

Seventh Regional 3R Forum in Asia and the Pacific

“Advancing 3R and Resource Efficiency for the 2030 Agenda for Sustainable Development”

Adelaide, SA, Australia, 2-4 November 2016

Country Report

(Draft)

< Bangladesh >

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

Country 3R Progress Report

Name of the Country: **Bangladesh**

Name, Designation and Organization Respondent:

Timeline of Submission: **30 September 2016**

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*Progress and achievements 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 resource efficient society, the Fourth Regional 3R Forum in Asia-Pacific in 2013 adopted the good-will and legally non-binding “***Ha Noi 3R Declaration – Sustainable 3R Goals for Asia and the Pacific 2013-23.***” The objective of the Country Reporting is to share among international community various initiatives launched and efforts made (such as new policy instruments, legislations, regulations, institutional arrangements, investments or financing, technological innovation or intervention, partnership mechanisms, such as PPPs, etc.) by the member countries of the Forum in addressing each of the underlined goals of the Ha Noi 3R Declaration. This would not only help the member countries to learn various 3R best practices in place across the region, but it would also help bi-lateral and multi-lateral development agencies, donors, development banks in assessing the sustainable needs and challenges to better devise their existing as well as future capacity building programmes and technical assistance in the areas of 3Rs and sustainable waste management.

We request you to kindly fill in the below table as much as possible with relevant data/information. If additional spaces are required, separate sheets could be attached.

Thank you very much for your kind cooperation.

Secretariat of the Regional 3R Forum in Asia and the Pacific
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I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)

Goal 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.

Q-1 What specific 3R policies, programmes and projects, are implemented to reduce the quantity of municipal solid waste?

National 3R (reduce, reuse and recycle) Strategy for Waste Management, 2010 was formulated and launched in Bangladesh. The City Corporations and Municipalities are making efforts to incorporate the concepts and guidance of this Strategy in their solid waste management activities. However, there have been dedicated pilot initiatives in line with 3R Strategy through different programs and projects being implemented by various Ministries/Divisions/Agencies.. Major initiatives are as follows:

1. **Programmatic CDM Using Organic Wastes of Urban Centres (City Corporations/Municipalities/Districts) throughout Bangladesh:** Key objectives- 1. Reduction of Green House Gas (GHG) from the municipal organic waste by converting waste to compost fertilizer; 2. Introduction of 3R (Reduce, Reuse and Recycle) concept; 3. Awareness building among the city dwellers about 3R concept; 4. Providing additional financial assistance for waste management through selling CER in the international CDM Market;

Fund: Government's own Climate Change Trust Fund

Implementing Organization: Department of Environment, Ministry of Environment and Forests

2. **Implementation of 3R Pilot Initiative in Dhaka and Chittagong Cities:** Key objectives- 1. To promote 3R initiative throughout Bangladesh; 2. To raise public awareness about the benefit of waste segregation at source and recycling of waste; 3. To reduce the amount of waste in land filling areas; 4. To take initiative for the management and recycling of waste by using public-private partnership; 5. To introduce the 3R strategy in corresponding project areas through exhibition and pilot programs;

Fund: Government's own Climate Change Trust Fund

Implementing Organization: Department of Environment, Ministry of Environment and Forests

3. **Urban Public and Environmental Health Sector Development Program in 6 City Corporations**

The investments under the project loan include, among others, the following: (i) integrated waste management facilities (sanitary landfills, medical waste treatment, and composting); (ii) modern slaughterhouses; and (iii) food laboratories

Fund: Asian Development Bank (ADB) and Government of Bangladesh

Implementing Organization: Local Government Division

4. **Promoting Low Carbon Urban Development in Bangladesh**

Waste related activities include i) Implementing solutions for solid waste management including Integrated Resource Recovery Centre (IRRC); ii) waste to energy and 4R where in some projects development in PPP modality.

Fund: Global Environment Facility (GEF)-6 Cycle

Implementing Organization: Local Government Division, Power Division and Department of Environment

5. **IDCOL Biogas and Bio-fertilizer Program**

IDCOL has been implementing domestic biogas program in Bangladesh since 2006 with support from SNV Netherlands, KfW and the World Bank.. Till April 2016, IDCOL has financed construction of over 42,800 biogas plants all over the country through its

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43 partner organizations.

6. Safe and Environmentally Sound Ship Recycling in Bangladesh – Phase I

The project, aimed at improving standards and sustainability within the industry, will consist of five work packages, covering studies on economic and environmental impacts of ship recycling industry and on the management of hazardous materials and wastes, recommendations on strengthening the Government's One-Stop Service (in which all the various ministries with a responsibility for ship recycling – e.g. Industries, Environment, Labour, Shipping – offer a single point of contact for related matters), a review and upgrade of existing training courses for health, safety and environmental compliance, and the development of a detailed project document for a possible follow-up project to implement the recommendations of phase I.

Fund: IMO, NORAD, EU, Basel Convention

Implementing Organization: Ministry of Industries

7. Environmentally Sound Development of the Power Sector with the Final Disposal of Polychlorinated Biphenyl (PCB)

Fund: GEF, UNIDO

Implementing Organization: Department of Environment, PDB, PGCL

8. Support to Development of Kaliakoir Hi-Tech Park/IT parks (SDKHTP)

Bangladesh Hi-Tech Park Authority (BHTPA) established in 2010 is responsible for the establishment and expansion along with management, operation and development of Hi-Tech Parks within the country.

Fund: World Bank and DFID

Implementing Organization: BHTPA, Information and Communication Technology (ICT) Division

9. Co-composting Project based on Faecal Sludge and Organic Waste

Initiated by Waste Concern, UNESCAP, Local Government Engineering Department and Kushtia Municipality.

