



# Regional Note

## An Overview of Plastics' Management in South & Southeast Asia

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### Summary

This note aims to provide information about current plastics' management in South and Southeast Asian countries and its impact on trade and climate change. It maps ongoing policies and programmes by the governments to promote a sustainable plastics' management and a more circular plastics' economy. Challenges faced by the governments will be outlined, and recommendations on how to address them will be provided. The goal is to raise awareness about national realities and constraints faced by South and Southeast Asian developing countries in their road towards a more circular plastics' management.

## Introduction

Single-use plastic has been a life-saver tool during the COVID-19 pandemic, whether for surgical masks or food deliveries, but the rise in demand could not be offset with recycled plastic.<sup>1</sup> The decline in plastic scrap volume collected due to the interruption of the economic activity along with low oil prices, which increases the attractiveness of virgin plastics, led to a surge in plastic production.<sup>2</sup> Its rising use endangers the survival of the planet. Even if efforts have been made in the past years to restrain single-use plastic production, most of it still ends up in oceans or waste dumps.<sup>3</sup> Sadly, the immediate priority in surviving the COVID-19 crisis is likely to overshadow plastic policy changes due to economic concerns.<sup>4</sup> Therefore, it is necessary to reassess the importance of plastic waste management to increase resilience and develop new tools for plastic recycling in developing countries.

In 2018, China, the primary plastic waste importer, introduced a ban on certain types of plastic waste imports.<sup>5</sup> It triggered redirection of trade flows to other South-Asian developing countries with less restricted regulations.<sup>6</sup> Members of the Basel Convention highlighted the issue of plastic waste dumping in economies without appropriate treatment facilities once again, and the 187 parties of the Convention gathered to add plastic waste to their agreement. South and Southeast Asian countries analysed in this note (Bangladesh, Cambodia, Lao PDR, Nepal, Pakistan, Sri Lanka and Vietnam) all ratified the Basel Convention. Therefore, from January 2021, those countries should sort plastic waste, and ensure clean, uncontaminated and effectively designed for recycling to be traded freely.<sup>7</sup>

Despite increasing regulations, South-Asian developing and least developed countries still receive tons of illegal waste every year.<sup>8</sup> Furthermore, the lack of a proper plastic waste management policy hinders its recycling.<sup>9</sup> This note will provide information on policies and programmes on plastic management in place in

Bangladesh, Cambodia, Lao PDR, Nepal, Pakistan, Sri Lanka and Vietnam. However, it is to note that plastic waste is not segregated and treated like the remaining waste in most Asian countries.<sup>10</sup> Thus, even though this note's primary focus is on plastic, it is sometimes impossible to distinguish between plastic waste management and general waste management. Finally, the future challenges towards a more circular/sustainable plastics' management systems arising in those countries will be addressed.

## Regional state of play: A close look at current plastic's management systems

### Bangladesh

Nowadays, plastics are used more than ever. In Bangladesh, percentage of plastics in waste ending up at landfills has gone up by 2.60 per cent between 2005 and 2014.<sup>11</sup> This rise in plastic waste (and in waste in general) has led to higher CO<sub>2</sub> emissions than in the past.<sup>12</sup> Being non-biodegradable, plastic waste causes massive environmental problems, especially in developing countries where the waste management system is often deficient.<sup>13</sup> The average waste collection rate of the produced Municipal Solid Waste (MSW) is 35 per cent in Bangladesh's major cities.<sup>14</sup> The remaining waste is often illegally dropped in open dumping sites or landfills, resulting in soil and water pollution.

To counter this issue, the Government of Bangladesh established a National 3R (Reduce, Reuse, Recycle) Strategy for Waste Management in 2010.<sup>15</sup> This strategy aimed to reduce environmental, social, and economic impacts associated with present-day disposal practices. However, this strategy's effect probably was not enough as the World Bank Group implemented ten years later an initiative to promote the 3R principles in the solid waste management sector of Bangladesh.<sup>16</sup>

The strategy implemented by the Government does not encompass the issue of imported plastic waste. In 1993, Bangladesh acceded to the Basel Convention, regulating transboundary

movements of hazardous waste and disposal. The Government then implemented an Import Policy Order banning imports of all sorts of waste.<sup>17</sup> Still, in 2015, the Government of Bangladesh expressed some difficulties with the Basel Convention. When referring to chemical waste, it stated: "some unscrupulous businessmen/importers imports the same chemical through other bordering countries and bring those through land border/check posts that are comparatively less regulated".<sup>18</sup> The Government, therefore, highlighted that it confronted challenges in lack of cooperation by importers in complying with the Basel Convention requirements. Altogether, the Government of Bangladesh does not have any specific regulations regarding plastic waste and lacks resources to recycle it.

## Cambodia

In Cambodia, waste collection and transportation are commonly managed by private companies.<sup>19</sup> Those often do not comply with environmental protocols, and the waste usually ends up either burned or dumped.<sup>20</sup> Still, waste collection rate is relatively high (83 per cent), with 839'500 tons of waste going to Dangkor Landfill.<sup>21</sup> This landfill was established in 2009 with the Japan International Cooperation Agency (JICA) after the closure of the other landfill site for reaching its total capacity. However, the managers did not follow the recommendations by JICA, and the site is now collapsing with offensive odours and breeding of disease vectors as mosquitos.<sup>22</sup> This lack of recycling process's ecological consequences has been roughly estimated to 59'715 tonnes of greenhouse gas per year for the Dangakor Landfill only.<sup>23</sup>

The Fundamental Law on Solid Waste Management (1999) regulates activities related to storage, collection, transport, recycling, and household and hazardous waste disposal. On the trade-related topic, the sub-decree on Solid Waste Management (1999) strictly prohibits the importation of household waste from abroad to the Kingdom of Cambodia.<sup>24</sup> It is reiterated in the Customs Acts which specified that the importation of plastic waste is prohibited.<sup>25</sup> Still, this does not prevent other countries to illegally export their waste to Cambodia. On the 16<sup>th</sup> of July 2019, 83 containers filled with plastic waste were found at the Sihanoukville autonomous port.<sup>26</sup> Following this discovery, Kun Nhim, the director-general of

the General Department of Customs and Excise (GDCE) reminded that any import of plastic waste is banned under the kingdom's law and the importer is subject to penalties.<sup>27</sup> The containers were shipped back to the US and Canada where they came from.<sup>28</sup>

Cambodia has worked with the Government of Japan for many years, which provided several grants to enhance solid waste management. However, this collaboration ended in 2008 because certain conditions of support were not fulfilled.<sup>29</sup> Nowadays, the Waste Management Strategy and Action Plan of Cambodia (2018-2030) defines a roadmap for improving waste management activities and aims to provide authorities with instructions to effectively manage solid waste and plastic specifically.<sup>30</sup> The World Bank Group also has implemented a Solid Waste and Plastic Improvement Project to improve solid waste and plastic management and capacity.<sup>31</sup> The Kingdom of Cambodia is therefore implementing projects to strengthen its plastic waste management. However, those plans and projects do not mention any trade-related measures and focus exclusively on domestic regulations.

## Lao PDR

In Lao PDR, waste collection results from a partnership between the private and the public sector.<sup>32</sup> Still, 60 per cent of the solid waste generated is not collected and ends up disposed in an unsanitary manner, leading to environmental and health degradations.<sup>33</sup> In addition to a poor waste collection system, only 10 per cent of the solid waste collected is recycled.<sup>34</sup> Article 38 of the Environmental Protection Law stipulates that the general and nontoxic solid wastes should be appropriately segregated into relevant types for reuse and recycling based on methods and techniques available and must be disposed of in the areas determined in the regulations.<sup>35</sup> However, informal workers collect recyclables either directly at the source of generation or in landfills.<sup>36</sup> Recyclable materials are usually exported for final processing or treatment in China or Vietnam as there are almost no recycling factories in Lao PDR.<sup>37</sup> Waste ends up in landfill sites that are often inadequate and do not meet international environmental standards.<sup>38</sup> Because of a lack of waste management practices, waste is regularly

burned, resulting in high pollution and significant health repercussions.<sup>39</sup>

Lao PDR has different regulations in place to manage waste and the environment. The Law on Hygiene, Disease Prevention and Health Promotion (2001) includes the main responsibilities for waste management and provides a framework for more detailed regulations.<sup>40</sup> The Environmental Protection Law prohibits the import of hazardous waste, as required by the Basel Convention.<sup>41</sup> However, the implementation and enforcement of this regulation are still needed. Recently, in 2019, the Ministry of Industry and Commerce signed a ministerial order to improve the operations of plastic waste recycling plants.<sup>42</sup> The investment is likely to prove useful considering the increase in plastic waste imports. The UNDP recommended that Lao PDR invest in its capacity to recycle materials such as plastic to reduce its dependency on plastic imports.<sup>43</sup> Finally, the Ministry of Industry and Commerce also authorized the freezing of licenses to new manufacturing plants that would utilize plastic waste as a raw material.<sup>44</sup>

Like other South-East Asian countries, Lao PDR worked with JICA to improve its waste management.<sup>45</sup> The Faculty of Environmental Sciences (FES) of the National University of Lao also implemented a waste management project in 2017. Its goal is to reduce, reuse and recycle waste as much as possible.<sup>46</sup>

## Nepal

The share of plastic waste in Nepal is predominant and accounts for 16 per cent of the total waste.<sup>47</sup> However, 70 per cent of households do not segregate different types of waste, when 25 per cent of their waste could either be reused or recycled.<sup>48</sup> A UNDP study revealed that 76 per cent of the municipalities do not have separate policies/programs for managing plastic waste.<sup>49</sup> The priority of municipalities regarding plastic waste management is rather to raise public awareness.<sup>50</sup>

Due to financial constraints and technical inefficiencies, municipalities are often unable to provide adequate resources for solid waste management. 45 out of 58 municipalities practice open dumping, including riverside and roadside dumping, thus creating public health risk and environmental problems.<sup>51</sup> 22 per cent of

municipalities segregate plastic waste after its collection or directly at landfill sites, but only 14 per cent of municipalities have already practiced recycling of plastic wastes.<sup>52</sup> This does not stand up with the mandate that the Solid Waste Management Act (2011) has provided to municipalities.

