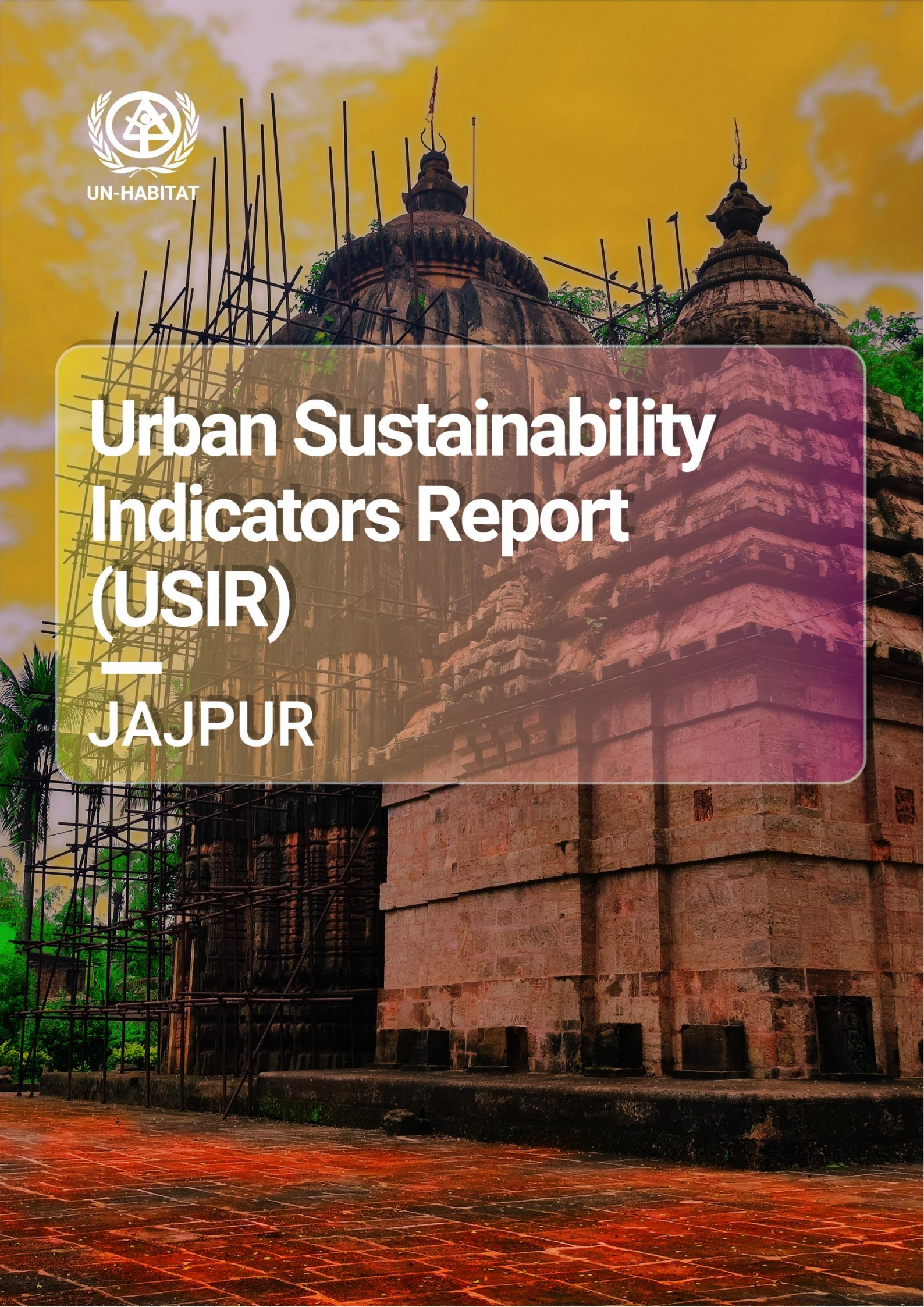




Urban Sustainability Indicators Report (USIR) — JAJPUR



Prepared By:**Submitted to:**

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Message from the Collectorate, Jajpur

Jajpur is the ancient capital city of Odisha and is home to several renowned heritage and cultural assets such as the Maa Biraja Temple, the Jagannath Temple and also the Buddhist Monasteries of Ratnagiri, Lalitgiri and Udaygiri. The district has nurtured several handicraft and art forms including the GI Tag Gopalpur Tussar weaving cluster, stone carving, and terracotta pottery. Jajpur's vision is to grow into a dynamic, sustainable, and economically vibrant district with a low-carbon footprint while respecting and encouraging these existing cultural strengths. To achieve this vision, it is critical to take a data-driven approach to strategically guide the development in an upcoming and highly ambitious district such as Jajpur.

I appreciate the efforts of UN-Habitat and the district team for jointly preparing the Urban Sustainability Indicators Report for Jajpur, developed under the project 'Pathway to Sustainable, Resilient, and Inclusive Development in Jajpur, Vyasaganar and Panasa Gram Panchayat' in Odisha. It is a comprehensive report which elaborates on the urban metrics through extensive spatial, quantitative, and qualitative data analysis needed for evidence-based planning and city management. It enables a granular understanding at neighbourhood level of Jajpur's strengths and weaknesses across 12 key urban development sectors that represent the primary urban planning and management functions of the urban local bodies.

This report shall be instrumental in identifying the critical diagnostic issues and priority areas where Jajpur needs to develop strategic projects and interventions for on-ground transformation. We extend our full support to the team as they progress towards the next stages of the project to collectively lay the foundations of a sustainable, resilient, and inclusive Jajpur.

C.S. Rathore

Chakravarti Singh Rathore, IAS
Collector and District Magistrate,
May 2023
Jajpur District-755001
Government of Odisha

List of Acronyms

SPAJ	Special Planning Authority Jajpur
CSCAF	Climate Smart City Assessment Framework
EOLI	Ease of Living Index
ESCI	Emerging and Sustainable Cities Initiative
GDP	Gross Domestic Product
GHG	Green House Gas
GIS	Geographical Information System
GPSC	Global Platform for Sustainable Cities
MoHUA	Ministry of Housing and Urban Affairs
MPI	Municipal Performance Index
SDG	Sustainable Development Goals
SLB	Service Level Benchmarking
SS 2020	Swachh Survekshan 2020
SWM	Solid Waste Management
UN-Habitat	United Nations Human Settlements Programme
URDPFI	Urban and Regional Development Plans Formulation and Implementation
USAF	Urban Sustainability Assessment Framework
USIR	Urban Sustainability Indicators Report

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Key Definitions

Benchmark: Benchmarks refer to a quantitative value set for an indicator to assess the performance to reach the target. Scoring range is based on benchmarks derived from national standards and linked to global standards wherever possible. In the Urban Sustainability Assessment Framework (USAF), for quantitative indicators, indicator value over and above the set benchmark is categorised as excellent performance.

Threshold: Threshold is the minimum level of performance that can be associated with an indicator value to be considered within the sustainability range.

1. Introduction

Jajpur is amongst the oldest municipalities in the state of Orissa established in 1869 along with Kendrapara. Jajpur town has been the administrative capital of Jajpur District since 1993. Historically, the town was also an important Buddhist center. Jajpur can be accessed through National Highway 16 connecting Chennai and Kolkata via Bhubaneswar and lies on the right bank of the Baitarani River which flows in the north-east direction. There is no railway track through Jajpur and the nearest railway station is in Vyasagar, located at a distance of 32.2km. The nearest airport is in Bhubaneswar, 103.5km from Jajpur town.

As per Census 2011, the population of Jajpur was 0.37 lakh. The Municipal jurisdiction is divided into 18 wards covering an extent of 11.6 sq.km. The average population density of the town is 35 persons per hectare (PPH). It is observed that ward number 1,2,3,6,5 and 14 have a density of more than 45 persons per hectare (PPH). Under the Rajiv Awas Yojana's Slum Redevelopment Project, Jajpur Municipality has de-notified thirty slums as part of its major urban management initiatives in Phases I and II. At present, slums occupy approximately 0.11% of land with 0.23% of households living within them.

Jajpur Town has achieved top rank under the Swachh Survekshan Survey 2019 along with Karanjia and Paradeep Municipalities of Odisha. The observation assessment indicates that over 95% of residential and commercial areas are clean and sweeping takes place in all the wards.

Under the direction of the Directorate of Town Planning, Odisha, the Special Planning Authority Jajpur (SPAJ) is currently preparing a GIS/RS based Master Plan for the Master Plan Area Jajpur with a horizon year of 2040. The vision of the Master Plan is to promote, regulate and guide the urban growth in a planned manner.

This Urban Sustainability Assessment Indicators Report for Jajpur intends to enhance decision-making by augmenting the development potential of Jajpur Municipality and strengthening day-to-day management and good governance. It can also help decision-makers prioritize projects to effectively direct resources towards targeted areas for maximum impact and benefit.

2. City Management and Planning Indicators

Urban sustainability indicators are important tools to measure and monitor city's development status and trajectory. The indicators in this report cover 12 sectors, namely, public space-safety-urban form, housing-property, water, sanitation, solid waste management, transportation, social services-facilities, environment-ecology, clean energy, disaster risk management, governance-data management, and finance-economy (Figure 2.1). These sectors represent the primary urban planning and management functions of the urban local bodies. The report provides multi-sectoral outlook as well as granular sector-specific data to assess city's performance relative to national and international standards.

