



No. SUDA-993/2022/৬৫৭৫

Date. 20.08.2026

From. Deputy Director, SUDA

To. The Director  
Swachh Bharat Mission (U)  
Ministry of Housing and Urban Affairs  
Government of India

**Sub:** Action Plan on Clean Himalayan Hill Cities Initiatives for 5 Cities of  
Darjeeling and Kalimpong Districts of West Bengal  
Madam,

Kindly find **enclosed** the Minutes of SLTC meeting with detailed Action  
Plan on Clean Himalayan Hill Cities Initiatives for 5 Cities of Darjeeling and  
Kalimpong Districts of West Bengal i.e. Darjeeling Municipality, Kurseong  
Municipality, Mirik Notified Area Authority, Siliguri Municipal Corporation  
and Kalimpong Municipality with a total project cost of **Rs.10.80 crore**.

I am directed to forward this for your kind information for according  
necessary approval and release of fund.

Yours faithfully

**Enclo:** As stated above

*Kio/8/25*  
Deputy Director, SUDA

**Minutes of the 11<sup>th</sup> meeting of State Level Technical Committee (SLTC)  
regarding review and sanction of the projects to be implemented under  
SBM -U 2.0**

|                     |                                                    |
|---------------------|----------------------------------------------------|
| In the Chair :      | Additional Chief Secretary, UD & MA Department     |
| Meeting Date :      | 23 <sup>rd</sup> July, 2026                        |
| Meeting Venue :     | 6 <sup>th</sup> floor Conference Hall of Nagarayan |
| Meeting Time :      | 12.00 Noon                                         |
| Meeting Attendees : | (Attached)                                         |

Additional Chief Secretary, UD & MA Department chaired the meeting.

At the outset, a discussion was held regarding several activities of Swachh Bharat Mission- Urban.

After threadbare discussion, the Committee has approved the Action Plan on Clean Himalayan Hill Cities Initiatives for 5 Cities of Darjeeling and Kalimpong Districts of West Bengal i.e. Darjeeling Municipality, Kurseong Municipality, Mirik Notified Area Authority, Siliguri Municipal Corporation and Kalimpong Municipality with a total project cost of **Rs.10.80 crore** under Swachh Bharat Mission- Urban 2.0. The detailed Action Plan with Budget is placed at **Annexure-A**.

The meeting ended with vote of thanks to and from the chair.

  
(Khalil Ahmed)  
23/7/26

# **Action Plans for West Bengal**

## **Clean Himalayan Hill Cities Initiative under Swachh Bharat Mission – Urban**

### **For 5 Cities of Darjeeling and Kalimpong Districts**

- |    |                                |                  |
|----|--------------------------------|------------------|
| 1. | Mirik Notified Area Authority  | : Rs. 1.92 crore |
| 2. | Darjeeling Municipality        | : Rs. 1.60 crore |
| 3. | Kurseong Municipality          | : Rs. 1.69 crore |
| 4. | Siliguri Municipal Corporation | : Rs. 4.20 crore |
| 5. | Kalimpong Municipality         | : Rs. 1.39 crore |

**Total Budget: Rs. 10.80 crore**

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## Site wise and Component wise Budget Summary of 5 Himalayan Cities of West Bengal

| Rs. In crore |             |                                                              |                  |                 |                 |                 |                 |
|--------------|-------------|--------------------------------------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| ULB          | Action Plan | Site/ Item                                                   | Total Cost       | Toilets         | SWM             | IEC             | CB              |
| Mirik NAA    | 1           | Samendu Lake/Sabitri Garden Area                             | INR 1.92         | INR 0.42        | INR 0.50        | INR 0.52        | INR 0.48        |
| Darjeeling   | 1           | Chowk Bazar Area                                             | INR 1.60         | INR 0.20        | INR 0.38        | INR 0.63        | INR 0.39        |
| Kurseong     | 1           | Pine Forest + Dowhill School + Victoria School + Hanuman Top | INR 1.69         | INR 0.10        | INR 0.40        | INR 0.70        | INR 0.49        |
| Siliguri MC  | 1           | Darjeeling More Area                                         | INR 1.91         | INR 0.15        | INR 0.43        | INR 0.69        | INR 0.64        |
|              | 2           | Bidhan Market & Hong Kong Market Area                        | INR 2.29         | INR 0.15        | INR 0.25        | INR 1.25        | INR 0.64        |
| Kalimpong    | 1           | Zang Dok Palri Durpin Monastery Area                         | INR 1.39         | INR 0.10        | INR 0.32        | INR 0.50        | INR 0.47        |
| <b>TOTAL</b> |             |                                                              | <b>INR 10.80</b> | <b>INR 1.12</b> | <b>INR 2.28</b> | <b>INR 4.29</b> | <b>INR 3.11</b> |

## ULB wise Budget Summary of 5 Himalayan Cities of West Bengal

| Rs. In crore |             |                  |                 |                 |                 |                 |
|--------------|-------------|------------------|-----------------|-----------------|-----------------|-----------------|
| Sl. No       | ULB         | Total Cost       | Toilets         | SWM             | IEC             | CB              |
| 1            | Mirik NAA   | INR 1.92         | INR 0.42        | INR 0.50        | INR 0.52        | INR 0.48        |
| 2            | Darjeeling  | INR 1.60         | INR 0.20        | INR 0.38        | INR 0.63        | INR 0.39        |
| 3            | Kurseong    | INR 1.69         | INR 0.10        | INR 0.40        | INR 0.70        | INR 0.49        |
| 4            | Siliguri MC | INR 4.20         | INR 0.30        | INR 0.68        | INR 1.94        | INR 1.28        |
| 5            | Kalimpong   | INR 1.39         | INR 0.10        | INR 0.32        | INR 0.50        | INR 0.47        |
| <b>TOTAL</b> |             | <b>INR 10.80</b> | <b>INR 1.12</b> | <b>INR 2.28</b> | <b>INR 4.29</b> | <b>INR 3.11</b> |

# Brief about the Cities

1. **Mirik Notified Area Authority:** Renowned for Lake and Monastery.
2. **Darjeeling Municipality:** ‘Queen of Hills’ and District Headquarter of Darjeeling District
3. **Kurseong Municipality:** Sub-divisional Headquarter and Educational hub
4. **Siliguri Municipal Corporation:** Siliguri MC being the gateway of the 4 hill Cities of the State of West Bengal and States of North East as well as neighbouring countries (Bhutan and Nepal) .
5. **Kalimpong Municipality:** District Headquarter of Kalimpong District

## Problem Statement

- **Siliguri Municipal Corporation:** Being the gateway pressure of tourists and transit people, apart from their own population and commercial hub for North Eastern States and ever-increasing hotels, restaurants, shopping malls and commercial establishments are resulting in challenges on sanitation and cleanliness.
- **4 Hill Cities:**
  - ✓ Tourist pressure throughout the year for Heritage establishments, religious places and enjoying hill environment. Plastic and packaging waste littering at tourist spots.
  - ✓ very congested with narrow lanes and by-lanes and steep slopes making things all the more difficult for effective collection of wastes
  - ✓ Large number of hotels, restaurants, homestays and commercial establishments are in place apart from various institutions including administrative one
  - ✓ Topographical constraint in setting up processing plants and non-availability of suitable land.
  - ✓ Ecologically fragile topography
  - ✓ Strain on existing partial sewage systems and contamination of natural springs/streams.
  - ✓ Lack of community awareness especially of tourists

# **Mirik Notified Area Authority**

## **Action Plan**

### **Clean Himalayan Hill Cities Initiative**

#### **Action Plan**

Samendu Lake and Sabitri Garden Area

**Total Budget: Rs. 1.92 Crore**

# 1. Problem Statement and Rationale

## 1.1 Background

Samendu Lake/Sabitri Garden—the Samendu Lake/Sabitri Garden is among the most significant Tourist destinations in the Himalayan region, featuring Garden area, Rhodendrum park, Mirik Lake, Shiva Dham, Durga Temple etc. The Garden area draws over 2 lakh visitors annually with enormous surges during the Festival season, Shivaratri and Navratri. The Samendu lake/Garden location, massive festival crowds and multi-shrine layout create compounded sanitation and solid waste management challenges. The absence of an integrated, surge-ready system leads to littering, drain blockages, hillside erosion and deterioration of the sacred landscape.

## 1.2 Demographic Details

| Parameter                                        | Details                                                                   |
|--------------------------------------------------|---------------------------------------------------------------------------|
| <b>Location</b>                                  | Samendu Lake /Sabitri Garden area.                                        |
| <b>Elevation</b>                                 | ~2,150metresaboveMSL                                                      |
| <b>Site Area</b>                                 | ~7 hectares(complex, approach grounds, rope way zone)                     |
| <b>NearestULB</b>                                | Darjeeling Municipality and Siliguri Municipal Corporation                |
| <b>EstimatedAnnualFootfall</b>                   | Over 2 lakh visitors                                                      |
| <b>Toursit Season(Summer and Festive season)</b> | 1,20,000-1,80,000 visitors over the Toursist Season single day peak 8,000 |
| <b>Winter Season</b>                             | 20,000-30,000 visitors;single-daypeak~5000                                |
| <b>Approach</b>                                  | Motorable road(2 km from Krishnanagar, 2 km from Mirik Bazar)             |
| <b>ManagingAuthority</b>                         | Mirik Notified Area Authority                                             |

## 1.3 Key Challenges

- Tourist and Festive Seasons massively overwhelm existing waste collection and toilet facilities
- Hilly roads makes mechanized waste transportation costly and operationally difficult
- Packaged waste(bottles, edibles, chips, etc), food waste and plastic accumulate near all shops and public spaces
- Drains and jhoras and lake area choke of flowed and discarded wastes.
- Food stall and souvenir vendor waste generated without any source segregation or accountability
- Horse wastes and feed are usually accumulated in and around Lake area due to inefficient cleaning practices
- No de-centralised wet waste processing—all waste including organic material transported to land fill

# 2. Proposed Strategy/ Activity for Achieving 'Garbage-Free' Status

## 2.1 Wet Waste Management (Home Composting Programme)

The programme encourages decentralized wet waste processing at household level for 500 households in Mirik Garden Area, reducing the daily wet waste load reaching Mirik NAA's landfill at Cisne dumping ground.

- 100 home compost bins distributed to identified eligible households in Mirik Lake Urban Area
- Training by Agriculture Dept on composting techniques , kitchen gardening and use of finished compost
- SHG composting mentors assigned per ward for ongoing community support
- Compost off take linkage: finished compost marketed to MNAA s urban greening and park maintenance programme
- Monitoring: M.N.A.A. wet waste collection data tracked monthly to measure load reduction impact.

