

Fifth Regional 3R Forum in Asia and the Pacific

“Multilayer Partnerships and Coalition as the Basis for 3Rs Promotion in Asia and the Pacific”
Surabaya, Indonesia, 25-27 February 2014

Country Report

(Draft)

< India >

This country report was prepared by India as an input for the Fifth Regional 3R Forum in Asia and the Pacific. The views expressed herein do not necessarily reflect the views of the United Nations.

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Country Report

Name of the Country: INDIA

Name, Designation and Organization Respondent: Ministry of Environment and Forests - India

Other Organizations contributing to Country Report:

(**Note:** Though a number of key line Ministries of INDIA such as Ministry of Environment and Forests, Ministry of Commerce and Industry, and Ministry of Urban Development, are invited to Fifth Regional 3R Forum in Asia-Pacific, only one consolidated joint country report is requested)

Voluntary reporting on progress/achievements/initiatives towards implementation of the *Ha Noi 3R Declaration – Sustainable 3R Goals for Asia and the Pacific (2013-2023)*

With the objective of demonstrating renewed interest and commitment of Asia-Pacific countries towards realizing a promising decade (2013-2023) of sustainable actions and measures for achieving resource efficient and sound material cycle society in the rapidly urbanizing region, the Fourth Regional 3R Forum in Asia-Pacific in 2013 discussed and agreed the “*Ha Noi 3R Declaration – Sustainable 3R Goals for Asia and the Pacific 2013-23*”. The objective of the Country Reporting is to share among the Asia-Pacific countries the progress and achievements made, including various challenges faced, by countries in implementing each of the underlined Goals of the Declaration. It is also expected to help development agencies, donors and multilateral development banks (MDBs) better devise their existing as well as future capacity building and technical assistance programs in the areas of 3Rs and resource efficiency, including building 3R infrastructures. While preparing the country report, it is highly recommended that all other relevant line Ministries/Agencies such as Ministry of Environment, Ministry of Industry, Ministry of Public Works, Ministry of Urban Development, Ministry of Energy, etc., are consulted.

Please list below the type of date reports/statistical compendium available in the areas of waste management in your country:

- 1.....
- 2.....
- 3.....
- 4.....