10. CDM Based Composting Project (capacity 130 tons/day) Project in Dhaka implemented by Waste Concern (1st CDM project in Bangladesh)

11. Purbachal New Town Project by RAJUK (Capital Development Authority of Dhaka) incorporated the National 3R Strategy in their master plan. They kept the provision of source separation of waste and earmarked land for waste recycling projects.

12. Bangladesh Bank's (Central Bank of Bangladesh) Green Banking Initiatives to promote Green Projects and Products in the country and introduced Taka 2 billion refinance line for these project.

13. UNICEF initiated Composting Initiative and Promoting 3Rs in 19 towns of Bangladesh

14. Feasibility Study On Conversion of Multi-technology Poa-dd on Solid Waste Management into NAMA in Bangladesh: Study supported by KfW and UNESCAP, Waste Concern and W2RF

15. Valuing the Sustainable Development Co-benefits of Climate Change Mitigation Actions: A case of Waste Sector and Recommendations for the Design of Nationally Appropriate Mitigation Actions (NAMAs): with the support from UNESCAP, UNFCCC, SOUTH POLE and Waste Concern

Q-2 What is the level of participation of households in "source" segregation of municipal waste streams? (Please check the appropriate box)

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)	
Goal 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.
<input type="checkbox"/> Very High (> 90%) <input type="checkbox"/> High (>70%) <input type="checkbox"/> Average (50~70%) <input checked="" type="checkbox"/> Low or not satisfactory (< 50%) <input type="checkbox"/> Does not exist	
Q-3 Total annual government expenditure per capita (US\$ per capita) in municipal solid waste management in 2014-2015	
Data Not Readily Available	
Challenges (policy/ institutional/ technological/ financial) faced in implementation:	
<ol style="list-style-type: none"> 1. Policy needs to be reformed and reoriented to attract investments of public and private sector in 3R of waste management; 2. Inter-ministerial and inter-agency coordination needs to be strengthened to facilitate 3R related initiatives, and promote Public-Private Partnerships (PPP); 3. Lack of institutional capacity in terms of skilled manpower and logistics to properly understand, monitor, review and document 3R related projects and activities; 4. Lack of financial resources and technological knowhow to promote and implement 3R related initiatives; 5. Participation in regional and international collaborative actions need to be improved. 	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant	
Please see the list as presented under Q1 of Goal 1	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)	
Seventh National Five Year Plan (FY2015-FY2020) Seventh Five Year Plan includes 3R/4R options for waste management and low carbon sustainable development path	
Is this Goal relevant for your country? <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)	
Goal 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.
<i>Q-1 Does the central government have policies or support to utilize or reduce the organic waste such as composting, energy recovery and improving efficiency in food processing?</i>	
National 3R Strategy for Waste Management, 2010	
The national 3R goal for waste management is to achieve complete elimination of waste disposal on open dumps, rivers, flood plains, and promote recycling of waste through mandatory segregation of waste at source as well as create a market for recycled products and provide incentives for recycling of waste.	
<i>Q-2 What is happening to country's organic waste?</i> (Please check the appropriate box)	
<input type="checkbox"/> mostly landfilled <input type="checkbox"/> mostly incinerated <input type="checkbox"/> both landfilled and incinerated <input checked="" type="checkbox"/> mostly open dumped or open burned	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ol style="list-style-type: none"> 1. There is a need for proper implementation of National 3R Strategy for Waste Management 2010, and promulgation and implementation of Solid Waste Management Rules; 2. Source Separation, Extended Producers Responsibility (EPR), Awareness of people, capacity of government and private sector need to be improved; 3. Promotion of Public Private Partnerships (PPP) needs to be realized, and various incentives (providing land at low cost, TAX & VAT rebate, free or easy delivery of waste to recycling facility, product marketing/pricing, etc.) should be provided to attract private investments; 4. Opportunity of accessing climate finance needs to be harnessed; 5. Enhanced R&D and capacity building is required in this sector; 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Please see the list as presented under Q1 of Goal 1	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
Seventh National Five Year Plan (FY2015-FY2020)	
Seventh Five Year Plan includes 3R/4R options for waste management and low carbon sustainable development path	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)

Goal 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 frameworks involving relevant stakeholders (e.g., producers, consumers, recycling industry, users of recycled materials, etc.) and development of modern recycling industry.

Q-1 What is the recycling rate of various recyclables?(Please check the appropriate cell & add more waste streams as relevant for the country)

Rate \ Type	Very High (>90%)	High (>70%)	Average (50~60%)	Poor (<50%)	Recycling does not exist	Definition of recycling rate*
Paper			x			3
Plastic		x				3
Metal	x					3
Construction waste				x		3
e-waste			x			3
others			x			

*Note: Please specify in the cell which of the following definitions(ie., 1 or 2 or 3) is followed for recycling rate

Definition 1: (collected recyclable waste)/(estimated generation of waste)

Definition 2: (volume of utilized recyclable waste)/(volume of raw material)

Definition 3: (volume of utilized recyclable waste)/(volume of collected waste for recycling)

Q-2 What specific policies are introduced at local and national level for prevention or reduction of waste streams – paper, plastic, metal, construction waste, e-waste?

National 3R Strategy for Waste Management, 2010

Q-3 What is the rate of resource recovery from various waste streams?

Rate \ Type	Very High (>90%)	High (>70%)	Average (50~60%)	Poor (<50%)	Recycling does not exist
Paper			x		
Plastic			x		
Metal		x			
Construction waste				x	
e-waste		x			

(Please check the appropriate cell & add more waste streams as relevant for the country)

Q-4 What is the level of existence of resource recovery facilities/ infrastructures in cities?

