

**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)**

**< Afghanistan >**

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This country report was prepared by the Government of Afghanistan 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: Afghanistan

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Other Ministries, Organizations, Agencies contributing to Country  
Report: Ministry of Commerce and Industries, Independent  
Directorate of Local Governace, Ministry of Energy and water,  
Ministry of Agriculture, Irrigation and Livestock, National  
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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.

**Voluntary Progress/Achievements/Initiatives in  
Implementing Ha Noi 3R Declaration (2013~2023)**

Afghanistan

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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?*

Project on public awareness, awareness magazine, flayers, mobile vehicles, drama theaters, thematic sessions.

Provision of decentralized composting systems by educating and public awareness programs.

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

- Very High (> 90%)
- High (>70%)
- Average (50~70%)
- Low or not satisfactory (< 50%)
- Does not exist

**Q-3** *Total annual government expenditure per capita (US\$ per capita) in municipal solid waste management in 2014-2015*

1.7 to 2.2 USD depending upon locations and different municipalities (1.9 USD on Average Basis)

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

Lower capacities, disproportional services, lower technological capacities, three decades old organizational staff ( HR and technical, transport facilities) , 35 years old cars, 4 times demolishing notices has already arrived but the municipality vehicles are still being used at the major metropolitan cities of Afghanistan including Kabul.

*lack of PPP unapproved policies and regulations, many municipalities have been unable to encourage the private sector to invest in this aspect.*

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

Some parts at Major cities like Kabul and Mazar sharif has been given on PPP, the results so far are good as compared to government services. Recycling master plan and electricity generation, gas production and fertilizer production from the Solid waste has been planned by various municipalities to adopt in coming future, According to our calculations one third of electricity requirement can be fulfilled by the incineration of waste from Kabul (Capital) city, thus government is planning to make us of it.

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**

Solid Waste Management Manual, Guideline, and Landfill Design Guideline prepared both are in approval process.

Incineration plants, composting plants and recycling plants has been planned by government subjected to the donor funds availability.

**Is this Goal relevant for your country?**  Highly  Partially  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.

***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?***

No policies exist yet.

***Q-2 What is happening to country's organic waste?*** (Please check the appropriate box)

- mostly landfilled
- mostly incinerated
- both landfilled and incinerated
- mostly open dumped or open burned

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

N/A

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

N/A

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

N/A

***Is this Goal relevant for your country?***     Highly     Partially     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<br>Type          | Very High<br>(>90%) | High<br>(>70%) | Average<br>(50~60%) | Poor<br>(<50%) | Recycling<br>does not<br>exist | Definition<br>of recycling<br>rate* |
|-----------------------|---------------------|----------------|---------------------|----------------|--------------------------------|-------------------------------------|
| Paper                 |                     |                |                     | √              |                                | 3                                   |
| Plastic               |                     |                |                     | √              |                                | 3                                   |
| Metal                 |                     |                |                     | √              |                                | 3                                   |
| Construction<br>waste |                     |                |                     | √              |                                | 3                                   |
| e-waste               |                     |                |                     | √              |                                | 3                                   |
| others                |                     |                |                     |                |                                |                                     |

\*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?**

Land fill guidelines has been produced by Government (Municipalities deputy ministry), which also advices on waste reduction.

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

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

(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<br>Type         | Every Major<br>City | Few Major<br>Cities only | Does not<br>exist | Supportive<br>policy or<br>programmes<br>exists | No supportive<br>policy or<br>programmes |
|-----------------------|---------------------|--------------------------|-------------------|---|--|
| Paper                 |                     | √                        |                   | √   |  |
| Plastic               |                     | √                        |                   | √   |  |
| Metal                 |                     | √                        |                   | √   |  |
| Construction<br>waste |                     |                          |                   | √   |  |
| e-waste               |                     |                          |                   | √   |  |

**Voluntary Progress/Achievements/Initiatives in  
Implementing Ha Noi 3R Declaration (2013~2023)**

Afghanistan

| I. 3R Goals in Urban/Industrial Areas (3Rs in municipal solid waste)  |   |
|---|---|
| <b>Goal 3</b>   | Achieve significant <b>increase in recycling rate</b> 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. |
| <b><i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i></b>   |   |
| Nothing has yet been done in this sector  |   |
| <b><i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i></b>                                 |   |
| No data exists  |   |
| <b><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i></b>                                  |   |
| No data exists  |   |
| <b><i>Is this Goal relevant for your country?</i></b> <input type="checkbox"/> Highly <input checked="" 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?***