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration		
I. 3R Goals in Urban/Industrial Areas				
3Rs in municipal solid waste	1	Significant reduction in the quantity of municipal solid waste generated, by instituting policies, programmes, and projects at national and local levels, encouraging both producers and consumers to reduce the waste through greening production, greening lifestyle, and sustainable consumption.	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> • Rules exists end is under • Implementation lack amendment • Capacity building of officials required.
			Examples of pilot projects and/or policies developed or under development – include websites/URLs where relevant. The Gas Authority of India Ltd. (GAIL) is in final stage for development of a pilot plant for methane harvesting for energy purposes from the Ghazipur Landfill Site solid wastes landfill sites in Delhi.	
			Important Actions you will take in 2014	
			Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
3Rs in municipal solid waste	2 Full-scale utilization of the organic component of municipal waste, including food waste , as a valuable resource, thereby achieving multiple benefits such as the reduction of waste flows to final disposal sites, reduction of GHG emission, improvement in resource efficiency, energy recovery, and employment creation.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> • Segregation of municipal solid wastes is the biggest problem. • There is no law of accountability for municipalities for disposals of MSW scientifically.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Vermin composting have been implemented and excellent Renaults action Replication need.	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
3Rs in municipal	3 Achieve significant increase in recycling rate of recyclables (e.g., plastic, paper, metal, etc.), by introducing policies and measures, and by setting up financial mechanisms and institutional	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Plastic rules needs amendment and people are new to their utilization.
		(Please Check the box)	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration		
		<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Technologies for waste/re-cycling needs to be demonstrated.</p>		
		<p>Important Actions you will take in 2014</p> <p>Adoption of cleaner technologies will be implemented.</p>		
		<p>Is this Goal relevant for your country?</p> <p style="text-align: center;"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially </p>		
3Rs in municipal solid waste	4	<p>Build sustainable cities /green cities by encouraging “zero waste” through sound policies, strategies, institutional mechanisms, and multi-stakeholder partnerships (giving specific importance to private sector involvement) with a primary goal of waste minimization</p>	<p>Any action had been taken so far?</p> <p> <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) </p>	<p>Challenges faced in implementation:</p> <p>Eco-city concept was initiated by the Ministry of Environment and Forests, Central Pollution Control Board. However, due to lack of expertise and man power in the SPCBs/Municipals required result was could not be achieved.</p>
			<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Indigenously developed clean technologies will be implemented for effective implementation of 3R.</p>	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
		Important Actions you will take in 2014 Efforts will be made to update industries/Municipal for going ahead with zero waste concept.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
3Rs in industrial waste	5 Encourage the private sector , including small- and medium-sized enterprises (SMEs) to implement measures to increase resource efficiency and productivity , creation of decent work and to improve environmentally-friendly practices through applying environmental standards, clean technologies, and cleaner production.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: There is no co-ordination between the private sector, and municipal bodies for effective implementation of the wastes utilization.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant A separate Scheme on adoption of clean technology and waste minimization has been initiated by Government of India. Good results have been achieved.	
		Important Actions you will take in 2014	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
3Rs in industrial waste	6 Promote the greening of the value chain by encouraging industries and associated suppliers and vendors in socially responsible and inclusive ways.	Any action had been taken so far? <input checked="" type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation:
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Energy efficient technologies for transport sector have been introduced. Local trains, metros, monorails, battery operated auto rickshaw has been introduce.	
		Important Actions you will take in 2014 Attempts will be made to collate information to encourage implementation green chain.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
3Rs in industrial waste	7 Promote industrial symbiosis (i.e., recycling of waste from one industry as a resource for another), by providing relevant incentives and support.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Adoption of cleaner technologies by SMEs
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant <ul style="list-style-type: none"> • Fly Ash is being used in cement. • Steels lack being used in cements and roads. • Bagasse are used for in the paper industry. 	
		Important Actions you will take in 2014	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
3Rs in industrial waste	8 Build local capacity of both current and future practitioners, to enable the private sector (including SMEs) to obtain the necessary knowledge and technical skills to foster green industry and create decent, productive work.	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: There is an acute and urgent need for training to adopt cleaner technologies.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant There is need to providing incentives by financial institutions for adoption of green technologies by SMEs. Creation of data base for cleaner technologies available in the country and abroad has been initiated.	
		Important Actions you will take in 2014 Training programme for adoption of Clean Technologies will be initiated.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
3Rs in industrial waste	9 Develop proper classification and inventory of hazardous waste as a prerequisite towards sound management of such waste.	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Categorization of hazardous waste and its disposals and norms. Fix the responsibility on the hazardous wastes produces.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant So many pilot projects have been initiated.	
		Important Actions you will take in 2014 MSW rules will be modified.	
		Is this Goal relevant for your country? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
II. 3R Goals in Rural Areas			

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
10	<p>Reduce losses in the overall food supply chain (production, post harvesting and storage, processing and packaging, distribution), leading to reduction of waste while increasing the quantity and improving the quality of products reaching consumers.</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some (design – piloting)</p> <p><input checked="" type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Challenges faced in implementation:</p> <p>Awareness and training in SMEs sector.</p>
		<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Manufacturing of bio fertilizers improving quality products, transportation technologies for over all food supply are implemented.</p>	
		<p>Important Actions you will take in 2014</p> <p>Efforts will be made to improve the 3R concept.</p>	
		<p>Is this Goal relevant for your country?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially</p>	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
11	Promote full scale use of agricultural biomass waste and livestock waste through reuse and/or recycle measures as appropriate, to achieve a number of co-benefits including GHG emission reduction, energy security, sustainable livelihoods in rural areas and poverty reduction, among others.	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Collection of biomass from the field and its utilization at the industrial site.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Pilot plants for biomass gasification are being implemented at various industrial clusters.	
		Important Actions you will take in 2014: Capacity Building in the sector will be one of the option.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
III. 3R Goals for New and Emerging Wastes			

