



National Reconstruction Authority

Web based 'National Symposium on Nepal's Reconstruction (NSNR-2020)'

NSNR Programme – 24-27 August 2020

Day One: 24th August 2020

Time	Session	Papers	Facilitation
9:30 – 10:00	Opening Session / Review Session	<ul style="list-style-type: none"> • Welcome and objectives • Opening remarks 	Mr. Manohar Ghimire (2) Dr. Chandra B. Shrestha (10) Mr. R. K. Sapkota (8) Mr. Sushil Gyewali (10)
10:00 – 11:45	First Session	<p><u>Private Housing - Structural Engineering/Retrofitting</u></p> <ol style="list-style-type: none"> 1. Comparing Seismic Retrofitting Approaches of Traditional Stone Masonry in Mud mortar Buildings in Nepal (Liva Shrestha*, et al.) (10 min.) 2. Life-Cycle Analysis of Incremental Seismic Retrofitting of Traditional Constructions in Nepal (Dr. Nicola Giordano*, et al.) (10 min.) 3. Structural Safety of Masonry Infills in Reinforced Concrete Buildings: A Case Study of Community Housing Resettlement Project in Dhading (Aashish Bhandari*, et al.) (10 min.) 4. Retrofitting of Gorkha Earthquake Damaged Residence Building at Purano Bhanjyang-13 (Nima Sthapit*, et al.) (10 min.) 5. Effects of Horizontal Seismic Band on Seismic Response in Masonry Structure: Behaviour Depending upon the Material Used (Santosh Yadav*, et al.) (10 min.) <ul style="list-style-type: none"> • Discussion and Feedback 	Dr. Hari Ram Parajuli Panelists: Prof. P N. Maskey Prof. Dr. Rajesh Dhakal Dr. Ramesh Guragain

11:45 – 13:30	Second Session	<p>Private Housing - Rural Housing</p> <ol style="list-style-type: none"> 6. Debris and Waste Management: Post-Earthquake Reconstruction in Rural Areas of Nepal (Prem Upadhaya Subedi*, et al.) (10 min.) 7. Reconstruction Assistance in Rural Nepal after the 2015 Gorkha Earthquake through Aarma Parmah Approach (Dr. Devraj Gautam*, et al.) (10 min.) 8. Types and Sizes of Structures in Post Gorkha Earthquake Rural Housing Reconstruction (Gaurav Kumar Panthi*, et al.) (10 min.) 9. Multi-hazards, Displacement and Vulnerability (Dr. Kerstin Rieger) (10 min.) 10. Safer Homes for The Vulnerable: Key Gaps and Challenges (Ruplal Aidi*, et al.) (10 min.) <p>• Discussion and Feedback</p>	<p>Dr. Chandra B. Shrestha Panelist Mr. Dilli Raman Niraula Mr. Surya N. Shrestha Mr. Vivek Rawal</p>
13:30 – 14:00	Lunch Break	<p>During Lunch break organizer will facilitate for side event – if suitable</p>	
14:00 – 17:00	Third Session	<p>Urban Housing</p> <ol style="list-style-type: none"> 11. Unravelling the Constraints in Reconstruction of Core Urban Housing Sector (Dr. Chandra Bahadur Shrestha*, et al.) (10 min.) 12. Earthquake Damage Prediction of Buildings in Nepal using Machine Learning Tools (Subash Ghimire*, et al.) (10 min.) 13. How Lifeline Radio Programming Supported Earthquake Affected Communities to Build Back Better (Shobhana Gurung Pradhan*, et al.) (10 min.) 14. Damage Study of RC Buildings in Kathmandu Valley after Gorkha Earthquake 2015 (Dr. Rajan Suwal) (10 min.) 15. Issues and Lessons Learned Regarding Private Housing Reconstruction after Gorkha Earthquake 2015 (Mohit Gyawali) (10 min.) 16. Effectiveness of a Holistic Socio-Technical and Financial Support to Enable Socio-Economic Vulnerable Households to Build Earthquake Resistant Houses (Manindra Malla*, et al.) (10 min.) <p>• Discussion and Feedback</p>	<p>Moderation: Mr. Kishore Thapa Panelist: Prof. Dr. J. D. Barenstein Prof. Dr. Rajesh Dhakal Ms. Maggie Stephensen</p>
17:00 –	Summing up and Closing	<p>• Representation from Editorial Board • CEO</p>	<p>Mr. Jitendra Bothara Mr. S. Gyewali</p>