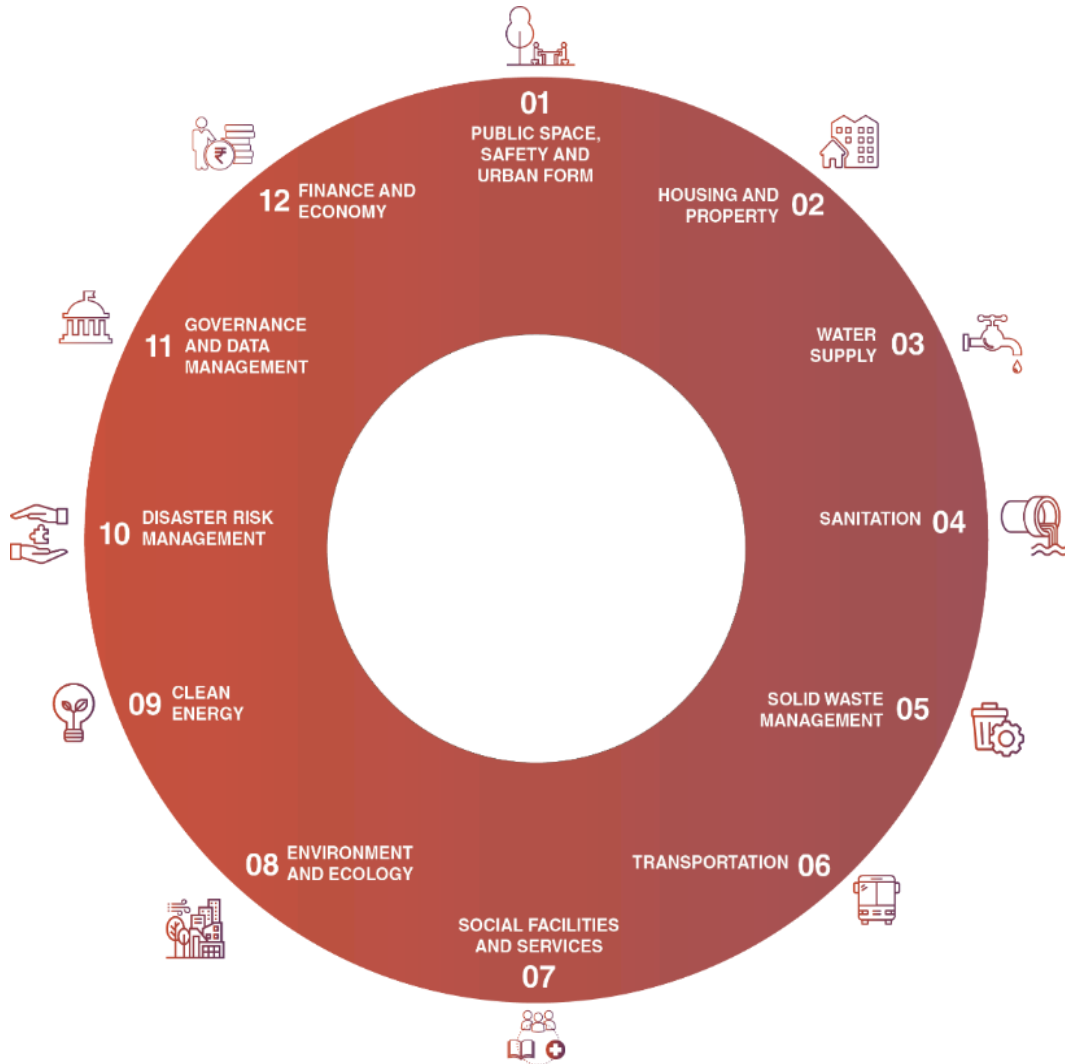


Figure 2.1: Urban Sectors

3. Indicator Categories and Scoring

There are 131 indicators in USAF which are formulated using 204 data inputs across 12 sectors. These 131 indicators have been divided into three levels: 54 are primary, 55 are secondary and 22 are tertiary. The definitions of the levels are specified in Figure 3.1.



Figure 3.1: Indicator Levels and their Definitions

The indicators are scored on a 7-point scale (very low to excellent performance). A score of 0 (or very low performance) is given when performance is below minimum threshold and score of 6 (or excellent performance) is given when performance meets or exceeds the benchmark set by considering national and global standards. Performance above the set threshold for an indicator procures the score of 1 (or low performance). National urban averages are used as mid-point (score 3 or medium performance) wherever either thresholds or benchmarks weren't available.

For representation, the range of performance follows a spectral colour ramp and varies from two shades of red (very low - low) to two shades of green (high - excellent) with three shades of yellow in between (lower medium - medium - upper medium) (Figure 3.2).

Indicator Performance						
0	1	2	3	4	5	6
Very low performance	Low performance	Lower medium performance	Medium performance	Upper medium performance	High performance	Excellent performance

Figure 3.2: Colour gradient of indicator performance

4. Sector-wise City Performance

This section presents the indicator-wise and overall performance of each sector for primary, secondary, and tertiary indicators, based on the data collected and scored in accordance with the scoring methodology. It also includes the status of data collection for each sector.

For Jajpur, **86%** of all the indicators (**113 out of 131 total**) have been collected (refer figure 4.1). A total of 93% of primary, 85% of secondary and 73% of tertiary indicators have been collected.

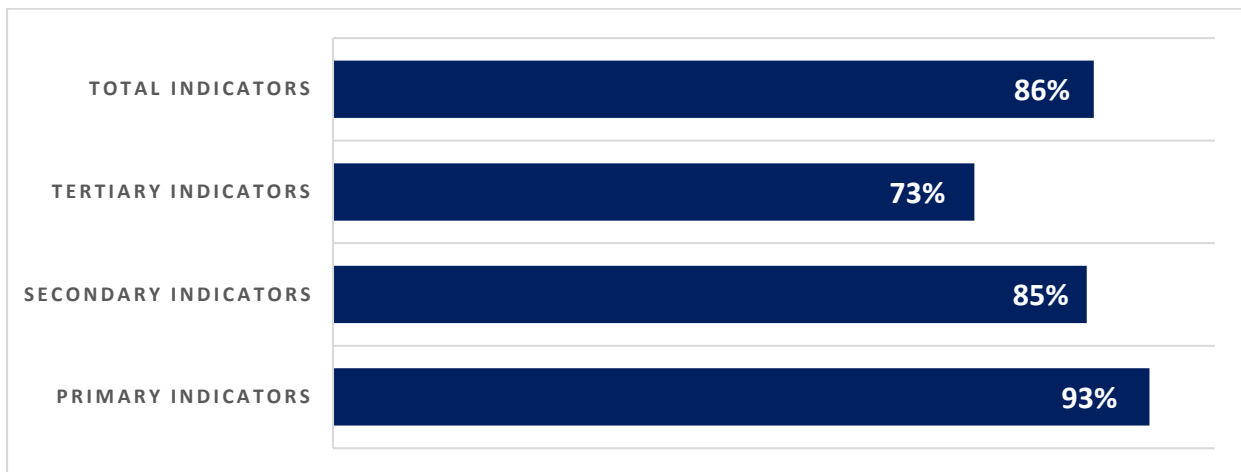


Figure 4.1: Indicator collection status for Jajpur

In the following sections (4.1 to 4.12), performance of overall sector and each indicator in that sector is given. In the sector wise tables, '-' in the city indicator value column represents unavailable data. These indicators are not scored and represented by '-' in the indicator performance column. In the indicator performance column, 'NA' value represents that the scoring for such indicators is 'Not Applicable' (for descriptive indicators). Overall average for each sector is calculated based on the collected indicators.

A detailed list of all indicators, indicator value, scoring range, city score, indicator type and source framework for each of the 12 sectors is provided in Annexure 6.1.

4.1. Urban Form, Public Space and Safety

There are **9** indicators in this sector, 3 of which are related to safety, 2 to urban form and the remaining 4 indicators related to public spaces. Out of 9 indicators, 5 are primary indicators. Data has been collected for **8** indicators.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
UPS	1.1	Percentage of city roads covered with street lighting (%)	Primary	52%	0
UPS	1.2	Percentage change in the built-up area per capita in the city in between year 2000 and year 2014 (%)	Primary	-16%	NA
UPS	1.3	Percentage of agriculture use area proposed for future developable uses in the Master Development Plan (%)	Primary	100% ¹	NA
UPS	1.4	Percentage of population within 500m distance to public park/open space (%)	Primary	88%	6
UPS	1.5	Open space (includes recreational space, organised green, other common open spaces) per capita (sqm/person)	Primary	7.2	0
UPS	1.6	Percentage share of pedestrian fatalities in total fatalities (motorized/non-motorized transport) in road accident during a year (%)	Secondary	25%	0

¹ According to the Draft Master Plan 2040, the total agricultural land area of ULB will be converted into developable area and it has been confirmed in the Stakeholder meeting by Jajpur Municipality officials.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
UPS	1.7	Percentage of recreational and open space (includes stadiums, theme parks, playgrounds, maidan) of total developable area (%)	Secondary	4%	0
UPS	1.8	Rating of safety standards of the city	Tertiary	-	-
UPS	1.9	Amount spent in operations and maintenance per square metre area of parks in the city by the ULB (INR per sqm)	Tertiary	1.14	NA
UPS	Overall Sector Average Score				1

Table 4.1: Urban Form, Public Space and Safety

4.2. Housing and Property

There are **5** indicators in this sector related to the slum settlements, housing demand in the city. Data has been collected for **2** indicators.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
HP	2.1	Percentage of urban households living in slums/squatter settlements (%)	Primary	0.23% ²	6
HP	2.2	Percentage of city area under slums/squatter settlements (%)	Primary	0.11%	NA
HP	2.3	Percentage of owner-occupied housing units to total housing units (%)	Secondary	-	-

² There is only one notified slum, Kalyanpur slum falls under Ward -15 with 21 HHs at present; the other 30 slums have been de-notified by the Municipality as they have access to basic amenities.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
HP	2.4	Percentage of households spending greater than 30 percent of their income on accommodation expenses (%)	Tertiary	-	-
HP	2.5	Percentage of households living in one room (%)	Tertiary	-	-
HP	Overall Sector Average Score				6

Table 4.2: Housing and Property

4.3. Water

There are **6** indicators to assess the water resource management including service coverage and efficiency in providing households with piped connection, metered connections, and measuring the extent of non-revenue water in the city. Out of 6 indicators, 4 are primary indicators. Data has been collected for all **6** indicators.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
WTR	3.1	Percentage of households with piped connection (%)	Primary	72%	4
WTR	3.2	Percentage of water samples in a year that comply with national potable water quality standards (%)	Primary	64%	3
WTR	3.3	Existence of water resources assessment and management Plan prepared in the last five years.	Primary	No water resource assessment has been carried out	0