Plastic production companies are also reluctant to participate in plastic waste management. 70 per cent of them are unwilling to use alternatives of plastic in their needed operations.<sup>53</sup> High cost and difficulty in transforming one mode of production to another are the main reasons for this refusal as well as the growing demand for plastic.<sup>54</sup>

Waste management is regulated by the Solid Waste Management National Policy (1996)<sup>55</sup> and the Solid Waste Management Act (2011).<sup>56</sup> Both set general advice in order to minimise the effect of waste on health and nature but none is effectively translated into actions and results. Nepal has ratified the Basel Convention and thereby prohibits hazardous waste imports.<sup>57</sup> On top of that, its Environment Protection Act (1997) prohibits imports of all kinds of waste.<sup>58</sup> However, once again, those regulations are not properly enforced. Nepal reported its difficulty to implement and comply with the Basel Convention.<sup>59</sup> It faces challenges in regulating illegal traffic and states that it lacks institutional framework and cooperation at the national level. Nepal claims it needs more support both technically and financially.

In addition to those difficulties, Nepal does not have many programmes in place. In 2005, JICA implemented an Action Plan on Solid Waste Management to enhance five municipalities' waste management.<sup>60</sup> In 2020, the World Bank proceeded to a city-level assessment of Pokhara metropolitan city and drafted a service improvement plan for solid waste management.<sup>61</sup> Some small organisations, such as the Jhuwani Environment Protection Programme<sup>62</sup> and the Himalayan Plastics Project<sup>63</sup> aims to collect plastic waste and raise awareness.

## Pakistan

In Pakistan, waste is mainly gathered primarily by handcarts and donkey pull-carts and is then transported by trucks.<sup>64</sup> Still, the collection rate is quite high and amounts to 60 or 70 per cent.<sup>65</sup>

Some municipalities also hire hand pickers and sanitary workers.<sup>66</sup> Scavengers often come directly to houses to buy papers and plastic waste either for free or for 15-20 Rs per month.<sup>67</sup> However, waste does not always reach its supposed destination. Most of the waste is either burned, dumped or buried in vacant lots.<sup>68</sup> As already mentioned, this often leads to highly toxic gas emanation and health hazards by accumulating flies and mosquitoes.<sup>69</sup> On top of that, the recycling process is relatively low. Scavengers separate recyclables at various steps of waste management.<sup>70</sup> Some private firms tried to implement projects to sort plastic and to sell it to respective recycling industries. Still, due to inadequate resources and an almost negligible recycling process, projects could not come to results.<sup>71</sup>

Pakistan has many regulations in place to avoid imports of hazardous wastes and other wastes for final disposal. Since 1997, the Pakistan Environmental Protection Act defines waste and restricts its imports and exports.<sup>72</sup> The import policy orders of 2010 and 2020 reiterate those restrictions.<sup>73 74</sup>

In 2005, JICA drafted some guidelines for solid waste management in Pakistan.<sup>75</sup> Since then, the North Sindh Urban Services Corporation has assisted the district in designing solid waste management.<sup>76</sup> More recently, in 2018, the Urban Unit implemented a project to modernize and recycle waste in Sahiwal City.<sup>77</sup> Concerning plastic, the ministry of climate change banned the manufacturing, import, sale, purchase, storage and usage of polythene bags in 2019.<sup>78</sup> Finally, UNDP Pakistan collaborated in 2020 with Unilever to make Rahim Yar Khan a zero plastic waste city.<sup>79</sup> As it can be denoted, the few projects in place were targeted at a city/district level rather than at the country level.

## Sri Lanka

According to the Waste Management Authority and the Central Environmental Authority, only half of the waste generated is collected in Sri Lanka.<sup>80</sup> In most cases, it is dumped, creating a negative environmental impact.<sup>81</sup> Furthermore, municipal waste is not segregated at the source of generation.<sup>82</sup>

Regarding the regulations in place, Sri Lanka has ratified the Basel Convention and has a National

Policy on Solid Waste Management which prohibits the importation of post-consumer waste.<sup>83</sup> The national policy aims to provide coherent and comprehensive directions for waste management to meet the short-term challenges in line with medium and long-term sustainable solutions.

After banning the manufacturing and production of polythene products of 20 microns or less in 2006, the Central Environmental Authority (CEA) initiated a 10 years Waste Management Programme with the goal of waste-free Sri Lanka by 2018.<sup>84</sup> This project encompassed the management of plastic waste in its National Post Consumer Plastic Recycling Project. The aim was to i) raise awareness, ii) establish the necessary logistics, and iii) reduce the foreign exchange loss by enhancing recycling.<sup>85</sup> Several plastic waste recycling facilities, compost sites, and biogas plants were built during the first 3 years.<sup>86</sup> Nevertheless, the lack of a unified and coherent strategy led to inconsistent and ineffective practices.<sup>87</sup> Management issues such as shortages of skilled labour, lack of market for low quality recycled plastic and higher production costs led to the closure of most recycling facilities. Moreover, the continual dumping without following the international recommendations for landfills led to the burst of a garbage mountain in 2017, killing 30 people and destroying more than 100 houses.<sup>88</sup>

In 2011, waste management authorities introduced a new recycling concept: recyclables collection centres where citizens could trade recyclables. It has raised awareness and demonstrated recyclables can have value.<sup>89</sup>

## Vietnam

Vietnam has been increasingly concerned with waste management due to its growing population. Its collection rate from households is on average 85 per cent in urban areas and 47.5 per cent in rural areas, which is higher than most South-Asian countries.<sup>90</sup> The informal sector recycles about 10 per cent of the domestic solid waste by gathering the most valuable recyclables directly at the street level.<sup>91</sup> However, even when the municipality collects waste, most of it is still disposed in insufficiently designed and poorly controlled landfills.<sup>92</sup>

Concerning plastic, 3.27 million tons of the latter is generated annually, and 20 per cent is estimated to be recycled.<sup>93</sup> In comparison, more developed countries have recycling rates of around 30 per cent.<sup>94</sup> Hence, Vietnam is not far from achieving a viable plastics recycling industry. Still, more efforts are needed for plastic to be diverted from landfills, monetized and replaced more carbon-intensive virgin plastic material.

However, the existing plastics recycling industry is highly polluting due to poor feedstock quality and a lack of waste infrastructure. The processing of recyclables is mainly carried out in craft villages without proper regulation. This leads to substantial air pollution, water and land, especially when plastics are blown by the wind from uncovered waste or dumpsites.<sup>95</sup> In Minh Khai's recycling craft village, 25-30 per cent of plastic scrap collected for recycling is rejected in nature as residual waste and 7 million litres of wastewater is discharged daily into waterways without treatment.<sup>96</sup> Several Vietnamese cities tried to implement advanced waste technologies with little success. In Hanoi, two compost plants operated until a few years ago, but they had to stop because the compost was unsalable due to a high presence of contaminants such as plastics, metals or glass.<sup>97</sup>

The Decision on the Promulgation of Regulation on Hazardous Waste Management (1999)<sup>98</sup> complies with the Basel Convention and is backed up with the Law on Protection of the Environment, which prohibits the import and transit of waste in any form.<sup>99</sup> In 2015, the country already had a circular<sup>100</sup> and a decree<sup>101</sup> on the authorized scraps for imports. In 2016, Vietnam implemented penalties for administrative violations against regulations on environmental protection.<sup>102</sup> Since China has banned plastic imports in 2018, Vietnam witnessed a sudden rise in plastic scrap imports. In response to this problem, the Prime Minister issued the Directive No. 27/CT-TTG on some urgent measures to strengthen the management of import and use of imported scrap as raw materials for production.<sup>103</sup> According to this regulation, there is no permission for the import of scraps, only for preliminary processing.<sup>104</sup> The directive also aims to ban the import of plastic scrap until 2024. Still, illegal imports of plastic scrap and tax evasion on

scrap shipments remain a major regulatory challenge in Vietnam.<sup>105</sup>

Vietnam committed itself to collect, transport, and treating 100 per cent of non-household waste by 2025 and 85 per cent of waste discharged by households by 2025 in urban areas through the revised national strategy on solid waste management.<sup>106</sup> Multiple projects are currently ongoing in Vietnam, especially concerning marine plastic litter. Among others, the Royal Norwegian Embassy collaborated with the UNDP to elaborate a National Action Plan for the Management of Marine Plastic Litter, one of Vietnam's main problems.<sup>107</sup>

## Ways forward: Facing Existing and Future Challenges

As presented through the different examples, South- and South-East Asian countries face many challenges regarding sustainable/circular plastic waste management. Here is a list of some of their common issues.