## 3. Action Plan

### A. PreparatoryPhase

| SN                                   | Activity                                          | Details                                                            | Responsibility      | Timeline |
|--------------------------------------|---------------------------------------------------|--------------------------------------------------------------------|---------------------|----------|
| <b>CONVERGENCESETUP&amp;BASELINE</b> |                                                   |                                                                    |                     |          |
| 1                                    | <b>High-level convergence committee formation</b> | MNAA+ Tourism Depts                                                | Sub _Div Admin/MNAA | Day1–5   |
| 2                                    | <b>Baselinewasteaudit&amp; hotspot mapping</b>    | All zones of complex; festival surge projection; jhora risk        | MNAA                | Day5–15  |
| 3                                    | <b>Festivalwasteactionplan development</b>        | Dedicated SWM plans for Devistan, Shivaratri, Navratri             | Sub _Div Admin/MNAA | Day15–30 |
| <b>CIRCLES–FBOSITUATIONANALYSIS</b>  |                                                   |                                                                    |                     |          |
| 4                                    | <b>5 FBO identification &amp; consultations</b>   | Select+Devi Stan , Rai Mandir , Shiv Mandir                        | MNAA                | Day10–25 |
| 5                                    | <b>Waste audit at FBOs</b>                        | Quantify waste streams a teach FBO; identify organic waste volumes | MNAA/SHG            | Day20–35 |

### B. Implementation Phase

| SN                                  | Activity                                    | Details                                                       | Responsibility | Timeline |
|-------------------------------------|---------------------------------------------|---------------------------------------------------------------|----------------|----------|
| <b>PUNYA–INFRASTRUCTURE&amp;IEC</b> |                                             |                                                               |                |          |
| 6                                   | <b>Toiletblock 1 (8-seat)</b>               | 4M+3F+1accessible, with hand-wash, signage, drainage          | MNAA           | Day25–75 |
| 7                                   | <b>Toiletblock2–Complex(6-seat)</b>         | 3M+3F,hand-wash, within complex grounds                       | MNAA           | Day30–80 |
| 8                                   | <b>Mobile bio-toilets(×2, 6-seat each)</b>  | Festival deployment for Mela & Shivaratri                     | MNAA           | Day50–70 |
| 9                                   | <b>RVM+drinkingwater vending (×2)</b>       | 1RVM+2waterunits at ropeway & plaza                           | MNAA           | Day50–70 |
| 10                                  | <b>40 bins +10drop centers installation</b> | 3-stream bins + plastic drop points across complex & approach | MNAA           | Day35–55 |

|                                                      |                                                |                                                                   |                        |          |
|------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------|------------------------|----------|
| 11                                                   | <b>Dedicated waste transport vehicle</b>       | 3.2 cum LCV with segregated partitions                            | MNAA                   | Day40–65 |
| 12                                                   | <b>'Swachh' campaign</b>                       | Multilingual deity- themed boards, festival IEC kits              | MNAA                   | Day25–45 |
| 13                                                   | <b>Capacity building</b>                       | SHGs, vendors, safaikarmis – 8 workshops                          | MNAA                   | Day30–65 |
| 14                                                   | <b>3 SHG units deployed as site managers</b>   | marshals+clothbag kiosks at 2 entry points                        | MNAA                   | Day45–75 |
| <b>CREATIVE PUBLIC SPACES</b>                        |                                                |                                                                   |                        |          |
| 15                                                   | <b>Artist mobilization</b>                     | Identify local artists, school students; design 15 murals         | MNAA                   | Day25–45 |
| 16                                                   | <b>Approach road wall preparation</b>          | Surface preparation on 15 wall panels                             | MNAA                   | Day40–55 |
| 17                                                   | <b>Mural execution &amp; cultural plaza</b>    | 15 murals +stone- inlay walkway + heritage amenities installation | MNAA                   | Day55–85 |
| <b>FBO ZERO-WASTE PROGRAMME</b>                      |                                                |                                                                   |                        |          |
| 18                                                   | <b>Zero-waste training for 5 FBOs</b>          | Faith-values+SWM training modules for priests, monks, caretakers  | MNAA                   | Day35–60 |
| 19                                                   | <b>Composting units at 5FBOs</b>               | Small-scale windrow composters or bio- digesters per FBO          | MNAA                   | Day50–80 |
| 20                                                   | <b>Dry-waste recycling linkage</b>             | Scrap dealer pickup schedules established for all 5 FBOs          | MNAA                   | Day55–80 |
| 21                                                   | <b>Festival zero-waste plans at FBOs</b>       | Plastic-free event guidelines; biodegradable offering promotion   | MNAA                   | Day45–75 |
| <b>WET WASTE MANAGEMENT–HOME COMPOSTING (500HHs)</b> |                                                |                                                                   |                        |          |
| 22                                                   | <b>Household beneficiary survey</b>            | Identify 500 eligible HH sin MNAA town                            | MNAA                   | Day20–35 |
| 23                                                   | <b>Composting training (Horticulture Dept)</b> | Training workshops for identified households                      | Agriculture Department | Day40–55 |
| 24                                                   | <b>Compost bin distribution (500 units)</b>    | 25 kg bins distributed to trained households                      | MNAA                   | Day55–70 |

### C. Monitoring & Sustainability Phase

| SN | Activity                             | Details                                                         | Responsibility      | Timeline             |
|----|--------------------------------------|-----------------------------------------------------------------|---------------------|----------------------|
| 25 | <b>Monthly cleanliness scorecard</b> | Bin saturation, litter index, marshal attendance, RVM usage     | MNAA                | Monthly              |
| 26 | <b>Festival preparedness drill</b>   | Pre-event activation of surge SWM plans (Mela, Shivaratri)      | Sub _Div Admin/MNAA | Before each festival |
| 27 | <b>FBO quarterly review</b>          | Waste diversion data, composting yield, vendor compliance audit | MNAA/SHG            | Quarterly            |
| 28 | <b>Wet waste load tracking</b>       | MNAA wet waste collection data vs baseline at 3M and 6M         | MNAA                | 3M&6M post-launch    |

## 4. Budget

### 4.1 Budget–Initiative-wise Breakup

Grand Total:Rs.1.92 Crores(Rupees One Crores ninety two Lakh Only)

| SN                                                            | Component                             | Specification                                        | Units      | Unit Cost(Rs.) | Cost(Rs.)        |
|---------------------------------------------------------------|---------------------------------------|------------------------------------------------------|------------|----------------|------------------|
| <b>A. Site Cleanliness Infrastructure (Devistan and lake)</b> |                                       |                                                      |            |                |                  |
| 1                                                             | Toilet block –                        | 4M+3F +1 accessible, hand- wash, drainage            | 1 Seat     | 2,50,000       | <b>17,50,000</b> |
| 2                                                             | Toilet block – Complex (6-seat)       | 3M+3F, hand- wash, within complex                    | 1 Seat     | 2,50,000       | <b>15,00,000</b> |
| 3                                                             | Mobile bio-toilets (6-seat each)      | Festival deployment, modular                         | 1 Seat     | 1,50,000       | <b>9,00,000</b>  |
| 4                                                             | Dedicated waste vehicle               | 3.2cumLCV, segregated partitions                     | 1 vehicle  | 10,00,000      | <b>10,00,000</b> |
| 5                                                             | Segregated3-streambins                | 100–120lit.with wheel                                | 40units    | 5,000          | <b>2,00,000</b>  |
| 6                                                             | Plastic bottle drop centres           | 500PETcage                                           | 10units    | 4,000          | <b>40,000</b>    |
| 7                                                             | Drinking water vending units          | 250 ltr/hr, outdoor-rated                            | 2units     | 4,00,000       | <b>8,00,000</b>  |
| 8                                                             | IEC signage (40 multi lingual boards) | 'SwachhBhakti', deity-themed                         | 40 units   | 10,000         | <b>4,00,000</b>  |
| 9                                                             | LED display boards (4 units)          | 10×10 ft, at ropeway+plaza                           | 2units     | 4,00,000       | <b>8,00,000</b>  |
| 10                                                            | Capacity building (4 workshops)       | SHGs, vendors, safaikarmis                           | 4 sessions | 50,000         | <b>2,00,000</b>  |
| 11                                                            | Cloth bag kiosks (2entry points)      | Raw material+ display rack                           | 2kiosks    | 40,000         | <b>80,000</b>    |
| 12                                                            | SHG marshal honorarium (12m)          | 3 units × 4 persons each                             | 12 persons | 5,000/mth      | <b>3,60,000</b>  |
|                                                               | Sub-total                             |                                                      |            |                | <b>80,30,000</b> |
| <b>B. MNAA Creative Public Spaces(SolophokHillApproach)</b>   |                                       |                                                      |            |                |                  |
| 13                                                            | Approach road murals( 10 walls)       | Indigenous/Hindu heritagethemes+ swachhata,Devisthan | 10 murals  | 4,00,000       | <b>40,00,000</b> |
| 14                                                            | Cultural interpretation plaza         | Stone-inlay walkway panels near Shiva statue.        | 1plaza     | 15,00,000      | <b>15,00,000</b> |
| 15                                                            | Heritage public amenities             | Seating, lighting,etc.                               | 1set       | 5,00,000       | <b>5,00,000</b>  |
|                                                               | Sub-total                             |                                                      |            |                | <b>60,00,000</b> |
| <b>C. 5 FBO Zero-WasteProgramme</b>                           |                                       |                                                      |            |                |                  |
| 16                                                            | FBO waste audits& situation analysis  | 5 FBOs× field assessment                             | 3FBOs      | 1,0,000        | <b>3,00,000</b>  |

|                                                       |                                       |                                             |            |          |                    |
|-------------------------------------------------------|---------------------------------------|---------------------------------------------|------------|----------|--------------------|
| 17                                                    | Zero-waste training & IEC for FBOs    | Training modules +faith-integrated IEC      | 3FBOs      | 2,00,000 | <b>6,00,000</b>    |
| 18                                                    | Composting/bio-digester units at FBOs | Small-scale units per FBO                   | 3units     | 3,00,000 | <b>9,00,000</b>    |
| 19                                                    | FBO HR & operations(12 months)        | Resource persons+project personnel          | Lumpsum    | —        | <b>4,00,000</b>    |
|                                                       | Sub-total                             |                                             |            |          | <b>22,00,000</b>   |
| <b>D. Wet Waste Management–HomeComposting(500HHs)</b> |                                       |                                             |            |          |                    |
| 20                                                    | Homecompost bins                      | 25kg/35lit. capacity                        | 200units   | 5,000    | <b>10,00,000</b>   |
| 21                                                    | Compostingtraining .                  | 2 ward-level trainingsessions               | 2 sessions | 60,000   | <b>1,20,000</b>    |
| 22                                                    | SHG mentors & monitoring(6months)     | Composting mentornetwork+MNAA data tracking | Lumpsum    | —        | <b>1,00,000</b>    |
|                                                       | WetWasteSub-total                     |                                             |            |          | <b>12,20,000</b>   |
|                                                       | <b>TOTAL</b>                          |                                             |            |          | <b>1,74,50,000</b> |
|                                                       | <b>Miscellaneous@10%</b>              |                                             |            |          | <b>17,45,000</b>   |
|                                                       | <b>GRANDTOTAL</b>                     |                                             |            |          | <b>1,91,95,000</b> |

Note: Budgets are indicative; to be validated through detailed DPR and State Schedule of Rates.