Day Two: 25th August 2020

Time	Session	Papers	Facilitation
9:30 – 10:00	Opening Session / Review Session	<ul style="list-style-type: none"> • Opening Remarks 	<p>Mr. Manohar Ghimire (2) Dr. C. B. Shrestha (10) Mr. R. K. Sapkota (8) Mr. Sushil Gyewali (10)</p>
10:00 – 11:30	First Session	<p>Private Housing – Housing Policy from beneficiary perspective</p> <p>17. Examining Household Registration for Housing Reconstruction Survey and Linking to the Formulation of Municipal Plan (Dr. Chandra Bahadur Shrestha*, et al.) (10 min.)</p> <p>18. Impact of Government Tranche Deadline in Housing Reconstruction: A Case Study of Nepal (Sugandha Subedi*, et al.) (10 min.)</p> <p>19. Analysis of Owner Driven Approach of Housing Reconstruction after Gorkha Earthquake 2015: A Case Study of Dhunibeshi Municipality, Dhading (Sunil Adhikari*, et al.) (10 min.)</p> <p>20. House, Household and Home: Revisiting Social Science and Policy Frameworks through Post-Earthquake Reconstruction Experiences in Nepal (Dr. Sara Shneiderman*, et al.) (10 min.)</p> <p>Discussion and Feedback</p>	<p>Moderator: Er. Mahendra B. Gurung Panelist: Prof. Dr. J. D. Barenstein Dr. Nigel Fisher Dr. Amod Dixit</p>
11:30 – 13:30	Second Session	<p>Private Housing - Rural Housing</p> <p>1. Reconstruction Building Typology and Major Non-compliance Issues: Post-Earthquake Experience from Dhading (Rajesh Kumar Shrestha*, et al.) (10 min.)</p> <p>2. The Influence of Reconstruction Mandates and Affordability on Nepal's Post-Earthquake Housing Reconstruction (Minar Thapa Magar*, et al.) (10 min.)</p> <p>3. A Study of Post Disaster Reconstruction Recovery Framework (PDRF) From the Perspective of Theory of Change Thinking (Rabindra Suwal) (10 min.)</p> <p>4. Post-Earthquake Reconstruction in Nepal: Assumption, Action, and Accomplishment (Raj Kumar Bhattarai) (10 min.)</p>	<p>Moderator: Er. Mahendra B. Gurung Panelists: Dr. Nigel Fisher Mr. Vivek Rawal Ms. Maggie Stephensen</p>

		<p>5. Articulating Strategies for Developing Disaster Resilient Settlements from the Experience of the Tadi Rural Municipality of Nuwakot District (Dr. Chandra Bahadur Shrestha*, et al.) (10 min.)</p> <p>• Discussion and Feedback</p>	
13:30 – 14:00	Lunch Break	During Lunch break organizer will facilitate for side event – if suitable	
14:00 – 15:00	Third Session	<p><u>Public Building – Health, Education and Government Buildings</u></p> <ol style="list-style-type: none"> 1. A Critical Review on Appropriateness of the Use of Prefab in Construction of Health post in Nepal after Gorkha Earthquake (Manjeet R. Pandey*, et al.) (10 min.) 2. Recapturing Nepal National Library: A Contemporary Earthquake Resistance Solution to a Traditional Architecture (Nilaya Mainali*, et al.) (10 min.) 3. Structural Condition Assessment and Retrofitting of Shital Niwas (Presidential Palace) Building (Dr. Gokarna Bahadur Motra*, et al.) (10 min.) 4. Renovation and Strengthening of Institutional Brick Masonry Buildings: A Case Study of Pulchowk Campus (Dr. Gokarna Bahadur Motra*, et al.) (10 min.) <p>• Discussion and Feedback</p>	<p>Moderator: Dr. Hari Parajuli</p> <p>Panelists: Prof. Dr. Tri R. Bajracharya Prof. Dr. Rajesh Dhakal Dr. Rekha Shrestha</p>
15:00 – 17:30	Fourth Session	<p><u>Cultural Heritage - Monument Reconstruction</u></p> <ol style="list-style-type: none"> 1. The Planned Development of New Road Area (Naya Sadak), After 1990B.S. Earthquake and Lessons to Post-Earthquake Reconstruction of 2072 B.S. Earthquake (Alina Bajracharya *, et al.) (10 min.) 2. Strengthening the National Capacity for Conservation of National Heritage Monuments and Sites (Dr. Chandra Bahadur Shrestha*, et al.) (10 min.) 3. Traditional Water Retention and Conduit System in the Ponds of Bhaktapur Historic City (Rabita Shilpakar*, et al.) (10 min.) 4. Structural Features of the Kasthamandap and its Post-Earthquake Reconstruction (Prem Nath Maskey, et al.) (10 min.) <p>• Discussion and Feedback</p>	<p>Moderator: Dr. Jagadish Pokharel</p> <p>Panelists: Dr. Rohit Gigyasu Dr. Rohit Ranjitkar Arch. Purusottam Dangol</p>
17:00 –	Summing up and Closing	<p>• Representation from Editorial Board</p> <p>• CEO</p>	<p>Prof. Dr. Ram M. Shrestha Mr. Sushil Gyewali</p>