### 1. Poor regulatory framework

Basic guidelines on how to regulate waste are in most cases established by the Government's policies. However, often too general and poorly enforced, those do not suffice to ensure good practices and sustainable waste management.<sup>108</sup> Along with administrative challenges that hinder the successful implementation of solid waste management systems, financial constraints often nip the project in the bud. Moreover, the lack of specific regulations regarding plastic waste leads to a unified process for all kinds of waste, thus disabling recycling.<sup>109</sup> Finally, the law's absence of fines and punishment causes great liberty for everyone to manage their waste the way they intend to. As a result, open dumping remains one of the easiest and most common ways to deal with garbage.<sup>110</sup>

### 2. Insufficient resources

South and South-East Asian developing and least developed countries often lack various types of resources to implement an appropriate waste management system: technologies, lands, vehicles and labour are the most common among others. First, the use of traditional methods to

manage garbage tends to waste time and money.<sup>111</sup> Composting usually takes 3 to 5 months with conventional techniques when achieved only within a few days with the appropriate equipment.<sup>112</sup> Some local authorities do not even have a crusher machine to recycle plastic and therefore have to export their waste to see it recycled.<sup>113</sup> Second, practices for waste management such as landfilling, composting and recycling require a lot of space. However, due to the considerable cost induced by environmental and health problems, few are willing to sell or rent their land.<sup>114</sup> Additionally, some cities also lack vehicles to collect and transport waste to their final dumping site. Therefore, waste pickers have to use carts to transfer the waste from cities or villages to landfills.<sup>115</sup> Finally, few workers are willing to work in waste management systems because of the harsh working conditions. The probability to get injured or ill is high, and the job conditions could have irreversible consequences on their health.<sup>116</sup> Hence, workers are often absent and shift to better-paid jobs as soon as they have the opportunity.<sup>117</sup> Waste picking and segregation are also usually done by informal workers. Those are vulnerable groups in the recyclable value chain as they are not subject to any protection scheme. Since the recycling industry's globalisation in the 2000s, fluctuation of prices is quickly disseminated and can directly impact low value-added stakeholders on the other side of the world.<sup>118</sup>

### **3. Lack of awareness**

Even though often defined as the top priority of governments, citizens' lack of awareness is still corrupting proper waste management.<sup>119</sup> A lack of behavioural change in the life of individuals could be the cause of this stagnation.<sup>120</sup> Even though citizens are increasingly educated on the consequences of plastic dumping on the environment and plastic burning on their health, they may lack other options. Besides, plastic is a cheap and easy-to-use material. As replacing it is costly, individuals have reasons to keep using it at the environment's cost.

However, those challenges could be mitigated through the following recommendations.

#### **1. Formulate a robust national policy on plastics' management**

Governments should implement a national plan with key policy objectives and guiding principles. An implementation strategy with a precise timeline should also be included. The national plan should also provide a clear monitoring and evaluation mechanism to ensure its implementation.<sup>121</sup> Furthermore, the plan could be based on the 3R (Reduce, Reuse, Recycle) system.<sup>122</sup> According to this system, the emphasis should first be made on reducing plastic waste consumption by raising awareness and providing viable alternatives. Then, citizens should be encouraged to reuse their items and recycle those that cannot be reused as raw materials. If material recycling is not possible, plastic items should be incinerated and heat recovered through thermal recycling. Finally, remaining plastic items which cannot be utilized by any means should be disposed of properly.

In general, integrated waste management programs should be instituted in order to provide more information than just collecting and disposing of garbage into dumping sites.<sup>123</sup> Regarding plastic, a different plan should be added, especially for plastic waste management and an individual budget.<sup>124</sup> This way, plastic garbage would be treated independently and more adequately, which will allow a more circular plastics' management system in those countries.

On top of that, the Government should provide tools to ensure the transition to a greener and more circular economy. Providing incentives, whether for innovations or waste quantity reduction, should be considered and promoted at national and local levels. The Government should also think about delivering substitute materials at an affordable price, potentially through subsidies.<sup>125</sup>

#### **2. Formulate a solid legal framework on plastics' management**

In addition to a robust national policy, governments should ensure compliance with their plans through a solid legal framework. First, it should implement punishment for rule-breaking such as fees or fines to discourage dissident behaviours. Then, an Extended Producer Responsibility (EPR) scheme should be established, if not already the case. This scheme makes companies accountable for their products'

whole lifecycle and focus on producers' regulations. The EPR should be targeted at plastic packaging and should aim at funding investments in recycling infrastructures.<sup>126</sup> It will ensure waste reduction at source in industries.<sup>127</sup> Finally, the development of tools such as Environmental Performance Indicators (EPI) or eco-labels could give a more precise overview of where the country stands in its policy compared to others.<sup>128</sup>

### **3. Formulate a strong trade policy & strategy**

Between 2016 and 2018, the Association of Southeast Asian Nations (ASEAN) observed growth in plastic waste imports by 171 per cent.<sup>129</sup> Worse, many of the containers were mislabeled as recyclable even though the shipments contained tonnes of contaminated plastic and other mixed wastes from developed countries that cannot be processed in developing countries.<sup>130</sup> Raising import tariffs to increase social welfare and enhance domestic waste management system could be a solution, but it also risks worsening illegal imports.<sup>131</sup> The rise in illegal waste trade calls for a stronger trade policy. On this topic, the World Economic Forum (WEF) recommends building an action plan to combat illegal trade.<sup>132</sup> Besides, regulations on how to deal with illegal trade should be put in place. In the standard plastic waste trade framework, the Basel Convention does not spell out clearly who is responsible for the returned shipments if a country is not signatory to the Convention or if the good under question is not listed as hazardous by the law.<sup>133</sup> Therefore, many developing countries have trouble managing illegal waste imports and report their difficulties to the Basel Convention.<sup>134</sup>

Other policy and process changes should also be made at borders. The Basel Convention is working in cooperation with the World Customs Organization to draft a proposal to refine the Harmonized System (HS) classification.<sup>135</sup> The new system should specify between hard- and easy-to-recycle plastic to enable developing countries to make a conscious choice in their imports.<sup>136</sup>

Finally, trade could be a mean to share technology and spread innovations for recycling. However, some barriers are still in place regarding recycling processes, reuse and take-back business models.<sup>137</sup> Reducing tariffs on technologies for waste management processes would trigger

greater flows of knowledge and information, empowering developing countries.<sup>138</sup> Trade facilitation initiatives have the potential to better equip digital border processes and therefore, should be enhanced.<sup>139</sup>

### **4. Enhance awareness**

Awareness has to be raised amongst citizens and industries. Even though this has been done increasingly in the last years, individuals living far from cities still often miss basic information.<sup>140</sup> Traditional ways of advertising could be used such as television, radio commercials, posters, handbills or banners.<sup>141</sup> However, solutions should be provided hand in hand with raising awareness. Timetables to collect separated waste should be published and available to everyone and a monetary incentive for those who comply should be given.<sup>142</sup> Targeting the new generation and educating children at schools could also be a way to secure proper future waste management.<sup>143</sup>

Information about plastics pollution should also be provided to concerned industries. Bringing knowledge on plastics waste management or existing alternatives to plastics directly to companies will help target the problem at its source. On top of those insights, industry compliance with the regulations should be ensured through increased monitoring, inspection and enforcement.<sup>144</sup>

### **5. Encourage labor force**

As demonstrated by multiple studies, the informal sector frequently mixes with waste management actors.<sup>145</sup> Their integration is primordial in order to improve collection and sorting efficiency. Legitimizing their identity and profession would empower them socially. Scavengers should be seen as proper stakeholders and should have their rights enhanced.<sup>146</sup> They need to have access to protections and a better salary in order to ensure a strong collaboration with the state waste management company. The concerned industry would also benefit from a legitimate labour force. Workers will be less absent and the job turnover will be reduced. Besides, it will attract additional potential workers to the industry thanks to safer and more regulated work.