## 5. Expected Outcomes & Milestones

- Mirik Lake Garden Area recognized as a model plastic-free and garbage-free Tourist Site in the Darjeeling Himalayan region
- Festival waste action plans tested and rated 'satisfactory' in the first Garden and Shivaratri post- implementation
- Faith Based institution in Mirik achieve100%source segregation and zero organic waste to land fill
- 10 murals transform Mirik Garden approach as a heritage cultural corridor — benchmark for MNAA public spaces
- 100 Mirik households practicing home composting, contributing to measurable reduction in MNAA wet waste load
- 3 SHG units generating sustainable livelihood through site management and cloth bag bank operations

# **Action Plans**

**Clean Himalayan Hill Cities Initiative**

## **Darjeeling Municipality**

**Site Action Plan: Chowk Bazar, Darjeeling**

**Total Budget: Rs. 1.60 Crore**

## 1. Problem Statement and Rationale

### 1.1 Background

Chowk Bazar: One of the busiest commercial areas of the town, it generates a high volume of solid waste due to dense shops, vegetable and meat markets, street vendors, and heavy daily footfall. The major waste types are vegetables, food waste, cardboard and paper waste. Due to narrow lanes, irregular disposal by vendors and continuous activity, frequent collection, source segregation and timely transportation of waste at the Municipal Dumping Ground are the key challenges faced.

### 1.2 Demographic Details

| Parameter                     | Details                                                             |
|-------------------------------|---------------------------------------------------------------------|
| <b>Location</b>               | Chowk Bazar, Darjeeling                                             |
| <b>Coordinates</b>            | 27.04°N, 88.26°E (approx.)                                          |
| <b>Nearest ULB</b>            | Darjeeling Municipality                                             |
| <b>Site Area</b>              |                                                                     |
| <b>Daily Footfall</b>         | 800–1200 persons weekdays; 2,000–3,000 weekends/festivals           |
| <b>Peak Festival Footfall</b> | 5,000–10,000 (Dussehra, Diwali, Pujas)                              |
| <b>Taxi Stand Footfall</b>    | 8,000–12,000 commuters/day (one of Darjeeling's busiest stands)     |
| <b>Proximity to Jhora</b>     | Within 100 metres of Darjeeling Municipality-identified jhora drain |
| <b>Managing Committee</b>     | Darjeeling Municipality / Local Market Committee                    |

### 1.3 Key Challenges

- Mixed solid waste (especially vegetable waste, food waste, plastic, flowers) accumulating near circumambulation paths and chowk bazar area
- Chowk Bazar area has no colour-coded bins, poor marking, tobacco-use violations and no driver-led accountability mechanism
- No dedicated eco-toilet or aspirational toilet block within the bazar premises
- Adjacent jhora is vulnerable to plastic waste clogging during heavy rainfall
- No community-led closed-loop system for waste reduction; linear 'collect-dump' model prevails
- No home composting or decentralized wet waste processing in the surrounding residential area
- Blank approach walls offer no cultural signage or identity — public space is visually degraded
- Being a high footfall area, difficult to maintain neat and clean round the clock mostly due to paucity of sufficient work force

- Staff shortage in conservancy Department for proper monitoring of day to day functioning of each labour.
- Acute shortage of water specially during summer season when tourist footfalls are high also.
- Hotels, Restaurants, Road side eateries and tourists specially are non compliant of basic civic senses and litters.
- Municipal Authority are reluctant towards levying user charges and no mechanism has yet been effectively designed for spot fines against people found littering .

## 2. Proposed Strategy/ Activity for Achieving 'Garbage-Free' Status

### A. Preparatory Phase

| SN                                   | Activity                                         | Details                                                                                                                                                                                                                                                                                                                            | Responsibility                                | Timeline  |
|--------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------|
| <b>CONVERGENCE SETUP</b>             |                                                  |                                                                                                                                                                                                                                                                                                                                    |                                               |           |
| 1                                    | <b>Swachhata Convergence Committee formation</b> | Ecclesiastical Dept + Darjeeling Municipality + SBM(U) + Conducting Train The Trainers ( TTT) + Market Committee representatives, homestay, hotel, restaurant owners, clubs, Tour operators, Taxi / Bus Union representatives, NGOs, Religious preachers, Teachers of Educational institutions, SHG members, Public representative | Ecclesiastical Dept / Darjeeling Municipality | Day 1– 7  |
| 2                                    | <b>Baseline waste &amp; sanitation audit</b>     | Waste quantification, jhora risk mapping, taxi stand sanitation gap assessment                                                                                                                                                                                                                                                     | Darjeeling Municipality / SBM(U)              | Day 8–22  |
| 3                                    | <b>Stakeholder consultation</b>                  | vendors, taxi drivers, SHGs, residents, youth                                                                                                                                                                                                                                                                                      | Darjeeling Municipality / Ecclesiastical Dept | Day 22-30 |
| <b>WARD-LEVEL SITUATION ANALYSIS</b> |                                                  |                                                                                                                                                                                                                                                                                                                                    |                                               |           |
| 4                                    | <b>KABP survey (1 ward)</b>                      | Survey 10% HHs + bulk generators on awareness, segregation practices                                                                                                                                                                                                                                                               | Darjeeling Municipality / SHG volunteers      | Day 10–25 |
| 5                                    | <b>Waste audit at collection points</b>          | Quantitative waste characterisation at 2 sites × 2 rounds in pilot ward                                                                                                                                                                                                                                                            | Darjeeling Municipality / Zero Waste Himalaya | Day 15–30 |

### B. Implementation Phase

| SN                              | Activity | Details | Responsibility | Timeline |
|---------------------------------|----------|---------|----------------|----------|
| <b>INFRASTRUCTURE &amp; IEC</b> |          |         |                |          |

|                                        |                                                |                                                                                   |                         |           |
|----------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------|-----------|
| 6                                      | <b>Eco-toilet block construction</b>           | 4-seat (2M+2F) aspirational block, hand-wash station, drainage                    | Darjeeling Municipality | Day 25–65 |
| 7                                      | <b>Segregated bin installation</b>             | 30 colour-coded (3stream) bins along circumambulation path & approach             | Darjeeling Municipality | Day 35–50 |
| 8                                      | <b>IEC signage &amp; LED panels deployment</b> | Multilingual Hereditary themed boards + 2 LED panels                              | Darjeeling Municipality | Day 35–55 |
| 9                                      | <b>Drinking water vending unit</b>             | 2 units at two corners of Chouck Bazar to reduce plastic bottle usage             | Darjeeling Municipality | Day 45–60 |
| 10                                     | <b>Capacity building</b>                       | Site committee, SHGs, vendors, safaikarmis – 4 workshops                          | Darjeeling Municipality | Day 30–60 |
| 11                                     | <b>SHG marshal deployment</b>                  | 2 SHG units as fulltime site managers + cloth bag kiosk                           | Darjeeling Municipality | Day 45–70 |
| <b>CREATIVE PUBLIC SPACES</b>          |                                                |                                                                                   |                         |           |
| 12                                     | <b>Artist &amp; community mobilisation</b>     | Identify local artists, school students, SHG members for mural co-creation        | Darjeeling Municipality | Day 25–40 |
| 13                                     | <b>Mural design &amp; wall preparation</b>     | 8 mural designs finalised; wall surface preparation on approach lane              | Darjeeling Municipality | Day 35–50 |
| 14                                     | <b>Mural painting &amp; installations</b>      | Execution of 8 murals + interpretive panels + heritage-style amenities            | Darjeeling Municipality | Day 50–80 |
| <b>TAXI STAND</b>                      |                                                |                                                                                   |                         |           |
| 15                                     | <b>Taxi stand demarcation &amp; marking</b>    | Colour-coded parking bays, boarding zones, directional arrows                     | Darjeeling Municipality | Day 35–55 |
| 16                                     | <b>Bin installation &amp; signage at stand</b> | Colour-coded bins + COTPA tobacco-free boards + anti-litter signage               | Darjeeling Municipality | Day 40–55 |
| 17                                     | <b>Driver Coordinator network setup</b>        | Taxi Association nominates stand-level coordinators; orientation session          | Darjeeling Municipality | Day 40–60 |
| 18                                     | <b>STAND awareness campaign</b>                | Driver & commuter sensitisation events; COTPA compliance drive                    | Darjeeling Municipality | Day 50–80 |
| 19                                     | <b>SHG engagement at taxi stand</b>            | 1 SHG unit for daily cleaning and bin maintenance at Chalk Bazar Taxi Stand       | Darjeeling Municipality | Day 55–80 |
| <b>CLOSED-LOOP COMMUNITY PROGRAMME</b> |                                                |                                                                                   |                         |           |
| 20                                     | <b>Ward SWM Committee formation</b>            | Elected representatives + Market Committee +SHGs + youth + school representatives | Darjeeling Municipality | Day 30–45 |
| 21                                     | <b>Participatory planning workshop</b>         | Co-create ward-level waste action plan with SWM Committee                         | Darjeeling Municipality | Day 40–55 |

|                                               |                                                     |                                                                       |                         |            |
|-----------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------|-------------------------|------------|
| 22                                            | <b>Cutlery bank &amp; repair-reuse corner setup</b> | Procure reusable cutlery sets + establish repair/resale space in ward | SHG                     | Day 50–75  |
| 23                                            | <b>D2D awareness &amp; IEC campaign</b>             | Door-to-door drives on segregation; ward exhibitions; social media    | SHG / Youth Volunteers  | Day 45–100 |
| <b>WET WASTE MANAGEMENT – HOME COMPOSTING</b> |                                                     |                                                                       |                         |            |
| 24                                            | <b>Household beneficiary identification</b>         | Survey 400 HHs; screen for space + willingness to compost             | Darjeeling Municipality | Day 20–35  |
| 25                                            | <b>Composting training</b>                          | Horticulture Dept-led training on composting + kitchen gardening      | Darjeeling Municipality | Day 40–55  |
| 26                                            | <b>Distribution of 400 compost bins</b>             | 25 kg capacity bins distributed to trained households                 | Darjeeling Municipality | Day 50–65  |

### C. Monitoring & Sustainability Phase

| SN | Activity                              | Details                                                           | Responsibility          | Timeline                       |
|----|---------------------------------------|-------------------------------------------------------------------|-------------------------|--------------------------------|
| 27 | <b>Monthly cleanliness inspection</b> | Taxi Stand: bin saturation, litter index, marshal attendance      | Darjeeling Municipality | Monthly                        |
| 28 | <b>Ward review meetings</b>           | Waste diversion tracking, resurvey at 6 months, byelaw compliance | Darjeeling Municipality | Monthly                        |
| 29 | <b>Quarterly performance review</b>   | All initiatives: targets vs actuals; corrective actions           | Darjeeling Municipality | Quarterly- 3 months & 6 Months |

