

OFFICIAL PROJECT PLAN

PROJECT TRASH PATROL



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Background

ORGANIZATION BACKGROUND & HISTORY

Green Channel Foundation is a research based, action-oriented not-for-profit organization that seeks to promote elements of a Green Economy in Bangladesh. The organization's primary goal is to solve the waste problem in the country by creating sustainable and efficient systems of waste collection, segregation and treatment, alongside developing new and creative ways of solving environmental issues in the 21st century.

Green Channel was founded in June 2011 and officially registered in July 2014. We have a core team of thirty members (forming the Governing Body, Executive Body, Advisory Body and General Members), and a volunteer-base of 500+ who have worked with us intermittently in various events. Find us at:



PROJECT MISSION

The mission of this project is to create a sustainable process of disposing street-waste and to instill a culture of organized waste-management among the people. The project involves setting up trashcans all over Dhaka City in an endeavor to reduce littering habits at the individual level and to create an organized process at the systems level.

PROJECT SUMMARY

Location: Dhaka City (Please see the *Phases & Locations Section* for the specific roads to be covered under each phase)

Timeline: June 2012 – December 2015

Budget: BDT 45,02,250 (USD 56,278)

Partners: This project is being undertaken in partnership with Dhaka City Corporation.

CONSEQUENCES OF WASTE INDISCIPLINE

Mishandling of waste can have a variety of consequences on our every day life. Besides creating an unhealthy and unhygienic living environment, it is responsible for the spread of diseases, pollution of lakes and water bodies leading to loss of biodiversity and the inefficient use of land and our resources. It is extremely important that we organize and manage the waste management sector of our country, which is an infrastructural necessity for all other sectors to survive.

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Goals

Organizational Goals must be S.M.A.R.T

Specific
Measurable
Achievable
Relevant
Timely

Following is a brief description of each goal set by the *Project Trash Patrol Team*. These goals will be addressed in more detail using the SMART tool in the following sections of this document.

GOAL #1: SET UP TRASHCANS ALL OVER DHAKA

The Project aims to set up trashcans in all public roads of Dhaka City, in an effort to create a systematic process of street-waste disposal and in the long run to create a much cleaner city. The project will be replicated in the rest of the country only after building a successful model in Dhaka.

GOAL #2: CHANGE LITTERING HABITS IN DHAKA

The Project also aims to change the culture of waste management and how we think about it today. Littering is a very common practice in Bangladesh, especially in public areas. This Project will eliminate littering habits and encourage people to adopt environmentally friendly practices.

Design & Operation

TRASHCAN DESIGN

The design of the trashcans is centered around three factors:

- Durability – The Trashcans will be made out of steel in order to ensure durability
- Fixability – The Trashcan will be fixed to electric poles (via chain and lock) to prevent theft.
- Convenience – The Trashcans will be designed in a way that can be easily emptied.

The trashcans will also bear messages on their bodies designed to encourage their use.

OPERATION:

Green Channel is responsible for the funding and setting up of the trashcans, while Dhaka City Corporation (DCC) is responsible for emptying the trash on a regular basis.



Spots and Number of Trashcans

Each road in Dhaka will, on average, have about 10 trashcans set up. The Project has been divided into 16 phases, covering a specific area of the city in each phase. Please see the *Phases & Locations Section* for the specific roads to be covered under each phase.

Timeline	<i>Phases 1 – 2:</i>	<i>July – December 2012</i>
	<i>Phases 3 – 4:</i>	<i>January – June 2013</i>
	<i>Phases 5 – 10:</i>	<i>January – June 2015</i>
	<i>Phase 11 – 16:</i>	<i>July – December 2015</i>

Awareness Campaigns

Every installation phase will be followed by an on-site awareness campaign where volunteers will inform nearby stores, shops, vendors and passers-by about the new trashcans and encouraging them to use them. During this campaign, volunteers will be also picking litter from the streets in order to set a positive example.