Day Three: 26th August 2020

Time	Session	Papers	Facilitation
9:30 – 10:00	Opening Session / Review Session	<ul style="list-style-type: none"> • Opening Remarks 	Mr. Manohar Ghimire (2) Dr. C. B. Shrestha (10) Mr. R. K. Sapkota (8) Mr. Sushil Gyewali (10)
10:00 – 12:00	First Session	<p>Cultural Heritage – Heritage Policy and community-based reconstruction</p> <ol style="list-style-type: none"> 1. Socio-Cultural Aspect of Heritage Conservation & Community Participation in Bhaktapur (Rajani Joshi Shrestha*, et al.) (10 min.) 2. Discourse of Post-Earthquake Heritage Reconstruction: A Case Study of Bhaktapur Municipality (Manoj Suji) (10) 3. Community based Participatory Approach in Cultural Heritage Reconstruction: A Case Study of Kasthamandap (Rija Joshi*, et al.) (10) 4. Community Led Post-Earthquake Heritage Reconstruction in Patan – Issues and Lessons Learned (Rupesh Shrestha) (10) 5. The Poetics and Practices of Newar Urbanism: The Challenges of Balancing Heritage Preservation with Resident Empowerment in Post-Earthquake Urban Nepal (Dr. Sabin Ninglekhu*, et al.) (10) <p>Discussion and Feedback</p>	<p>Moderator: Dr. Chandra B. Shrestha</p> <p>Panelists: Prof. Dr. S. R. Tiwari Dr. Rohit Gigyasu Dr. Jagat Shrestha</p>
12:00 – 12:30	Lunch Break		
12:30 – 15:00	Second Session	<p><u>Cultural Heritage - Area Around Monument</u></p> <ol style="list-style-type: none"> 6. Historic Towns in Transition - Documentation and Restoration of the Earthen Palaces in Upper Mustang (Rija Joshi*, et al.) (10) 7. Impact of Gorkha Earthquake on the Historic Settlement Sankhu and its Potential Implications on Reconstruction (Surya Bhakta Sanghachhe*, et al.) (10) 8. Urban Regeneration of Dwalkha: Purpose and Issues (Surya Bhakta Sanghachhe*, et al.) (10) 	<p>Moderator: Mr. Dhruva P. Sharma</p> <p>Panelists: Dr. Rohit Jigyasu Prof. Dr. Jib Raj Pokharel Mr. Bishnu Karki Dr. Rekha Shrestha</p>

		<p>9. Post-Earthquake Reconstruction, Livelihoods and Economic Recovery in the Historical Area of Dolagiri (Changu Narayan) Bhaktapur (Dr. Poonam RL Rana) (10)</p> <p>10. A Comparative Study of IS 1893:2016 and Draft NBC105:2019 in the context of Seismic Design of the Dharahara, a Historic Monument (Manohar Rajbhandari, et al.) (10)</p> <p>11. Construction Technology of Multi-Tiered Temples and Their Rehabilitation after 2015 April Earthquake in Bhaktapur (Rabina Shilpakar*, et al.) (10)</p> <p>• Discussion and Feedback</p>	
15:00 – 17:30	Fourth Session	<p><u>Livelihood and Economic Development – Skill and Knowledge Development</u></p> <p>12. Post Disaster Availability, Consumption and Balance of Food and Needed Agriculture Strategy for the Livelihood Recovery and Economic Resilience in Gorkha, Nepal (Dr. Suroj Pokhrel) (10)</p> <p>13. Effectiveness of Coping Strategies for Livelihood Support: Lessons from 2015 Nepal’s Earthquake (Dr. Nirmal K. Raut) (10)</p> <p>14. Socioeconomic Consequences of the 2015 Gorkha Earthquake (Dr. Meen B. Poudyal Chhetri) (10)</p> <p>• Discussion and Feedback</p>	<p>Moderator: Dr. Bishnu Bhandari</p> <p>Panelists: Dr. Shanker Sharma Dr. Nigel Fisher</p>
17:00 –	Summing up and Closing	<p>• Representation from Editorial Board</p> <p>• CEO</p>	<p>Prof. Dr. Ram M. Shrestha Mr. Sushil Gyewali</p>

