



Final Report on Swachhata Survey in GIDC Estates

Survey of Gujarat Industrial Development Corporation (GIDC) Estates
for Swachhata Abhiyan 2016

May 2017

Prepared by
Urban Management Centre



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Disclaimer

This document presents the findings of the primary survey conducted by the Urban Management Centre (UMC) from December 2016 to March 2017 of 201 GIDC estates. This document refers information collected during our site visits and secondary information provided by the estate manager or associations. During the course of the study and report preparation we were provided with both written and verbal information. We also supplemented the study with digital drawings. Nothing has come to our attention to cause us to believe that the data or maps provided by various sources are not true or not correct. We believe this information to be authentic and therefore have not conducted an independent audit of the same. No investigation of the title of tangible and intangible assets has been made and matters of a legal nature relating to the title of the assets have not been considered.

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Acronyms and abbreviations

CETP	Common Effluent Treatment Plant
CPHEEO	The Central Public Health and Environmental Engineering Organization
DCR	Development Control Regulations
DMP	Disaster Management Plan
ESR	Elevated service reservoir
ETP	Effluent Treatment Plant
GIDC	Gujarat Industrial Development Corporation
GP	Gram Panchayat
GRS	Grievance Redressal System
Ha	Hectare
IEC	Information Education Communication
MGSM	Mahatma Gandhi Swachhata Mission
NA	Not Applicable
OHT	Over Head Tank
O&M	Operation and Maintenance
OSS	On Site Sanitation
SBM	Swachh Bharat Mission
SBU	Swachh Bharat Urban
SCADA	Supervisory Control and Data Acquisition
SLF	Scientific Landfill Facility
STP	Sewage Treatment Plant
SWD	Storm Water Drainage
ULB	Urban local body
UMC	Urban Management Centre

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1 Introduction

Since 2014, India has started a journey to become a clean country. Following Mahatma Gandhi's mantra 'cleanliness is godliness', the Swachh Bharat Mission (SBM) gathers the forces of the states and citizens to achieve its goal: a clean, open-defecation free and sustainable India. The Gujarat Industrial Development Corporation (GIDC) is taking part in this global effort under the Swachh Bharat Urban (SBU). GIDC undertook a 'GIDC Swachhata Abhiyan 2016' for all its industrial estates.

The campaign encourages the estates in improving their amenities including their waste and waste water disposal system, cleanliness and overall environment. In order to do so, a competition is organized between the 200+ estates and one notified area, to determine the cleanest industrial estates of Gujarat.

GIDC has appointed Urban Management Centre (UMC) to conduct a primary assessment of the estates across the state and rate them. GIDC will then reward the best estates suitably.

2 Aim and Objective

In September 2016, GIDC notified 202 industrial estates and one notified area of Gujarat that a survey was about to be conducted in their premises. GIDC communicated a list of criteria under which the estates would be evaluated and invited them to take part in the competition. More than 40 estates accepted to be involved. However, GIDC decided to survey all the estates irrespective of their participation in the competition. All the estates have been divided into two categories based on the area:

- Large Estates (greater than 100 Ha)
- Small Estates (smaller than 100 Ha)

The survey allows GIDC to assess the cleanliness and regular maintenance of industrial estates. It provides important data on the development of the estates. The competition provides an opportunity to the estates to improve their waste and water management as well as their overall environment. It rewards the estates that put more effort in becoming sustainable by safely collecting and disposing their solid waste, waste water and provide a green environment.

According to the twelve broad parameters provided from GIDC in the circular, the scoring framework was firmed into five major sectors, as listed in the table below. Each section was divided into questions to be asked to the estate manager and to be noted as per enumerator's observations. The sections and the marks allocated for industrial area of the estate are represented as follows:

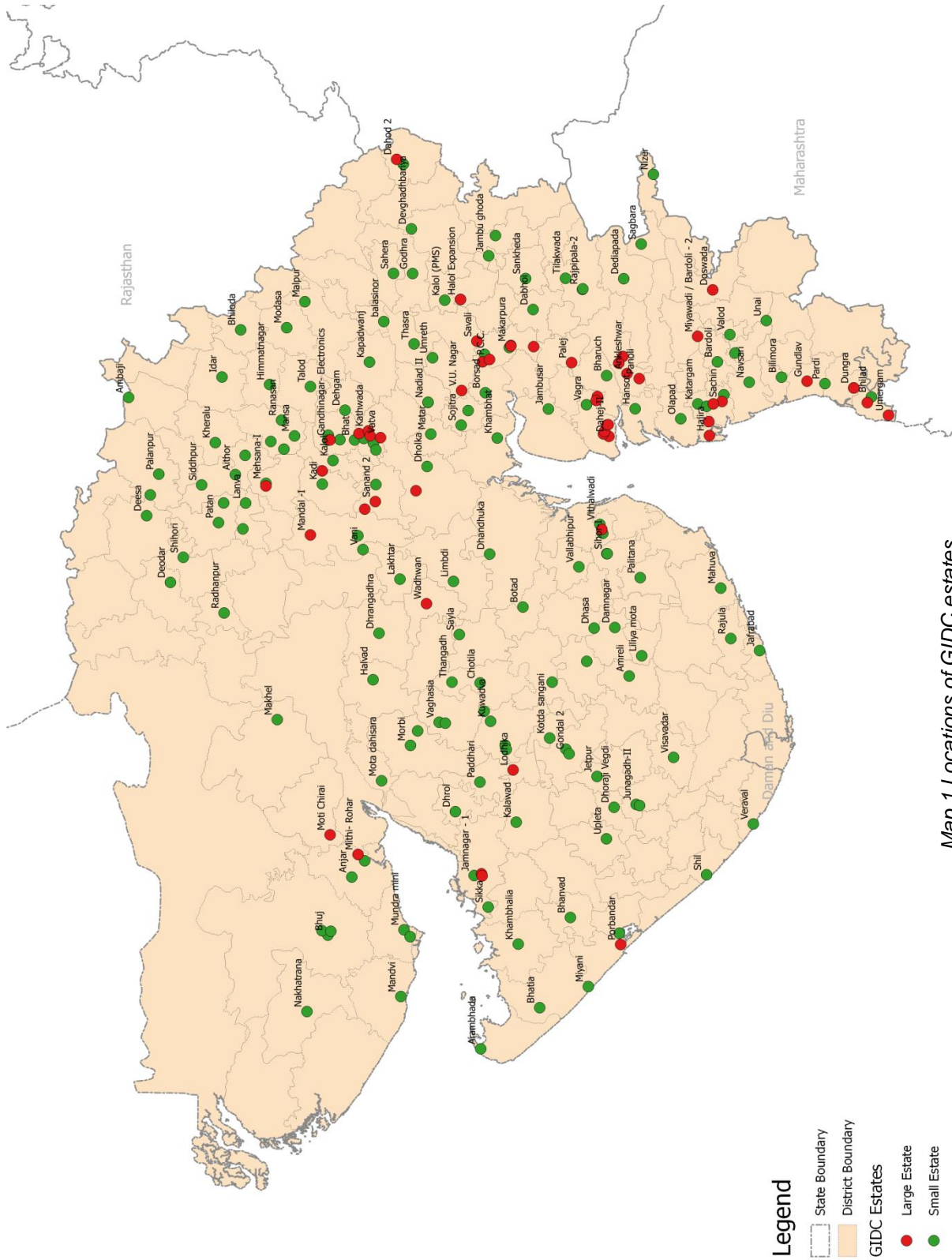
Sector	Weightage
1.Plantation	10
2.Road, street lights and signage	20
3.Sanitation facilities	55
4.Water supply	10
5.Emergency response	5
Total	100

3 Scope and Limitations:

This report discusses the findings of the overall cleanliness on the basis of availability and maintenance of the obligatory infrastructure facilities in all the industrial estates of Gujarat State under jurisdiction of GIDC plus one notified area. This report presents the findings of the survey conducted in 201 GIDC estates and draws recommendations based on UMC's technical expertise.