### 3. Budget – Initiative-wise Breakup

Grand Total: Rs.1.60 Crore (Rupees One Crore sixty Lakh Only)

| SN                                               | Component                             | Specification                          | Units     | Unit Cost (Rs.) | Cost (Rs.)       |
|--------------------------------------------------|---------------------------------------|----------------------------------------|-----------|-----------------|------------------|
| <b>A. Sacred Site Cleanliness Infrastructure</b> |                                       |                                        |           |                 |                  |
| 1                                                | Eco-toilet block (4-seat)             | 2M+2F, handwash, drainage              | 1 Seat    | 2,50,000        | <b>10,00,000</b> |
| 2                                                | Segregated 3-stream bins              | 100–120 lit. with wheel                | 30 units  | 5,000           | <b>1,50,000</b>  |
| 3                                                | SHG marshal honorarium (Chorten, 12m) | 2 units × 4 persons                    | 8 persons | 5,000/mth       | <b>2,40,000</b>  |
| 4                                                | IEC signage & awareness boards        | Multilingual Buddhist-themed, 20 units | 20 units  | 10,000          | <b>2,00,000</b>  |

|   |                                 |                               |            |          |                  |
|---|---------------------------------|-------------------------------|------------|----------|------------------|
| 5 | LED display boards              | 10×10 ft outdoor, 2 units     | 2 units    | 5,00,000 | <b>8,00,000</b>  |
| 6 | Drinking water vending unit     | 250 ltr/hr                    | 1 unit     | 5,00,000 | <b>5,00,000</b>  |
| 7 | Plastic bottle drop centres     | 500 PET capacity cage         | 5 units    | 3,000    | <b>15,000</b>    |
| 8 | Capacity building (4 workshops) | Venue, kits, resource persons | 4 sessions | 50,000   | <b>2,00,000</b>  |
|   | Sub-total                       |                               |            |          | <b>31,05,000</b> |

## B. Creative Public Spaces & Heritage Art

|    |                                          |                                                       |          |          |                  |
|----|------------------------------------------|-------------------------------------------------------|----------|----------|------------------|
| 9  | Indigenous mural installations           | 8 murals on approach lane walls                       | 8 murals | 5,00,000 | <b>30,00,000</b> |
| 10 | Interpretive & heritage panels           | Hand-painted tiles, stone-inlay motifs at stupa entry | 1 set    | 8,00,000 | <b>6,00,000</b>  |
| 11 | Public amenities upgrade                 | Heritage-style benches, pillar, lanterns (10 units)   | 10 units | 1,20,000 | <b>12,00,000</b> |
| 12 | Artist & student community participation | Materials, workshops, stipends                        | Lumpsum  | –        | <b>3,00,000</b>  |
|    | Sub-total                                |                                                       |          |          | <b>51,00,000</b> |

## C. Taxi Stand

|    |                                     |                                          |             |           |                  |
|----|-------------------------------------|------------------------------------------|-------------|-----------|------------------|
| 13 | Taxi stand demarcation & marking    | Parking bay marking, directional arrows  | Lumpsum     | –         | <b>4,00,000</b>  |
| 14 | Colour-coded bins & tobacco signage | Bins + boards + antilitter signage       | Lumpsum     | –         | <b>6,00,000</b>  |
| 15 | STAND awareness campaigns           | Driver & commuter sensitisation + drives | 4 campaigns | 1,50,000  | <b>3,00,000</b>  |
| 16 | SHG engagement – taxi stand (12m)   | 1 unit × 4 persons                       | 4 persons   | 5,000/mth | <b>1,20,000</b>  |
| 17 | Eco-toilet block (4-seat)           | 2M+2F, handwash, drainage                | 1 Seat      | 2,50,000  | <b>10,00,000</b> |
|    | Sub-total                           |                                          |             |           | <b>24,20,000</b> |

## D. Closed-Loop Community Programme (1 Ward)

|    |                                       |                                                       |         |   |                 |
|----|---------------------------------------|-------------------------------------------------------|---------|---|-----------------|
| 18 | Survey & waste audit                  | Survey 10% HHs + 2 collection point audits × 2 rounds | Lumpsum | – | <b>4,00,000</b> |
| 19 | Community stewardship & SWM Committee | Meeting costs, community mobilisation                 | Lumpsum | – | <b>4,00,000</b> |
| 20 | D2D IEC campaigns & ward exhibitions  | Volunteer training, materials, events                 | Lumpsum | – | <b>4,00,000</b> |
| 21 | Cutlery bank & repair reuse setup     | Reusable cutlery sets + storage + repair space        | Lumpsum | – | <b>6,00,000</b> |

|                                                            |                                       |                                     |            |        |                    |
|------------------------------------------------------------|---------------------------------------|-------------------------------------|------------|--------|--------------------|
| 22                                                         | HR & operations<br>(resource persons) | 6 months                            | Lumpsum    | –      | <b>3,00,000</b>    |
|                                                            | Sub-total                             |                                     |            |        | <b>21,00,000</b>   |
| <b>E. Wet Waste Management – Home Composting (400 HHs)</b> |                                       |                                     |            |        |                    |
| 23                                                         | Home compost bins                     | 25 kg / 35 lit. capacity            | 400 units  | 4,000  | <b>16,00,000</b>   |
| 24                                                         | Composting & gardening training       | Horticulture Dept led , 4 sessions  | 4 sessions | 50,000 | <b>2,00,000</b>    |
| 25                                                         | Monitoring & reporting                | 6-month GMC wet waste load tracking | Lumpsum    | –      | <b>50,000</b>      |
|                                                            | Wet Waste Sub-total                   |                                     |            |        | <b>18,50,000</b>   |
|                                                            | <b>TOTAL (Pre-Miscellaneous)</b>      |                                     |            |        | <b>1,45,75,000</b> |
|                                                            | <b>Miscellaneous @ 10%</b>            |                                     |            |        | <b>14,57,500</b>   |
|                                                            | <b>GRAND TOTAL</b>                    |                                     |            |        | <b>1,60,32,500</b> |

Note: Budgets are indicative; to be validated through detailed DPR and site surveys.

#### 4. Expected Outcomes & Milestones

- Chowk Bazar, Darjeeling declared a model garbage-free Buddhist pilgrimage site
- Chowk Bazar Taxi Stand operational as a clean, tobacco-free, compliant transit node under Stand
- 100% segregation at source in pilot ward achieved through programme
- 60–70% reduction in wet waste to landfill from 400 households practicing home composting
- 6 murals transform approach lanes into a living cultural corridor
- Adjacent jhora shows zero plastic blockage events within 6 months of operationalization
- 3 SHG units generating sustainable livelihood through Chowk Bazar marshal, Taxi Stand operations and cloth bag bank

# **Action Plans**

## **Clean Himalayan Hill Cities Initiative**

### **KURSEONG MUNICIPALITY**

**Site Action Plan :** Pine Forest + Dowhill School+ Victoria School + Hanuman Top

**Total Budget: Rs. 1.69 Crore**

## 1. Problem Statement and Rationale

### 1.1 Background

- a. Kurseong, a Sub divisional town, surrounded by Tea Garden and Busty Areas from which all the people from those area comes to Kurseong Town for their Medical Checkup, School , Collage and other day to day official works experiences high daily inflow of the public and located just 40 KM from Siliguri has become a nearest tourist spot. Due to such seasonal inflows of tourists that drastically increase plastic, food and packaging waste especially in and around Kurseong Lake and market area. The town's Fragile Hill Ecology, narrow roads and rare disposal options make it difficult to manage sudden waste surge which lead pollution, high transportation cost. It faces lack of scientific disposal options due to steep slopes, high rainfall, and scarcity of flat land and landslide prone areas.
- b. Waste is to be transported at long Distances, unsafe dumping located at Section China OG under Casselton Tea Garden that increases environmental and safety risk.
- c. The Kurseong Municipality, serving a fluctuating population of over 42,346(census 2011) residents and tourists across (20) twenty wards, currently manages approximately 7.00 to 7.50 metric tons of solid waste daily. While door-to-door collection has been initiated in (20) ward. The authority is facing a staffing crisis due to multiple retirements (including a supervisor, driver, and several conservancy workers and sweepers) and internal promotions, leaving several key posts vacant. Currently, waste is processed via a single dumping Yard at Section China OG under Casselton Tea Garden, though plans are underway to construct a new Central Processing Unit at the place, where the Municipality has developed nearly 600.00 Sqmtr of land through own resource.
- d. Households: 6847.
- e. Daily Waste: 7.00 MT – 7.50 MT MT/day.
- f. Infrastructure: One Central Processing Unit planned and the Officials from the SUDA are visiting on 19<sup>th</sup> June 2026.
- g. Primary Challenges: Lack of transport vehicles and significant staff vacancies in the department.
- h. Pine Forest + Dowhill School+ Victoria School+ Hanuman Top at Kurseong is a prominent recently developed tourist attraction place is one of Kurseong busiest transit corridors, serving as a daily circumambulation site for visitors, and School Students and parents who visited the schools for their children. The Pine Forest, consisting of deep pine forest has become an active tourist spot.
- i. Dowhill School+ Victoria School immediately adjacent to the Pine Forest —. This co-location makes Victoria Road a unique dual pressure point: it is a high-footfall commuter transit node, generating combined sanitation stress from activity and transport-area litter. During Festivals Dashain(Durga Puja) and Tihar(Diwali), create sharp visitor surges and generates daily

waste from food wrappers, tobacco products and single-use plastic. The absence of an integrated, year-round waste management system leads to littering, jhora contamination and deterioration of the environment.

## 1.2 Demographic Details

| Parameter                     | Details                                                                                                                                           |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Location</b>               | Pine Forest, Dowhill School, Victoria School and Hanuman Top                                                                                      |
| <b>Coordinates</b>            |                                                                                                                                                   |
| <b>Nearest ULB</b>            | Kurseong Municipality                                                                                                                             |
| <b>Site Area (Chorten)</b>    | ~0.4 hectares Pine Forest and circumambulation road)                                                                                              |
| <b>Daily Footfall</b>         | 1500-2000 per day persons weekdays; 500–750 weekends/festivals                                                                                    |
| <b>Peak Festival Footfall</b> | 350-500 per day (Dashain(Durga Puja,)Tihar(Diwali) and Easter Holidays and Summer Season especially Feb 15 <sup>th</sup> to June 15 <sup>th</sup> |
| <b>Proximity to Jhora</b>     | Within 100 metres of a Kurseong Municipality-identified jhora drain                                                                               |
| <b>Managing Committee</b>     | Forest Department and Local Samaj(Committee)                                                                                                      |

## 1.3 Key Challenges

- Mixed solid waste (food waste, plastic) accumulating near circumambulation paths
- The area has no colour-coded bins, poor marking, tobacco-use violations and no driver-led accountability mechanism
- No dedicated eco-toilet or aspirational toilet block within the area.
- Adjacent jhora is vulnerable to plastic waste clogging during heavy rainfall.
- No community-led closed-loop system for waste reduction; linear 'collect-dump' model prevails.
- No home composting or decentralized wet waste processing in the surrounding residential area
- Blank approach walls offer no cultural signage or identity — public space is visually degraded.