Solid Waste Management Plan (SWMP) developed by USAID and some donor organization for some municipalities which need political support of the Government

***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:***

Government support is needed to back up some donor funded plans, budget constraints are available therefore can't expand the clean and green projects to all cities. Most of the guidelines are not approved yet however they are developed (Long beaurocratic process).

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

N/A

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

Clean and green projects in 12 major cities of Afghanistan in greenery and sanitation from 2016-2018).

*Developing Strategic Plans for major cities, developing of relevant guidelines.*

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



**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.

***Q-1 What are the major clean technology related policies aiming to increase energy and resource efficiency of SMEs?***

A policy of renewable energy has just been produced by the ministry of energy and water for government and private sector both.

***Q-2 What are the capacity building programmes currently in place to build the technical capacity of SMEs in 3R areas?***

No programs exist

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

Lower public awareness, lower capacities of government, un availability of funds.

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

N/A

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

Government is working on the new development framework for next 10 years and resource efficiency would be considered in that framework.

***Is this Goal relevant for your country?***     Highly     **Partially**     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.

***Q-1 What percent of companies and industries have introduced green accounting and voluntary environmental performance evaluation (Ref: ISO 14000)?***

- Very High (> 90%)
- High (>70%)
- Average (50~70%)
- Low or not satisfactory (< 50%)
- None

***Q-2 What percent of companies and industries have introduced social accounting (Ref: SA 8000) in consultation with their workers?***

- Very High (> 90%)
- High (>70%)
- Average (50~70%)
- Low or not satisfactory (< 50%)
- None

***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?***

National Environmental agency is working with relevant agencies to ensure concept of 3R in their Policies. And Ministry of Commerce and Industries does not issue license to a new company which their activities may have environmental implications without a clearance from NEPA

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

Lack of proper policies  
Lack of Proper institutional capacities and Budget

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

No projects yet

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

N/A

***Is this Goal relevant for your country?***     Highly     Partially     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.

***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?***

Nothing exists in this sector, no such programs has been started yet.

***Q-2 How many eco-industrial parks or zones or the like, which is supported by the government, are there in the country?***

All the industrial parks are owned by government, there are 8 zones in Afghanistan, each zone consists of various provinces, the provinces with much population and transit locations has separate industrial parks as well.

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

Lack of awareness.

Lack of foreign investments in Afghanistan.

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

N/A

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

Government is planning to develop a policy for industrial parks development.

***Is this Goal relevant for your country?***  Highly  Partially  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.

***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.?***

Some information and education campaign conducted to the citizens for the purpose of 3R and properly dumping of the solid waste in all major cities of Afghanistan.

***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.?***

N/A

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

There are no policies available for 3R, segregation, recovery, collection and proper dumping.

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

USAID/RAMP-UP program supported the municipalities in collection of the dumped wastes and provided some trash-bins and vehicle for solid waste collection during 2010 to 2014, but after that due to lack of budget again the service area and the quality of services decreased.

USAID/SHAHAR program also supported 20 municipalities technically Preparing integrated Solid Waste Management Plans, population projection and waste generation, landfill site selection and Design,

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

N/A

***Is this Goal relevant for your country?***  **Highly**  Partially  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.

**Q-1** *Is there a systematic classification of hazardous waste? If so, please attach.*

**Yes**       No

**Q-2** *What specific rules and regulations are introduced to separate, store, treat, transportation and disposal of hazardous waste?*

Through the IEC project run by municipalities the citizens were informed and trained to treat and handle the hazardous waste, in the collection schedule of municipality there are one day specified for collecting the medical and hazardous waste.

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

There is no policy, institution and or guideline on how to handle the hazardous wastes, some

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

Some hospitals in major cities like Kabul have their own incinerators and WWTPs .

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**

Not yet

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

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.