Level \ Type	Every Major City	Few Major Cities only	Does not exist	Supportive policy or programmes exists	No supportive policy or programmes
Paper		x		x	
Plastic		x		x	
Metal		x		x	
Construction waste			x	x	
e-waste		x		x	

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)	
Goal 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 frameworks involving relevant stakeholders (e.g., producers, consumers, recycling industry, users of recycled materials, etc.) and development of modern recycling industry.
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ol style="list-style-type: none"> 1. There is a need for proper implementation of National 3R Strategy for Waste Management 2010, and promulgation and implementation of Solid Waste Management Rules; 2. Source Separation, Extended Producers Responsibility (EPR), Awareness of people, capacity of government and private sector need to be improved; 3. Promotion of Public Private Partnerships (PPP) needs to be realized, and various incentives (providing land at low cost, TAX & VAT rebate, easy delivery of waste to recycling facility, product marketing/pricing, etc.) should be provided to attract private investments; 4. Already developed huge informal recycling sector should be brought under formal setting with necessary support of the government; 5. Opportunity of climate finance needs to be harnessed; 6. Enhanced R&D and capacity building is required in this sector; 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Please see the list as presented under Q1 of Goal 1	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
<p>Seventh National Five Year Plan (FY2015-FY2020) Seventh Five Year Plan is in the final stage that inculcated 3R/4R options for waste management and low carbon path.</p>	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)

Goal 4 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**

Q-1 What specific waste management policies and programmes are introduced to encourage private sector participation in municipal waste management?

1. **National 3R Strategy for Waste Management, 2010**
Encourages Private sector investment in waste sector.
2. **Department of Environment (DOE)** has been promoting ‘Zero Discharge Policy’ for industrial operations. Now DOE has put a condition to submit Zero Discharge Plan by the proposed industries while issuing Environmental Clearance Certificate to concerned industries/projects.
3. **The National Clean Development Mechanism (CDM) Strategy 2004:** identified waste sector having potential for attracting CDM finance in the country.
4. **Private Sector Infrastructure Guideline**
This guideline of the GoB has recommended private sector investment in waste management sector which includes all types of waste. It has also identified waste sector as one of the priority sector for private investment.
5. **Purbachal New Town Project by RAJUK (Capital Development Authority of Dhaka)** incorporated the National 3R Strategy in their Master Plan. They have kept the provision of source separation of waste and earmarked land for waste recycling projects.
6. **Bangladesh Bank’s (Central Bank of Bangladesh) Green Banking Initiatives** to promote Green Projects and Products in the country and introduced Taka 2 billion refinance line for these project.

Q-2 What are the major waste management areas that have strong involvement of private and business sector? (Please check appropriate boxes and add other areas if not listed below)

- waste collection
- resource recovery
- waste recycling
- waste to energy, composting, etc.
- PPP projects in waste sector

Challenges (policy/ institutional/ technological/ financial) faced in implementation:

1. Existing waste recycling projects based on carbon trading are affected due to fall of carbon market. Immediate attention needs to be given by government to support these projects. This will become good example for private investors to invest in waste and 3R sector. Accessing international climate finance is also critical.
2. Lack of coordination between local government, relevant ministries/agencies and private sector to fast track 3R related project.
3. Lack of awareness and capacity in local government and relevant ministries/agencies to

I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)	
Goal 4	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>promote 3R projects.</p> <p>4. Promotion of Public Private Partnerships (PPP) needs to be realized, and various incentives (providing land at low cost, TAX & VAT rebate, free or easy delivery of waste to recycling facility, product marketing/pricing, etc.) should be provided to attract private investments;</p>
	<p><i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i></p> <p>Please see the list as presented under Q1 of Goal 1</p>
	<p><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i></p> <p>Already shown in previous sections.</p>
	<p><i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 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.
<i>Q-1 What are the major clean technology related policies aiming to increase energy and resource efficiency of SMEs?</i>	
<ol style="list-style-type: none"> 1. National 3R Strategy for Waste Management, 2010 Encourages Private sector investment in waste sector. 2. National Renewable Energy Policy- 2008 This policy seeks to promote production of biogas and other green energy from waste and also providing incentives for development of CDM to promote green energy projects 3. Policy Strategies for Small & Medium Enterprises (SME) Development in Bangladesh 	
<i>Q-2 What are the capacity building programmes currently in place to build the technical capacity of SMEs in 3R areas?</i>	
Through project initiatives few capacity building training programs are being conducted in this regard.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need financial and technical support from local and external support agencies.	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Please see the list as presented under Q1 of Goal 1	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)</i>	
Already shown in previous sections.	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 6	Promote the greening of the value chain by encouraging industries and associated suppliers and vendors in socially responsible and inclusive ways.
<i>Q-1 What percent of companies and industries have introduced green accounting and voluntary environmental performance evaluation (Ref: ISO 14000)?</i>	
<input type="checkbox"/> Very High (> 90%) <input type="checkbox"/> High (>70%) <input type="checkbox"/> Average (50~70%) <input checked="" type="checkbox"/> Low or not satisfactory (< 50%) <input type="checkbox"/> None	
<i>Q-2 What percent of companies and industries have introduced social accounting (Ref: SA 8000) in consultation with their workers?</i>	
<input type="checkbox"/> Very High (> 90%) <input type="checkbox"/> High (>70%) <input type="checkbox"/> Average (50~70%) <input type="checkbox"/> Low or not satisfactory (< 50%) <input type="checkbox"/> None	
<i>No available information</i>	
<i>Q 3 Does government have a programme for promoting greening of the value chain? What specific policies, programmes and incentives are introduced to promote greening of value chain?</i>	
<p>ILO Bangladesh has initiated program to promote Green Jobs in Bangladesh. Department of Environment also considers this issue while issuing Environmental Clearance Certificate to industries/projects.</p>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need more attention for effective policy	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Green Jobs Initiative by ILO Bangladesh	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
No information available	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 7	Promote industrial symbiosis (i.e., recycling of waste from one industry as a resource for another), by providing relevant incentives and support.
<i>Q-1 Does your government have policies and programmes promoting industrial symbiosis in industrial parks or zones? What specific policies, programmes and incentives are introduced to promote industrial symbiosis?</i>	
No available information	
<i>Q-2 How many eco-industrial parks or zones or the like, which is supported by the government, are there in the country?</i>	
There is good number of Export Processing Zones (EPZ), Industrial Parks/Estates administered and supported by the government where environment friendly measures are promoted and implemented. Apart from them, around 100 Special Economic Zones have been declared by the government where the industrial operations will be done in compliance with full environmental norms and regulations.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ol style="list-style-type: none"> 1. Lack of effective and rigorous compliance monitoring by the regulatory agencies due to inadequate manpower, logistics and network; 2. Lack of effective coordination and collaboration among key institutions; 3. Unwillingness of industry owners to comply with the environmental norms and regulations; 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Green Cells have been established in many EPZs to promote and facilitate the implementation of green initiatives by the industrial units.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 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.
<i>Q-1 How many dedicated training facilities or centers are there to cater the needs of SMEs and practitioners in the areas of cleaner production, resource efficiency and environment-friendly technologies, etc.?</i>	
<p>There are few public and private training institutes who conduct trainings on those areas as a part of their mandated training programs; Recycling Training Center in Dhaka run by Waste Concern; Department of Environment organizes consultation meetings/seminar/awareness programs on those areas;</p>	
<i>Q-2 Please provide an indicative figure on annual government (US \$) expenditure on building technical capacity of SMEs and practitioners in the areas of cleaner production, resource efficiency and environment-friendly technologies, etc.?</i>	
No available information	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need more attention in this sector by allocating necessary resources by the government as well as by relevant Chambers of Commerce and Industries	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
National Environment Awards are given to green compliant industries every year on the occasion of World Environment Day. Besides this, some other awards including the Daily Star and HSBC Climate Change Award are also given to green industries.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