## 2. Proposed Strategy/ Activity for Achieving 'Garbage-Free' Status

### A. Preparatory Phase

| S . N. | Activity                                          | Details                                                                                                                                                                                                                                                                                                  | Responsibility                              | Timeline |
|--------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------|
| 1      | <b>Swachhata/ Convergence Committee formation</b> | Ecclesiastical Dept + Kurseong +Conducting Train The Trainers ( TTT) +Market Committee representatives, homestay, hotel, restaurant owners, clubs, Tour operators, Taxi / Bus Union representatives, NGOs, Religious preachers, Teachers of Educational institutions, SHG members, Public representative | Ecclesiastical Dept / Kurseong Municipality | Day 1–10 |

|   |                                              |                                                                                                                                                                                                                                                        |                                             |           |
|---|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------|
| 2 | <b>Baseline waste &amp; sanitation audit</b> | Waste quantification, jhora risk mapping,                                                                                                                                                                                                              | Kurseong Municipality/ SBM(U)               | Day 11–18 |
| 3 | <b>Stakeholder consultation</b>              | Homestay owners, vendors, taxi drivers, SHGs, residents, youth, shop owners, hotel, restaurant, clubs, Tour operators, Taxi / Bus representatives, NGOs, Religious preachers, students of Educational institutions, SHG members, Public representative | Kurseong Municipality Ecclesiastical Dept   | Day 19–30 |
| 4 | <b>KABP survey (1 ward)</b>                  | Survey 10% HHs + bulk generators on awareness, segregation practices                                                                                                                                                                                   | Kurseong Municipality / SHG volunteers      | Day 10–25 |
| 5 | <b>Waste audit at collection points</b>      | Quantitative waste characterization at 2 sites × 2 rounds in pilot ward                                                                                                                                                                                | Kurseong Municipality / Zero Waste Himalaya | Day 15–30 |

## B. Implementation Phase

| Sl. No | Activity                                       | Details                                                                    | Responsibility                     | Timeline  |
|--------|------------------------------------------------|----------------------------------------------------------------------------|------------------------------------|-----------|
| 6      | <b>Eco-toilet block construction</b>           | 4-seat (2M+2F) Aspirational block, hand-wash station, drainage             | Kurseong Municipality / SBM(U)     | Day 25–65 |
| 7      | <b>Segregated bin installation</b>             | 25 colour-coded (3- stream) bins along circumambulation path & approach    | Kurseong Municipality              | Day 35–50 |
| 8      | <b>IEC signage &amp; LED panels deployment</b> | Multilingual themed boards + 2 LED panels                                  | SBM(U) / Kurseong Municipality     | Day 35–55 |
| 9      | <b>Drinking water vending unit</b>             | 1 unit at main gate to reduce plastic bottle usage                         | Kurseong Municipality              | Day 45–60 |
| 10     | <b>Capacity building</b>                       | Site committee, SHGs, vendors, safaikarmis – 4 workshops                   | SBM(U) / Kurseong Municipality     | Day 30–60 |
| 11     | <b>SHG marshal deployment</b>                  | 2 SHG units as full time site managers + cloth bag kiosk                   | DAY-NULM                           | Day 45–70 |
| 12     | <b>Artist &amp; community mobilisation</b>     | Identify local artists, school students, SHG members for mural co-creation | Tourism Dept                       | Day 25–40 |
| 13     | <b>Mural design &amp; wall preparation</b>     | 4 mural designs finalised; wall surface preparation on approach lane       | Tourism Dept / SBM(U)              | Day 35–50 |
| 14     | <b>Mural painting &amp; installations</b>      | Execution of 4 murals + interpretive panels+ heritage-style amenities      | Tourism Dept / Artists             | Day 50–80 |
| 15     | <b>Taxi stand demarcation &amp; marking</b>    | Colour-coded parking bays, boarding zones, directional arrows              | Kurseong Municipality              | Day 35–55 |
| 16     | <b>Bin installation &amp; signage at stand</b> | Colour-coded bins + COTPA tobacco-free boards + anti-litter signage        | Kurseong Municipality              | Day 40–55 |
| 17     | <b>Driver Coordinator network setup</b>        | Taxi Association nominates stand-level coordinators; orientation session   | Taxi Assoc / Kurseong Municipality | Day 40–60 |
| 18     | <b>STAND awareness</b>                         | Driver & commuter                                                          | Kurseong Municipality              | Day 50–80 |

|    |                                                     |                                                                        |                                           |            |
|----|-----------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------|------------|
|    | <b>campaign</b>                                     | sensitisation events; COTPA compliance drive                           | / SBM(U) / Health Dept                    |            |
| 19 | <b>SHG engagement at taxi stand</b>                 | 1 SHG unit for daily cleaning and bin maintenance at Parking Point     | DAY-NULM                                  | Day 55–80  |
| 20 | <b>Ward SWM Committee formation</b>                 | Elected rep + Home stay owners + SHGs + youth + school representatives | GMC / Buddhist Committee                  | Day 30–45  |
| 21 | <b>Participatory planning workshop</b>              | Co-create ward-level waste action plan with SWM Committee              | GMC / Zero Waste Himalaya                 | Day 40–55  |
| 22 | <b>Cutlery bank &amp; repair-reuse corner setup</b> | Procure reusable cutlery sets + establish repair/resale space in ward  | SWM Committee / SHG                       | Day 50–75  |
| 23 | <b>D2D awareness &amp; IEC campaign</b>             | Door-to-door drives on egregation; ward exhibitions; social media      | SHG / Youth Volunteers                    | Day 45–100 |
| 24 | <b>Household beneficiary identification</b>         | Survey 300 HHs; screen for space + willingness to compost              | Kurseong Municipality / SHG               | Day 20–35  |
| 25 | <b>Composting training</b>                          | Horticulture Dept-led training on composting + kitchen gardening       | Horticulture Dept                         | Day 40–55  |
| 26 | <b>Distribution of 400 compost bins</b>             | 25 kg capacity bins distributed to trained households                  | Kurseong Municipality / Horticulture Dept | Day 50–65  |

### C. Monitoring & Sustainability Phase

| Sl. No | Activity                              | Details                                                                 | Responsibility                              | Timeline  |
|--------|---------------------------------------|-------------------------------------------------------------------------|---------------------------------------------|-----------|
| 27     | <b>Monthly cleanliness inspection</b> | Homesaty Owners: bin saturation, litter index, marshal attendance       | Kurseong Municipality / Swachhata Committee | Monthly   |
| 28     | <b>Ward review meetings</b>           | Waste diversion tracking, KABP re-survey at 6 months, byelaw compliance | SWM Committee / Kurseong Municipality       | Monthly   |
| 29     | <b>Quarterly performance review</b>   | All initiatives: targets vs actual; corrective actions                  | SBM(U) / Kurseong Municipality              | Quarterly |

## 5. Budget – Initiative-wise Breakup

Grand Total: Rs.1.69 Crore (Rupees One Crore sixty nine Lakh Only)

| S N | Component                      | Specification                          | Units      | Unit Cost (Rs.) | Cost (Rs.)       |
|-----|--------------------------------|----------------------------------------|------------|-----------------|------------------|
| 1   | Eco-toilet block (4-seat)      | 2M+2F, Aspirational category .         | 1 seat     | 2,50,000        | <b>10,00,000</b> |
| 2   | Segregated 3-stream bins       | 100–120 lit. with wheel                | 25 units   | 5,000           | <b>75,000</b>    |
| 3   | SHG marshal honorarium         | 2 units × 2 persons                    | 4 persons  | 5,000/mth       | <b>1,20,000</b>  |
| 4   | IEC signage & awareness boards | Multilingual Himalayan themed, 4 units | 4 units    | 10,000          | <b>40,000</b>    |
| 5   | LED display boards             | 10×10 ft outdoor, 2 units              | 2 units    | 5,00,000        | <b>10,00,000</b> |
| 6   | Drinking water vending unit    | 250 ltr/hr                             | 1 unit     | 5,00,000        | <b>5,00,000</b>  |
| 7   | Plastic bottle drop centers    | 500 PET capacity cage                  | 5 units    | 2,000           | <b>10,000</b>    |
| 8   | Capacity building              | Venue, kits, resource                  | 4 sessions | 30,000          | <b>1,20,000</b>  |

|    |                                                 |                                                       |             |          |                    |
|----|-------------------------------------------------|-------------------------------------------------------|-------------|----------|--------------------|
|    | (4 workshops)                                   | persons                                               |             |          |                    |
| 9  |                                                 |                                                       |             |          |                    |
|    | Indigenous mural installations                  | 8 murals on approach lane walls                       | 6 murals    | 5,00,000 | <b>30,00,000</b>   |
| 10 | Interpretive & heritage panels                  | Hand-painted tiles, stone-inlay motifs at stupa entry | 1 set       | 8,00,000 | <b>8,00,000</b>    |
| 11 | Public amenities upgrade<br>Lanterns (10 Units) | Heritage-style benches, pillar                        | 8 units     | 1,20,000 | <b>9,60,000</b>    |
| 12 | Artist & student community participation        | Materials, workshops, stipends                        | Lumpsum     | –        | <b>3,00,000</b>    |
| 13 | Taxi stand demarcation & marking                | Parking bay marking, directional arrows               | Lumpsum     | –        | <b>9,00,000</b>    |
| 14 | Colour-coded bins & tobacco signage             | Bins + COTPA boards + anti litter signage             | Lumpsum     | –        | <b>8,00,000</b>    |
| 15 | Awareness campaigns                             | Driver & commuter sensitization + drives              | 4 campaigns | 1,50,000 | <b>6,00,000</b>    |
| 16 | KABP survey & waste audit                       | Survey 10% HHs + 2 collection point audits × 2 rounds | Lumpsum     | –        | <b>8,00,000</b>    |
| 17 | Community stewardship & SWM Committee           | Meeting costs, community mobilization                 | Lumpsum     | –        | <b>7,00,000</b>    |
| 18 | D2D IEC campaigns & ward exhibitions            | Volunteer training, materials, events                 | Lumpsum     | –        | <b>7,00,000</b>    |
| 19 | Cutlery bank & repair reuse setup               | Reusable cutlery sets + storage + repair space        | Lumpsum     | –        | <b>8,00,000</b>    |
| 20 | HR & operations (resource persons)              | 6 months                                              | Lumpsum     | –        | <b>3,00,000</b>    |
| 21 | Home compost bins                               | 25 kg / 35 lit. capacity                              | 400 units   | 4,000    | <b>16,00,000</b>   |
| 22 | Composting & gardening training                 | Horticulture Dept led, 4 sessions                     | 4 sessions  | 50,000   | <b>2,00,000</b>    |
| 23 | Monitoring & reporting                          | 6-month Kurseong Municipality wet waste load tracking | Lumpsum     | –        | <b>50,000</b>      |
|    | <b>Total</b>                                    |                                                       |             |          | <b>1,53,75,000</b> |
|    | <b>Miscellaneous expenditure 10%</b>            |                                                       |             |          | <b>1537500</b>     |
|    | <b>Grand Total</b>                              |                                                       |             |          | <b>1,69,12,500</b> |

Note: Budgets are indicative; to be validated through detailed DPR and site surveys.

## 6. Expected Outcomes & Milestones

- Pine Forest + Dowhill School+ Victoria School+ Hanuman Top and adjoining locality Kurseong declared a model garbage-free pilgrimage and view site
- 100% segregation at source in pilot ward achieved through programme
- 60–70% reduction in wet waste to landfill from 400 households practising home composting
- 6 murals transform approach lanes into a living cultural corridor
- Adjacent jhora shows zero plastic blockage events within 6 months of operationalization
- 3 SHG units generating sustainable livelihood through Tourism.