*Q-1 What specific policies, rules and regulations, including awareness programmes, are introduced to minimize food or crop waste?*

On-farm storage, processing and handling techniques are introduced to farmers to reduce post harvest losses. Local storages are being built, as well as cold storages in order to reduce the harvest to market loss. Farmer field schools are used for awareness of farmers at the village level.

*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?*

Yes, farmer field schools, and education through agriculture cooperatives.

*Q-3 What is the average wastage of crops or agricultural produce between farms to consumers, if there is a study in your country?*

Very High (> 20~ 30%)

High (10~20%)

Medium (5~10%)

Low (< 5%)

Negligible (<1%)

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

Reachability to different parts of the country, as agriculture production is spread across the country. As well as lack of basic education of farmers.

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

National Priority Program on Comprehensive Agriculture Development (2012 – 2014)

Food and Nutrition Security Strategy in Agriculture (2015-2020)

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

National comprehensive Agriculture Development Program (2016-2021)

*Is this Goal relevant for your country?*  Highly  Partially  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.

*Q-1 How much amount of – (a) agricultural biomass waste and (b) livestock waste are grossly generated per annum?*

No data is available for this part.

*Q-2 How are most of the agricultural biomass wastes utilized or treated? (Please check all appropriate boxes)*

- as secondary raw material input (for paper, bioplastic, furniture, etc.)
- biogas/electricity generation
- composts/fertilizers
- mostly left unutilized or open dumped
- mostly open burned

*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.*

Conservation agriculture is being introduced as part Ministry of Agriculture’s new extension policy.

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

N/A, technical and financial constraints.

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

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

| III. 3R Goals for New and Emerging Wastes  |  |
|--|--|
| <b>Goal 12</b>   | Strengthen regional, national, and local efforts to address the issue of <b>waste, in particular plastics</b> 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>   |  |
| The solid waste management policies cover the water pollution part.  |  |
| <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 checked="" type="checkbox"/> Not at all   |  |
| We don't have coastal zones in Afghanistan.  |  |
| <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 (&lt;5 mm) on coastal and marine species? If yes, please provide relevant websites.</i> |  |
| N/A  |  |
| <i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>   |  |
| N/A  |  |
| <i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>   |  |
| N/A  |  |
| <i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>  |  |
| N/A  |  |
| <i>Is this Goal relevant for your country?</i> <input type="checkbox"/> Highly <input type="checkbox"/> Partially <input checked="" 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 |   |
|---------------------|--------------------------|---|
|                     |                          | Take to recycling center / resource recovery facilities |
|                     |                          | Take to landfill  |
| √                   | 1                        | Take to the retailer                                    |
|                     |                          | Take to local charity for re-use                        |
| √                   | 2                        | Take to second-hand shop for re-use                     |
|                     |                          | Ship back to the manufacturer                           |
|                     |                          | Ship back to the manufacturer                           |
|                     |                          | Recycle in another country                              |
|                     |                          | 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)?**

N/A

**Q-3 How much amount of e-waste is generated and recycled per year?**

| Type of e-waste  | Estimated total volume generated (ton/year) | % of collected by permitted recycler | % of volume recycled in collected |
|------------------|---|--------------------------------------|-----------------------------------|
| Television       | N/A   |                                      |                                   |
| Computer         | N/A   |                                      |                                   |
| Mobile phone     | N/A   |                                      |                                   |
| Refrigerators    | N/A   |                                      |                                   |
| Washing machines | N/A   |                                      |                                   |
| Air conditioners | N/A   |                                      |                                   |
| Others...        |   |                                      |                                   |

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

N/A

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

N/A

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**

N/A

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

**III. 3R Goals for New and Emerging Wastes**

**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.

*Q-1 What specific policies and regulations are introduced to prevent illegal import and export of e-waste?*

N/A

*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?*

Yes       No

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

N/A

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

*Is this Goal relevant for your country?*     Highly       Partially       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.

***Q-1 What specific Extended Product Responsibility (EPR) policies are enacted or introduced? (If there is none, then skip Q-2 below)***

N/A

***Q-2 Please provide a list of products and product groups targeted by EPR nationally?***

N/A

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

N/A

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

N/A

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

N/A

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

III. 3R Goals for New and Emerging Wastes

**Goal 16** Promote the 3R concept in health-care waste management.

**Q-1** What specific policies and regulations are in place for healthcare waste management?

Major government and large private hospitals are sorting their waste and handling it by incineration and proper safe disposal.