Day Four: 27th August 2020

Time	Session	Papers	Facilitation
9:30 – 10:00	Opening Session / Review Session	<ul style="list-style-type: none"> Opening Remarks 	Mr. Manohar Ghimire (2) Dr. C. B. Shrestha (10) Mr. R. K. Sapkota (8) Mr. Sushil Gyewali (10)
10:00 – 11:30	First Session	<p><u>Livelihood and Economic Development– Economic Contribution/ Employment/ Entrepreneurship</u></p> <p>15. Understanding Household Recoveries from the 2015 Nepal Earthquakes (Dr. Jeremy Spoon*, et al.) (10)</p> <p>16. Increasing the Livelihood Security of Earthquake Affected Households: A Case Study of Nepal Earthquake Recovery Programme (Manindra Malla*, et al.) (10)</p> <p>17. Experience of Household Level Financial Management in Rural Housing Reconstruction in Nepal (Rajib Khanal*, et al.) (10)</p> <p>18. Experience in Livelihoods Promotion in Earthquake Affected Areas (Dr. Jaysingh Sah, et al.) (10)</p> <p>Discussion and Feedback</p>	<p>Moderator Dr. Nimananda Rijal</p> <p>Panelists: Prof. Dr. Govinda Nepal Dr. Nigel Fisher</p>
11:30 – 12:15	Second Session	<p><u>Rescue and Relief -</u></p> <p>19. Resilience and Differential Vulnerability of Earthquake Displaced Tamangs from Tiru and Gogane Villages of Rasuwa District, Province 3 of Nepal (Man Bahadur Khattri) (10)</p> <p>20. Assessing the Effectiveness of Rescue and Relief Operations Post 2015 Earthquake (Gaurab Kumar KC*, et al.) (10)</p> <ul style="list-style-type: none"> Discussion and Feedback 	<p>Moderator: Mr. Anil Pokharel</p> <p>Panelists: Dr. Nigel Fisher Mr. Tuk Lal Adhikari Mr. Vivek Rawal</p>
12:15 – 13:00	Lunch Break		

13:00 – 15:00	Third Session	<p>Governance and Institutional Arrangement</p> <p>21. Conditional Cash Transfers and Embedded Extension: A Mechanism to Restore and Promote Adoption of Improved Goat Shelters in Emergency Recovery (Krishna Mohan*, et al.) (10)</p> <p>22. Analysis on Effectiveness of Communication Mechanism and Activities: A Study on Post-Earthquake Reconstruction in Nepal (Ram Krishna Sharma*, et al.) (10)</p> <p>23. Inclusion of the Poor and Vulnerable: Learning from Post Earthquake Housing Reconstruction in Nepal (Vivek Rawal*, et al.) (10)</p> <p>24. An Access to Justice Approach on the Progression of Private Housing Reconstruction of 2015 Earthquake at 12 Hard-hit Districts (Nirmal K. Upreti*, et al.)</p> <p>25. Displaced and Landless Issues in Reconstruction (Dr. Jagat Basnet*, et al.) (10)</p> <p>• Discussion and Feedback</p>	<p>Moderator: Dr. Chandra B. Shrestha</p> <p>Panelists: Dr. Hiramani Ghimire Dr. Nigel Fisher</p>
15:00 –	Fourth Session	<p>• Summing up and Closing</p> <ul style="list-style-type: none"> • Summing Up • Remarks from donors and partner organisations • Representation from Editorial Board, • Executive Committee Member • Secretary • CEO • Vote of thanks 	<p>Moderator: Dr. Chandra Shrestha</p> <p>Selected Donor Reps. Prof. Dr. T. N. Bhattarai Mr. Ram K. Sapkota Mr. Sushil Gyewali Mr. Manohar Ghimire</p>