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
12	Strengthen regional, national, and local efforts to address the issue of waste, in particular plastics in the marine and coastal environment.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Collection and categorization.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Pilot plant for conversion of plastic into petrol and diesel has been set-up at Annamalai University, Chidambaram (Tamil Nadu) and likely to be replicated at other parts of the country.	
		Important Actions you will take in 2014 Training programme for replication of this technology will be made.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
13	Ensure environmentally-sound management of e-waste at all stages, including collection, storage, transportation, recovery, recycling, treatment, and disposal with appropriate consideration for working conditions, including health and safety aspects of those involved.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Collection and characterization of E-waste is a biggest challenge.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant A demonstration project on “Heavy metals removal from Industrial effluents: Membrane based Technology” has been taken up in collaboration with Bangalore University. It will be completed by June, 2015.	
		Important Actions you will take in 2014 This above technology will be replicated throughout the country.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
14	Effective enforcement of established mechanisms for preventing illegal and inappropriate export and import of waste, including transit trade, especially of hazardous waste and e-waste.	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Monitoring of the hazardous wastes imports.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant The Act for hazardous waste movement is already in place.	
		Important Actions you will take in 2014 Efforts will be made to monitor the hazardous wastes movement.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
15	Progressive implementation of “extended producer responsibility (EPR)” by encouraging producers, importers, and retailers and other relevant stakeholders to fulfill their responsibilities for collecting, recycling, and disposal of new and emerging waste streams, in particular e-waste.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Collection, categorization and disposal.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant E-waste rules have been framed in May, 2011 and now it is being implemented.	
		Important Actions you will take in 2014 Some more demonstration project will be initiated for recovery of heavy metals and other hazardous wastes.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
16	<p>Promote the 3R concept in health-care waste management.</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Challenges faced in implementation:</p> <p>Networking with the concerned organization/Research Institution to carry out the projects on environmental Health.</p>
		<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Indian council of Medical Research has initiated efforts to take-up the subject on Environmental Health. The Ministry of Environment and Forests has received 47 proposals. After short-listing the proposals, the pilot projects will be started.</p>	
		<p>Important Actions you will take in 2014</p> <p>Pilot projects will be taken-up the environmental health.</p>	
		<p>Is this Goal relevant for your country? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially</p>	
IV. 3R Goals for Cross-cutting Issues			

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
17	Improve resource efficiency and resource productivity by greening jobs nation-wide in all economic and development sectors	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Capacity Building and awareness among the law enforcement agencies.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Air quality and Noise standards have already notified been in the country.	
		Important Actions you will take in 2014 NGOs to be motivated for generating awareness towards the law enforcement agencies.	
		Is this Goal relevant for your country? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
18	Maximize co-benefits from waste management technologies for local air, water, oceans, and soil pollution and global climate change.	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Enforcement of the law.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Technologies like methane harvesting, bio-fertilizers, and waste to energy are already implemented.	
		Important Actions you will take in 2014 Motivation and public participation.	
		Is this Goal relevant for your country? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
19	Enhance national and local knowledge base and research network on the 3Rs and resource efficiency , through facilitating effective and dynamic linkages among all stakeholders, including governments, municipalities, the private sector, and scientific communities.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Need based research is needed to initiate local 3R programme.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant A demonstration project was initiated at Firozabad, Uttar Pradesh for implementation of 3R in the glass manufacturing units. Resource efficient technologies has been developed and being implemented.	
		Important Actions you will take in 2014 Some more demonstration plants needs to be set-up.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
20	Strengthen multi-stakeholder partnerships among governments, civil society, and the private sector in raising public awareness and advancing the 3Rs, sustainable consumption and production, and resource efficiency, leading to the behavioural change of the citizens and change in production patterns.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Coordination between the Government, Public and Private partnership is required.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Capacity Building in the financial institutions, Public and Private Sector are in progress.	
		Important Actions you will take in 2014 Financial mechanism will be evolved for implementation of 3R for awareness in the financial, public and private sector.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
21	<p>Integrate the 3Rs in formal education at primary, secondary, and tertiary levels as well as non-formal education such as community learning and development, in accordance with Education for Sustainable Development.</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Challenges faced in implementation:</p> <p>To educate the policy makers and teachers.</p>
		<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Awareness programme through various agencies are being implemented in the country. This has to be continued. A national policy for 3R implementation is required for co-ordination among the various Ministries' efforts.</p>	
		<p>Important Actions you will take in 2014</p> <p>More awareness programmes will be implemented.</p>	
		<p>Is this Goal relevant for your country?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially</p>	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
22	<p>Integrate the 3R concept in relevant policies and programmes, of key ministries and agencies such as Ministry of Environment, Ministry of Agriculture, Forestry and Fisheries, Ministry of Industry, Ministry of Trade and Commerce, Ministry of Energy, Ministry of Water Resources, Ministry of Transport, Ministry of Health, Ministry of Construction, Ministry of Finance, Ministry of Labour, Ministry of Land and Urban Development, Ministry of Education, and other relevant ministries towards transitioning to a resource-efficient and zero waste society.</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Challenges faced in implementation:</p> <p>No Coordination among the Ministries.</p>
		<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>A National level coordination and co-operation by various Ministries is required to be implemented. Therefore, there is an urgent need to frame a national policy for implementation of 3R.</p>	
		<p>Important Actions you will take in 2014</p> <p>Efforts will be made to evolve a policy.</p>	
		<p>Is this Goal relevant for your country?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially</p>	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
23	Promote green and socially responsible procurement at all levels, thereby creating and expanding 3R industries and markets for environmentally-friendly goods and products.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Financial mechanism for implementation of Green Procurement.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Environmental School of economics, Chennai has already developed some mechanism for giving subsidies to Green products as well as green procurement.	
		Important Actions you will take in 2014 Efforts will be made to evolve mechanism for green procurement.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
24	Phase out harmful subsidies that favour unsustainable use of resources (raw materials and water) and energy, and channel the freed funds in support of implementing the 3Rs and efforts to	Any action had been taken so far? <input checked="" type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: No such subsidies has come to light.