**Q-2** What is the total annual government expenditure towards healthcare waste management (US\$ per year)?

N/A (Only 5 hospitals with approx. 3000 beds have their waste management facilities)

**Q-3** List the agencies or authorities responsible for healthcare waste management.

National Environmental protection agency  
Ministry of Public Health

**Q-4** What is the common practice for disposal of healthcare wastes?

(Please check the appropriate box and add if any other practice followed)

open dumping (untreated)

open burning (untreated)

ordinary landfilling (untreated)

sanitary landfilling (treated)

Low cost small scale incineration (do not meet air emission standards)

Highly controlled air incineration (dedicated/modern medical waste incinerators)

Other methods (please specify names: )

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

Technical, financial and regulations un availability has caused hurdles in proper health waste management system.

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

N/A

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**

N/A

**Is this Goal relevant for your country?**  Highly  Partially  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.

*Q-1 What specific policies and guidelines are introduced for product standard (towards quality/durability, environment/eco-friendliness, labour standard)?*

N/A

*Q-2 What specific energy efficiency schemes are introduced for production, manufacturing and service sector?*

N/A

*Q-3 What specific policies are introduced to create green jobs in product and waste sector?*

N/A

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

N/A

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

*Is this Goal relevant for your country?*    Highly    Partially    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.

*Q-1 Please share how climate mitigation is addressed in waste management policies and programmes for co-benefits?*

Proper handling and disposal would ultimately avoid air pollution, GHG gas emission, water pollution and soil pollution. The policies made for SWM takes into consideration these factors of climate change.

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

Stricter regulations and compliance is needed.

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

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

Sanitation master plan for Kabul city.

*Is this Goal relevant for your country?*    Highly    Partially    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.

*Q-1 What specific policies are introduced to encourage triangular cooperation between government, scientific & research institutions and private/business sector in 3R areas?*

Upto now only awareness in public and government efforts has been made to do master plans for some of the big cities.

*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.)?*

Ministry of Urban development, Independent directorate of local governance, SHAHAR (USAID) project and university of Kabul.

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

N/A

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

City wide sanitation planning for all major cities of Afghanistan alongwith detailed sanitation master plan for Kabul city.

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

| IV. 3R Goals for Cross-cutting Issues  |   |
|--|---|
| <b>Goal 20</b>   | 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. |
| <p><b>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?</b> (Please check all applicable)</p> <p> <input checked="" type="checkbox"/> NGOs ✓                 <input type="checkbox"/> Industrial Association<br/> <input type="checkbox"/> Local Government                 <input type="checkbox"/> Academic Institution<br/> <input type="checkbox"/> Others, please add/specify ( )             </p> |   |
| <p><b>Q-2 What is the level of NGOs' involvement in 3R, sustainable production and consumption, resource efficiency related promotional activities?</b> (Please check the appropriate box)</p> <p> <input type="checkbox"/> Very high                 <input type="checkbox"/> Moderate                 <input checked="" type="checkbox"/> Low                 <input type="checkbox"/> Almost Negligible             </p>  |   |
| <p><b>Q-3 What is the level of citizens' awareness on beneficial aspects of 3R, sustainable production and consumption and resource efficiency.</b> (Please check the appropriate box)</p> <p> <input type="checkbox"/> Very high                 <input type="checkbox"/> Moderate                 <input type="checkbox"/> Low                 <input checked="" type="checkbox"/> Almost Negligible             </p>  |   |
| <p><b>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</b><br/>N/A</p>  |   |
| <p><b>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</b><br/>N/A</p>  |   |
| <p><b>Important policies/programmers/projects/master plans the government plans to undertake within next five years (2016~2021)</b><br/>Developing 3R policy, as well as strategic plan for Major cities.</p>  |   |
| <p><b>Is this Goal relevant for your country?</b> <input checked="" type="checkbox"/> Highly <input type="checkbox"/> Partially <input type="checkbox"/> Not at all</p>  |   |



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.