## Annex: Snapshot of ongoing public and private efforts on circular plastics' management

### Bangladesh

Title of the policy /initiative/programme	Responsible Institution & Date	Objectives	Trade angle / linkages	Weblink
Government's Rules and Regulations				
Basel Convention	Basel Convention	Restrict hazardous waste imports	Strict prohibition of imports of hazardous wastes for final disposal and recovery & ratification of Basel Convention on plastic	<a href="http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx">http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx</a>
Bangladesh Environment Act	Department of Environment (1995)	Recommends standards for disposal of different types of solid waste	No trade linkage	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Bangladesh02-ACT1.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Bangladesh02-ACT1.English.pdf</a>
Environment Conservation Rules	Ministry of Environment and Forest (1997)	Recommends standards for disposal of mainly industrial waste	No trade linkage	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Bangladesh01-RULE.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Bangladesh01-RULE.English.pdf</a>
Urban management policy statement	Bangladesh (1998)	Municipalities shall endeavor to contract out solid waste disposal, public sanitation, drain cleaning and road maintenance	No trade linkage	Not available on public domain. Mentioned in: <a href="http://www.isca.in/IJSS/Archive/v5/i10/7.ISCA-IRJSS-2016-113.pdf">http://www.isca.in/IJSS/Archive/v5/i10/7.ISCA-IRJSS-2016-113.pdf</a>
Hazardous Waste and Ship Breaking Waste Management Rules	Ministry of Shipping (2011)	Detailed regulation on environment-friendly ship-breaking and hazardous waste management	Restrictions on waste importation	<a href="http://old.doe.gov.bd/law/law.php?cmd=download&amp;id=4">http://old.doe.gov.bd/law/law.php?cmd=download&amp;id=4</a>
Import Policy Order	Ministry of Commerce (2015-2018)	Regulate importation	Prohibit importation of any kind of waste into Bangladesh	<a href="http://extwprlegs1.fao.org/docs/pdf/bgd171057.pdf">http://extwprlegs1.fao.org/docs/pdf/bgd171057.pdf</a>
Projects and Programmes				
Poverty reduction strategy paper	IMF (2005)	To improve the waste management system, special focus with promotion of 3R and segregation of waste at source	Trade reforms and export responses not linked to waste	<a href="https://www.preventionweb.net/files/9305_cr05410.pdf">https://www.preventionweb.net/files/9305_cr05410.pdf</a>
Dhaka environment management plan	Bangladesh (2005)	To promote waste recycling and discourage landfilling	No trade linkage	Not available on public domain. Mentioned in: Ohidul Alam, Xiuchen Qiao (2020). An in-depth review on municipal solid waste management, treatment and disposal in Bangladesh. Sustainable Cities and Society 52. Available at: <a href="https://www.sciencedirect.com/science/article/pii/S2210670719307061">https://www.sciencedirect.com/science/article/pii/S2210670719307061</a>

National CDM Strategy	Bangladesh (2005)	Promoting pro-poor CDM projects on waste sector by harnessing carbon financing	No trade linkage	Not available on public domain. Mentioned in:  Ohidul Alam, Xiuchen Qiao (2020). An in-depth review on municipal solid waste management, treatment and disposal in Bangladesh. Sustainable Cities and Society 52. Available at: <a href="https://www.sciencedirect.com/science/article/pii/S2210670719307061">https://www.sciencedirect.com/science/article/pii/S2210670719307061</a>
National Sanitation Strategy	Ministry of local Government, Rural Development and Cooperatives (2005)	To achieve 100% sanitation coverage by 2010. Emphasis on resource recovery and recycling.	No trade linkage	<a href="https://www.humanitarianresponse.info/sites/www.humanitarianresponse.info/files/documents/files/policy_sanitationstrategy_2005.pdf">https://www.humanitarianresponse.info/sites/www.humanitarianresponse.info/files/documents/files/policy_sanitationstrategy_2005.pdf</a>
National 3R Strategy for Waste Management	Department of Environment (2010)	Reducing environmental, social and economic impacts associated with present day disposal practices	No trade linkage	<a href="http://old.doe.gov.bd/publication_images/4_national_3r_strategy.pdf">http://old.doe.gov.bd/publication_images/4_national_3r_strategy.pdf</a>
Project for strengthening of solid waste management in Dhaka City	JICA (2011)	Strengthen the solid waste management in Dhaka City	No trade linkage	<a href="https://openiicareport.iica.go.jp/pdf/1000003616_01.pdf">https://openiicareport.iica.go.jp/pdf/1000003616_01.pdf</a>
Strengthening Medical Waste Management in the Greater Dhaka Area for Foreign, Commonwealth and Development Office	Government of UK (2020-2021)	Raise awareness, supply material	No trade linkage	<a href="https://wasteconcern.org/projects/">https://wasteconcern.org/projects/</a>
Promotion of 3R principles in the solid waste management sector in Bangladesh	WorldBank Group (2020-2021)	Support Ministries in finalization and approval of SWM Rules	No trade linkage	<a href="https://wasteconcern.org/projects/">https://wasteconcern.org/projects/</a>

## Cambodia

Title of the policy /initiative/programme	Responsible Institution & Date	Objectives	Trade angle / linkages	Weblink
Government's Rules and Regulations				
Basel Convention	Basel Convention	Restrict hazardous waste imports	Strict prohibition of imports of hazardous wastes for final disposal and recovery & ratification of Basel Convention on plastic	<a href="http://www.basel.int/Countries/ImportExportRestrictions/tabid/4835/Default.aspx">http://www.basel.int/Countries/ImportExportRestrictions/tabid/4835/Default.aspx</a>
Sub-Decree on Solid Waste Management, No 36	Royal Government of Cambodia, Council of Ministers (1999)	Regulate solid waste management with proper technical manner and safe way in order to ensure the protection of human health and the conservation of bio-diversity	Importation of household waste from abroad to the Kingdom of Cambodia shall be strictly prohibited	<a href="https://data.opendevelopmentmekong.net/dataset/511ce6fc-bdc1-45f0-9ab2-0424626a4b82/resource/58a85196-614a-496e-b526-2f28fcd7e68/download/665f617e-a4ae-4b8a-8ece-d2f69f610fc1.pdf">https://data.opendevelopmentmekong.net/dataset/511ce6fc-bdc1-45f0-9ab2-0424626a4b82/resource/58a85196-614a-496e-b526-2f28fcd7e68/download/665f617e-a4ae-4b8a-8ece-d2f69f610fc1.pdf</a>
Guideline on Sludge Waste Management at Factories - Enterprises	Kingdom of Cambodia (2000)	Guidelines for industrial solid waste	No trade linkage	Not available on public domain. Mentioned in:

				UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Directive on Industrial Hazardous Waste Management, No.87	Kingdom of Cambodia (2000)	Guidelines for industrial solid waste	No trade linkage	Not available on public domain. Mentioned in:  UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Inter-Ministerial Declaration of Ministry of Interior-Ministry of Environment on Waste and Solid Waste Management in Province/Municipalities of Cambodia, No. 80	Ministry of Environment of Cambodia (2003)	Improve the responsibility of an authority and involved institutions for mental and efficient implementation on solid waste management	No trade linkage	<a href="https://www.orbit-online.net/images/orbit-downloads/0_Country_files/0_1_Cambodia/en/Environmental_Guidelines_on_Solid_Waste_Management_in_Cambodia.pdf">https://www.orbit-online.net/images/orbit-downloads/0_Country_files/0_1_Cambodia/en/Environmental_Guidelines_on_Solid_Waste_Management_in_Cambodia.pdf</a>
Guideline on Solid Waste Management at factories, enterprises and companies, No. 11	Kingdom of Cambodia (2003)	Guidelines for industrial solid waste	No trade linkage	Not available on public domain. Mentioned in:  UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Sub-Decree No. 446 on the organization and function of the Department of Hazardous Substance Management	Kingdom of Cambodia (2015)	Guidelines for industrial solid waste	No trade linkage	Not available on public domain. Mentioned in:  UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Sub-Decree on Urban Solid Waste Management, No. 113	Royal Government of Cambodia (2015)	Clarify municipalities and districts' mandate on solid waste management at the municipal level with the support and coordination by provincial administrations	No trade linkage	<a href="https://www.ajne.org/sites/default/files/resource/laws/7216/sub-decree-113-on-garbage-and-municipal-waste-management-translated.pdf">https://www.ajne.org/sites/default/files/resource/laws/7216/sub-decree-113-on-garbage-and-municipal-waste-management-translated.pdf</a>
Declaration No. 387 on enforcement to standard level the amount of toxic or hazardous substance that allow to abandoned	Ministry of Environment (2015)	Guidelines for industrial solid waste	No trade linkage	<a href="https://www.ajne.org/sites/default/files/resource/guides/7202/prakas-387-on-standards-for-hazardous-waste.pdf">https://www.ajne.org/sites/default/files/resource/guides/7202/prakas-387-on-standards-for-hazardous-waste.pdf</a>
Sub-decree on Management of Plastic Bags No. 168	Kingdom of Cambodia (2017)	Aims to increase effectiveness of plastic reduction by regulating importation, production and distribution	Regulates importation of plastic bags	<a href="https://data.opendevlopmentmekong.net/dataset/sub-decree-no-168-on-the-management-of-plastic-bags/resource/ea9eef5-78db-4ba9-b9c3-ad5135ba1d47">https://data.opendevlopmentmekong.net/dataset/sub-decree-no-168-on-the-management-of-plastic-bags/resource/ea9eef5-78db-4ba9-b9c3-ad5135ba1d47</a>