# **SILIGURI MUNICIPAL CORPORATION**

## **Action Plan**

### **Clean Himalayan Hill Cities Initiative**

#### **Five Integrated Site Action Plans**

1. Darjeeling More.
2. Bidhan Market & Hong Market area.

#### **One Capacity Building Action Plans**

**Total Budget: Rs.4.20 crore**

# **Action Plan 1**

## **Clean Himalayan Hill Cities Initiative**

### **Darjeeling More (Siliguri, West Bengal)**

**Estimated Cost: Rs.1.91 crore**

## 1. Problem Statement and Rationale

### 1.1. Background

Located in the city center near Pradhan Nagar and Champasari, this intersection is crucial for transit and commerce. A major junction and bustling mid-segment locality in Siliguri, West Bengal.

1. Transit & Travel: It serves as the primary boarding point for shared jeeps and buses heading to the Darjeeling hills. It is also highly accessible to Siliguri Junction Railway Station and the broader transit network.
2. Real Estate & Living: Unlike the tourist-heavy hill station, Darjeeling More is an urban residential and commercial hub. Facilities: The neighbourhood houses key healthcare centers like the Neotia Getwel Healthcare Centre and North Bengal Neuro Research Centre.

### 2.1 Demographic Details

| Parameter                          | Details                                             |
|------------------------------------|-----------------------------------------------------|
| Location                           | Darjeeling more                                     |
| Coordinates                        | 26.7160° N LAT & 88.4100° E LONG                    |
| Nearest ULB                        | SILIGURI MUNICIPAL CORPORATION                      |
| Daily Footfall                     | 8000 TO 10000 perday                                |
| Peak Tourist and Festival Footfall | 20000 TO 50000 (Durga puja, kali puja & Chhat puja) |
| Market Footfall                    | 5000 to 8000 per day                                |
| Proximity to river                 | 1000 to 1500 meters to Mahananda river.             |
| Managing Committee                 | Borough I under SMC                                 |

## 3. Key Challenges :

A critical, heavily congested transit and commercial hub in Siliguri—faces severe challenges due to rapid urbanization, daily floating populations, and limited infrastructure. These factors lead to localized waste backlogs, unscientific open dumping, and environmental degradation.

- High Generation: An influx of floating populations, overwhelming primary collection points (like open bins and dumper placers).
- Zero at-Source Segregation: Despite awareness campaigns, most residential and commercial waste (including single-use plastics) is mixed. This lack of segregation makes large-scale recycling, composting, and waste-to-energy conversion nearly impossible.
- Open Dumping and Overflowing Bins: Overflowing secondary collection points lead to street litter and blockages in nearby drainage networks.
- No dedicated community toilet or aspirational toilet blocks.
- Directional and interactive signages are not available.

## 4. Activities to be undertaken within 6 months

| SN | Activity / Intervention Component           | Timeline     |
|----|---------------------------------------------|--------------|
| 1  | Convergence Committee Setup & Formalisation | 1 to 15 days |
| 2  | Baseline Waste Audit & Transit Risk Mapping | 7 to 30 days |

|    |                                                |                |
|----|------------------------------------------------|----------------|
| 3  | Commercial Vendor/Driver KABP Survey           | 15 to 45 days  |
| 4  | Aspirational Eco-Toilet Construction           | 30 to 90 days  |
| 5  | Segregated Weather-Proof Bin Installation      | 30 to 45 days  |
| 6  | Murals & Public Space Infrastructure           | 60 to 100 days |
| 7  | Taxi Stand Bay Markings & Signage              | 30 to 45 days  |
| 8  | SHG Marshal & Kiosk Keeper Deployment          | 1 to 180 days  |
| 9  | Cutlery Bank & Repair Corner Setup             | 45 to 90 days  |
| 10 | Aerobic Composter & Home Bin Distribution      | 60 to 180 days |
| 11 | Post-Launch Cleanliness Scorecard & Monitoring | 30 to 180 days |

## 5. Initiative-Wise Budget Breakup

Grand Total: Rs.1.91 Crore (Rupees One Crore ninety one Lakh Only)

| SN       | Project Component / Item Specification                    | Units / Scale | Unit Cost (Rs.) | Total Cost (Rs.) |
|----------|-----------------------------------------------------------|---------------|-----------------|------------------|
| <b>A</b> | <b>Transit Sanitation Infrastructure</b>                  |               |                 |                  |
| 1        | Aspirational Pay-and-Use Toilet Block (6-Seat)            | 1 Seat        | 2,50,000        | 15,00,000        |
| 2        | Heavy-Duty 3-Stream Bins (120 Litre)                      | 15 Units      | 6,000           | 90,000           |
| 3        | Water Vending Unit (250 Ltr/Hr to cut plastic bottle use) | 1 Unit        | 5,00,000        | 5,00,000         |
| 4        | Multilingual Cleanliness Signage & Solar Audio System     | 1 Set         | 3,50,000        | 3,50,000         |
| 5        | SHG Cleanliness Marshal Honorarium (6 Months)             | 8 Persons     | 5,000/Month     | 2,40,000         |
| 6        | Capacity Building Workshops & Cloth Bag Kiosks            | Lumpsum       | —               | 3,00,000         |
|          | <b>Sub-Total</b>                                          |               |                 | <b>29,80,000</b> |
| <b>B</b> | <b>Gateway Creative Public Spaces</b>                     |               |                 |                  |
| 8        | Large Gateway Murals on Highway Retaining Walls           | 10 Murals     | 5,50,000        | 55,00,000        |
| 9        | Pedestrian Footpath Concrete Stone-Inlay Walkways         | 1 Plaza       | 20,00,000       | 20,00,000        |
| 10       | Heritage Rest-Point Timber/Stone Benches & Lighting       | 5 Sets        | 2,50,000        | 12,50,000        |
| 11       | Digital QR-Code Local Trail & Clean Transit Maps          | Lumpsum       | —               | 2,00,000         |
|          | <b>Sub-Total</b>                                          |               |                 | <b>89,50,000</b> |
| <b>C</b> | <b>Darjeeling More Taxi Stand Streamlining</b>            |               |                 |                  |
| 12       | Parking Bay Demarcation, Markings & Arrows                | Lumpsum       | —               | 8,00,000         |
| 13       | Transit Bins, No-Smoking/ Compliance Boards               | Lumpsum       | —               | 7,00,000         |
| 14       | Driver Coordinator Network Setup & Drives                 | 4 Events      | 1,50,000        | 6,00,000         |
| 15       | SHG Terminal Parking Maintenance Crew (6 Months)          | 4 Persons     | 5,000/Month     | 1,20,000         |
|          | <b>Sub-Total</b>                                          |               |                 | <b>22,20,000</b> |

|           |                                                        |            |          |                        |
|-----------|--------------------------------------------------------|------------|----------|------------------------|
| <b>D</b>  | <b>Closed-Loop Market Programme</b>                    |            |          |                        |
| <b>16</b> | Commercial Vendor Audits & Survey Operations           | Lumpsum    | —        | 4,00,000               |
| <b>17</b> | Zero-Waste Vendor Training & Compliance KITS           | Lumpsum    | —        | 5,00,000               |
| <b>18</b> | Reusable Stainless-Steel Cutlery Bank Setup            | 1 Bank     | 1,00,000 | 1,00,000               |
| <b>19</b> | SHG-Run Repair-Reuse Corner Infrastructure             | 1 Unit     | 3,00,000 | 3,00,000               |
| <b>20</b> | Community SWM Stewardship Meetings                     | Lumpsum    | —        | 3,00,000               |
|           | <b>Sub-Total</b>                                       |            |          | <b>16,00,000</b>       |
| <b>E</b>  | <b>Wet Waste Management – Decentralized Composting</b> |            |          |                        |
| <b>21</b> | Domestic Home Compost Bins (25 kg Capacity)            | 300 Units  | 4,000    | 12,00,000              |
| <b>22</b> | Horticulture Dept-led Home Composting Training         | 3 Sessions | 60,000   | 1,80,000               |
| <b>23</b> | Commercial Market Waste Aerobic Composter Unit         | 1 Unit     | 2,00,000 | 2,00,000               |
| <b>24</b> | Data Monitoring                                        | Lumpsum    | —        | 50,000                 |
|           | <b>Sub-Total</b>                                       |            |          | <b>16,30,000</b>       |
|           | <b>TOTAL</b>                                           |            |          | <b>1,73,80,000</b>     |
|           | <b>Miscellaneous Contingency @ 10%</b>                 |            |          | <b>17,38,000</b>       |
|           | <b>GRAND TOTAL BUDGET</b>                              |            |          | <b>Rs. 1,91,18,000</b> |

## 6. Expected Outcomes & Milestones

- **Model Transit Status:** Darjeeling More transformed into an absolute garbage-free and litter-managed gateway node.
- **Commercial Waste Diversion:** 100% of organic waste from Ward 46 vegetable markets routed to the aerobic composter, preventing organic decay in open city bins.
- **Residential Reduction:** A verified 60–70% drop in wet waste volume reaching municipal landfills from the 400 tracked residential households.
- **Plastic Minimization:** Full single-use plastic eradication across street food vendors via the active SHG cutlery bank and cloth bag exchange loop.
- **Stand Node Enforcement:** The junction running smoothly as a clean, tobacco-free transit area monitored via driver-led accountability panels.
- **Livelihood Creation:** Integration of 3 distinct SHG operational setups drawing stable livelihoods through facility caretaking, composting, and kiosk management.

# **Action Plan 2**

**Clean Himalayan Hill Cities Initiative**

**Bidhan Market & Hong Kong Market  
area.**

**Estimated Cost: Rs.2.29 cr**

## 1. Problem Statement and Rationale

### 1.1 Background

Siliguri Hong Kong Market is a famous shopping destination in Siliguri, West Bengal, India. It is well-known for selling low-cost imported goods including international brands of clothing, shoes, electronics, and other items. The allure of a 50,000 square foot market drew travellers to a town devoid of tourist attractions. It's adjacent area is the Bidhan market and these both markets attracts around 8 lakhs annual visitors as a livelihood hub for numerous vendors.

### 1.2 Demographic Details

| Parameter                   | Bidhan Market Details                                                                                      | Hong Kong Market Details                                                                          |
|-----------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Location & Context          | Ward 12, Siliguri, Darjeeling District, West Bengal (Core wholesale & retail market)                       | Ward 12, Hill Cart Road, Siliguri, West Bengal (High-density electronics & imported goods market) |
| Nearest ULB                 | Siliguri Municipal Corporation (SMC)                                                                       | Siliguri Municipal Corporation (SMC)                                                              |
| Site Area / Footprint       | ~3.5 hectares (Sprawling network of alleys, permanent stalls, and open vendors)                            | ~1.2 hectares (Compact, multi-level, enclosed micro-bazaar layout)                                |
| Daily Footfall (Average)    | 15,000 – 22,000 persons / day                                                                              | 18,000 – 25,000 persons / day (Heavily skewed toward tourists)                                    |
| Peak Festival Footfall      | 45,000 – 60,000 persons / day (During Durga Puja, Diwali, and New Year shopping surges)                    | 35,000 – 50,000 persons / day (Peak summer and winter Himalayan tourist transit windows)          |
| Registered Stalls / Vendors | 1,200 – 1,500 permanent shops + ~300 daily street hawkers                                                  | 600 – 800 compact indoor stalls + ~150 peripheral mobile vendors                                  |
| Proximity to Waterways      | Within 150 meters of secondary urban drainage channels ( <i>jhoras</i> ) feeding the Mahananda River basin | Directly adjacent to main roadside stormwater channels leading to urban <i>jhoras</i>             |
| Primary Managing Authority  | Bidhan Market Traders Association / SMC Ward 12 Office                                                     | Hong Kong Market Vyasa Samiti / SMC Ward 12 Office                                                |

### 1.3 Key Challenges-

- Massive Volume of Unsegregated Waste: Unlike residential areas, these markets produce mixed commercial waste (paper, plastics, cardboard, and food waste). Lack of source segregation by shopkeeper's makes recycling and treatment almost impossible.
- High Floating Population & Street Vending: Enormous daily footfall and densely packed street vendors lead to erratic littering and localized dumping. This creates localized blockages and spills outside designated community bins.