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
WTR	3.4	Extent of Non-Revenue Water (%)	Primary	0%	6
WTR	3.5	Water supply per capita (LPCD)	Secondary	170	6
WTR	3.6	Extent of metering of water supply connections (%)	Secondary	0%	0
WTR	Overall Sector Average Score				3

Table 4.3: Water

4.4. Sanitation

For assessing performance of city on coverage of sewerage network and toilet facilities and industry compliance with wastewater treatment norms and guidelines, there are **9** indicators in the sanitation sector. Out of 9 indicators, 5 are primary indicators. Data has been collected for all **9** indicators.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
SAN	4.1	Percentage of properties in the ULB connected to sewerage network (%)	Primary	0%	0
SAN	4.2	Proportion of households having access to toilet facility (%)	Primary	100%	6
SAN	4.3	Percentage of sewage treated before discharge into surface water bodies (%)	Primary	0%	0

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
SAN	4.4	Percentage of wastewater samples that passed the specified secondary treatment standards from the total samples collected in a year (%)	Primary	0%	0
SAN	4.5	Percentage of wastewater received at the treatment plant that is recycled or reused after appropriate treatment for various purposes (%)	Primary	0%	0
SAN	4.6	Percentage of city sewage that is treated in a sewage treatment plant (%)	Secondary	0%	0
SAN	4.7	Percentage of industries complying with wastewater treatment as per CPCB norms (%)	Secondary	0%	0
SAN	4.8	Existence of FSSM Action plan or notified San-benchmarks, byelaws/ guidelines/ policy notes by the ULB/Development Authority	Secondary	Guideline/policy/action plan prepared and published	6
SAN	4.9	Percentage of Public Toilets (PTs) mapped on Google Maps (%)	Tertiary	100%	6

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
SAN		Overall Sector Average Score			2

Table 4.4: Sanitation

4.5. Solid Waste Management

There are **12** indicators in the framework to assess the existing situation of solid waste management which includes the extent of scientific landfill sites, provision for treating hazardous waste and remediation of legacy waste in the city. Out of 12 indicators, 5 are primary indicators. Data has been collected for all **12** indicators.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
SWM	5.1	Percentage of city's wet waste processed (%)	Primary	100%	6
SWM	5.2	Percentage of the city's dry waste that is separated and classified for recycling/material recovery (%)	Primary	100%	6
SWM	5.3	Percentage of the city's solid waste that is used for energy recovery (incineration) or co-processing (%)	Primary	0%	6
SWM	5.4	Percentage of the city's municipal solid waste that is disposed of in open dumps / controlled dumps, water bodies / is burnt (%)	Primary	0%	6

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
SWM	5.5	Percentage of waste remediated in the city (%)	Primary	0%	0
SWM	5.6	Percentage of wards practicing source segregation of waste which is maintained till processing/ disposal site (%)	Secondary	100%	6
SWM	5.7	ICT based Monitoring Mechanism in place for: i) Ward wise Collection and Transportation (C&T) ii) Monitoring of Garbage Vulnerable Points (GVPs) iii) Attendance of Sanitation Staff	Secondary	3	6
SWM	5.8	Percentage of informal waste pickers integrated into sustainable SWM systems (%)	Secondary	100%	6
SWM	5.9	Percentage of C&D waste collected of the total C&D waste generated (%)	Secondary	100%	6
SWM	5.10	Percentage of hazardous waste processed (%)	Secondary	100%	6
SWM	5.11	Total solid waste generation per capita per day (kg/capita/day)	Tertiary	0.33	4
SWM	5.12	Percentage Coverage of wards under Door-To-Door Collection System (%)	Tertiary	100%	6

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
SWM		Overall Sector Average Score			5

Table 4.5: Solid Waste Management

4.6. Transportation

There are **14** indicators in the transportation sector informing about the status of public transport coverage, quality, safety features, Non-Motorized Transport and investment in environmentally friendly technologies, infrastructure by the ULB. Out of 15 indicators, 6 are primary indicators. Data has been collected for **12** indicators.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
TR	6.1	Percentage of population within 500m distance to public transport stops (%)	Primary	90%	6
TR	6.2	Kilometres of bicycle path per 100,000 population (km)	Primary	0	0
TR	6.3	Percentage of major roads covered with footpath (footpath wider than 1.2 meters) within the city (%)	Primary	1%	0
TR	6.4	Rate of increase in public transportation ridership (%)	Primary	-	NA
TR	6.5	Percentage of shared vehicles that operate on clean fuels like CNG, LPG, biofuels or are hybrid or electric vehicles (%)	Primary	0%	0
TR	6.6	Road density (km/sq.km)	Primary	11.68	NA

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
TR	6.7	Average travel speed in major roads of the city (kmph)	Secondary	25	6
TR	6.8	Percentage share of NMT in commuting (cycling and walking) (%)	Secondary	-	-
TR	6.9	Street intersection density (intersections/ sq.kms)	Secondary	4.46	0
TR	6.10	Kilometres of road with public transit per 100,000 population (km)	Secondary	77.1	6
TR	6.11	Fatal and serious injuries in road accidents per lakh population (number)	Secondary	83	0
TR	6.12	Accessibility of differently abled groups to Public Buses (%)	Secondary	0%	0
TR	6.13	Workplace accessibility within 30 minutes of transit (%)	Tertiary	100%	NA
TR	6.14	Percentage of total area of ULB allocated to streets (%)	Tertiary	69%	6
TR	Overall Average Sector Score				2

Table 4.6: Transportation

4.7. Social Facilities and Services

There are **11** indicators in the social facilities and services sector, out of which, 4 indicate about the demography, 5 are related to the health and 3 related to the situation of education in the city. Out of 11 indicators, 3 are primary indicators. Data has been collected for **7** indicators.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
SCL	7.1	Percentage of population within 800m distance to healthcare facilities (public/private) (%)	Primary	22% ³	0
SCL	7.2	Percentage of females of ages 7 and above who are literate (%)	Primary	74%	3
SCL	7.3	Percentage of population within 800m distance to primary/secondary schools (public/private) (%)	Primary	100%	6
SCL	7.4	Change in decadal population growth rate (1991-2001 and 2001-2011) (%)	Secondary	-2%	NA
SCL	7.5	City Level Dependency Ratio (%)	Secondary	-	NA
SCL	7.6	Under-five mortality rate per 1000 births (number)	Secondary	0%	6
SCL	7.7	Bed density in public and private hospitals (Hospital beds per 10,000 residents) (number)	Secondary	100.5	6
SCL	7.8	Percentage reduction in prevalence of vector borne diseases (malaria, dengue) over the previous year (%)	Secondary	-5.2%	0

³ The city's population is considered from Census 2011 which is 37,458

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
SCL	7.9	Percentage reduction in prevalence of waterborne diseases (Diarrhoea, typhoid) over the previous year (%)	Secondary	-	-
SCL	7.1	Percentage of schools with Access to Digital Education (%)	Secondary	60%	NA
SCL	7.11	Percentage of mobile network, by 3G and 4G technology subscriptions (%)	Tertiary	-	-
SCL	Overall Sector Average Score				4

Table 4.7: Social Facilities and Services

4.8. Environment and Ecology

With **18** indicators to examine whether ULBs have a clean air action plan, are equipped to measure the major pollutants, as well as disaggregate emissions data to the specific sectors, this is one of the most important sectors of USAF. Out of 18 indicators, 6 are primary indicators. Data has been collected for **13** indicators.

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
ENV	8.1	Clean Air Action Plan (Planning and Implementation)	Primary	No Air Pollution Monitoring / Clean Air	0

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
				Action Plan for the city	
ENV	8.2	Existence of a GHG emissions measurement system with a monitoring system (Y/N)	Primary; Aspirational	No	0
ENV	8.3	Total annual GHG emissions (MtCO ₂ e)	Primary; Aspirational	-	NA
ENV	8.4	Proportion of Tree Cover to the total ULB area (%)	Primary	3.3%	0
ENV	8.5	Extent to which city is acting for protection, conservation, and management of urban biodiversity	Primary	No action initiated	0
ENV	8.6	Number of structural and financial incentives for green buildings implemented (number)	Primary	No incentives	0
ENV	8.7	Annual mean Air Quality Index (AQI) (number)	Secondary	94	6
ENV	8.8	Annual CO ₂ equivalent (GHG) emissions per capita (MtCO ₂ e/capita)	Secondary; Aspirational	-	NA
ENV	8.9	Annual CO ₂ equivalent emissions from the	Secondary; Aspirational	-	NA

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
		transportation sector (MtCO ₂ e)			
ENV	8.10	Biochemical Oxygen Demand 3 day, 270C (mg/l)	Secondary	-	-
ENV	8.11	Area under ULB covered by trees per inhabitant (sqm per person)	Secondary	9.50	0
ENV	8.12	Is there a land use plan that includes zoning with environmental protection and preservation zones? (Y/N)	Secondary	No	0
ENV	8.13	Annual mean levels of PM ₁₀ (µg/m ³)	Tertiary	93.9	0
ENV	8.14	Annual mean levels of PM _{2.5} (µg/m ³)	Tertiary	48.3	0
ENV	8.15	Annual concentration of NO ₂ (µg/m ³)	Tertiary	14.3	6
ENV	8.16	Average daily concentration of SO ₂ (µg/m ³)	Tertiary	2	6
ENV	8.17	Total annual methane emissions (MtCO ₂ e)	Tertiary; Aspirational	-	NA

Code	No.	Indicator	Indicator Category	City Indicator Value	Indicator Performance
ENV	8.18	Existence, monitoring, and enforcement of regulations on noise pollution (Y/N)	Tertiary	No	0
ENV	Overall Sector Average Score				1

Table 4.8: Environment and Ecology

4.9. Clean Energy

There are **8** indicators in to assesses the current distribution network, coverage and stability, accessibility of households to natural gas for cooking, and current per capita consumption. Out of 8 indicators, 5 are primary indicators. Data has been collected for all **8** indicators.

