

**Sixth Regional 3R Forum in Asia and the Pacific**

*“3R as an Economic Industry - Next Generation 3R Solutions for a Resource Efficient Society and Sustainable Tourism Development in Asia and the Pacific”*

Malé, Maldives, 17-19 August 2015

# **City Report**

**(Draft)**

**< Kathmandu Valley, Nepal >**

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This city report was prepared by Kathmandu Valley, Nepal as an input for the Sixth Regional 3R Forum in Asia and the Pacific. The views expressed herein do not necessarily reflect the views of the United Nations.

**Guideline for City Reporting on Major Initiatives/Achievements in 3R areas**

The main objective of the City Reporting is to share among international community the progress, achievements and best practices, including various challenges faced, in the areas of **3R (Reduce, Reuse, Recycle)**, and sustainable waste management. This would help development agencies, donors, including development banks, in assessing the needs and challenges of cities to better devise their existing as well as future capacity building programmes and operations in the field of 3Rs and sustainable waste management.

It would be appreciated if a consolidated city report could kindly be prepared by answering the following questionnaire (7 Questions in total) and submitted to the **Secretariat of the Regional 3R Forum in Asia and the Pacific** by email to [3R@uncrd.or.jp](mailto:3R@uncrd.or.jp)

Timeline for submission: **17 July 2015**

Secretariat of the Regional 3R Forum in Asia and the Pacific  
United Nations Centre for Regional Development (UNCRD)

<b>City Report [City Name: <u>Kathmandu Valley, Nepal</u> ]</b>	
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<b>Q 1</b>	<b>What are the roles of local government stipulated in the 3R-related policies, acts, laws, or regulations?</b>
	<ul style="list-style-type: none"> <li>❖ As per the Solid Waste Management Act (2011):                             <ol style="list-style-type: none"> <li>(1) The Local Body shall take necessary steps for the promotion of reduction, reuse and recycling of solid waste and may frame and enforce necessary directives for effective implementation thereof.</li> <li>(2) The Local Body may coordinate with the concerned industry to promote activities for the reduction of solid waste produced by encouraging the reuse of materials during production and packaging by such industry.</li> </ol> </li> <li>❖ Government of Nepal has declared a ban on use of plastic bags in Kathmandu Valley since April 14, 2015 (occasion of Nepalese New Year's day).</li> </ul>
<b>Q 2</b>	<b>Is 3R policy integrated in your city development strategy or master plan?</b> (Please attach photo(s) of your city's waste management if available.)
	<input type="checkbox"/> Yes => Please share goals/visions/major achievements/important lessons learnt that could be replicated elsewhere. * No => Please go to Q6 (please also answer Q4, 5, and 7)
	Please attach photos with caption, if available:
<b>Q 3</b>	<b>What are the major challenges and constraints faced by your city in implementing 3R policies and programmes?</b> (Please answer only if your answer to Q2 is "Yes")
	Financial constrains:

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	Institutional/governance challenges:	
	Policy gaps:	
	Other challenges such as technical capacity, human resources etc.:	
<b>Q 4</b>	<b>What programme is in place in your city to support NGOs activities towards promotion of 3Rs?</b>	
	<p>Solid Waste Management Technical Support Center (SWMTSC) has presented new technical guidelines in order to assist municipal solid waste managers as well as policy makers in establishing efficient and effective solid waste management system. The guidelines are based on the following basic principles:</p> <ul style="list-style-type: none"> <li>• Integrated and sustainable waste management systems should be promoted.</li> <li>• The 3-R principle (reduce, reuse and recycle) should be promoted at all levels.</li> <li>• Waste should be segregated at source to maximize recycling.</li> <li>• The practice of dumping waste on streets or open areas for collection should be stopped and more effective forms of waste collection that minimizes waste handling and exposure to waste should be promoted.</li> <li>• Open waste dumps should be replaced by controlled dumps or sanitary landfilling.</li> <li>• Recycling should be maximized and only non-recyclable waste should be landfilled.</li> <li>• Environmental impacts of waste should be minimized.</li> <li>• Polluters pay principle should be applied to minimize waste production, recover cost and make the SWM system as a whole sustainable.</li> <li>• Participation of local communities and private sector in SWM should be encouraged.</li> </ul>	
<b>Q 5</b>	<b>Is there any collaborative 3R related activity/project/partnerships with cities and organizations at international level?</b>	
	<input type="checkbox"/> Yes => Please brief the project(s) including objectives, project partners, target, period, budget etc. <input type="checkbox"/> No	
	Please attach photos with caption, if available:	
<b>Q 6</b>	<b>Even if your city doesn't have any dedicated 3R policies/programmes/activities, what future prospects or opportunities does your city have in 3R areas?</b>	
	<p>On November 9 2014, the SWMTSC and Central Department of Environmental Science (CDES) at Tribhuvan University signed an agreement on a five-year project to prepare a baseline assessment of waste characteristics of Kathmandu Valley, along with development and research on solid waste management technologies and adopting reduce-reuse-recycle approach.</p> <p>The private sector is also of the view that solid waste can be utilized for generating energy and producing compost fertilizers. Alternative Energy Promotion Center (AEPC) is also focusing</p>	

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	<p>on establishing bio-gas plants to generate energy from solid wastes in municipal level.</p> <p>In the wake of recent Gorkha earthquake 2015 event, following strategies and action plans on disaster waste management &amp; contingency plan have been proposed:</p> <ul style="list-style-type: none"> <li>• Separation of waste (Waste Minimization)</li> <li>• Application of using 3R principle</li> <li>• Handle with care to special waste such as electrical, electronic, biomedical and other hazardous waste.</li> <li>• Need demolition of structured building by mobilizing special contractors with necessary equipments.</li> <li>• Identification of primary on-site storage (nearest possible open space) considering environmental parameters.</li> <li>• Collection, transportation and intermediate storage of waste. (Reduce transaction costs by centralizing resources):</li> <li>• Standardize recycled products for reuse enhancing public private (PPP) sector capacity and technology.</li> <li>• Need separate/ special guidelines for heritage and monuments.</li> <li>• Dumping of non-recycling and non reused waste.</li> <li>• Ensure Environmental Sustainability of the UN Millennium Development Goals: Integrate the principles of sustainable development into country policies and programs, and reverse the loss of environmental resources.</li> </ul>
<p><b>Q 7</b></p>	<p><b>What type of 3R infrastructure and facilities your city is equipped with? Please tick the appropriate.</b></p> <p>* waste collection facility</p> <p>* waste segregation facility</p> <p><input type="checkbox"/> waste storage facility</p> <p><input type="checkbox"/> waste processing &amp; treatment facility</p> <p><input type="checkbox"/> resource recovery facility</p> <p><input type="checkbox"/> waste recycling facility</p> <p><input type="checkbox"/> eco-industrial zones</p> <p><input type="checkbox"/> science parks &amp; theme parks covering 3R areas</p> <p><input type="checkbox"/> others (please specify:                    )</p>

Thank you for your kind cooperation.