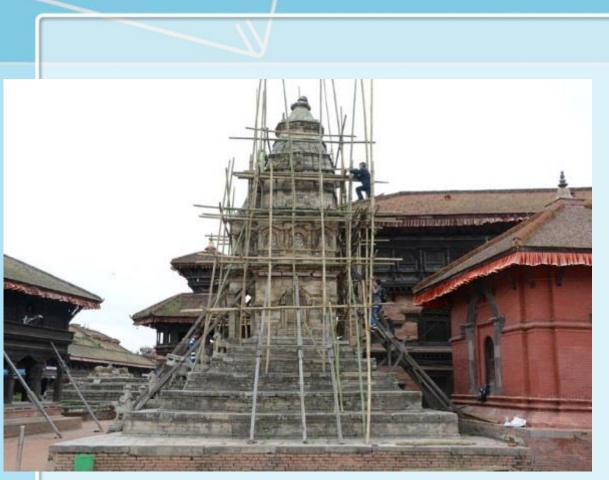
Under Reconstruction 329

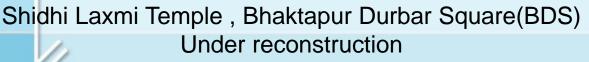


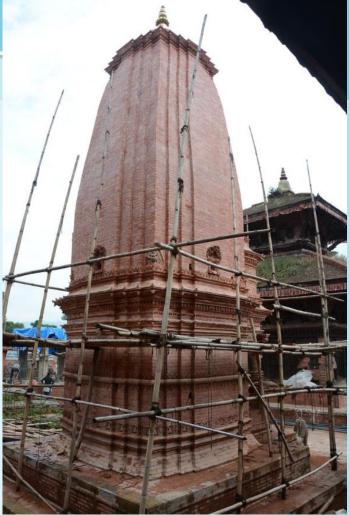
Kileswore Mahadev Temple











Badrinarayan Temple (BDS)

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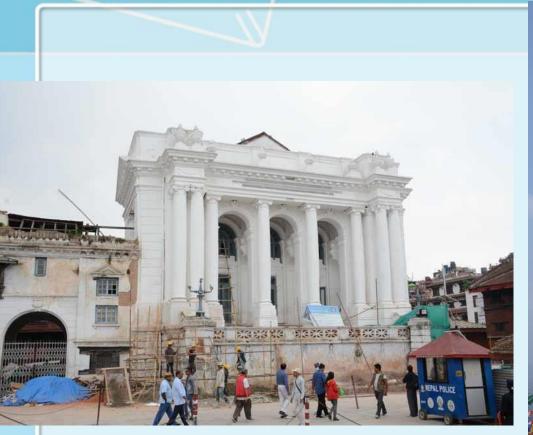
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National Society for Earthque Repair (NSET) Heritage Buildings Restored



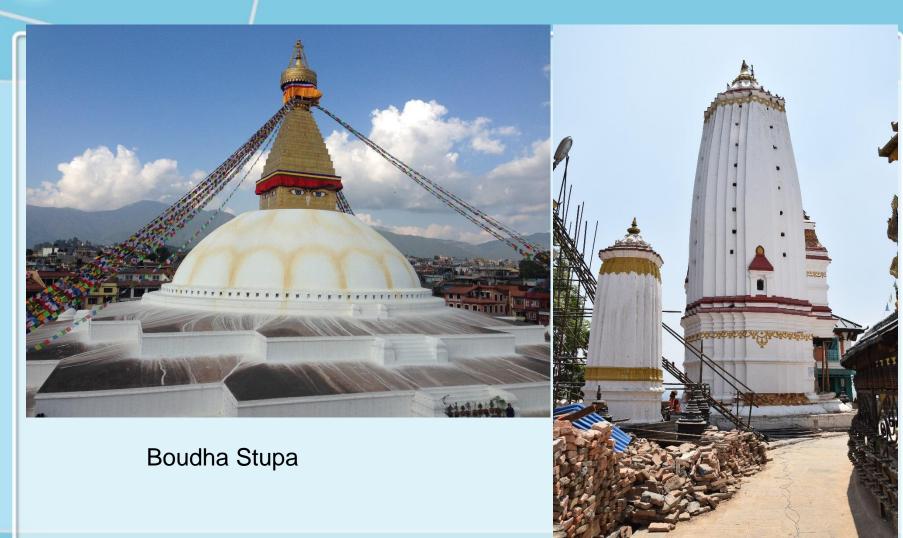
Reconstructed Gaddi Baithak Hanuman Dhoka Palace area



Anantapur, Swoyambhu



National Society for Earthquait Heritage Buildings Restored



Pratappur, Swoyambhu

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Thank you

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