Customs Act	Kingdom of Cambodia (2021)	List of prohibited and restricted import goods	Importation of waste of plastic is prohibited	<a href="http://www.customs.gov.kh/wp-content/uploads/2015/04/ANUKRET_17_on_THE_ENFORCEMENT_OF_THE_LIST_OF_PROHIBETED_AND_RESTRICTED.pdf">http://www.customs.gov.kh/wp-content/uploads/2015/04/ANUKRET_17_on_THE_ENFORCEMENT_OF_THE_LIST_OF_PROHIBETED_AND_RESTRICTED.pdf</a>
<b>Phnom Penh Regulations</b>				
Draft Strategy And Methodology For Improving Waste Management and Cleansing, Collection and Transport of Solid Waste in Phnom Penh Capital	Kingdom of Cambodia	Guidelines for Municipal Solid Waste	No trade linkage	Not available on public domain. Mentioned in: UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Sechkdey Chun Damnoeng (Notification) On Waste Storage, Cleansing, Waste Discharge and Penalties On Improper Waste Disposal in Phnom Penh Municipality No.13	Kingdom of Cambodia (2013)	Guidelines for Municipal Solid Waste	No trade linkage	Not available on public domain. Mentioned in: UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Instruction Plan On Waste Separation Promotion in Phnom Penh Municipality, No. 08	Kingdom of Cambodia (2010)	Guidelines for Municipal Solid Waste	No trade linkage	Not available on public domain. Mentioned in: UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Instruction Plan On the Application of Penalties To Promote Environmental Sanitation Raising in Phnom Penh Municipality, No. 09	Kingdom of Cambodia (2010)	Guidelines for Municipal Solid Waste	No trade linkage	Not available on public domain. Mentioned in: UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Sechkdey Nainoam (Instruction) On Penalties On Waste Disposal In Public Area, No.16	Kingdom of Cambodia (2010)	Guidelines for Municipal Solid Waste	No trade linkage	Not available on public domain. Mentioned in: UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Declaration on Industrial Solid Waste Collection and Transport in Phnom Penh and Kandal, No. 148	Kingdom of Cambodia (2002)	Guidelines for Municipal Industrial Solid Waste	No trade linkage	Not available on public domain. Mentioned in: UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>

Declaration on the permission Sarom Trading to collect and transport industrial wastes from Phnom Penh and Kankal province, no. 156	Kingdom of Cambodia (2001)	Guidelines for Municipal Industrial Solid Waste	No trade linkage	Not available on public domain. Mentioned in: UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
<b>Projects and Programmes</b>				
JICA project on solid waste management improvement for the municipality of Phnom Penh including capacity building and infrastructure development	Government of Japan (October 2006-March 2008)	Project to strengthen Phnom Penh's waste management system	No trade linkage	<a href="https://www.iica.go.jp/english/our_work/social_environmental/id/asia/southeast/category_c.html">https://www.iica.go.jp/english/our_work/social_environmental/id/asia/southeast/category_c.html</a>
Environmental Guidelines on Solid Waste Management in Kingdom of Cambodia	MOE Cambodia & Comped (2006)	Capacity building and policy reinforcement	No trade linkage	<a href="https://comped-cam.org/Documents/developmentguideline/06_03_25_Environmental%20gl%20on%20swm_END.pdf">https://comped-cam.org/Documents/developmentguideline/06_03_25_Environmental%20gl%20on%20swm_END.pdf</a>
Pilot Project	Khan Daun Penh district with CINTRI and PPCH (2014)	Optimise waste collection operations through strategic use of GPD and GIS systems	No trade linkage	Not available on public domain. Mentioned in: UNEP, IGES (2020). <i>State of Waste Management in Phnom Penh, Cambodia</i> . Available at: <a href="https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia">https://www.unep.org/ietc/resources/report/state-waste-management-phnom-penh-cambodia</a>
Waste Management Strategy and Action Plan of Cambodia (2018-2030)	Phnom Penh Capital Administration, UNEP, IGES, Cambodia Climate Change Alliance, Nexus	Defines a roadmap for improving waste management practices and aims to provide authorities at all levels with instructions to effectively manage solid waste and plastic	No trade linkage	<a href="https://www.ccet.jp/sites/default/files/2018-12/Phnom%20Penh%20Waste%20management%20strategy%20and%20action%20plan%202018-2035_web.pdf">https://www.ccet.jp/sites/default/files/2018-12/Phnom%20Penh%20Waste%20management%20strategy%20and%20action%20plan%202018-2035_web.pdf</a>
Solid Waste and Plastic Management Improvement Project	World Bank Programme (2020)	Improve solid waste and plastic management and capacity	No trade linkage	<a href="https://ewsddata.rightsindevelopment.org/files/documents/76/WB-P170976_b0dvtv55.pdf">https://ewsddata.rightsindevelopment.org/files/documents/76/WB-P170976_b0dvtv55.pdf</a>
Combatting Marine Plastic Litter in Cambodia	National Council for Sustainable Development, UNDP	Combat marine plastic litter	No trade linkage	<a href="https://info.undp.org/docs/pdc/Documents/KHM/Draft%20prodoc_plastic%20waste_Dec%2017.2020_clean_1.pdf">https://info.undp.org/docs/pdc/Documents/KHM/Draft%20prodoc_plastic%20waste_Dec%2017.2020_clean_1.pdf</a>

## Lao PDR

Title of the policy /initiative/programme	Responsible Institution & Date	Objectives	Trade angle / linkages	Weblink
Government's Rules and Regulations				
Basel Convention	Basel Convention	Restrict hazardous waste imports	Strict prohibition of imports of hazardous wastes for final disposal and recovery & ratification of Basel Convention on plastic	<a href="http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx">http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx</a>
Disposal Advices and Protection Environment Regulation	Lao PDR (1991)			Not available on public domain. Mentioned in:  CAC (2015). <i>Solid Waste Management City Profile. Vientiane Capital, LAO People's Democratic Republic</i> . Available at: <a href="https://www.waste.ccacoalition.org/sites/default/files/files/vientiane-city_profile_vientiane_capital_lao.pdf">https://www.waste.ccacoalition.org/sites/default/files/files/vientiane-city_profile_vientiane_capital_lao.pdf</a>
Regulation on the monitoring control of waste discharge	Lao PDR (1998)			Not available on public domain. Mentioned in:  CAC (2015). <i>Solid Waste Management City Profile. Vientiane Capital, LAO People's Democratic Republic</i> . Available at: <a href="https://www.waste.ccacoalition.org/sites/default/files/files/vientiane-city_profile_vientiane_capital_lao.pdf">https://www.waste.ccacoalition.org/sites/default/files/files/vientiane-city_profile_vientiane_capital_lao.pdf</a>
Law on Hygiene, Disease Prevention and Health Promotion	President's Office (2001)	Define main responsibilities for waste management and provides framework for more detailed regulations	No trade linkage	<a href="https://www.vientianetimes.org.la/Laws%20in%20English/46.%20Law%20on%20Hygiene,%20Disease%20Prevention%20and%20Health%20Promotion%20(2001)%20Eng.pdf">https://www.vientianetimes.org.la/Laws%20in%20English/46.%20Law%20on%20Hygiene,%20Disease%20Prevention%20and%20Health%20Promotion%20(2001)%20Eng.pdf</a>
Decree on Waste Management form Health Care Facilities	Lao PDR (2004)	Separation into 3 fractions, collection, storage and handling guidelines	No trade linkage	Not available on public domain. Mentioned in:  CAC (2015). <i>Solid Waste Management City Profile. Vientiane Capital, LAO People's Democratic Republic</i> . Available at: <a href="https://www.waste.ccacoalition.org/sites/default/files/files/vientiane-city_profile_vientiane_capital_lao.pdf">https://www.waste.ccacoalition.org/sites/default/files/files/vientiane-city_profile_vientiane_capital_lao.pdf</a>
Restricted, Environmental Protection Law	National Assembly (revised in 2013)	Compliance to the Basel convention conditions	Strict prohibition of imports of hazardous wastes for final disposal and recovery & ratification of Basel Convention on plastic	<a href="http://extwprlegs1.fao.org/docs/pdf/lao151747.pdf">http://extwprlegs1.fao.org/docs/pdf/lao151747.pdf</a>