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
CE	9.1	Percentage of the city's households using LPG/PNG for cooking (%)	Primary	35%	0
CE	9.2	Percentage of total electrical energy in the city derived from renewable sources (%)	Primary	0%	0
CE	9.3	Proportion of population in the city who have access to renewable energy (%)	Primary; Aspirational	0%	0

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
CE	9.4	Percentage of energy-efficient street lighting in the city (%)	Primary	100%	6
CE	9.5	Energy use per capita (kWh)	Primary	40.02	NA
CE	9.6	Percentage of the city's households with an authorized connection to electrical energy (%)	Secondary	72%	0
CE	9.7	Do existing building codes consider eco-friendly techniques and/or the use of local/renewable material? (Y/N)	Secondary	No	0
CE	9.8	System Average Interruption Frequency Index (SAIFI) (number)	Tertiary	2	5
CE	Overall Sector Average Score				2

Table 4.9: Clean Energy

4.10. Disaster Risk Management

There are **6** indicators to analyse the state of preparedness of the city in an event of natural disasters (flood, earthquakes, and cyclones) and manmade disasters (incidence of fire). Out of 6 indicators, 4 are primary indicators. Data has been collected for all **6** indicators.

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
DRM	10.1	Presence of City Disaster Management Plan prepared / updated in last five years (Y/N)	Primary	Plan prepared after year 2016	6
DRM	10.2	Existence of hazard vulnerability maps/risk maps (at city level) prepared / updated in the last five years for the main hazards threatening the city (Y/N)	Primary	Maps prepared/updated prior to year 2016	3
DRM	10.3	Percentage of households at risk due to placement in areas of non-mitigable risk within the ULB (%)	Primary	3%	6
DRM	10.4	Percentage of buildings within 4km distance to fire service facility (%)	Primary	100%	6
DRM	10.5	Presence of hazard early warning systems linked with command control system.	Secondary	Presence of hazard early warning system but no linkage with ULB Command & Control system	3
DRM	10.6	Existence of urban flood / water stagnation risk	Secondary	3	6

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
		assessment and management plan			
DRM		Overall Sector Average Score			5

Table 4.10: Disaster Risk Management

4.11. Governance and Data Management -done

There are **14** indicators to analyse the extent to which the ULBs are effectively directing the planning and management of the city. Out of 14 indicators, 5 are primary indicators. Data has been collected for all **14** indicators.

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
GOV	11.1	Number of planners per capita (number)	Primary	0	0
GOV	11.2	Years since enforced master plan/development plan was last reviewed and updated (number of years)	Primary	13	0
GOV	11.3	Number of services being managed through command-and-control system in the ULB (e.g.: SCADA, ICCC etc) (number)	Primary	0	0
GOV	11.4	Number of functions being implemented by ULB out of 18 functions	Primary	Less than 15	0

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
		stipulated in the Twelfth schedule of Indian constitution (number)			
GOV	11.5	Existence of Geographic information System (GIS) based Master Plan for the city	Primary	Presence of GIS base Master Plan prepared/ updated before 2015	3
GOV	11.6	Environmental status report with action plans published by the ULB for the last three years	Secondary	No	0
GOV	11.7	Percentage of total staff trained during the year in any of the ULB functionary domains (%)	Secondary	100%	6
GOV	11.8	Number of E-governance initiatives undertaken by the ULB: a. ULB website (Y/N) b. Online Public Service Delivery (Services provided online as a proportion of total Services provided) c. Online Public Service Delivery on Mobile (Services provided via	Secondary	3	6

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
		mobile as a proportion of total Services provided) d. Online Grievance Redressal (number of grievances received online as a proportion of total grievances received) e. Online Grievance Redressal on Mobile (Services provided via mobile as a proportion of total Services provided)			
GOV	11.9	Local development control regulations and master plan / development plan are accessible completely through the web.	Secondary	Both not available	0
GOV	11.10	Number of stipulated committees in the ULB: 1) Municipal Committee/Council 2) Ward Committee 3) Metropolitan Planning Committee / District Planning Committee 4) Project Coordination /Monitoring Committee 5) Town Vending Committee (Street vendors)	Secondary	1) Yes 2) Yes 3) Yes 4) Yes 5) Yes, 358Street vendors 6) At District level	6

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
		6) Heritage Conservation Committee			
GOV	11.11	ULB's citizen charter and appeal mechanisms	Secondary	Doesn't exist	0
GOV	11.12	Presence of City data officer (Y/N)	Secondary	Yes	6
GOV	11.13	Proportion of Women councillors in Municipal Council (%)	Tertiary	50%	6
GOV	11.14	Digital Governance: Presence on Open Data Portal	Tertiary	Yes	6
GOV		Overall Sector Average Score			4

Table 4.11: Governance and Data Management

4.12. Finance and Economy

Out of the total **19** indicators in this sector, 13 indicators are related to analysing the status of municipal finance in the city and the remaining 6 indicators suggest about the performance of the economic factors. Out of 19 indicators, 4 are primary indicators. Data has been collected for **15** indicators.

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
FIN	12.1	Credit rating of the ULB	Primary	-	-
FIN	12.2	Total property tax collected as a percentage of total property tax billed in the same financial year (%)	Primary	96%	6
FIN	12.3	Financial dependency: Percentage of grants received from central and state governments to total revenue (%)	Primary	100%	0
FIN	12.4	Growth rate of GDP per capita (%)	Primary	-	NA
FIN	12.5	Change in Own Source Revenue (number of years with OSR > 20%)	Secondary	1	0
FIN	12.6	Operating margin: Difference in revenue and expenditure in the financial year (INR in Lakhs)	Secondary	-259,231,871.00	0
FIN	12.7	Total cost of annual debt service as a percentage of expenditure (%)	Secondary	0%	NA
FIN	12.8	Percentage of debt/loans in overall budget allocation (%)	Secondary	0%	6
FIN	12.9	Properties covered under the tax net expressed as percentage of total properties within the municipality (%)	Secondary	100%	6

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
FIN	12.10	Efficiency of Capital expenditure spending: Actual capital expenditure spent expressed as a percentage of the budgeted capital expenditure in the financial year (%)	Secondary	100%	6
FIN	12.11	Cost Recovery in Water Supply: Total operating revenues expressed as a percentage of the total operating expenses incurred towards water supply services in the given financial year (%)	Secondary	13%	0
FIN	12.12	Cost Recovery in Sanitation: Total operating revenues expressed as a percentage of the total operating expenses incurred towards sanitation services in the financial year (%)	Secondary	0%	0
FIN	12.13	Cost Recovery in Solid Waste Management: Total operating revenues expressed as a percentage of the total operating expenses incurred towards solid waste management services in the financial year (%)	Secondary	11%	0

Code	Number	Indicator	Indicator Category	City Indicator Value	Indicator Performance
FIN	12.14	Unemployment rate of persons of age 15 years and above (%)	Secondary	5.2%	5
FIN	12.15	Inequality Index based on Consumption Expenditure-Gini Coefficient (score)	Secondary	-	NA
FIN	12.16	Percentage of workforce employed in the service sector (%)	Secondary	85.5	NA
FIN	12.17	Total capital expenditure as percentage of total expenditure (%)	Tertiary	96%	6
FIN	12.18	GDP density as a percentage of the built-up area of the local government (%)	Tertiary	-	NA
FIN	12.19	Informal employment as percentage of total employment (%)	Tertiary	77%	NA
FIN	Overall Sector Average Score				3

Table 4.12: Finance and Economy

5. Highlights and Way Forward

The overall average score of Jajpur is 3 (three), which is 'Medium Performance' with Sector – 2 Housing and Property (HP), Sector 5 - Solid Waste Management (SWM) and Sector 10 - Disaster Risk Management (DRM) Sectors scoring the highest and Sector 1- Urban form, Public Space and Safety (UPS), Sector 6 -

Transportation (TR) and Sector 8 - Environment and Ecology (ENV) scoring the lowest.

The average performance of each sector is represented using the 7-point colour gradient⁴ is given in Fig 5.1

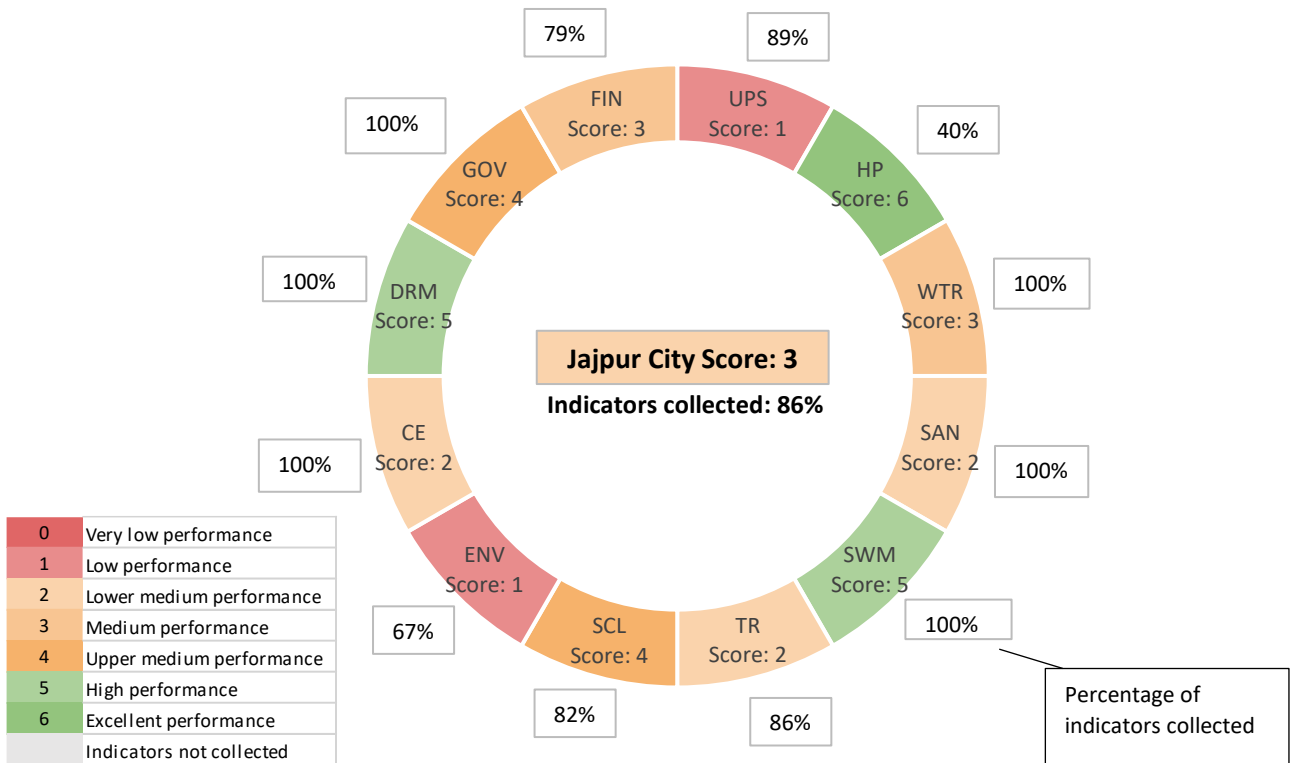


Figure 5.1: Average performance and percentage of indicators collected for all sectors

Amongst all the sectors, the highest six performing primary indicators are enlisted in Table 5.1 and the lowest three indicators in Table 5.2.⁵

⁴ It should be noted here that the performance of a sector may move in either direction if data points for more indicators were available.