- **Drainage and Monsoon Hazards:** Improper disposal of non-biodegradable plastic wrappers chokes the open and closed drainage networks in both market areas. This often results in urban flooding and waterlogging during the heavy monsoon season.
- **Storage and Collection Bottlenecks:** Narrow lanes and crowded pathways make it difficult for the Siliguri Municipal Corporation (SMC) to deploy large, automated collection vehicles during peak business hours. Wastes are often left on the streets for extended periods.
- **Lack of Extended Producer Responsibility (EPR):** Despite rules mandating commercial establishments to manage their own packaging and plastic waste, enforcement in these traditional markets remains weak, shifting the entire burden onto the municipality.

## 2. Strategy/ Activity for Achieving 'Garbage-Free' Status within 6 months

### A. Preparatory Phase (Day 1 – Day 35)

- **Day 1–5:** Formal constitution of the Swachhata Convergence Committee.
- **Day 5–15:** Baseline waste quantification audit and sanitation gap mapping across both markets.
- **Day 10–25:** Complete registration of all permanent shop owners, hawkers, and unregistered roadside vendors.
- **Day 15–35:** Designing artistic murals and engineering layouts for the market toilet blocks.
- **Day 20–35:** Vendor KABP (Knowledge, Attitude, Behavior, Practice) survey to assess source-segregation barriers.

### B. Implementation Phase (Day 25 – Day 150)

- **Day 25–90:** Construction of aspirational toilet blocks (with separate male, female, and accessible facilities).
- **Day 30–75:** Installation of multi-lingual "Save the Himalayas" themed IEC boards and digital visitor pledge displays.
- **Day 35–55:** Deployment of weather-proof, colour-coded 3-stream segregation bins across market alleyways.
- **Day 35–60:** Execution of regulated vending stall zones and signing of waste-responsibility agreements.
- **Day 40–120:** Local artists execute the KHIMSA heritage murals and install street furniture/solar lighting.
- **Day 45–90:** Implementation of STAND norms at transit junctions, setting up anti-tobacco signage.
- **Day 50–120:** Procurement of stainless-steel sets for the reusable cutlery bank and launch of the SHG upcycling stall.
- **Day 50–100:** Setup and operationalization of the 500 kg/day aerobic composter unit for market food waste.

### C. Monitoring & Sustainability Phase (Day 70 onwards)

- **Monthly:** Systematic site cleanliness scoring (litter index tracking, toilet hygiene audits, and composter yield logs).
- **Bi-Monthly:** Routine compliance audits for individual vendors (checking single-use plastic violations and updating 'Swachh Vendor' plaques).
- **Quarterly:** High-level committee performance reviews comparing waste-diversion metrics against baseline targets.

### 3. Initiative-wise Budget Breakup

Following the standard Rs.2.29 Crore flagship template provided in the document for high-footfall tourist/commercial junctions

| SN       | Project Component / Item Specification                    | Units / Scale | Unit Cost (Rs.) | Total Cost (Rs.)   |
|----------|-----------------------------------------------------------|---------------|-----------------|--------------------|
| <b>A</b> | <b>Market Infrastructure and Sanitation</b>               |               |                 |                    |
| 1        | Aspirational Pay-and-Use Toilet Block (6-Seat)            | 1 Seat        | 2,50,000        | 15,00,000          |
| 2        | Heavy-Duty 3-Stream Bins (120 Litre)                      | 12 Units      | 6,000           | 72,000             |
| 3        | Water Vending Unit (250 Ltr/Hr to cut plastic bottle use) | 1 Unit        | 5,00,000        | 5,00,000           |
| 4        | Multilingual Cleanliness Signage & Solar Audio System     | 1 Set         | 3,50,000        | 3,50,000           |
| 5        | SHG Cleanliness Marshal Honorarium (6 Months)             | 8 Persons     | 5,000/Month     | 2,40,000           |
|          | <b>Sub-Total</b>                                          |               |                 | <b>26,62,000</b>   |
| <b>B</b> | <b>Flagship Creative Transformation</b>                   |               |                 |                    |
| 6        | Large Scale Heritage Murals                               | 20 Murals     | 5,50,000        | 1,10,00,000        |
| 7        | Stone flooring, folk- art railing etc in market plaza     | 1 Plaza       | 20,00,000       | 20,00,000          |
| 8        | Kiosks, with solar eco-lighting                           | 5 Sets        | 2,50,000        | 12,50,000          |
|          | <b>Sub-Total</b>                                          |               |                 | <b>1,42,50,000</b> |
| <b>C</b> | <b>Transit and Parking area management</b>                |               |                 |                    |
| 9        | Parking Bay Demarcation, Markings & Arrows                | Lumpsum       | —               | 8,00,000           |
| 10       | Anti littering messages                                   | Lumpsum       | —               | 4,00,000           |
| 11       | Driver Coordinator Network Setup & Capacity Building      | 4 Events      | 1,50,000        | 6,00,000           |
| 12       | SHG Terminal Parking Maintenance Crew (6 Months)          | 4 Persons     | 5,000/Month     | 1,20,000           |
|          | <b>Sub-Total</b>                                          |               |                 | <b>19,20,000</b>   |
| <b>D</b> | <b>Zero Waste Market Programme</b>                        |               |                 |                    |
| 13       | Commercial Vendor Audits & Survey Operations              | Lumpsum       | —               | 4,00,000           |
| 14       | Zero-Waste Vendor Training & Compliance KITS              | Lumpsum       | —               | 5,00,000           |
| 15       | Reusable Stainless-Steel Cutlery Bank Setup               | 1 Bank        | 1,00,000        | 1,00,000           |
| 16       | SHG-Run Repair-Reuse Corner Infrastructure                | 1 Unit        | 3,00,000        | 3,00,000           |
| 17       | Community SWM Stewardship Meetings                        | Lumpsum       | —               | 3,00,000           |
|          | <b>Sub-Total</b>                                          |               |                 | <b>16,00,000</b>   |
| <b>E</b> | <b>Wet Waste - Market Composting System</b>               |               |                 |                    |
| 18       | Aerobic Composting Training                               | 3 Sessions    | 60,000          | 1,80,000           |
| 19       | Commercial Market Waste Aerobic Composter Unit            | 1 Unit        | 2,00,000        | 2,00,000           |

|           |                                        |         |   |                            |
|-----------|----------------------------------------|---------|---|----------------------------|
| <b>20</b> | Data Monitoring                        | Lumpsum | — | 50,000                     |
|           | <b>Sub-Total</b>                       |         |   | <b>4,30,000</b>            |
|           | <b>TOTAL</b>                           |         |   | <b>2,08,62,000</b>         |
|           | <b>Miscellaneous Contingency @ 10%</b> |         |   | <b>20,86,200</b>           |
|           | <b>GRAND TOTAL BUDGET</b>              |         |   | <b>Rs.<br/>2,29,48,200</b> |

## Consolidated Budget & Initiative Summary

Clean Himalayan Hill Cities Initiative– Siliguri (Siliguri Municipal Corporation)

### Site-wise Budget Summary

| S/N | Site / Action Plan                               | Location & Jurisdiction                                 | Type / Primary Focus Area                             | Grand Total Budget Allocation (Rs.) |
|-----|--------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1.  | Darjeeling More                                  | Pradhan Nagar & Champasari intersection, Borough I, SMC | Transit Hub & High-Density Commercial Gateway         | <b>1,91,18,000</b>                  |
| 2.  | <b>Bidhan Market &amp; Hong Kong Market Area</b> | Ward 12, Hill Cart Road, Siliguri                       | High-Density Traditional Retail & Tourist Market Zone | <b>2,29,48,200</b>                  |
|     | <b>GRAND TOTAL</b>                               |                                                         |                                                       | <b>4,20,66,200</b>                  |

**GRAND TOTAL : Rs. 4,20,66,200 only**

# **Kalimpong Municipality**

## **Action Plan**

### **Clean Himalayan Hill Cities Initiative**

**Site Action Plan: DURPIN AREA, KALIMPONG**

**Total Budget: Rs.1.39 crore**

## 1. Problem Statement and Rationale

### 1.1 Background –

Kalimpong, known for its scenic beauty, rich cultural heritage, and serene hill environment, is a prominent town in the Kalimpong district of West Bengal, Established as a Municipality in 1945, Kalimpong serves as an important administrative and tourism hub in the Eastern Himalayas.

Like other hill town, Kalimpong's urban management must prioritize ecological balance, slope stability, and sustainable development while addressing increasing urbanization and tourist inflow.

### 1.2 Common sanitation and cleanliness challenges in specific regions

Include inadequate infrastructure, deep-rooted cultural and behavioral barriers, insufficient funding and maintenance, and disparities in access to clean water. Due to the upsurge in population there has been a relative increase in waste production, comparatively we have lesser manpower to deal with soaring population along with their waste generation from migratory and floating population. Another shortcoming that we have been dealing is the shortage of vehicles under our department which makes it burdensome for better management. Since, Kalimpong has a hilly terrain there are some places that is completely inaccessible compelling us to hire additional labors for waste collection which furthermore makes the process lengthy and expensive. Moreover, the roadmap and topography makes the transport costlier utilizing heavy revenue and straining the limited financial resources.