I. 3R Goals in Urban/Industrial Areas (3Rs in Industrial waste)	
Goal 9	Develop proper classification and inventory of hazardous waste as a prerequisite towards sound management of such waste.
<p><i>Q-1 Is there a systematic classification of hazardous waste? If so, please attach.</i></p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><i>Q-2 What specific rules and regulations are introduced to separate, store, treat, transportation and disposal of hazardous waste?</i></p> <p>Medical Waste (Management and Processing) Rules 2008 Hazardous Waste and Shipbreaking Waste management Rules 2011</p>	
<p>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</p> <p>Lack of effective coordination and collaboration among key institutions Lack of institutional capacity to spearhead the process and activities</p>	
<p>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</p> <p>Revision and update of existing Rules Developing E-Waste Management Rules and Guidelines</p> <p>Safe and Environmentally Sound Ship Recycling in Bangladesh – Phase I The project, aimed at improving standards and sustainability within the industry, will consist of five work packages, covering studies on economic and environmental impacts of ship recycling industry and on the management of hazardous materials and wastes, recommendations on strengthening the Government’s One-Stop Service (in which all the various ministries with a responsibility for ship recycling – e.g. Industries, Environment, Labour, Shipping – offer a single point of contact for related matters), a review and upgrade of existing training courses for health, safety and environmental compliance, and the development of a detailed project document for a possible follow-up project to implement the recommendations of phase I.</p> <p>Support to Development of Kaliakoir Hi-Tech Park/IT parks (SDKHTP) Bangladesh Hi-Tech Park Authority (BHTPA) established in 2010 is responsible for the establishment and expansion along with management, operation and development of Hi-Tech Parks within the country. Under this project, e-waste recycling facility will be established.</p>	
<p>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</p> <p>7th Five Year Plan Safe and Environmentally Sound Ship Recycling in Bangladesh – Phase II</p>	
<p>Is this Goal relevant for your country? <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>	

II. 3R Goals in Rural Areas	
Goal 10	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.
<i>Q-1 What specific policies, rules and regulations, including awareness programmes, are introduced to minimize food or crop waste?</i>	
Bangladesh Country Investment Plan (CIP) - A road map towards investment in agriculture, food security and nutrition	
<i>Q-2 Is there any continuing education services or awareness programmes for the farmers or agricultural marketing associations on reduction of crop wastes for increased food security?</i>	
No available information	
<i>Q-3 What is the average wastage of crops or agricultural produce between farms to consumers, if there is a study in your country?</i>	
<input type="checkbox"/> Very High (> 20~ 30%) <input type="checkbox"/> High (10~20%) <input type="checkbox"/> Medium (5~10%) <input type="checkbox"/> Low (< 5%) <input type="checkbox"/> Negligible (<1%)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Lack of coordination and collaboration among key institutions Lack of financial resources to implement CIP on agriculture and food security	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Some pilot initiatives are being undertaken in line with CIP	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
CIP on agriculture and food security 7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

II. 3R Goals in Rural Areas	
Goal 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.
<i>Q-1 How much amount of – (a) agricultural biomass waste and (b) livestock waste are grossly generated per annum?</i>	
<p>Agricultural waste- No available information Livestock waste- 138.19 million tons</p>	
<i>Q-2 How are most of the agricultural biomass wastes utilized or treated?</i> (Please <u>check all appropriate boxes</u>)	
<p><input checked="" type="checkbox"/> as secondary raw material input (for paper, bioplastic, furniture, etc.) <input checked="" type="checkbox"/> biogas/electricity generation <input checked="" type="checkbox"/> composts/fertilizers <input type="checkbox"/> mostly left unutilized or open dumped <input type="checkbox"/> mostly open burned</p>	
<i>Q-3 What specific policies, guidelines, and technologies are introduced for efficient utilization of agricultural biomass waste and livestock waste as a secondary material inputs towards full scale economic benefits? Relevant websites could be shared for additional information.</i>	
<p>National 3R Strategy for Waste Management, 2010 Bangladesh Climate Change Strategy and Action Plan 2009 Bangladesh Livestock Manure Management Policy 2016 National Action Plan on Short Lived Climate Pollutants 2014 Bangladesh 2nd National Communication on Climate Change</p>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<p>Lack of effective coordination and collaboration among key institutions Lack of capacity building initiatives for relevant ministries/agencies Lack of financial and technological support</p>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<p>Develop and Implement Livestock Manure Management Action Plan in line with relevant policy</p>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
<p>Bangladesh Livestock Manure Management Policy 2016 and related Action Plan 7th Five Year Plan</p>	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