⁵ The highest and lowest primary performing indicators are determined by taking the difference between the benchmark and the indicator value. Some of the lowest performing indicators may emerge from the highest average performing sectors or vice-versa.

Code	Number	Indicators	Indicator Category	Benchmark	Indicator Value
SWM	5.1	Percentage of the city's wet waste processes (%)	Primary	100%	100%
SWM	5.2	Percentage of the city's dry waste that is separated and classified for recycling/material recovery (%)	Primary	100%	100%
SCL	7.3	Percentage of population within 800m distance to primary/secondary schools (public/private) (%)	Primary	100%	100%
CE	9.4	Percentage of energy-efficient street lighting in the city (%)	Primary	100%	100%
DRM	10.1	Presence of City Disaster Management Plan prepared / updated in last five years (Y/N)	Primary	Plan prepared after year 2016	Plan prepared after year 2016
DRM	10.4	Percentage of buildings within 4km distance to fire service facility (%)	Primary	100%	100%

Table 5.1: Highest performing primary indicators

Code	Number	Indicator	Indicator Category	Benchmark	Indicator Value
UPS	1.1	Percentage of city roads covered with street lighting (%)	Primary	100%	52%
WTR	3.2	Percentage of water samples in a year that comply with national potable water quality standards (%)	Primary	100%	64%

Code	Number	Indicator	Indicator Category	Benchmark	Indicator Value
SCL	7.1	Percentage of population within 800m distance to healthcare facilities (public/private) (%)	Primary	100%	22%

Table 5.2: Lowest performing primary indicators

Jajpur Urban Sustainability Indicators Report is the foundation for an in-depth city profile, diagnostics and assessment for sustainable and resilient urban planning and management. Indicators are important input into the Urban Sustainability Assessment Framework (USAF), designed as a decision support tool for municipal commissioners, town planners, and urban practitioners to undertake evidence-based and spatially informed policy, regulatory, and granular development decisions. USAF methodology is documented in detail in the USAF Report available with UN-Habitat.

Regularly updated Urban Sustainability Indicators Report is crucial for identifying gaps and opportunities across the 12 sectors, thereby providing stronger impetus for master plan revision, preparing capital investment plans and development projects. Urban Sustainability Indicators Report can also be used for monitoring impact of policies and projects on local communities.

The Urban Sustainability Indicators Report is recommended to be prepared annually. In the future, Jajpur Municipality may customise its reporting based on relevant priority sectors at the time. The reporting framework is adaptable to meet the context of each city. However, it is recommended that cities report on all primary indicators and select from the menu of secondary and tertiary indicators. Public disclosure of data is encouraged to enable participation of community and other stakeholders in city's vision and development.

6. Annexures

6.1. Indicator Sheet with City Performance

The detailed methodology of evolution of the following indicators and explanation of the entire USAF process is documented in the USAF report. Details of each indicator including its calculation, formulation and performance evaluation levels is documented in the USAF technical manual report.

Data requested: Data has been requested from ULB or concerned departments and is awaited; **Data to be verified:** Input data yet to be verified from concerned officials; **Data not available:** Data not available

1. URBAN FORM, PUBLIC SPACE AND SAFETY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
UPS	1.1	Percentage of city roads covered with street lighting (%)	Primary	Non-spatial	52%	MPI (1.6.1)	The Twelfth schedule of Indian constitution; Pg.356 https://www.india.gov.in/sites/upload_files/npj/files/coi-eng-schedules_1-12.pdf	<80%	80%-83.9%	84%-87.9%	88%-91.9%	92%-95.9%	96%-99.9%	100%	0
UPS	1.2	Percentage change in the built-up area per capita in the city in between year 2000 and year 2014 (%)	Primary	Spatial	-16%	GPSC	[Descriptive Indicator]	NA ⁶	NA	NA	NA	NA	NA	NA	NA
UPS	1.3	Percentage of agriculture use area proposed for future developable uses in the Master Development Plan (%)	Primary	Non-spatial	100%	Expert recommended	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
UPS	1.4	Percentage of population within 500m distance to public park/open space (%)	Primary	Spatial	88%	NIF (11.7.1)	Source of distance of 500m: URDPFI, Vol 1, pg. 356 http://mohua.gov.in/upload/uploadfiles/files	<50%	50%-55.9%	56%-61.9%	62%-67.9%	68%-73.9%	74%-79.9%	>=80%	6

⁶ NA in the 7-point scoring range and city score columns refer to 'Not Applicable' as descriptive indicators in USAF are not scored.

1. URBAN FORM, PUBLIC SPACE AND SAFETY

Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							/URDPFI%20Guidelines%20Vol%20I.pdf								
UPS	1.5	Open space (includes recreational space, organised green, other common open spaces) per capita (sqm/person)	Primary	Non-spatial	7	CPI (4.1)	URDPFI, Vol 1, pg. 362 http://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I.pdf	<10sqm	10-10.3 sqm	10.4-10.7 sqm	10.8-11.1 sqm	11.2-11.5 sqm	11.6-11.9 sqm	>=12sqm	0
UPS	1.6	Percentage share of pedestrian fatalities in total fatalities (motorized/non-motorized transport) in road accident during a year (%)	Secondary	Non-spatial	25%	Expert recommended	SLBs for Urban Transport, Gol; Pg.35 http://mohua.gov.in/upload/uploadfiles/files/Service_level.pdf Accidental deaths & suicides in India - 2019 (Statistics) - Table 1A.3; National Crime Records Bureau https://ncrb.gov.in/sites/default/files/adsireports_previous_year/Table-1A.3_2019.pdf	>19.25%	19.25%-15.3%	15.4%-11.45%	11.55%-7.6%	7.7%-3.75%	3.85%--0.1%	0%	0
UPS	1.7	Percentage of recreational and open space (includes stadiums, theme parks, playgrounds, maidan) of total developable area (%)	Secondary	Non-spatial	4%	Expert recommended	URDPFI, Vol 1, Pg. 143 http://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I.pdf	<25%	25%-26.9%	27%-28.9%	29%-30.9%	31%-32.9%	33%-34.9%	>=35%	0
UPS	1.8	Rating of safety standards of the city	Tertiary; Aspirational	Non-spatial	-	EOLI (Perception Survey: 1.6)	Ease of living- Perception survey) (Pg. 34) https://smartnet.niua.o	Poor	NA	NA	Fair	NA	NA	Good	NA

1. URBAN FORM, PUBLIC SPACE AND SAFETY

Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							rg/eol19/pdf/EOL-2019-Completed-Version.pdf								
UPS	1.9	Amount spent in operations and maintenance per square metre area of parks in the city by the ULB (INR per sqm)	Tertiary	Non-spatial	1.14	Expert recommended	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA

Note*: -: Not Collected / Not Available

2. HOUSING AND PROPERTY

Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
HP	2.1	Percentage of urban households living in slums/squatter settlements (%)	Primary	Non-spatial	0.23%	EOLI (1.3.4)	Handbook of urban statistics 2019, Pg. no: 24 http://mohua.gov.in/pdf/5c80e2225a124Handbook%20of%20Urban%20Statistics%202019.pdf	>27.5%	27.5%- 23.9%	24%- 20.4%	20.5%- 16.9%	17%- 13.4%	13.5%- 9.9%	<=10%	6
HP	2.2	Percentage of city area under slums/squatter settlements (%)	Primary	Non-spatial	0.11%	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
HP	2.3	Percentage of owner-occupied housing units to total housing units (%)	Secondary	Non-spatial	Data not available	MDPI (3.6)	NA	<52.5%	52.5%- 57.9%	58%- 63.4%	63.5%- 68.9%	69%- 74.4%	74.5%- 79.9%	>=80%	-
HP	2.4	Percentage of households spending greater than 30 percent of their income on accommodation expenses (%)	Tertiary	Non-spatial	Data not available	GPSC	Handbook of urban statistics 2019 pg. no: 170 http://mohua.gov.in/p	NA	NA	NA	NA	NA	NA	NA	NA

2. HOUSING AND PROPERTY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							df/5c80e2225a124Handbook%20of%20Urban%20Statistics%202019.pdf								
HP	2.5	Percentage of households living in one room (%)	Tertiary	Non-spatial	Data not available	CPI (1.5)	Handbook of urban statistics 2019 pg. no: 159 http://mohua.gov.in/pdf/5c80e2225a124Handbook%20of%20Urban%20Statistics%202019.pdf	>80%	80%-64.9%	65%-49.9%	50%-34.9%	35%-19.9%	20%-4.9%	<=5%	-