Ministerial order to protect the environment and improve the operations of plastic waste recycling plants	Ministry of Industry and Commerce (2019)	Authorized the freezing of licenses to new manufacturing plants that would utilize plastic waste as raw material	No trade linkage	<a href="http://annx.asianews.network/content/industry-ministry-orders-suspension-plastic-waste-recycling-plants-102439">http://annx.asianews.network/content/industry-ministry-orders-suspension-plastic-waste-recycling-plants-102439</a>
<b>Projects and Programmes</b>				
Lao PDR UNESCO Country Strategy	UNESCO (2020-2021)	Promote solutions for plastic waste management in Lao PDR through innovation and education	No trade linkage	<a href="https://gdc.unicef.org/media/3846/download">https://gdc.unicef.org/media/3846/download</a>
Trying to deal with waste management in Vientiane	UNDP (2020)	Map waste management system, identify gaps, deploy targeted intervention	No trade linkage	<a href="https://www.la.undp.org/content/laopdr/en/home/blog/2020/before-the-bins--what-s-really-going-on-.html">https://www.la.undp.org/content/laopdr/en/home/blog/2020/before-the-bins--what-s-really-going-on-.html</a>
Second Lao Environment and Social Project (LENS2)	World Bank (2020)	Unallocated budget will support strengthening progress on improved plastic management	No trade linkage	<a href="https://laoepf.org/la/wp-content/uploads/formidable/32/AM-LENS2-ISM-October-26-November-13-2020.pdf">https://laoepf.org/la/wp-content/uploads/formidable/32/AM-LENS2-ISM-October-26-November-13-2020.pdf</a>
Circular economy strategies for Lao PDR	UNDP (2017)	Redefine resource efficient and low-carbon development	No trade linkage	<a href="https://www.undp.org/content/dam/LECB/docs/pubs-reports/undp-lecb-circular-economy-strategies-for-laos-pdr-20170911.pdf">https://www.undp.org/content/dam/LECB/docs/pubs-reports/undp-lecb-circular-economy-strategies-for-laos-pdr-20170911.pdf</a>
JICA Grass Root Waste Management Project	Kyoto City of Japan, VCOMS, MONRE (2015-2018)	Provide training, improving waste collection, raise awareness	No trade linkage	<a href="https://www.jica.go.jp/laos/english/office/other/s/c8h0vm000082pqu5-att/brochure.pdf">https://www.jica.go.jp/laos/english/office/other/s/c8h0vm000082pqu5-att/brochure.pdf</a>
Laos Pilot Program for Narrowing the Development Gap towards ASEAN Integration, Environmental Management Component	Lao PDR, MoNRE, ASEAN Secretariat, JICA (2015)	Promotion of environmentally sustainable cities in Lao PDR	No trade linkage	<a href="https://openicareport.jica.go.jp/pdf/12245338.pdf">https://openicareport.jica.go.jp/pdf/12245338.pdf</a>
FES Waste Management Project	Faculty of Environmental Sciences (FES), National University of Laos (2017)	Reduce, reuse and recycle waste as much as possible	No trade linkage	Not available on public domain. Mentioned at: <a href="http://plastic-edu.com/en/2019/11/26/2nd-preparatory-workshop-vientiane-capital-laos/">http://plastic-edu.com/en/2019/11/26/2nd-preparatory-workshop-vientiane-capital-laos/</a>

## Nepal

Title of the policy /initiative/programme	Responsible Institution & Date	Objectives	Trade angle / linkages	Weblink
<b>Government's Rules and Regulations</b>				
Basel Convention	Basel Convention	Restrict hazardous waste imports	Strict prohibition of imports of hazardous wastes for final disposal and recovery & ratification of Basel Convention on plastic	<a href="http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx">http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx</a>
Solid Waste Management National Policy	Ministry of Local Development (1996)	Minimize adverse effects of waste on human health and nature	No trade linkage	<a href="https://www.opmcm.gov.np/wp-content/uploads/npolicy/Urban/SolidwasteManagementPolicy_2053.pdf">https://www.opmcm.gov.np/wp-content/uploads/npolicy/Urban/SolidwasteManagementPolicy_2053.pdf</a>

Environment Protection Act	Government of Nepal (1997)	Contains management and transportation of waste	Prohibits import of all kinds of wastes	<a href="http://www.investnepal.gov.np/portal/index.php?p1=download&amp;f=cmVzb3VyY2VfYzY1MDFhYTdhYjcxZDgucGRmOjpfbnZpcm9ubWVudCBQcm90ZWNoaW9uIEFjdC5wZGY=">http://www.investnepal.gov.np/portal/index.php?p1=download&amp;f=cmVzb3VyY2VfYzY1MDFhYTdhYjcxZDgucGRmOjpfbnZpcm9ubWVudCBQcm90ZWNoaW9uIEFjdC5wZGY=</a>
Hazardous Waste Management	1997			Not available on public domain. Mentioned in:  Asian Development Bank (2013). <i>Solid Waste Management in Nepal. Current Status and Policy Recommendations</i> . Available at: <a href="https://www.adb.org/publications/solid-waste-management-nepal-current-status-and-policy-recommendations">https://www.adb.org/publications/solid-waste-management-nepal-current-status-and-policy-recommendations</a>
Solid Waste Management Act	Constituent Assembly (2011)	Arrange systematic and effective management of solid waste	No trade linkage	<a href="http://extwprlegs1.fao.org/docs/pdf/nep137767.pdf">http://extwprlegs1.fao.org/docs/pdf/nep137767.pdf</a>
Plastic Bag Regulation and Control Directive	Ministry of Environment (2011)	Production of plastic bags below 20 microns is prohibited. Also identifies the responsibilities of the plastic producers, importers, sellers and users and tries to make them accountable for the plastic they produce/use.	No trade linkage	Not available on public domain. Mentioned in:  <a href="http://www.sandeeonline.org/uploads/documents/abstract/1092_ABS_Final_WP_111_Bis_hal_.pdf">http://www.sandeeonline.org/uploads/documents/abstract/1092_ABS_Final_WP_111_Bis_hal_.pdf</a>
National Environment Policy and Environment Protection Act	Federal Government (2019)	Mitigate adverse environmental impacts on the environment and biodiversity	No trade linkage	<a href="http://blogs2.law.columbia.edu/climate-change-litigation/wp-content/uploads/sites/16/non-us-case-documents/2019/20191018_074-WO-0283_na.pdf">http://blogs2.law.columbia.edu/climate-change-litigation/wp-content/uploads/sites/16/non-us-case-documents/2019/20191018_074-WO-0283_na.pdf</a>
<b>Projects and Programmes</b>				
City-level Assessment and Draft Service Improvement Plan for Solid Waste Management for Pokhara Metropolitan City	WB Group & GPRBA (2020)	Provide a city-level assessment and draft a service improvement plan	No trade linkage	<a href="http://documents1.worldbank.org/curated/en/781861592375493786/pdf/Strategic-Assessment-of-Solid-Waste-Management-Services-and-Systems-in-Nepal-City-Level-Assessment-and-Draft-Service-Improvement-Plan-for-Solid-Waste-Management-For-Pokhara-Metropolitan-City.pdf">http://documents1.worldbank.org/curated/en/781861592375493786/pdf/Strategic-Assessment-of-Solid-Waste-Management-Services-and-Systems-in-Nepal-City-Level-Assessment-and-Draft-Service-Improvement-Plan-for-Solid-Waste-Management-For-Pokhara-Metropolitan-City.pdf</a>
Jhuwani Environment Protection Programme	Jhuwani	Cleaning up, school and distribution programmes	No trade linkage	<a href="https://www.jhuwani-environment.com/activities">https://www.jhuwani-environment.com/activities</a>
Himalayan plastics project	Solerico	Collecting and up cycling plastic waste into usable products	No trade linkage	<a href="https://www.solerico.com/himalayan-plastics-project">https://www.solerico.com/himalayan-plastics-project</a>
Action Plan on Solid Waste Management	Government of Nepal & JICA (2005)	Formulate Action Plans on solid waste management for five municipalities	No trade linkage	<a href="https://openicareport.jica.go.jp/pdf/11808672.pdf">https://openicareport.jica.go.jp/pdf/11808672.pdf</a>