III. 3R Goals for New and Emerging Wastes	
Goal 12	Strengthen regional, national, and local efforts to address the issue of waste, in particular plastics in the marine and coastal environment.
<i>Q-1 What specific policies and regulations are in place to address the issue of plastic wastes in coastal and marine environment?</i>	
<ol style="list-style-type: none"> 1. Bangladesh Environment Conservation Act and Rules 2. National Action Plan on Coastal and Marine Pollution from Land based Activities 3. Integrated Coastal Zone Management Policy 4. Hazardous Waste and Shipbreaking Waste Management Rules 	
<i>Q-2 What extent issue of plastic waste is considered in integrated coastal zone management (ICZM)? (Please check the appropriate box)</i>	
<input type="checkbox"/> Very much <input type="checkbox"/> Somehow <input type="checkbox"/> Not at all	
<i>Q-3 Please provide a list of centre of excellences or dedicated scientific and research programmes established to address the impacts of micro-plastic particulates (<5 mm) on coastal and marine species? If yes, please provide relevant websites.</i>	
No information available	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Lack of attention and financial resources to implement and enforce relevant policies and regulations	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

III. 3R Goals for New and Emerging Wastes		
Goal 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.	
Q-1 How do people usually recycle their e-waste (waste electrical and electronic equipment)? (Please check the appropriate box in order of priority by filling in numbers like 1, 2, 3, 4,....etc., for example 1 => Highest priority)		
Check if applicable	Number in priority order	
<input checked="" type="checkbox"/>	4	Take to recycling center / resource recovery facilities
		Take to landfill
<input checked="" type="checkbox"/>	1	Take to the retailer
		Take to local charity for re-use
<input checked="" type="checkbox"/>	1	Take to second-hand shop for re-use
		Ship back to the manufacturer
		Ship back to the manufacturer
<input checked="" type="checkbox"/>	3	Recycle in another country
<input checked="" type="checkbox"/>	4	Do not know how people dispose
Q-2 What specific policies and regulations are in place to ensure health and safety aspects of those involved in e-waste management (handling/sorting/resource recovery/recycling)?		
Bangladesh Environment Conservation Act and Rules The issue of safe recycling of e-waste is being considered while issuing Environment Clearance Certificate to relevant industries and projects.		
Q-3 How much amount of e-waste is generated and recycled per year?		
No available Information		
Challenges (policy/ institutional/ technological/ financial) faced in implementation:		
Lack of effective coordination and collaboration among key institutions Lack of capacity building initiatives for relevant ministries/agencies Lack of financial and technological support		
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant		
Development of E-Waste Management Guidelines and Rules Some e-waste recycling industries are in operation and export few items to other countries		
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)		
7 th Five Year Plan		
Is this Goal relevant for your country? <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all		

Goal 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.
<i>Q-1 What specific policies and regulations are introduced to prevent illegal import and export of e-waste?</i>	
<ol style="list-style-type: none"> 1. Basel Convention and Stockholm Convention: Bangladesh is a signatory to both the Conventions 2. Hazardous Waste and Ship Breaking Management Rules 2011 3. Import Policy Order 2015-18 	
<i>Q-2 Do you have required number of well-trained custom or other officials (for airport, sea-port, land border control, etc.) to track illegal export and import of e-waste?</i>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<p>Lack of effective coordination and collaboration among key institutions Lack of capacity building initiatives for relevant ministries/agencies Lack of financial and technological support</p>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
No available information	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
No available information	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

III. 3R Goals for New and Emerging Wastes	
Goal 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.
<i>Q-1 What specific Extended Product Responsibility (EPR) policies are enacted or introduced? (If there is none, then skip Q-2 below)</i>	
No available information	
<i>Q-2 Please provide a list of products and product groups targeted by EPR nationally?</i>	
No available information	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need specific policy, awareness and capacity building initiatives	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
EPR is being practiced in handling and management of lead acid batteries	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
Under proposed E-waste Rules, the provision of EPR will be included and implemented	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