*Q-1 Provide a list of formal programmes that addresses areas of 3R and resource efficiency as part of the academic curriculum?*

It is not part of the academic curriculum, however several projects of the government are run in schools for children for their awareness and dissemination into their families.

*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.*

More concentration is on advertisement, tv shows, flyers, conferences and radio advertisements.

*Q-3 Please provide a list of academic and research institutions offering PhD programmes in the areas of 3Rs and resource efficiency?*

N/A

*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?*

N/A

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

N/A

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

*Is this Goal relevant for your country?*  Highly  Partially  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.

*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.*

Ministry of Urban development  
National Environmental Protection Agency  
Independent Directorate of Local Governance.  
Ministry of Public health

*Q-2 What type of coordination mechanism are there among ministries and agencies for a resource efficient economic development?*

- Official regular coordination meeting among ministries and agencies
- Official ad-hoc coordination meeting among ministries and agencies
- Informal meeting among ministries and agencies
- Other coordination mechanisms (please add/specify)

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

Lack of proper coordination among the stakeholders and ambiguous responsibilities.

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

*Is this Goal relevant for your country?*    Highly    Partially    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.

*Q-1 What specific policies are introduced to promote green and social responsible procurement?*

N/A

*Q-2 Please provide details of eco-labelling schemes of your country.*

N/A

*Q-3 Please provide a list of criteria for eco-labeled products and services in your country.*

N/A

*Q-4 Please provide the list of Ministries and major Government Agencies which have adopted green procurement policy.*

N/A

*Q-5 What % of municipalities have adopted the green procurement policy?*

N/A

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

N/A

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

*Is this Goal relevant for your country?*  Highly  Partially  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.

*Q-1 Are there any government subsidy programmes that directly or indirectly favour unsustainable use of resources (raw materials, water, and energy)? If so, please provide a list of such programmes along with the responsible Ministry or Agency administering and implementing it.*

N/A

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

N/A

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

*Is this Goal relevant for your country?*    Highly    Partially    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.**

***Q-1 Is waste management a public health priority in your country?***

Yes it is a national priority.

***Q-2 What are the rules and regulations to prevent open dumping and open burning of waste?***

Rules and regulations does exist for avoiding open dumping and burning, however implementation is always the problem.

***Q-3 Rank the five most important rivers in terms of water quality (BOD values) passing through major cities and urban areas?***

Kabul river

Amu river

Helmand River

Panjshir river

Logar river

***Q-4 What are the specific laws, rules and regulations in place to prevent littering in river and water bodies?***

National Environmental protection agency and Ministry of Energy and water has guidelines for avoiding water pollution and waste dumping into the water bodies.

***Q-5 What are the specific laws, rules and regulations in place to prevent marine littering?***

Ministry of energy and water guidelines for pollution prevention

National environmental protection agency guideline for proper handling of waste in water bodies.

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

Regulations implementation has always been the great challenge due to weak rule of law.

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

N/A

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

N/A

***Is this Goal relevant for your country?***  Highly  Partially  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.

***Q-1 What are major recycling industries in your country?***

Tin, Glass, Paper

***Q-2 Please specify the regulation on transboundary movement of hazardous waste.***

N/A

***Q-3 If your government has restriction on import of non-hazardous waste or quality control of non-hazardous waste, please list it up.***

N/A

***Q-4 Does your government restrict import of remanufactured goods?***

No it doesn't restricts.

***Q-5 Does your government regard remanufactured goods as secondhand goods, and regulate it as secondhand goods?***

No it doesn't do this practice.

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

N/A

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

N/A

***Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)***

N/A

***Is this Goal relevant for your country?***     Highly     Partially     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   |                   | ✓            |               |                 | ✓        |
| Material flow  |                   |              | ✓             |                 | ✓        |
| Cyclical use   |                   |              | ✓             |                 | ✓        |
| Amount of final disposal                                 |                   | ✓            |               |                 | ✓        |
| Disposal to land   |                   | ✓            |               |                 | ✓        |
| Direct disposal to water                                 |                   | ✓            |               |                 | ✓        |
| Import of waste  |                   | ✓            |               |                 | ✓        |
| Export of waste  |                   | ✓            |               |                 | ✓        |
| Total landfilled waste                                   | ✓                 |              |               |                 | ✓        |
| Import of recyclables                                    |                   |              | ✓             |                 | ✓        |
| Export of recyclables                                    |                   |              | ✓             |                 | ✓        |
| Hazardous waste generation (solid, liquid, sludge, etc.) |                   |              | ✓             |                 | ✓        |
| e-waste generation                                       |                   | ✓            |               |                 | ✓        |

*(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?**

Government is trying to establish coordination among all the stakeholders and strengthen the capacity of them to properly collect and handle data.