## Pakistan

Title of the policy /initiative/programme	Responsible Institution & Date	Objectives	Trade angle / linkages	Weblink
Government's Rules and Regulations				
Basel Convention	Basel Convention	Restrict hazardous waste imports	Prohibition of imports of hazardous wastes for final disposal and recovery & ratification of Basel Convention on plastic	<a href="http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx">http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx</a>
Pakistan Environmental Protection Act	Senate Secretariat (1997)	Define waste, restrict imports and exports	Restriction of exports and imports of hazardous wastes and other wastes for final disposal	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Pakistan02-ACT1997.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Pakistan02-ACT1997.English.pdf</a>
Revised National Environmental Quality Standards	Pakistan Environmental Protection Council (2000)	Define standards applicable to industrial effluent	No trade linkage	<a href="https://epd.punjab.gov.pk/system/files/Revised%20NEQS%202000.pdf">https://epd.punjab.gov.pk/system/files/Revised%20NEQS%202000.pdf</a>
Draft Hazardous Substance Rules	Pakistan (2003)	Definition of hazardous substances and regulations around licenses	No trade linkage	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Pakistan01-RULES2003.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Pakistan01-RULES2003.English.pdf</a>
National Environmental Policy	Minsitry of Environment (2005)	Regulates waste management	No trade linkage	<a href="https://mowr.gov.pk/wp-content/uploads/2018/05/National-Environmental-Policy-2005.pdf">https://mowr.gov.pk/wp-content/uploads/2018/05/National-Environmental-Policy-2005.pdf</a>
Import Policy Order	Minsitry of Commerce (2009-2010)	Regulation of imports	Bans import of hazardous waste except special authorization	<a href="https://www.commerce.gov.pk/wp-content/uploads/pdf/IPO_2009.pdf">https://www.commerce.gov.pk/wp-content/uploads/pdf/IPO_2009.pdf</a>
Statutory Notifications	Ministry of Climate Change (2019)	Banning of manufacturing, import, sale, purchase, storage and usage of polythene bags	Bans import of polythene bags	<a href="http://www.environment.gov.pk/images/regulations/PlasticBan2019.pdf">http://www.environment.gov.pk/images/regulations/PlasticBan2019.pdf</a>
Import Policy Order	Minsitry of Commerce (2020)	Regulation of imports	Bans import of hazardous waste except special authorization	<a href="https://www.commerce.gov.pk/wp-content/uploads/2020/09/Import-Policy-Order-25-09-2020.pdf">https://www.commerce.gov.pk/wp-content/uploads/2020/09/Import-Policy-Order-25-09-2020.pdf</a>
Projects and Programmes				
Solid Waste Management Guidelines (draft)	JICA (2005)	Improvement measures of waste management	No trade linkage	<a href="https://www.waste.ccacoalition.org/sites/default/files/files/swmglinesdraft.pdf">https://www.waste.ccacoalition.org/sites/default/files/files/swmglinesdraft.pdf</a>
North Sindh Urban Services Corporation Limited (NSUSC)	ADB (2014)	Assist the district government in design and treatment of water supply sanitation and solid waste management	No trade linkage	<a href="https://www.adb.org/sites/default/files/project-document/153245/37220-023-emr-10.pdf">https://www.adb.org/sites/default/files/project-document/153245/37220-023-emr-10.pdf</a>
Segregation, Treatment and Disposal (STD) Facility for Solid Waste Management in Sahiwal City	The Urban Unit, Urban Sector Policy & Management Unit P&D Department (2018)	Modernizing municipal solid waste management	No trade linkage	<a href="http://urbanunit.gov.pk/UU/Projects_Detail?Id=19">urbanunit.gov.pk/UU/Projects_Detail?Id=19</a>

Make Rahim Year Khan a Zero Plastic Waste City	UNDP Pakistan & Unilever (2020)	Make Rahim Year Khan a Zero Plastic Waste City	No trade linkage	<a href="https://www.unilever.pk/news/press-releases/2020/undp-and-unilever-pakistan-work-together.html">https://www.unilever.pk/news/press-releases/2020/undp-and-unilever-pakistan-work-together.html</a>
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## Sri Lanka

Title of the policy /initiative/programme	Responsible Institution & Date	Objectives	Trade angle / linkages	Weblink
<b>Government's Rules and Regulations</b>				
Basel Convention	Basel Convention	Restrict hazardous waste imports	Prohibition of imports of hazardous wastes for final disposal and recovery & ratification of Basel Convention on plastic	<a href="http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx">http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx</a>
National Policy on Solid Waste Management	Ministry of Environment and Natural Resources (2007, revised in 2018)	To provide coherent and comprehensive directions for waste management in the country to meet the acute short term challenges in line with medium and long term sustainable solution	Importation of post-consumer waste shall be prohibited	<a href="http://mmde.gov.lk/web/images/pdf/2018/nationalwastemanagementpolicy-english.pdf">http://mmde.gov.lk/web/images/pdf/2018/nationalwastemanagementpolicy-english.pdf</a>
Regulations for Hazardous Waste Management	Central ENvironmental Authority (2008)	Regulations on Hazardous waste management	No trade linkage	<a href="http://www.cea.lk/web/scheduled-waste-management-hazardous-waste-management-licensing">http://www.cea.lk/web/scheduled-waste-management-hazardous-waste-management-licensing</a>
National Environmental Act	Minister of Environment and Natural Resources (2008)	License for emission or disposal of waste	No trade linkage	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Srilanka01-REGUL1.2008.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Srilanka01-REGUL1.2008.English.pdf</a>
<b>Projects and Programmes</b>				
National Strategy for Solid Waste Management	Sir Lanka Government (2000)	Implement a sustainable strategy for solid waste management	No trade linkage	<a href="https://books.google.ch/books/about/National_Strategy_for_Solid_Waste_Manage.html?id=gw9PAQAAIAAJ&amp;redir_esc=y">https://books.google.ch/books/about/National_Strategy_for_Solid_Waste_Manage.html?id=gw9PAQAAIAAJ&amp;redir_esc=y</a>
Solid Waste Management Strategy	Management resources for good governance (2005)	Engaging an affordable mix of appropriate technical options to Reduce, Reuse, Recycle & Reject	No trade linkage	<a href="http://www.fukuoka.unhabitat.org/programmes/scp/sri_lanka/pdf/CCA_2-2_Summary_Kotte_SWM_strategy.pdf">http://www.fukuoka.unhabitat.org/programmes/scp/sri_lanka/pdf/CCA_2-2_Summary_Kotte_SWM_strategy.pdf</a>
Municipal Waste Recycling Programme	Ceylon Chamber of Commerce and Ministry of Mahaweli Development	Develop producer responsibility to increase accountability and minimize plastic mismanagement	No trade linkage	<a href="http://www.ft.lk/environment/Planet-or-plastic-is-Sri-Lanka-making-the-right-choices/10519-676698">http://www.ft.lk/environment/Planet-or-plastic-is-Sri-Lanka-making-the-right-choices/10519-676698</a>
Progressive waste management systems	Plasticcycle	Aimed at reducing plastic pollution, through encouraging reduction in the use of single-use plastics, supporting responsible disposal and promoting recycling initiative.	No trade linkage	<a href="https://plasticcycle.lk/">https://plasticcycle.lk/</a>

Ampara Environmental Remediation Programme	European Commission	Improving solid waste management and surface water drainage in Sri Lanka	No trade linkage	<a href="https://europa.eu/capacity4dev/file/64403/download?token=oxLDRrci#:~:text=The%20Environmental%20Remediation%20Programme%20(ERP)%20was%20set%20up%20in%20the,degradation%20in%20the%20Ampara%20district.">https://europa.eu/capacity4dev/file/64403/download?token=oxLDRrci#:~:text=The%20Environmental%20Remediation%20Programme%20(ERP)%20was%20set%20up%20in%20the,degradation%20in%20the%20Ampara%20district.</a>
Experts in Pollution Control and Reduction of Environmental Burden in Waste management	JICA (2017-2019)	Achieving sustainable waste management compatible with local characteristics - Passing on a Rich Natural Environment to Future Generations by Reducing Environmental Impact	No trade linkage	<a href="https://www.jica.go.jp/english/publications/j-world/1810_02.html">https://www.jica.go.jp/english/publications/j-world/1810_02.html</a>
Project for Formulation of Western Province Solid Waste Management Master Plan	JICA (2019-2022)	Establish and implement proper solid waste management policy system and plan	No trade linkage	<a href="https://www.jica.go.jp/english/our_work/social_environmental/id/asia/south/srilanka/c8h0vm0000c1fbao.html">https://www.jica.go.jp/english/our_work/social_environmental/id/asia/south/srilanka/c8h0vm0000c1fbao.html</a>

## Vietnam

Title of the policy /initiative/programme	Responsible Institution & Date	Objectives	Trade angle / linkages	Weblink
Government's Rules and Regulations				
Basel Convention	Basel Convention	Restrict hazardous waste imports	Prohibition of imports of hazardous wastes for final disposal and recovery & ratification of Basel Convention on plastic	<a href="http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx">http://www.basel.int/Countries/CountryProfiles/tabid/4498/Default.aspx</a>
Law on Environment Protection	Socialist Republic of Vietnam (1993, in revision)	Main policy for waste management, under revision for inclusion of an EPR for plastic packaging	Under revision for inclusion on differences between waste and scrap and stricter conditions and guidance on importing of scrap materials as a raw material	<a href="http://extwprlegs1.fao.org/docs/pdf/vie4890.pdf">http://extwprlegs1.fao.org/docs/pdf/vie4890.pdf</a>
Decree on implementation of the law on Environmental Protection	Socialist Republic of Vietnam (1994)	Detail implementation of law on environmental protection	No trade linkage	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Vietnam02-DECREE1994.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Vietnam02-DECREE1994.English.pdf</a>
Decision on the Promulgation of Regulation on Hazardous Waste Management	Government Decree (1999)	Management of hazardous wastes to prevent and minimize their harmful impacts to the environment and human health	Comply with Basel Convention	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Vietnam03-REGUL1999.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Vietnam03-REGUL1999.English.pdf</a>
Law on Protection of the Environment	National Assembly (2001)	Regulate environmental protection activities	Prohibition of importing and transiting waste in any form	<a href="https://www.ilo.org/dyn/natlex/docs/ELECTRONIC/73671/125789/F-1191853968/VNM73671%20Eng.pdf">https://www.ilo.org/dyn/natlex/docs/ELECTRONIC/73671/125789/F-1191853968/VNM73671%20Eng.pdf</a>
Decision promulgating the environmental protection regulation applicable to discarded materials imported for use as production raw material	Minister of Natural Resources and Environment (2004)	Prescribe protection applicable to import, transportation, storage and use of discarded materials as raw materials	Restriction importation of waste	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Vietnam01-DECISION2004.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-NATLEG-NOTIF-Vietnam01-DECISION2004.English.pdf</a>