III. 3R Goals for New and Emerging Wastes	
Goal 16	Promote the 3R concept in health-care waste management.
<i>Q-1 What specific policies and regulations are in place for healthcare waste management?</i>	
<p>Medical Waste (Management and Processing) Rules, 2008 Source Separation of hospital waste as well as transportation, treatment and disposal of all kinds of hospital and clinical waste are made mandatory.</p>	
<i>Q-2 What is the total annual government expenditure towards healthcare waste management (US\$ per year)?</i>	
No available information	
<i>Q-3 List the agencies or authorities responsible for healthcare waste management.</i>	
<ol style="list-style-type: none"> 1. Local Government Division/City Corporations/Municipalities 2. Public and Private Hospital and Clinics 3. Directorate General of Health Services (Regulatory Authority) 4. Department of Environment (Regulatory Authority) 	
<i>Q-4 What is the common practice for disposal of healthcare wastes?</i>	
(Please check the appropriate box and add if any other practice followed)	
<input checked="" type="checkbox"/> open dumping (untreated) <input type="checkbox"/> open burning (untreated) <input checked="" type="checkbox"/> ordinary landfilling (untreated) <input type="checkbox"/> sanitary landfilling (treated) <input checked="" type="checkbox"/> Low cost small scale incineration (do not meet air emission standards) <input type="checkbox"/> Highly controlled air incineration (dedicated/modern medical waste incinerators) <input checked="" type="checkbox"/> Other methods (please specify names: a pilot project run by Dhaka City Corporation practicing autoclave, chemical treatment, deep burial and small scale incinerator in PPP modality)	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Lack of effective coordination and collaboration among key institutions Lack of capacity building initiatives for relevant ministries/agencies Lack of financial and technological support Incentives required for private sector	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Pilot project run by Dhaka City Corporation, Khulna City Corporation in PPP modality	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
No available information	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 17	Improve resource efficiency and resource productivity by greening jobs nation - wide in all economic and development sectors.
<i>Q-1 What specific policies and guidelines are introduced for product standard (towards quality/durability, environment/eco-friendliness, labour standard)?</i>	
<p>ILO, Bangladesh in partnership with Ministry of Labor and Employment took an initiative to promote green jobs in the country</p> <p>Bangladesh Standards and Testing Institution (BSTI) has developed product standards</p> <p>Sustainable and Renewable Energy Development Authority (SREDA) has developed Energy Efficiency and Energy Conservation Master Plan</p> <p>Bangladesh Labor Policy</p> <p>National Occupational Health and Safety Policy</p> <p>Bangladesh Labor Act and Rules</p> <p>Bangladesh Labor Welfare Foundation Act and Rules</p>	
<i>Q-2 What specific energy efficiency schemes are introduced for production, manufacturing and service sector?</i>	
<p>Energy efficient CDM project initiated by both public and private Sector</p> <p>A collaborative initiative is being undertaken between the government of Japan and Bangladesh to facilitate transfer of low carbon energy efficient improved technology, product, systems under Joint Crediting Mechanism (JCM)</p>	
<i>Q-3 What specific policies are introduced to create green jobs in product and waste sector?</i>	
<p>Study conducted by ILO-Ministry of Labor and Employment-Waste Concern on 3 sectors (renewable energy, solid waste, construction industry) aiming to develop policy on green jobs</p>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<p>Lack of effective coordination and collaboration among key institutions</p> <p>Lack of capacity building initiatives for relevant ministries/agencies</p> <p>Lack of financial and technological support</p> <p>Incentives required for private sector</p>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<p>Under CDM and JCM, specific activities are going on</p> <p>BSTI and SREDA are also implanting some projects</p>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
<p>7th Five Year Plan</p> <p>Energy Efficiency and Energy Conservation Master Plan</p>	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 18	Maximize co-benefits from waste management technologies for local air, water, oceans, and soil pollution and global climate change.
<i>Q-1 Please share how climate mitigation is addressed in waste management policies and programmes for co-benefits?</i>	
<ol style="list-style-type: none"> 1. The National 3R Strategy on Waste has clearly addressed climate mitigation issues. 2. National CDM Strategy: This strategy is promoting pro-poor CDM projects on waste sector by harnessing carbon financing 3. Recently a Study on monetizing of co-benefits was conducted for Bangladesh and in partnership with UNFCCC, UNESCAP, SOUTH POLE and Waste Concern 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ol style="list-style-type: none"> 1. Due to fall of carbon price existing CDM projects in Bangladesh are suffering. Attention should be given to help these projects. 2. Co-benefit, climate fiancé and NAMA needs to be harnessed 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<ol style="list-style-type: none"> 1. CDM Based Composting Project (capacity 130 tons/day) Project in Dhaka (2008) (www.wastecern.org) 	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 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.
<i>Q-1 What specific policies are introduced to encourage triangular cooperation between government, scientific & research institutions and private/business sector in 3R areas?</i>	
The National 3R Strategy for Waste Management has clearly addressed the issue	
<i>Q-2 Please share the number and list of dedicated scientific institution, or coordinating centers in the areas of 3Rs (e.g., waste minimization technologies, eco-products, cleaner production, recycling technologies, industrial symbiosis, resource efficiency, etc.)?</i>	
<ol style="list-style-type: none"> 1. Ministry of Environment and Forests 2. Ministry of Industry 3. Ministry of Power, Energy and Mineral Resources 4. Department of Environment 5. SREDA 6. BSTI 7. SME Foundation 8. Bangladesh University of Engineering and Technology 9. Waste Concern 10. IPO 	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need capacity building and financial and technical support	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Please google the organizations	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues			
Goal 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.		
<i>Q-1 Does central government have official dialogue with multi-stakeholders in the process to formulate 3R-related policies and regulations? Which stakeholders are involved in the dialogue?</i> (Please check all applicable)			
<input checked="" type="checkbox"/> NGOs	<input checked="" type="checkbox"/> Industrial Association		
<input checked="" type="checkbox"/> Local Government	<input checked="" type="checkbox"/> Academic Institution		
<input type="checkbox"/> Others, please add/specify (Producers, informal sector, consumer society etc.)			
<i>Q-2 What is the level of NGOs' involvement in 3R, sustainable production and consumption, resource efficiency related promotional activities?</i> (Please check the appropriate box)			
<input type="checkbox"/> Very high	<input type="checkbox"/> Moderate	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Almost Negligible
<i>Q-3 What is the level of citizens' awareness on beneficial aspects of 3R, sustainable production and consumption and resource efficiency.</i> (Please check the appropriate box)			
<input type="checkbox"/> Very high	<input type="checkbox"/> Moderate	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Almost Negligible
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>			
Need more attention, capacity building, awareness raising, financial support and R&D			
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>			
Already mentioned earlier			
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>			
7 th Five year plan			
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all			