3. WATER															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
WTR	3.1	Percentage of households with piped connection (%)	Primary	Non-spatial	72%	MPI (1.3.1)	Handbook of Service Level Benchmarking - CPHEEO; Pg. 23 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf C-WAS (Centre for Water and Sanitation) - Interactive Dash Board for Water Supply (2018) https://www.pas.org.in/web/ceptpas/interactivedashboards?p_p_id=InteractiveDashboard_WAR_Portal&p_p_lifecycle=1&p_p_state=normal&p	<20%	20%-35.9%	36%-51.9%	52%-67.9%	68%-83.9%	84%-99.9%	100%	4

3. WATER															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							_p_mode=view&p_p_col_id=column-1&p_p_col_count=1&actionVal=Retrieve&SkipAccessChecking=false								
WTR	3.2	Percentage of water samples in a year that comply with national potable water quality standards (%)	Primary	Non-spatial	64%	GPSC	Handbook of Service Level Benchmarking - CPHEEO; Pg. 33 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf	<90%	90%- 91.9%	92%- 93.9%	94%- 95.9%	96%- 97.9%	98%- 99.9%	100%	3
WTR	3.3	Existence of water resources assessment and management Plan prepared in the last five years	Primary	Non-spatial	No water resource assessment has been carried out	CSCAF (4.4: Indicator 1)	NA	No water resource assessment has been carried out	NA	NA	Assessment of current water resources along with future demand and water availability for at least five years	NA	NA	Water Resource Management (WRM) Plan is prepared with Short, Medium- and Long-Term Actions	0
WTR	3.4	Extent of Non-Revenue Water (%)	Primary	Non-spatial	0%	CSCAF (4.4: Indicator 2)	Handbook of Service Level Benchmarking - CPHEEO; Pg. 28 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf	>40%	40%- 35.9%	36%- 31.9%	32%- 27.9%	28%- 23.9%	24%- 19.9%	<=20%	6
WTR	3.5	Water supply per capita (LPCD)	Secondary	Non-spatial	170	MPI (1.3.2)	Handbook of Service Level Benchmarking - CPHEEO; Pg. 25 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf	<135 lpcd	135-137.9 lpcd	138-140.9 lpcd	141-143.9 lpcd	144-146.9 lpcd	147-149.9 lpcd	>=150 lpcd	6

3. WATER															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
WTR	3.6	Extent of metering of water supply connections (%)	Secondary	Non-spatial	0%	MPI (1.3.3)	Handbook of Service Level Benchmarking - CPHEEO; Pg. 27 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf	<20%	20%- 35.9%	36%- 51.9%	52%- 67.9%	68%- 83.9%	84%- 99.9%	100%	0

Note*: -: Not Collected / Not Available

4. SANITATION															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
SAN	4.1	Percentage of properties in the ULB connected to sewerage network (%)	Primary	Non-spatial	0%	MPI (1.4.6)	Handbook of Service Level Benchmarking - CPHEEO; Pg. 42 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf C-WAS (Centre for Water and Sanitation) - Interactive Dashboard for Sanitation (2018) https://www.pas.org.in/web/ceptpas/interactedashboards?p_p_id=InteractiveDashboard_WAR_Portal&p_p_lifecycle=1&p_p_state=nor	<80%	80%- 83.9%	84%- 87.9%	88%- 91.9%	92%- 95.9%	96%- 99.9%	100%	0

4. SANITATION															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							mal&p_p_mode=view &p_p_col_id=column- 1&p_p_col_count=1&a ctionVal=Retrieve&Ski pAccessChecking=fals e								
SAN	4.2	Proportion of households having access to toilet facility (%)	Primary	Non-spatial	100%	NIF (6.2.1)	Handbook of Service Level Benchmarking - CPHEEO; Pg. 40 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf Swachh Bharat Mission - Urban ODF https://swachhodfurban.org/	<90%	90%- 91.9%	92%- 93.9%	94%- 95.9%	96%- 97.9%	98%- 99.9%	100%	6
SAN	4.3	Percentage of sewage treated before discharge into surface water bodies (%)	Primary	Non-spatial	0%	NIF (6.3.1)	Handbook of Service Level Benchmarking - CPHEEO; Pg. 46 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf	<20%	20%- 35.9%	36%- 51.9%	52%- 67.9%	68%- 83.9%	84%- 99.9%	100%	0
SAN	4.4	Percentage of wastewater samples that passed the specified secondary treatment standards from the total samples collected in a year (%)	Primary	Non-spatial	0%	Expert recommended	Handbook of Service Level Benchmarking - CPHEEO; Pg. 49 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf	<70%	70%- 75.9%	76%- 81.9%	82%- 87.9%	88%- 93.9%	94%- 99.9%	100%	0
SAN	4.5	Percentage of wastewater received at the treatment plant	Primary	Non-spatial	0%	CSCAF (4.4: Indicator 3)	Handbook of Service Level Benchmarking -	<10%	10%- 11.9%	12%- 13.9%	14%- 15.9%	16%- 17.9%	18%- 19.9%	>=20%	0

4. SANITATION															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
		that is recycled or reused after appropriate treatment for various purposes (%)					CPHEEO; Pg. 51 http://cpheeo.gov.in/upload/uploadfiles/files/Handbook.pdf C-WAS (Centre for Water and Sanitation) - Interactive Dashboard for Sanitation (2018) https://www.pas.org.in/web/ceptpas/interactedashboards?p_p_id=InteractiveDashboard_WAR_Portal&p_p_lifecycle=1&p_p_state=normal&p_p_mode=view&p_p_col_id=column-1&p_p_col_count=1&actionVal=Retrieve&SkipAccessChecking=false Climate Smart City Assessment Framework Pg. 47								
SAN	4.6	Percentage of city sewage that is treated in a sewage treatment plant (%)	Secondary	Non-spatial	0%	MPI (1.4.5)	Municipal Performance Index Pg. 38 https://smartnet.niua.org/eol19/pdf/MPI_Methodology.pdf	<20%	20%-35.9%	36%-51.9%	52%-67.9%	68%-83.9%	84%-99.9%	100%	0

4. SANITATION															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							Table: State-wise details of sewage generation in urban areas and treatment capacity available; National status of wastewater generation & treatment http://www.sulabhenvi.s.nic.in/Database/STST_wastewater_2090.aspx								
SAN	4.7	Percentage of industries complying with wastewater treatment as per CPCB norms (%)	Secondary	Non-spatial	0%	Expert recommended	NA	<80%	80%-83.9%	84%-87.9%	88%-91.9%	92%-95.9%	96%-99.9%	100%	0
SAN	4.8	Existence of FSSM Action plan or notified San-benchmarks, byelaws/ guidelines/ policy notes by the ULB/Development Authority	Secondary	Non-spatial	Guidelines/policy/action plan prepared	SS 2020 (3.1)	NA	No guidelines/policy/action plan prepared	NA	NA	Work under progress	NA	NA	Guidelines/policy/action plan prepared	6
SAN	4.9	Percentage of Public Toilets (PTs) mapped on Google Maps (%)	Tertiary	Non-spatial	100%	SS 2020 (3.8)	Swachh Bharat Mission Urban http://sbmtoilet.org/backend/web/index.php?r=site%2Flogin	<80%	80%-83.9%	84%-87.9%	88%-91.9%	92%-95.9%	96%-99.9%	100%	6

Note*: -: Not Collected / Not Available

5. SOLID WASTE MANAGEMENT															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
SWM	5.1	Percentage of city's wet waste processed (%)	Primary	Non-spatial	100%	CSCAF (4.5: Indicator 4)	PIB - Swachh Survekshan 2020 https://pib.gov.in/PressReleasePage.aspx?PRID=1598072	<40%	40%-45.9%	46%-51.9%	52%-57.9%	58%-63.9%	64%-69.9%	>=70%	6
SWM	5.2	Percentage of the city's dry waste that is separated and classified for recycling/material recovery (%)	Primary	Non-spatial	100%	SS 2020 (2.3)	PIB - Swachh Survekshan 2020 https://pib.gov.in/PressReleasePage.aspx?PRID=1598072	<40%	40%-43.9%	44%-47.9%	48%-51.9%	52%-55.9%	56%-59.9%	>=60%	6
SWM	5.3	Percentage of the city's solid waste that is used for energy recovery (incineration) or co-processing (%)	Primary	Non-spatial	0%	Expert Recommended	https://datatopics.worldbank.org/what-a-waste/trends_in_solid_waste_management.html	>10%	10%-8.9%	9%-7.9%	8%-6.9%	7%-5.9%	6%-4.9%	<=5%	6
SWM	5.4	Percentage of the city's municipal solid waste that is disposed off in open dumps / controlled dumps, water bodies / is burnt (%)	Primary	Non-spatial	0%	Expert Recommended	Annual report 2017-18 on solid waste management; Available at https://cpcb.nic.in/uploads/MSW/MSW_AnnualReport_2017-18.pdf Global waste disposal in open dumpsites https://datatopics.worldbank.org/what-a-waste/trends_in_solid_waste_management.html	>50%	50%-43.9%	44%-37.9%	38%-31.9%	32%-25.9%	26%-19.9%	<=20%	6
SWM	5.5	Percentage of waste remediated in the city (%)	Primary	Non-spatial	0%	SS 2020 (2.7)	NA	<40%	40%-50.9%	51%-61.9%	62%-72.9%	73%-83.9%	84%-94.9%	>=95%	0
SWM	5.6	Percentage of wards practicing source segregation of waste	Secondary	Non-spatial	100%	SS 2020 (1.2)	(SS 2020 results, Pg. 15) https://www.swachhsurvekshan2020.org/ImpDocs/SS2020fullreport.pdf	<20%	20%-25.9%	26%-31.9%	32%-37.9%	38%-43.9%	44%-49.9%	>=50%	6