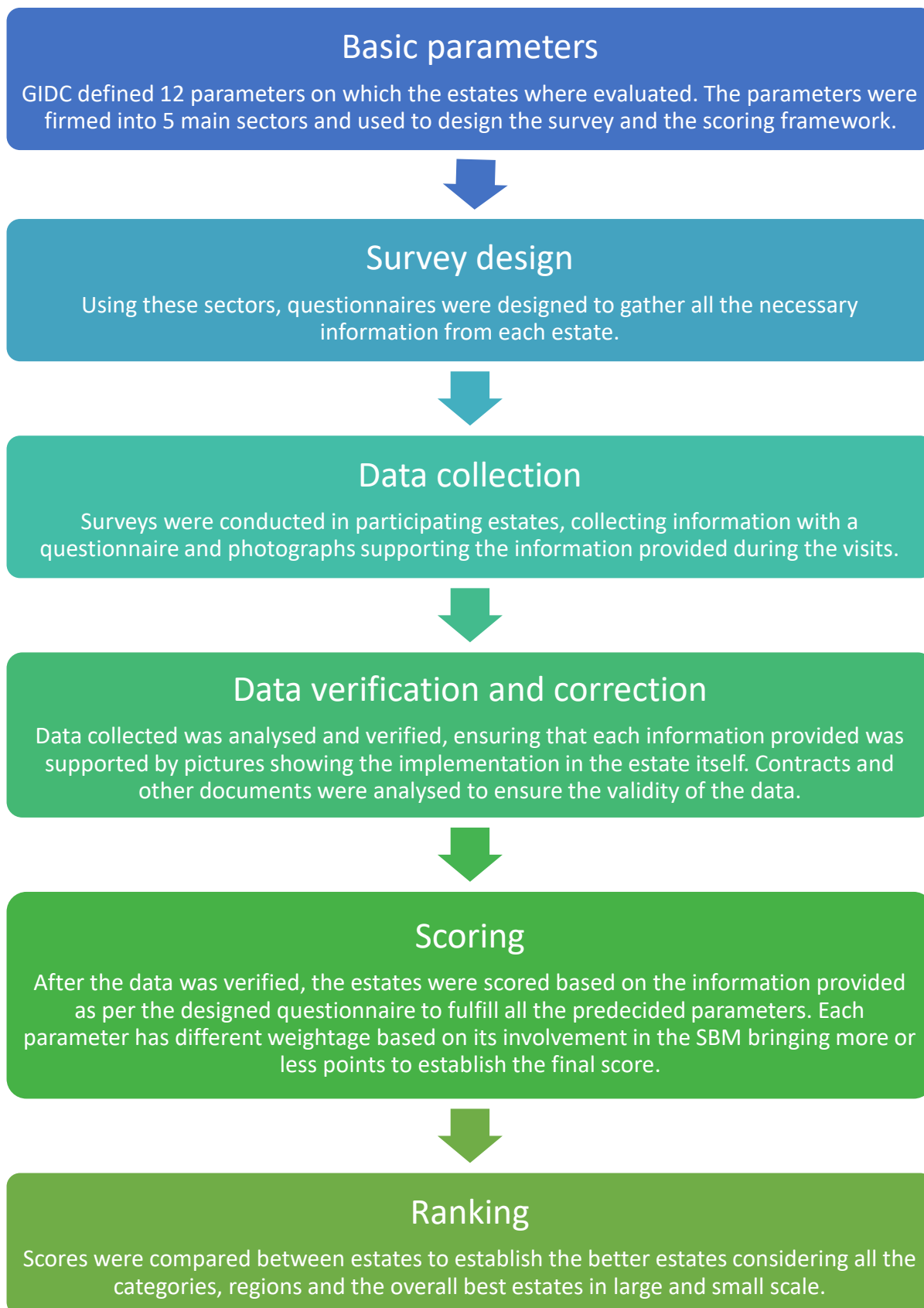
This data used for the analysis is based on the feedback of respondents – GIDC's estate managers and/ or presidents (or designated representatives) of industrial associations. Our team also gathered feedback from a few independent industries in the estates. During the survey, our team focussed on GIDC's and industrial associations' compliance as per the assessment framework only (refer Annexure D). The assessment of estates is limited to the availability and maintenance of the estates' common facilities and does not measure the performance/ quality of the infrastructure available.

The recommendations provide in the report are based on our subject expertise and comparison with standards and norms wherever available. The recommendations are drawn based on aggregate data available for all estates and may be useful for GIDC to plan and make budgetary provisions for infrastructure and services improvements. We recommend that GIDC should prepare a detailed project report for each estate prior to undertaking improvements.



Map 1 Locations of GIDC estates

4 Methodology





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