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Budget

UNIT AND TOTAL COSTS:

Exchange: (1 USD = BDT 80)

Sl. no.	Item	Price (BDT)	Quantity	Total Cost (BDT)
1	Trashcan (including painting main color)	4500	North Dhaka 83 roads * 5 trashcans (in each road) = 415 trashcans South Dhaka 80 roads * 5 trashcans (in each road) = 400 Total: 815 Trashcans	36,67,500 (USD 45,843)
2	Chains	35 per feet	8 feet per trashcan So, 6520 feet for 815 trashcans	2, 28,200 (USD 2,852)
3	Locks	150	815	1,22,250 (USD 1,528)
4	Painting	Approximately 10,000 for 20 bins (BDT 500 per trashcan)	815	4,07,500 (USD 5093)
5	Pick up services	1600 per day	16 phases (3 days for each phase) - 48 days	76, 800 (USD 960)
			Total	45,02,250 USD 56,278

* Projected expenses are based on expenses from the experimentation phase

** The number of trashcans are an estimate at the moment (but it should not be too different)

FUNDING SOURCES IN THE PAST

We are an organization supported by *Global Giving*, which is a fundraising website that gives social entrepreneurs and non-profits from anywhere in the world the opportunity to raise funds. In the past we have received funds from the Bill and Malinda Gates Foundation, Colorado College, Sheltech, Meridian, UWC Society of Bangladesh, Nitol Insurance and personal donations through Global Giving.

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Phases & Locations

Dhaka City is split into 2 parts and 92 wards

North Dhaka (36 wards): wards 1 -23, 37-47, 54 and 55

South Dhaka (56 wards) : wards 24-36,48-53, 56-92

North Dhaka

Phase 1

Wards	Areas	Main Roads
19	Gulshan Banani Karail	Gulshan Avenue Kamal Ataturk Avenue Gulshan-Badda Link Road Gulshan-Baridhara Link Road Gulshan-Tejgaon Link Road International Airport Road
20	Mohakhali	Mohakhali-Gulshan Link Road
37	Tejgaon I/A	Shaheed Tajuddin Road

Phase 2

Wards	Areas	Main Roads
38	West Nakhalpara East Nakhalpara Shahinbagh	Old Airport Road International Airport Road(leading from Mohakhali)
39	Tegaon	Pantha Path Green Road

Phase 3

Wards	Areas	Main Roads
22	Rampura	DIT Road
23	Khilgaon Choudhuripara	
54	Nayatola Moghbar	New Circular Road Shaheed Tajuddin Road New Eskaton Road Kazi Nazrul Islam Avenue

55	Nayatola	
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Phase 4

Wards	Areas	Main Roads
17	Khlikhet Bashundhara R/A Nikunja Housing	International Airport Road Pragati Sharani Apollo Hospital road in Bashundhara R/A*
18	Badda Baridhara Baridhara Embassy Zone	Madani Avenue(Gulshan-Baridhara Link Road)
21	Dakhin Badda Adarsha Nagar DIT Project	DIT Road(Pragati Sharani) Gulshan-Badda Link Road

*Roads inside Bashundhara R/A are not classified as main roads under the DCC map. None of the roads in Bashundhara R/A are not recognized by the DCC as main roads.

Phase 5

Wards	Areas	Main Roads
1	Uttara Model Town	Dhaka Mymensingh Road(International Airport Road) Rabindra Sharani Shahjalal Sharani Jashimuddin Road Sonargaon Janapath Gausul Azam Avenue Alalul Avenue

Phase 6

Wards	Areas	Main Roads
16	Kafrul Taltala	Begum Rokeya Sharani Bijoy Sharani Old Airport Road Mazar Road
40	Sher-e-Bangla Nagar	Lake Road Manik Mia Avenue

		Begum Rokeya Sharani Mirpur Road Agargaon Road Indira Road
41	Sher-e-Bangla Nagar Agargaon	Begum Rokeya Sharani
42	Adabar	Ring Road
43	Adabar	
44	Adabar	Asad Avenue Sat-Masjid Road
45	Mohammadpur Lalmatia	Road 16 Sat-Masjid Road Asad Avenue
46	Mohammadpur	
47	West Dhanmondi	