5. SOLID WASTE MANAGEMENT															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
		which is maintained till processing/ disposal site (%)													
SWM	5.7	ICT based Monitoring Mechanism in place for: i) Ward wise Collection and Transportation (C&T) ii) Monitoring of Garbage Vulnerable Points (GVPs) iii) Attendance of Sanitation Staff	Secondary	Non-spatial	3	SS 2020 (1.3)	NA	If 0 ICT Based Monitoring mechanisms	NA	NA	If 1 or 2 ICT Based Monitoring mechanisms	NA	NA	If all 3 ICT Based Monitoring mechanisms	6
SWM	5.8	Percentage of informal waste pickers integrated into sustainable SWM systems (%)	Secondary	Non-spatial	100%	SS 2020 (1.4)	NA	<60%	60%-63.9%	64%-67.9%	68%-71.9%	72%-75.9%	76%-79.9%	>=80%	6
SWM	5.9	Percentage of C&D waste collected of the total C&D waste generated (%)	Secondary	Non-spatial	100%	SS 2020 (2.6)	NA	<60%	60%-66.9%	67%-73.9%	74%-80.9%	81%-87.9%	88%-94.9%	>=95%	6
SWM	5.10	Percentage of hazardous waste processed (%)	Secondary	Non-spatial	100%	SS 2020 (2.5)	CPCB Annual Report 2018-19; https://cpcb.nic.in/openpdf.php?id=UmVwb3J0RmlsZXNmMTExOV8xNTk3MDM3NTM0X21lZGlhcGhvdG8xOTY1Ni5wZGY=	<50%	50%-53.9%	54%-57.9%	58%-61.9%	62%-65.9%	66%-69.9%	>=70%	6
SWM	5.11	Total solid waste generation per capita per day (kg/capita/day)	Tertiary	Non-spatial	0.33	SS 2020 (2.1)	Swachh Bharat Mission, Part II Manual (2016) Pg. 83; World Bank https://datatopics.worldbank.org/what-a-waste/trends_in_solid_waste_management.html	>1.1	1.1-0.89	0.9-0.69	0.7-0.49	0.5-0.29	0.3-0.01	<=0.11	4

5. SOLID WASTE MANAGEMENT															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							ml http://mohua.gov.in/upload/uploadfiles/files/Part2.pdf								
SWM	5.12	Percentage Coverage of wards under Door-To-Door Collection System (%)	Tertiary	Non-spatial	100%	MPI (1.4.1)	PIB - Swachh Survekshan 2020 https://pib.gov.in/PressReleasePage.aspx?PRID=1598071	<60%	60%- 67.1%	67.2%- 74.3%	74.4%- 81.5%	81.6%- 88.7%	88.8%- 95.9%	>=96%	6

6. TRANSPORTATION															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
TR	6.1	Proportion of population with access to public transport within 500m (%)	Primary	Spatial	90%	GPSC	SLB in Urban Transport, pg. no: 12 http://mohua.gov.in/upload/uploadfiles/files/VoulmeI_Methodologyreport_final03.pdf	<60%	60%- 63.9%	64%- 67.9%	68%- 71.9%	72%- 75.9%	76%- 79.9%	>=80%	6
TR	6.2	Kilometres of bicycle path per 100,000 population (km)	Primary	Non-spatial	0	GPSC	Green cities programme methodology, pg. no: 80 https://www.ebrd.com/documents/technical-cooperation/green-	<15 km	15-16.9 km	17-18.9 km	19-20.9 km	21-22.9 km	23-24.9 km	>=25 km	0

6. TRANSPORTATION															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							city-action-plan-in-tirana.pdf								
TR	6.3	Percentage of major roads covered with footpath (footpath wider than 1.2 meters) within the city (%)	Primary	Non-spatial	1%	GPSC	Urban transportation SLB 2B, pg. no: 68 https://smartnet.niua.org/sites/default/files/research/sources/SLB%202B.pdf	<50%	50%-54.9%	55%-59.9%	60%-64.9%	65%-69.9%	70%-74.9%	>=75%	0
TR	6.4	Rate of increase in public transportation ridership (%)	Primary	Non-spatial	Data not available	Expert recommended	NA	Negative year on year ridership change	NA	NA	No change in ridership	NA	NA	Positive year on year ridership change	-
TR	6.5	Percentage of shared vehicles that operate on clean fuels like CNG, LPG, biofuels or are hybrid or electric vehicles (%)	Primary	Non-spatial	0%	CSCAF (4.3: Indicator 1)	Climate Smart Cities Assessment Framework 2.0, Pg. 36 https://www.niua.org/sc/assets/pdf/CSCAF_2_Booklet.pdf	<5%	5%-8.9%	9%-12.9%	13%-16.9%	17%-20.9%	21%-24.9%	>=25%	0
TR	6.6	Road density (km/sq.kms)	Primary	Non-spatial	11.68	MPI (1.6.4)	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
TR	6.7	Average travel speed in major roads of the city (kmph)	Secondary	Non-spatial	25	GPSC	SLB in Urban Transport, pg. no: 29 http://mohua.gov.in/upload/uploadfiles/files/VoulmeI_Methodologyreport_final03.pdf	<16 kmph	16-16.7 kmph	16.8-17.5 kmph	17.6-18.3 kmph	18.4-19.1 kmph	19.2-19.9 kmph	>=20 kmph	6
TR	6.8	Percentage share of NMT in commuting (cycling and walking) (%)	Secondary	Non-spatial	Data not available	Expert recommended	UNCRD Mobility and NMT in Sustainable Urban Transport Development, Pg. 23 https://www.uncrd.or.j	<15%	15%-18.5%	18.6%-22.1%	22.2%-25.7%	25.8%-29.3%	29.4%-32.9%	>=33%	-

6. TRANSPORTATION															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							p/content/documents/6988Background%20Paper%20for%20EST%20Plenary%20Session%205-11th%20Regional%20EST%20Forum.pdf								
TR	6.9	Street intersection density (intersections/sq.kms)	Secondary	Non-spatial	4.46	CPI (5.1)	Economic Foundations for Sustainable Urbanization, UN-Habitat, Pg. 37 https://unhabitat.org/sites/default/files/download-manager-files/3PA_Second%20Edition_ForWeb.pdf	Less than 75 intersections	NA	NA	Between 75 and 100 intersections	NA	NA	Greater than 100 intersections	0
TR	6.10	Kilometres of road with public transit per 100,000 population (km)	Secondary	Non-spatial	77.1	GPSC	Green cities programme methodology, pg. no: 80 https://www.ebrd.com/documents/technical-cooperation/green-city-action-plan-in-tirana.pdf	Less than 10 km	NA	NA	Between 10km and 40 km	NA	NA	Greater than 40 km	6
TR	6.11	Fatal and serious injuries in road accidents per lakh population (number)	Secondary	Non-spatial	83.0	GPSC	SLB in Urban Transport, pg.: 32 http://mohua.gov.in/upload/uploadfiles/files/VoulmeI_Methodologyreport_final03.pdf	>6	6-4.7	4.8-3.5	3.6-2.3	2.4-1.1	1.2--0.1	0	0

6. TRANSPORTATION															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
TR	6.12	Accessibility of differently abled groups to Public Buses (%)	Secondary	Non-spatial	0%	Expert recommended	SLB in Urban Transport, pg.: 26 http://mohua.gov.in/upload/uploadfiles/files/VoulmeI_Methodologyreport_final03.pdf	<25%	25%-34.9%	35%-44.9%	45%-54.9%	55%-64.9%	65%-74.9%	>=75%	0
TR	6.13	Workplace accessibility within 30 minutes of transit (%)	Tertiary; Aspirational	Spatial	100%	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
TR	6.14	Percentage of total area of ULB allocated to streets (%)	Tertiary	Non-spatial	69%	CPI (5.3)	Economic Foundations for Sustainable Urbanization, UN-Habitat, Pg. 74 https://unhabitat.org/sites/default/files/download-manager-files/3PA_Second%20Edition_ForWeb.pdf	<15%	15%-17.9%	18%-20.9%	21%-23.9%	24%-26.9%	27%-29.9%	>=30%	6

7. SOCIAL FACILITIES AND SERVICES															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
SCL	7.1	Percentage of population within 800m distance to healthcare facilities (public/private) (%)	Primary	Spatial	22% ⁷	GPSC	URDPFI, Vol 1, Pg. 356 http://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I.pdf	<80%	80%-82.9%	83%-85.9%	86%-88.9%	89%-91.9%	92%-94.9%	>=95%	0

⁷ The city's population is considered from Census 2011 which is 37,458

7. SOCIAL FACILITIES AND SERVICES															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
SCL	7.2	Percentage of females of ages 7 and above who are literate (%)	Primary	Non-spatial	74%	GPSC	NSS 75th round social consumption on education report Year: 2017-18 Page 52 of 1504 http://mospi.nic.in/sites/default/files/publication_reports/Report_58_75th_round_Education_final_1507_0.pdf	<55%	55%- 63.9%	64%- 72.9%	73%- 81.9%	82%- 90.9%	91%- 99.9%	100%	3
SCL	7.3	Percentage of population within 800m distance to primary/secondary schools (public/private) (%)	Primary	Spatial	100%	MDPI (2.4)	URDPFI, Vol I, pg. 357 http://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I.pdf	<80%	80%- 82.9%	83%- 85.9%	86%- 88.9%	89%- 91.9%	92%- 94.9%	>=95%	6
SCL	7.4	Change in decadal population growth rate (1991-2001 and 2001-2011) (%)	Secondary	Non-spatial	-2%	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
SCL	7.5	City Level Dependency Ratio (%)	Secondary	Non-spatial	Data not available	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
SCL	7.6	Under-five mortality rate per 1000 births (number)	Secondary	Non-spatial	0%	GPSC	THE 2030 AGENDA SDG Goal 3.3, Pg. 20 (https://sustainabledevelopment.un.org/content/documents/21252030%20Agenda%20for%20Sustainable%20Development%20web.pdf) (https://www.niti.gov.i	>47.5	47.5-42.9	43-38.4	38.5-33.9	34-29.4	29.5-24.9	<=25	6