IV. 3R Goals for Cross-cutting Issues	
Goal 21	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.
<i>Q-1 Provide a list of formal programmes that addresses areas of 3R and resource efficiency as part of the academic curriculum?</i>	
No available information	
<i>Q-2 Please provide an overview of the Government policies and programmes to promote community learning and development (non-formal education) on 3R and sustainable waste management.</i>	
No available information	
<i>Q-3 Please provide a list of academic and research institutions offering PhD programmes in the areas of 3Rs and resource efficiency?</i>	
No available information	
<i>Q-4 Please provide a list of management institutions (offering BBA / MBA courses) which have integrated resource efficiency and life cycle assessment (LCA) as part of their curriculum or course development?</i>	
No available information	
Challenges (policy/ institutional/ technological/ financial) faced in implementation:	
Need focused attention to this issue	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant	
Shown earlier	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)	
No available information	
Is this Goal relevant for your country? <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 22	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.
<i>Q-1 Please list the name of the Ministries and major Government Agencies which are promoting 3R and resource efficiency as part of their policy, planning and developmental activities at local and national level.</i>	
<ol style="list-style-type: none"> 1. Ministry of Environment and Forests 2. Ministry of Industry 3. Ministry of Power, Energy and Mineral Resources 4. Ministry of Local Government, Rural Development and Cooperative 5. Ministry of Agriculture 6. Department of Environment 7. SREDA 8. BSTI 9. SME Foundation 	
<i>Q-2 What type of coordination mechanism are there among ministries and agencies for a resource efficient economic development?</i>	
<input type="checkbox"/> Official regular coordination meeting among ministries and agencies <input checked="" type="checkbox"/> Official ad-hoc coordination meeting among ministries and agencies <input checked="" type="checkbox"/> Informal meeting among ministries and agencies <input type="checkbox"/> Other coordination mechanisms (please add/specify)	
<i>The existing National 3R Steering Committee needs to be strengthened</i>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need effective coordination and collaboration Need strengthening of institutional capacity and resource mobilization	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
The National 3R Strategy for Waste management	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 23	Promote green and socially responsible procurement at all levels, thereby creating and expanding 3R industries and markets for environmentally-friendly goods and products.
<i>Q-1 What specific policies are introduced to promote green and social responsible procurement?</i>	
The National 3R Strategy for Waste Management has addressed the issue.	
<i>Q-2 Please provide details of eco-labelling schemes of your country.</i>	
No available information	
<i>Q-3 Please provide a list of criteria for eco-labeled products and services in your country.</i>	
No available information	
<i>Q-4 Please provide the list of Ministries and major Government Agencies which have adopted green procurement policy.</i>	
An initiative has been taken by Audit Department under Finance Division	
<i>Q-5 What % of municipalities have adopted the green procurement policy?</i>	
No available information	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need attention	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
No available information	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
No available information	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 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 improve resource/energy efficiency.
<i>Q-1 Are there any government subsidy programmes that directly or indirectly favour unsustainable use of resources (raw materials, water, energy)? If so, please provide a list of such programmes along with the responsible Ministry or Agency administering and implementing it.</i>	
Data Not Readily Available	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)</i>	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 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.
<i>Q-1 Is waste management a public health priority in your country?</i>	
Yes	
<i>Q-2 What are the rules and regulations to prevent open dumping and open burning of waste?</i>	
<ol style="list-style-type: none"> 1. Bangladesh Environment Conservation Act, 1995 (Last Amendment in 2010) 2. The National 3R Strategy on Waste Management 3. Draft Solid Waste Management Rules and E-waste Management Rules 4. Bangladesh Environment Conservation Rules 1997 	
<i>Q-3 Rank the five most important rivers in terms of water quality (BOD values) passing through major cities and urban areas?</i>	
Buriganga Sitalakhya Turag Karnafuli Padma	
<i>Q-4 What are the specific laws, rules and regulations in place to prevent littering in river and water bodies?</i>	
<ol style="list-style-type: none"> 5. Bangladesh Environmental Conservation Act 1995 (Last Amendment in 2010) 6. Bangladesh Environment Conservation Rules 1997 7. Natural Water Body Protection and Preservation of Open space and Playground Act 2000 8. Bangladesh Water Act 2013 	
<i>Q-5 What are the specific laws, rules and regulations in place to prevent marine littering?</i>	
<ol style="list-style-type: none"> 1. Bangladesh Environmental Conservation Act 1995 (Last Amendment in 2010) 2. Bangladesh Environment Conservation Rules 1997 3. Coastal Zone Policy 2005 	
Challenges (policy/ institutional/ technological/ financial) faced in implementation:	
Lack of effective coordination and collaboration among key institutions Lack of capacity building initiatives for relevant ministries/agencies Lack of financial and technological support	
Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant	
See DOE website	
Important policies/programmes/projects/master plans the government plans to undertake within next five years (2015~2020)	
7 th Five Year Plan	
Is this Goal relevant for your country? <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 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 Basel Convention, which contributes to the reduction of negative environmental impacts and the effective management of resources.
<i>Q-1 What are major recycling industries in your country?</i>	
Private E-waste Recycling Companies Formal and informal recycling companies for paper, glass, plastic including PET bottle	
<i>Q-2 Please specify the regulation on transboundary movement of hazardous waste.</i>	
Bangladesh is a signatory of Basal Convention and Stockholm Convention Bangladesh hazardous Waste and Shipbreaking Waste Management Rules 2011 Import Policy Order 2015-18	
<i>Q-3 If your government has restriction on import of non-hazardous waste or quality control of non-hazardous waste, please list it up.</i>	
Bangladesh hazardous Waste and Shipbreaking Waste Management Rules 2011 Import Policy Order 2015-18	
<i>Q-4 Does your government restrict import of remanufactured goods?</i>	
No	
<i>Q-5 Does your government regard remanufactured goods as secondhand goods, and regulate it as secondhand goods?</i>	
Yes	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Lack of effective coordination and collaboration among key institutions Lack of capacity building initiatives for relevant ministries/agencies Lack of financial and technological support	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
No available information	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five year Plan	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues

Goal 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.