Phase 7

Wards	Areas	Main Roads
9	Gabtolli	Dhaka-Aricha Highway(extending from Mirpur Road)
10	Darus Salam	Mirpur Road Mazar Road
11	Kallayanpur Darus Salam	Dar-Us-Salam Road
12	Darus Salam	
13	Mirpur Shewrapara Pirerbagh Paikpara Monipur Kazipara	
14	Mirpur Kazipara Senpara Parbata Mirpur Section 14	

Phase 8

Wards	Areas	Main Roads
6	Rupnagar R/A Mirpur Section 7 Mirpur Section 8	Milk Vita Road Begum Rokeya Sharani
7	Mirpur Section 2	Mazar Road
8	Mirpur Section 1 Shah Ali	

Phase 9

Wards	Areas	Main Roads
2	Pallabi Mirpur Section 12	Begum Rokeya Sharani Ceramic Avenue
3	Mirpur Section 10 Rupnagar R/A (Extention)	Mazar Road
4	Mirpur Section 18	
5	Mirpur Section 11	
15	Bhashantek	[no main roads here]

South Dhaka (56 wards) : wards 24-36,48-53, 56-92

Phase 10

Wards	Areas	Main Roads
24	Khilgaon	Sayedabad Road DIT Road
25	Goran	[no main roads here]
26	Rampura	[no main roads here]
34	Shantibag	Sayedabad Road(Kamalapur Road) Outer Circular Road
35	Shantibag Malibagh	New Circular Road
53	Ramna Shiddheshwari	Shaheed Captain Munsur Ali Sharani Kazi Nazrul Islam Avenue

Phase 11

Wards	Areas	Main Roads
48	Hazaribagh	[no main roads here]
49	Dhanmondi	Mirpur Road Sat-Masjid Road Road 2 Road 16
50	Kalabagan	Green Road Sonargaon Road
51	Kalabagan	
52	New Market	Azimpur Road(Mirpur Road ext.) New Elephant Road Hazaribagh Road
58	Hazaribagh	[no main roads here]

Phase 12

Wards	Areas	Main Roads
32	Motijheel	DIT Avenue DIT Extension Road Toyenbee Circular Road Fazle Rabbi Road
33	Motijheel	Outer Circular Road Station Road
36	Paltan	Kakrail VIP Road Shaheed Syed Nazrul Islam Sharani Kakrail Road

Phase 13

Wards	Areas	Main Roads
56	Shahbag	Zahir Raihan Sharani/ Shaheed Kamruzzaman Sharani Bhashani Road Hare Road Kakrail Road
57	Shahbag	Shahbag Road(New Elephant Road)

		Nilkhet Road Kazi Nazrul Islam Avenue Kataban Road
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Phase 14

Wards	Areas	Main Roads
59-66	Azimpur Lalbagh Bakshi Bazar	Azimpur Road Mitford Road Zahir Raihan Sharani Water Works Road
67-73	Chakbazar Kotwali Bangshal	Zahir Raihan Sharani/ Shaheed Kamruzzaman Sharani North South Road Kazi Alauddin Road Nawab Eusuf Road Islampur Road English Road Buriganga Bridge no. 2 Nawabpur Road

Phase 15

Wards	Areas	Main Roads
74, 77-79	Bangshal Narinda Lakshmi Bazar Wari Sutrapur Gandaria	Khal Road BK Dash Road Nawabpur Road
80-83	Sutrapur Gandaria Chandaria Dayaganj	Keshab Benarjee Road Pipe Road
87-90	Shayampur Postagola Mir Hazaribag Jurain	Dhaka-Naraynganj Road Bangladesh-China Friendship Bridge

Phase 16

Wards	Areas	Main Roads
31, 75	Kamalapur South Kamalapur Gopibagh Tikatuli	Outer Circular Road Hatkha Road Fazle Rabbi Road Toyenbee Circular Road Ashish Dipankar Road
27-30	Golapbagh Sabujbagh Basabo	Basabo-Madartek Road Ashish Dipankar Road Kamalapur Manda Road
76	Saidabad	Folder Street
84-86	Jatrabari	Shahid Faruque Road Dhaka Narayanganj Road Demra Road

***Wards 91 and 92** consisting of areas **Kamrangir Char** and **North Keraniganj** are still under construction