### 1.3 Demographic Details

| Parameter                                             | Details                                    |
|-------------------------------------------------------|--------------------------------------------|
| <b>Location</b>                                       | Zang Dok Palri Durpin Monastery, Kalimpong |
| <b>Coordinates</b>                                    | 27.0422° N, 88.4552° E. approx.            |
| <b>ULB</b>                                            | Kalimpong Municipality                     |
| <b>Site Area</b>                                      | 2 Acre approx.                             |
| <b>Ward No.</b>                                       | 16                                         |
| <b>Peak Festival Footfall</b>                         | 2000 - 3500 (approx.)                      |
| <b>Waste Generated ( Avg 60 kg to 1 TPD)</b>          | 1 TPD                                      |
| <b>Priority Sites Identified</b>                      |                                            |
| <b>Proximity Area , Jhora, GVP, Collection Point,</b> |                                            |
| <b>Managing ULB</b>                                   | Kalimpong Municipality                     |

## 2. Proposed Strategy/ Activity for Achieving 'Garbage-Free' Status

## A. Preparatory Phase

| SN                                 | Activity                                         | Details                                                                       | Responsibility                                                                  | Timeline |
|------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------|
| <b>CONVERGENCE SETUP</b>           |                                                  |                                                                               |                                                                                 |          |
| 1                                  | <b>Swachhata Convergence Committee formation</b> | Ecclesiastical Dept+ + SHGs framework formalized                              | Ecclesiastical Dept/ Kalimpong Municipality                                     | Day1–5   |
| 2                                  | <b>Baseline waste &amp; sanitation audit</b>     | Waste quantification, Lake risk mapping, taxi stand sanitation gap assessment | Kalimpong Municipality/SBM(U)                                                   | Day5–15  |
| 3                                  | <b>Stake holder consultation</b>                 | Active Social Person ,vendors, SHGs, residents, youth                         | Kalimpong Municipality /Ecclesiastical Dept                                     | Day10–20 |
| <b>WARD-LEVELSITUATIONANALYSIS</b> |                                                  |                                                                               |                                                                                 |          |
| 4                                  | <b>KABP survey (1ward)</b>                       | Survey 10% HHs + bulk generators on awareness, segregation practices          | Kalimpong Municipality /SHG volunteers                                          | Day10–25 |
| 5                                  | <b>Waste audit at collection points</b>          | Quantitative waste characterizationat2 sites × 2 rounds in pilot ward         | Kalimpong Municipality/ Healing Himalayas / Save the Himalaya / PLAN foundation | Day15–30 |

## B. Implementation Phase

| SN                            | Activity                                       | Details                                                                    | Responsibility         | Timeline |
|-------------------------------|------------------------------------------------|----------------------------------------------------------------------------|------------------------|----------|
| <b>INFRASTRUCTURE&amp;IEC</b> |                                                |                                                                            |                        |          |
| 6                             | <b>Eco-toilet block construction</b>           | 4-seat (2M+2F) aspirational block, hand-wash station, drainage             | Kalimpong Municipality | Day25–65 |
| 7                             | <b>Segregated bin installation</b>             | 30colour-coded(3-stream) bins along circumambulation path & approach       | Kalimpong Municipality | Day35–50 |
| 9                             | <b>IEC signage &amp; LED panels deployment</b> | Multilingual boards+ 2 LED panels                                          | Kalimpong Municipality | Day35–55 |
| 10                            | <b>Drinking water vending unit</b>             | 1unitatmaingateto reduce plastic bottle usage                              | Kalimpong Municipality | Day45–60 |
| 11                            | <b>Capacity building</b>                       | Site committee, SHGs, vendors safai karmis–4 workshops                     | Kalimpong Municipality | Day30–60 |
| 12                            | <b>SHG marshal deployment</b>                  | 2SHGunitsasfull-timesitemanagers+ cloth bag kiosk                          | Kalimpong Municipality | Day45–70 |
| <b>CREATIVEPUBLICSPACES</b>   |                                                |                                                                            |                        |          |
| 13                            | <b>Artist &amp; community mobilization</b>     | Identify local artists, school students, SHG members for mural co-creation | Kalimpong Municipality | Day25–40 |
| 14                            | <b>Mural design &amp; wall preparation</b>     | 8 mural designs finalized ;wall surface preparation on approach lane       | Kalimpong Municipality | Day35–50 |

|                                               |                                                     |                                                                             |                        |            |
|-----------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------|------------------------|------------|
| 15                                            | <b>Mural painting &amp; installations</b>           | Execution of 8 murals + interpretive panels + heritage-style amenities      | Kalimpong Municipality | Day 50–80  |
| <b>CLOSED-LOOP COMMUNITY PROGRAMME</b>        |                                                     |                                                                             |                        |            |
| 21                                            | <b>Ward SWM Committee formation</b>                 | Elected rep + Social Active Persons + SHGs + youth + school representatives | Kalimpong Municipality | Day 30–45  |
| 22                                            | <b>Participatory planning workshop</b>              | Co-create ward-level waste action plan with SWM Committee                   | Kalimpong Municipality | Day 40–55  |
| 23                                            | <b>Cutlery bank &amp; repair-reuse corner setup</b> | Procure reusable cutlery sets + establish repair/resale space in ward       | SHG                    | Day 50–75  |
| 24                                            | <b>D2D awareness &amp; IEC campaign</b>             | Door-to-door drives on segregation; ward exhibitions; social media          | SHG/Youth Volunteers   | Day 45–100 |
| <b>WET WASTE MANAGEMENT – HOME COMPOSTING</b> |                                                     |                                                                             |                        |            |
| 25                                            | <b>House hold beneficiary identification</b>        | Survey 400 HHs; screen for space + willingness to compost                   | Kalimpong Municipality | Day 20–35  |
| 26                                            | <b>Composting training</b>                          | Agriculture Dept-led training on composting + kitchen gardening             | Kalimpong Municipality | Day 40–55  |
| 27                                            | <b>Distribution of 300 compost bins</b>             | 25 kg capacity bins distributed to trained households                       | Kalimpong Municipality | Day 50–65  |

### C. Monitoring & Sustainability Phase

| SN | Activity                              | Details                                                                  | Responsibility         | Timeline                                               |
|----|---------------------------------------|--------------------------------------------------------------------------|------------------------|--------------------------------------------------------|
| 28 | <b>Monthly cleanliness inspection</b> | Taxi Stand: bin saturation, litter index, marshal attendance             | Kalimpong Municipality | Monthly                                                |
| 29 | <b>CIRCLES ward review meetings</b>   | Waste diversion tracking, KABP re-survey at 6 months, bye law compliance | Kalimpong Municipality | Monthly                                                |
| 30 | <b>Quarterly performance review</b>   | All initiatives: targets v/s actual; corrective actions                  | Kalimpong Municipality | Quarterly in 3 <sup>rd</sup> and 6 <sup>th</sup> Month |

### 3. Budget – Initiative-wise Breakup

Grand Total : Rs. 1.39 crore (One crore thirty nine lakh only)

| SN                                               | Component                 | Specification              | Units     | Unit Cost (Rs.) | Cost (Rs.)       |
|--------------------------------------------------|---------------------------|----------------------------|-----------|-----------------|------------------|
| <b>A. Sacred Site Cleanliness Infrastructure</b> |                           |                            |           |                 |                  |
| 1                                                | Eco-toilet block (4-seat) | 2M+2F, hand-wash, drainage | 1 Seat    | 2,50,000        | <b>10,00,000</b> |
| 2                                                | Segregated 3-stream bins  | 100–120 lit. with wheel    | 30 units  | 5,000           | <b>1,50,000</b>  |
| 4                                                | SHG marshal honorarium.   | 2 units × 4 persons        | 8 persons | 5,000/mth       | <b>2,40,000</b>  |

|                                                          |                                          |                                                       |            |          |                  |
|----------------------------------------------------------|------------------------------------------|-------------------------------------------------------|------------|----------|------------------|
| 5                                                        | IEC signage & awareness boards           | Multilingual, 20 units                                | 20 units   | 10,000   | <b>2,00,000</b>  |
| 6                                                        | LED display boards                       | 10×10ft outdoor, 2 units                              | 2 units    | 4,00,000 | <b>8,00,000</b>  |
| 7                                                        | Drinking water vending unit              | 250 ltr/hr                                            | 2 unit     | 5,00,000 | <b>10,00,000</b> |
| 8                                                        | Plastic bottle drop centers              | 500 PET capacity cage                                 | 10 units   | 3,000    | <b>30,000</b>    |
| 9                                                        | Capacity building (4 workshops)          | Venue, kits, resource persons                         | 6 sessions | 50,000   | <b>3,00,000</b>  |
|                                                          | <b>Sub-total</b>                         |                                                       |            |          | <b>37,20,000</b> |
| <b>B. Creative Public Spaces &amp; Heritage Art</b>      |                                          |                                                       |            |          |                  |
| 10                                                       | Indigenous mural installations           | 6 murals on approach lane walls                       | 6 murals   | 5,00,000 | <b>30,00,000</b> |
| 11                                                       | Interpretive & heritage panels           | Hand-painted tiles, stone-inlay motifs                | 1 set      | 6,00,000 | <b>6,00,000</b>  |
| 12                                                       | Public amenities upgrade                 | Heritage-style benches, pillar lanterns (10 units)    | 10 units   | 1,20,000 | <b>12,00,000</b> |
| 13                                                       | Artist & student community participation | Materials, workshops stipends                         | Lump sum   | —        | <b>3,00,000</b>  |
|                                                          | <b>Sub-total</b>                         |                                                       |            |          | <b>51,00,000</b> |
| <b>D. Closed-Loop Community Programme (1 Ward)</b>       |                                          |                                                       |            |          |                  |
| 19                                                       | KABP survey & waste audit                | Survey 10% HHs + 2 collection-point audits × 2 rounds | Lump sum   | —        | <b>4,00,000</b>  |
| 20                                                       | Community stewardship & SWM Committee    | Meeting costs, community mobilization                 | Lump sum   | —        | <b>4,00,000</b>  |
| 21                                                       | D2D IEC campaigns & ward exhibitions     | Volunteer training, materials, events                 | Lump sum   | —        | <b>4,00,000</b>  |
| 22                                                       | Cutlery bank & repair-reuse setup        | Reusable cutlery sets + storage + repair space        | Lump sum   | —        | <b>6,00,000</b>  |
| 23                                                       | HR & Operations (resource persons)       | 6 months                                              | Lump sum   | —        | <b>3,00,000</b>  |
|                                                          | <b>Sub-total</b>                         |                                                       |            |          | <b>21,00,000</b> |
| <b>E. Wet Waste Management—Home Composting (400 HHs)</b> |                                          |                                                       |            |          |                  |
| 24                                                       | Home compost bins                        | 25kg/35lit. capacity                                  | 300 units  | 4,000    | <b>12,00,000</b> |

|    |                                 |                                   |           |        |                    |
|----|---------------------------------|-----------------------------------|-----------|--------|--------------------|
| 25 | Composting & gardening training | Horticulture Dept-led, 4 sessions | 6sessions | 50,000 | <b>3,00,000</b>    |
| 26 | Monitoring & reporting          | 6-month Wet waste load tracking   | Lump sum  | —      | <b>2,00,000</b>    |
|    | Wet Waste Sub-total             |                                   |           |        | <b>17,00,000</b>   |
|    | <b>TOTAL</b>                    |                                   |           |        | <b>1,26,20,000</b> |
|    | <b>Miscellaneous@10%</b>        |                                   |           |        | <b>12,62,000</b>   |
|    | <b>GRANDTOTAL</b>               |                                   |           |        | <b>1,38,82,000</b> |

Note: Budgets are indicative; to be validated through detailed DPR and site surveys.

#### 4. Expected Outcomes & Milestones.

- 100% segregation at source in pilot ward achieved through programme
- 60–70% reduction in wet waste to land fill from 300 households practicing home composting
- 6 murals transform approach lanes in to a living cultural corridor
- Adjacent jhora shows zero plastic blockage events within 6 months of operationalisation
- SHG units generating sustainable livelihood through Durpin Area operation sand cloth bag bank