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
	improve resource/energy efficiency.	Examples of pilot projects and/or policies developed or under development – include URLs where relevant Not applicable.	
		Important Actions you will take in 2014 Not applicable.	
		Is this Goal relevant for your country? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
25	Protect public health and ecosystems, including freshwater and marine resources by eliminating illegal activities of open dumping, including dumping in the oceans, and controlling open burning in both urban and rural areas.	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: General Awareness among the masses for protection of public health.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant The government of India has lodged protection of public health and eco system.	
		Important Actions you will take in 2014 Some demonstration projects will be initiated.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
26	Facilitate the international circulation of re-usable and recyclable resources as well as remanufactured products as mutually agreed by countries and in accordance with international and national laws, especially the <i>Basel Convention</i> , which contributes to the reduction of negative environmental impacts and the effective management of resources.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Co-operation and coordination with international bodies.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant India has already started producing so many green products and is being exported to various countries.	
		Important Actions you will take in 2014 Efforts will be made to activate green productions.	
27	Promote data collection, compilation and sharing, public announcement and application of statistics on wastes and the 3Rs, to understand the state of waste management and resource efficiency.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Non availability of the eco friendly data.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Efforts are being made by the Central Pollution Control Board and State Pollution Control Boards to promote data collection for implementation of 3R.	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
		Important Actions you will take in 2014 Efforts will be made to speed up the ongoing schemes.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
28	Promote heat recovery (waste-to-energy), in case wastes are not re-usable or recyclable and proper and sustainable management is secured.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Non availability of the proven technology.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant The Ministry has already sanctioned a project on “Demonstration Project of PLASMA Technology for Waste Destruction” to Gujarat Pollution Control Board.	
		Important Actions you will take in 2014 This above technology will be replicated throughout the country.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
29	Promote overall regional cooperation and multi-stakeholder partnerships based on different levels of linkages such as government-to-government, municipality-to-municipality, industry-to-industry, (research) institute-to-institute, and NGO-to-NGO. Encourage technology transfer and technical and financial supports for 3Rs from developed countries to less developed countries.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Coordination
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Recently developed cleaner technologies by the Ministry are being implemented. However, mass replication of these technologies is still awaited.	
		Important Actions you will take in 2014 Efforts will be made to replicate these technologies.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
30	Pay special attention to issues and challenges faced by developing countries including SIDS in achieving sustainable development.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Cooperation and coordination

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Cooperation with various countries at various levels is in place.	
		Important Actions you will take in 2014 It will be implemented.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
31	Promote 3R + “Return” concept which stands for Reduce, Reuse, Recycle and “Return” where recycling is difficult due to the absence of available recycling industries and limited scale of markets in SIDS, especially in the Pacific Region.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Awareness and enforcement.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Efforts are being made to promote and popularize 3R + return concept.	
		Important Actions you will take in 2014 Awareness at various levels in this regard will be made.	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
		Is this Goal relevant for your country? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	
32	Complete elimination of illegal engagement of children in the informal waste sector and gradually improve the working conditions and livelihood security, including mandatory provision of health insurance , for all workers.	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Awareness
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Government of India has already taken initiative for elimination of illegal engagement of the children in the informal waste sector.	
		Important Actions you will take in 2014 Awareness will be made.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	

Fifth Regional 3R Forum in Asia and the Pacific 25-27 February 2014, Surabaya, Indonesia

Goal No.	Goal Description	Voluntary Progress/Achievements/Initiatives in Implementing Ha Noi 3R Declaration	
33	Promote 3Rs taking into account gender considerations.	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: Framing of policies and its implementation.
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant Such types of policies are already in place and being implemented both at national and local level.	
		Important Actions you will take in 2014 It will be taken up at both national and local level.	
		Is this Goal relevant for your country? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially	