THREE GREAT TSUNAMIS: LISBON (1755), SUMATRA–ANDAMAN (2004), AND JAPAN (2011). Harsh K. Gupta and Vineet K. Gahalaut, 2013, Springer, 89 pages

This book covers a clear and definitive analysis of deadly natural disaster “tsunami”. The 89 page volume includes chapters that address the tsunami generation, characteristics and its impact on coastal community and environment through exemplifying three great tsunamis. It starts with an informative introduction to tsunamis and takes us through the developments in detection, forecast and mitigation of tsunami and concludes by bringing forth the current status all over the world in this field.

Chapter 1 addresses in detail, tsunami generation and its characteristics. A list of major tsunamis is handy as quick look on tsunamis over centuries. The second chapter is an overview of the Lisbon earthquake of 1755 which was followed by a tsunami and fire, resulting in the near total destruction of Lisbon. The authors described captivately about earthquake and tsunami including interesting historical facts during and after the tsunami. The third chapter addresses the major devastating earthquake that generated the Indian Ocean tsunami. Detailed explanation regarding tectonics of the region, tsunami generation and observations at various

locations is remarkable. The photographs of post-tsunami stand out as witness to the vast damage caused by this tsunami. The next chapter is about March 2011 Japan tsunami, the unexpected event in the most prepared country. It has in-depth analysis of earthquake and tsunami in Tohoku-Oki region and brief summary of the after effects of tsunami including the nuclear disaster. The last Chapters 5 & 6 are about recent developments in tsunami warning system from the invaluable lessons that have been learnt from major tsunamis and bring forth where do we stand now with great improvements that have taken place globally.

This book is a very good attempt to bring forth generations of tsunami research and developments through the review of lessons learnt from affected regions globally.

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