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

Lower technical capacity, financial constraints.

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

N/A

**Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)**

N/A

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

| IV. 3R Goals for Cross-cutting Issues  |   |
|--|---|
| <b>Goal 28</b>   | Promote heat recovery (waste-to-energy), in case wastes are not re-usable or recyclable and proper and sustainable management is secured. |
| <b><i>Q-1 What are the government policies and programmes, including incentives, for waste-to-energy programmes?</i></b>   |   |
| Government aims to provide some kind of inert incineration plants to the already existing waste collected in last two decades, it is dumped but not safe. Electricity would be generated from these sites. |   |
| <b><i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i></b>  |   |
| Lower technical and financial capacities.  |   |
| <b><i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i></b>  |   |
| <b><i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i></b>   |   |
| Pilot project is supposed to start in major cities of Afghanistan with the support of Donors and PPP.  |   |
| <b><i>Is this Goal relevant for your country?</i></b> <input type="checkbox"/> Highly <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Not at all                                    |   |



| IV. 3R Goals for Cross-cutting Issues   |   |
|---|---|
| <b>Goal 29</b>  | 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>   |   |
| N/A   |   |
| <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> |   |
| N/A   |   |
| <i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>  |   |
| N/A   |   |
| <i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>  |   |
| N/A   |   |
| <i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>   |   |
| N/A   |   |
| <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  |   |
|--|---|
| <b>Goal 30</b>   | 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>   |   |
| N/A  |   |
| <i>Q-2 Please list 3R related projects linked to climate change, biodiversity, disaster management and sustainable tourism. (This is <u>to be reported by SIDS countries only</u>)</i> |   |
| N/A  |   |
| <i>Challenges (policy/ institutional/ technological/ financial) faced in implementation:</i>   |   |
| N/A  |   |
| <i>Examples of pilot projects, master plans and/or policies developed or under development – include websites where relevant</i>   |   |
| N/A  |   |
| <i>Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)</i>  |   |
| N/A  |   |
| <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 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.

*Q-1 What specific policies, programme, including pilot projects, are implemented to promote 3R+ “Return” concept? (This is to be reported by SIDS countries only)*

N/A

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

N/A

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

*Is this Goal relevant for your country?*    Highly    Partially    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.

*Q-1 What is the approximate market size (in US\$) of the informal waste sector?*

It happens in Afghanistan, but the exact data is not available.

*Q-2 Number of annual labor inspections in waste sector?*

N/A

*Q-3 Is health insurance a mandatory to all informal workers in waste sector by law?*

No it is not mandatory.

*Q-4 What specific policies and enforcement mechanisms are in place to prevent illegal engagement of children in waste sector?*

Labor workers are not allowed as per the law of Afghanistan in any sector of business.

*Q-5 Number of landfill sites accessible to register waste pickers?*

There are no registered pickers, everyone can have access to these sites.

*Q-6 Average life span of informal waste workers?*

45

*Q-7 Any government vaccination programmes for informal waste workers?*

No

*Q-8 Any public awareness programmes for informal waste workers on health and safety measures?*

No

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

N/A

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

N/A

*Important policies/programs/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

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

IV. 3R Goals for Cross-cutting Issues

**Goal 33** Promote 3Rs taking into account gender considerations.

*Q-1 Please give a brief assessment on how the national, provincial and municipal governments incorporate gender considerations in waste reduction, reuse and recycle.*

Usually females don't work in waste sector, it is almost dominated by males except some female workers at municipality administrations.

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

N/A

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

N/A

*Important policies/programmes/projects/master plans the government plans to undertake within next five years (2016~2021)*

N/A

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