Decision on approving National Strategy of Integrated Solid Waste Management up to 2025, vision towards 2050	Prime Minister (2009)	Strategy for managing solid waste, recycling, reduction rate in plastics bags in supermarkets	No trade linkage	<a href="https://www.uncrd.or.jp/content/documents/PM%20Decision%20of%20Approval%20of%20NSISWM%20(Eng).pdf">https://www.uncrd.or.jp/content/documents/PM%20Decision%20of%20Approval%20of%20NSISWM%20(Eng).pdf</a>
Law on Environmental Tax	Socialist Republic of Vietnam (2010)	Tax objects such as plastics bags	No trade linkage	Not available on public domain. Mentioned in: <a href="https://www.unescap.org/sites/default/files/50.%20CS-Viet-Nam-Environmental-Protection-Tax-Law.pdf">https://www.unescap.org/sites/default/files/50.%20CS-Viet-Nam-Environmental-Protection-Tax-Law.pdf</a>
Law on Environmental Protection	Minister of Natural Resources and Environment (2014)	Provide statutory provisions on environmental protection activities	Prohibition of importing and transiting waste substances from overseas countries in any form	<a href="http://ljiip.vn/web/images/stories/enviroment_documents/Law%20on%20Environmental%20Protection%20No%2055.2014.QH13.pdf">http://ljiip.vn/web/images/stories/enviroment_documents/Law%20on%20Environmental%20Protection%20No%2055.2014.QH13.pdf</a>
Circular on environmental protection in the import of scraps for use as production materials	Minister of Natural Resources and Environment (2015)	Provide list of scraps permitted for import from overseas for use as production material	Provide list of scraps permitted for import from overseas for use as production material	<a href="http://extwprlegs1.fao.org/docs/pdf/vie168559.pdf">http://extwprlegs1.fao.org/docs/pdf/vie168559.pdf</a>
Decree on the management of wastes and scraps	The Government (2015)	Prescribe the management of wastes and environmental protection in the import of scraps	State conditions for importing scraps	<a href="http://extwprlegs1.fao.org/docs/pdf/vie168524.pdf">http://extwprlegs1.fao.org/docs/pdf/vie168524.pdf</a>
Penalties for Administrative Violations against Regulations on Environmental Protection	The Government (2016)	Deals with violations, penalties measures against administrative violations against regulations on environmental protection	Violations against scraps imports	<a href="https://vanbanphapluat.co/decree-155-2016-nd-cp-penalties-administrative-violations-against-regulations-on-environmental-protection">https://vanbanphapluat.co/decree-155-2016-nd-cp-penalties-administrative-violations-against-regulations-on-environmental-protection</a>
Directive on a number of urgent solutions for enhancement of management of scrap import and use of imported scrap for production purpose (Directive 27/CT-TTG)	Prime Minister (2018)	Directive on a number of urgent solutions for enhancement of management of scrap import and use of imported scrap for production purpose	Scrap importers are not allowed through checkpoints by roads or railroads. Revise list of permitted scrap for import. No permit for import for purpose of processing and re-sale.	<a href="https://english.luatvietnam.vn/irective-no-27-ct-ttg-dated-september-17-2018-of-the-prime-minister-on-a-number-of-urgent-solutions-for-enhancement-of-management-of-scrap-import-a-167054-Doc1.html">https://english.luatvietnam.vn/irective-no-27-ct-ttg-dated-september-17-2018-of-the-prime-minister-on-a-number-of-urgent-solutions-for-enhancement-of-management-of-scrap-import-a-167054-Doc1.html</a>
Directive on ban on importing plastic scrap by 2024 (Directive Number 2227/VPCP-KITH)	Prime Minister (2018)	Plastics recycling industry will depend on domestic sources of plastics scrap, particularly after 2024 when the full ban is in place.	Ban on importing plastic scrap by 2024	Ibid
National Technical Regulations on Wastes	Ministry of Natural Resources and Environment (2018)	Technical regulations on environment for imported scrap	Requirements on detailed contents of the contract on importing plastic scraps and compulsory commitments (types, pre-cleaning, classification and labeling)	<a href="https://www.cciclondon.com/portal/article/index/cat_id/35/id/286.html">https://www.cciclondon.com/portal/article/index/cat_id/35/id/286.html</a>
<b>Projects and Programmes</b>				
Development of E-Waste Inventory in Vietnam	MOE Japan, MONRE Vietnam, EX Corporation (2007)	Control or prevent the potential damage of e-wastes in Vietnam	Import is major part of e-waste even though it is prohibited	<a href="http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-E-waste-REP-ProjectReport-Vietnam.200707.English.pdf">http://www.basel.int/Portals/4/download.aspx?d=UNEP-CHW-E-waste-REP-ProjectReport-Vietnam.200707.English.pdf</a>

Decision on planning on construction of solid waste treatment facilities in three Northern, Central Vietnam and Southern key economic regions up to 2020	Prime Minister (2008)	Develop a network of regional solid waste treatment facilities to treat, recycle or reuse waste, to restrict waste landfill and increase the effectiveness in treatment of solid wastes	No trade linkage	<a href="https://english.luatvietnam.vn/decision-no-1440-qd-ttg-dated-october-06-2008-of-the-prime-minister-approving-the-planning-on-construction-of-solid-waste-treatment-facilities-in-th-38599-Doc1.html">https://english.luatvietnam.vn/decision-no-1440-qd-ttg-dated-october-06-2008-of-the-prime-minister-approving-the-planning-on-construction-of-solid-waste-treatment-facilities-in-th-38599-Doc1.html</a>
Decision on approving the plan on building solid waste treatment facilities in the Mekong River Delta key economic region through 2020	Prime Minister (2010)	Develop a network of regional solid waste treatment facilities to treat, recycle or reuse waste, to restrict waste landfill and increase the effectiveness in treatment of solid wastes	No trade linkage	<a href="https://luatminhkhue.vn/en/decision-no-1873-qd-ttg-dated-october-11--2010-of-the-prime-minister-approving-the-plan-on-building-solid-waste-treatment-facilities-in-the-mekong-river-delta-key-economic-region-through-2020.aspx">https://luatminhkhue.vn/en/decision-no-1873-qd-ttg-dated-october-11--2010-of-the-prime-minister-approving-the-plan-on-building-solid-waste-treatment-facilities-in-the-mekong-river-delta-key-economic-region-through-2020.aspx</a>
Master plan for solid waste management in Car river basin to 2020	Prime Minister (2013)	Identify 15 waste treatment complexes to be constructed	No trade linkage	<a href="http://extwprlegs1.fao.org/docs/pdf/vie113236.pdf">http://extwprlegs1.fao.org/docs/pdf/vie113236.pdf</a>
Master plan for solid waste management in Nhue-Day river basin to 2020	Prime Minister (2015)	Identify 18 waste treatment complexes to be constructed	No trade linkage	<a href="https://vision-associates.com/wp-content/uploads/2018/12/Legal-News-February-2015.pdf">https://vision-associates.com/wp-content/uploads/2018/12/Legal-News-February-2015.pdf</a>
Master plan for Dong Nai river basin	Prime Minister (2015)	Identify 34 waste treatment complexes to be constructed	No trade linkage	<a href="https://vanbanphapluat.co/01-2007-qd-ttg">https://vanbanphapluat.co/01-2007-qd-ttg</a>
The Project for Establishment of Environmentally Sound Management of Construction and Demolition Waste and Its Wise Utilization for Environmental Pollution Control and for New Recycled Construction Materials in Vietnam	JICA (2018-2023)	Promote sound management and recycling of construction waste in Vietnam by establishment of guidelines for treatment of construction waste and standard quality for recycled materials	No trade linkage	<a href="https://www.ist.go.jp/global/english/kadai/h2901_vietnam.html">https://www.ist.go.jp/global/english/kadai/h2901_vietnam.html</a>
National Action Plan for Management of Marine Plastic Litter by 2030	Royal Norwegian Embassy, VASI, UNDP (2020)	Implement innovation and contribute to implementation of national strategy for general management of solid waste	No trade linkage	<a href="https://quest4action.org/wp-content/uploads/2020/09/VietnamNationalActionPlanonMarineLitter2020.pdf">https://quest4action.org/wp-content/uploads/2020/09/VietnamNationalActionPlanonMarineLitter2020.pdf</a>
Global Plastic Action Partnership	Vietnam & WEF (2020)	Reshaping the plastics sector to deliver a more sustainable marine economy by 2030	No trade linkage	<a href="https://globalplasticaction.org/countries/vietnam/">https://globalplasticaction.org/countries/vietnam/</a>



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