Q-1 Please give an overview on availability of various data and information on material flow and waste management by checking (X or ✓) the appropriate boxes. (Please respond on both "Data Availability" and Monitoring Base")

Data Type	Data Availability			Monitoring Base	
	Good	Very limited	No data exist	Good	Not good
Waste generation	x				x
Material flow		x			x
Cyclical use					x
Amount of final disposal		x			x
Disposal to land		x			x
Direct disposal to water		x			x
Import of waste		x			x
Export of waste		x			x
Total landfilled waste		x			x
Import of recyclables		x			x
Export of recyclables		x			x
Hazardous waste generation (solid, liquid, sludge, etc.)		x			x
e-waste generation		x			x

(Please add any other data type relevant to your country)

Q-2 What are the current and planned government policies and programmes to strengthen data and information availability in waste sector?

Recently government conducted a national survey on waste under a 3R project.

Challenges (policy/ institutional/ technological/ financial) faced in implementation:

Need updated information, inventory and institutional capacity and financial resources

Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant

Department of Environment in collaboration with Waste Concern, CEGIS is conducting surveys related to waste

Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)

7th Five Year Plan

Is this Goal relevant for your country? Highly Partially Not at all

IV. 3R Goals for Cross-cutting Issues	
Goal 28	Promote heat recovery (waste-to-energy), in case wastes are not re-usable or recyclable and proper and sustainable management is secured.
<i>Q-1 What are the government policies and programmes, including incentives, for waste-to-energy programmes?</i>	
At present government of Bangladesh is seriously considering the opportunity of harnessing energy from waste, like electricity, biogas, refuse derived fuel (RDF) etc.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Lack of institutional capacity Lack of R&D and encouragement of PPP modality Lack of financial and technological support	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<p>Promoting Low Carbon Urban Development in Bangladesh Waste related activities include i) Implementing solutions for solid waste management including Integrated Resource Recovery Centre (IRRC); ii) waste to energy and 4R wherein some projects development in PPP modality. Fund: Global Environment Facility (GEF)-6 Cycle</p> <p>A study on potential of RDF as source of energy from soiled plastic, waste, fabric conducted by Dept of Environment</p>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 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.
<i>Q-1 Please provide a list of on-going bilateral/multi-lateral technical cooperation in 3R areas?</i>	
No available information	
<i>Q-2 What actions are being taken to promote inter-municipal or regional cooperation in areas of waste exchanges, resource recovery, recycling, waste-to-energy and trade of recyclables?</i>	
Through Programmatic CDM using organic Wastes of Urban Centres (City Corporation/Municipalities/Districts) throughout Bangladesh , local governments, concerned ministries and agencies, bilateral development partners, international development banks, are brought under a platform for organic waste recycling.	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<ol style="list-style-type: none"> 1. Promotion of Public Private Partnerships (PPP) needs to be realized, and various incentives (providing land at low cost, TAX & VAT rebate, free or easy delivery of waste to recycling facility, product marketing/pricing, etc.) should be provided to attract private investments; 2. Lack of effective linkages with regional and international technology and financial institutions to facilitate transfer of technology on 3R; 3. Lack of administrative and financial support for enhancing collaboration on research and extension among key stakeholders; 	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Already shown earlier.	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 30	Pay special attention to issues and challenges faced by developing countries including SIDS in achieving sustainable development.
<i>Q-1 Please describe any past and on-going cooperation with SIDS (Small Island Developing States) countries in 3R areas.</i>	
No	
<i>Q-2 Please list 3R related projects linked to climate change, biodiversity, disaster management and sustainable tourism. (This is to be reported by SIDS countries only)</i>	
Not applicable	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Not available	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Not available	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
Not available	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input checked="" type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 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.
<i>Q-1 What specific policies, programme, including pilot projects, are implemented to promote 3R+ “Return” concept? (This is <u>to be reported by SIDS countries only</u>)</i>	
Not applicable	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 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.
<i>Q-1 What is the approximate market size (in US\$) of the informal waste sector?</i>	
It is projected that the GDP contribution of the waste sector for the years 2014 and 2020 will be Tk 35,478.37 million and Tk 43,347.12 million respectively. (Source: Waste Concern 2009)	
<i>Q-2 Number of annual labor inspections in waste sector?</i>	
No available information	
<i>Q-3 Is health insurance a mandatory to all informal workers in waste sector by law?</i>	
No	
<i>Q-4 What specific policies and enforcement mechanisms are in place to prevent illegal engagement of children in waste sector?</i>	
Bangladesh Labor Policy National Occupational Health and Safety Policy Child Labor Elimination Policy Bangladesh Labor Act and Rules Bangladesh Labor Welfare Foundation Act and Rules	
<i>Q-5 Number of landfill sites accessible to register waste pickers?</i>	
No available information	
<i>Q-6 Average life span of informal waste workers?</i>	
No available information	
<i>Q-7 Any government vaccination programmes for informal waste workers?</i>	
No available information	
<i>Q-8 Any public awareness programmes for informal waste workers on health and safety measures?</i>	
No available information	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need more coordinated actions	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
Not available	
<i>Important policies/programs/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	

IV. 3R Goals for Cross-cutting Issues	
Goal 33	Promote 3Rs taking into account gender considerations.
<i>Q-1 Please give a brief assessment on how the national, provincial and municipal governments incorporate gender considerations in waste reduction, reuse and recycle.</i>	
<p>The National 3R Strategy on Waste Management and National Women Development Policy consider the gender issue in professional and service sectors. There are sectorial Gender Policies that clearly address this issue in a proper fashion.</p>	
<i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>	
Need more coordinated actions	
<i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>	
No available information	
<i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2020)</i>	
7 th Five Year Plan	
<i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all	