7. SOCIAL FACILITIES AND SERVICES															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							n/niti/content/under-5-mortality-rate-u-5mr-1000-live-births World Bank database (https://data.worldbank.org/indicator/SH.DYN.MORT?locations=IN)								
SCL	7.7	Bed density in public and private hospitals (Hospital beds per 10,000 residents) (number)	Secondary	Non-spatial	Data not available	ESCI (Q.2)	EoL, Section 1.2.4, Pg. 45 https://smartnet.niua.org/eol19/pdf/EOL-2019-Completed-Version.pdf	<15	15-16.9	17-18.9	19-20.9	21-22.9	23-24.9	>=25	-
SCL	7.8	Percentage reduction in prevalence of vector borne diseases (malaria, dengue) over the previous year (%)	Secondary	Non-spatial	-5.2	Expert recommended	https://www.who.int/docs/default-source/searo/india/health-topic-pdf/vbd-fact-sheets.pdf?sfvrsn=c1908b04_2#:~:text=Important%20vector%20borne%20disease%20for,Family%20Welfare%2C%20Government%20of%20India https://www.intechopen.com/books/public-health-in-developing-countries-challenges-and-	<25%	25%-29.9%	30%-34.9%	35%-39.9%	40%-44.9%	45%-49.9%	>=50%	0

7. SOCIAL FACILITIES AND SERVICES															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							opportunities/innovations-in-vector-borne-disease-control-in-india https://nvbdcp.gov.in/index1.php?lang=1&level=1&sublinkid=5776&lid=3690 https://main.mohfw.gov.in/sites/default/files/5201617.pdf								
SCL	7.9	Percentage reduction in prevalence of waterborne diseases (Diarrhoea, typhoid) over the previous year (%)	Secondary	Non-spatial	-	Expert recommended	https://www.who.int/c holera/publications/global-roadmap.pdf	<5%	5%-7.9%	8%-10.9%	11%-13.9%	14%-16.9%	17%-19.9%	>=20%	NA
SCL	7.10	Percentage of schools with Access to Digital Education (%)	Secondary; Aspirational	Non-spatial	60%	EOLI (1.1.7)	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
SCL	7.11	Percentage of mobile network, by 3G and 4G technology subscriptions (%)	Tertiary	Non-spatial	Data not available	GPSC	NA	<80%	80%-82.9%	83%-85.9%	86%-88.9%	89%-91.9%	92%-94.9%	>=95%	NA

Note*: -: Not Collected / Not Available

8. ENVIRONMENT AND ECOLOGY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
ENV	8.1	Clean Air Action Plan (Planning and Implementation)	Primary	Non-Spatial	No Air Pollutant Monitori	CSCAF (4.3: Indicator 5)	Climate Smart City Assessment Framework, Pg. 41-42	No Air Pollutant Monitorin	NA	NA	Clean Air Action Plan and	NA	NA	Assessing impacts of Clean Air	0

8. ENVIRONMENT AND ECOLOGY																
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score	
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)		
					ng Clean Air Action Plan in the city		https://csc.urban-industrial.in/hrdpmp/igep-uid/content/e5170/e6258/e10222/e10224/CSCAF_2_Booklet.pdf	g Clean Air Action Plan in the city			Pollutants Source Identificati on			Action Pla n implemen tation		
ENV	8.2	Existence of a GHG emissions measurement system with a monitoring system (Y/N)	Primary; Aspirational	Non- Spatial	No	GPSC	NA	No	NA	NA	NA	NA	NA	Yes	0	
ENV	8.3	Total annual GHG emissions (MtCO ₂ e)	Primary; Aspirational	Non- Spatial	Data not available	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA	
ENV	8.4	Proportion of Tree Cover to the total ULB area (%)	Primary	Spatial	3.3%	EOLI (3.1.2)	National Institute of Environmental Studies (NIES) http://cdn.narendramodi.in/ebooks/other-ebooks1/tree_cover_in_urban_area/files/assets/basic-html/index.html#22	<5%	5%-5.9%	6%-6.9%	7%-7.9%	8%-8.9%	9%-9.9%	>=10%	0	
ENV	8.5	Extent to which city is acting for protection, conservation, and management of urban biodiversity	Primary	Non- Spatial	No action initiated	CSCAF (4.2: Indicator 3)	Climate Smart City Assessment Framework, pg. 30-31 https://csc.urban-industrial.in/hrdpmp/igep-uid/content/e5170/e6258/e10222/e10224/CSCAF_2_Booklet.pdf	No action initiated	NA	NA	NA	NA	NA	NA	Implemen tation of actions	0
ENV	8.6	Number of structural and financial incentives for green	Primary	Non- Spatial	No incentive s	EOLI (3.2.2)	Government Incentives to IGBC-rated Green Building	No incentives	NA	NA	One or two incentives	NA	NA	All three incentives	0	

8. ENVIRONMENT AND ECOLOGY																
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score	
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)		
		buildings implemented (number)					Projects https://igbc.in/igbc/directHtml.htm?redVal=showGovtIncentivesn osign#:~:text=Some%20of%20the%20Central%20and,to%20IGBCs'%20Green%20Rating%20Systems.&text=The%20Ministry%20of%20Environment%2C%20Forest,PreCertified%2F%20Provisionally%20Certified%20by%20IGBC									
ENV	8.7	Annual mean Air Quality Index (AQI) (number)	Secondary	Non-Spatial	94	EOLI (3.1.5)	NA	Greater than 300	NA	NA	Between 101 and 300	NA	NA	Less than 100	6	
ENV	8.8	Annual CO2 equivalent (GHG) emissions per capita (MtCO2e/capita)	Secondary; Aspirational	Non-Spatial	Data not available	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA	
ENV	8.9	Annual CO2 equivalent emissions from the transportation sector (MtCO2e)	Secondary; Aspirational	Non-Spatial	Data not available	Expert Recommended	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA	
ENV	8.10	Biochemical Oxygen Demand 3 day, 270C (mg/l)	Secondary	Non-Spatial	Data not available	Expert Recommended	https://pib.gov.in/PressReleasePage.aspx?PRID=1602631	Greater than 6 mg/l	NA	NA	Between 3 and 6 mg/l	NA	NA	Less than 3 mg/l	NA	
ENV	8.11	Area under ULB covered by trees per inhabitant (sqm per person)	Secondary	Non-Spatial	9.50	Expert Recommended	National Institute of Environmental Studies (NIES) https://cdn.narendramodi.in/ebooks/other-ebooks1/tree_cover_in	Less than 10 sqm	NA	NA	Between 10 sqm and 15 sqm	NA	NA	Greater than 15 sqm	0	

8. ENVIRONMENT AND ECOLOGY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							_urban_area/files/assets/basic-html/page22.html								
ENV	8.12	Is there a land use plan that includes zoning with environmental protection and preservation zones? (Y/N)	Secondary	Non-spatial	No	GPSC	NA	No	NA	NA	NA	NA	NA	Yes	0
ENV	8.13	Annual mean levels of PM10 (µg/m3)	Tertiary	Non-spatial	93.9	NIF (11.6.2)	Revised National Ambient Air Quality Standards, Pg. 1-2 https://cpcb.nic.in/displypdf.php?id=aG9tZS9haXltcG9sbHV0aW9uL1JlY3ZlZC1OYXRpb25hbC5wZGY= WHO: https://www.who.int/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health	Greater than 60 µg/m3	NA	NA	Between 60 µg/m3 and 20 µg/m3	NA	NA	Less than 20 µg/m3	0
ENV	8.14	Annual mean levels of PM2.5 (µg/m3)	Tertiary	Non-spatial	48.3	NIF (11.6.2)	Revised National Ambient Air Quality Standards, Pg. 1-2 https://cpcb.nic.in/displypdf.php?id=aG9tZS9haXltcG9sbHV0aW9uL1JlY3ZlZC1OYXRpb25hbC5wZGY= WHO: https://www.who.int/news-room/fact-	Greater than 40 µg/m3	NA	NA	Between 40 µg/m3 and 10 µg/m3	NA	NA	Less than 10 µg/m3	0

8. ENVIRONMENT AND ECOLOGY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							sheets/detail/ambient-(outdoor)-air-quality-and-health								
ENV	8.15	Annual concentration of NO2 (µg/m3)	Tertiary	Non-spatial	14.3	GPSC	Revised National Ambient Air Quality Standards, pg. 1 https://cpcb.nic.in/displaypdf.php?id=aG9tZS9haXItcG9sbHV0aW9uL1JlY3ZlZC1OYXRpb25hcC5wZGY= WHO: https://www.who.int/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health	Greater than 80 µg /m3	NA	NA	Between 80 µg/m3 and 40 µg/m3	NA	NA	Less than 40 µg/m3	6
ENV	8.16	Average daily concentration of SO2 (µg/m3)	Tertiary	Non-spatial	2	GPSC	Revised National Ambient Air Quality Standards, pg. 1 https://cpcb.nic.in/displaypdf.php?id=aG9tZS9haXItcG9sbHV0aW9uL1JlY3ZlZC1OYXRpb25hcC5wZGY= WHO: https://www.who.int/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health	Greater than 80 µg/m3	NA	NA	Between 80 µg/m3 and 20 µg/m3	NA	NA	Less than 20 µg/m3	6

8. ENVIRONMENT AND ECOLOGY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
ENV	8.17	Total annual methane emissions (MtCO ₂ e)	Tertiary; Aspirational	Non-spatial	Data not available	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
ENV	8.18	Existence, monitoring, and enforcement of regulations on noise pollution (Y/N)	Tertiary	Non-spatial	No	ESCI (G.1)	NA	No	NA	NA	NA	NA	NA	Yes	0

Note*: -: Not Collected / Not Available

9. CLEAN ENERGY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
CE	9.1	Percentage of the city's households using LPG/PNG for cooking (%)	Primary	Non-spatial	35%	EOLI (3.1.3)	Drinking water, Sanitation, Hygiene & Housing Conditions in India, Pg. 195 http://mospi.nic.in/sites/default/files/NSS7612dws/Report_584_final.pdf	<67%	67%-73.5%	73.6%-80.1%	80.2%-86.7%	86.8%-93.3%	93.4%-99.9%	100%	0
CE	9.2	Percentage of total electrical energy in the city derived from renewable sources (%)	Primary	Non-spatial	0%	CSCAF (4.1: Indicator 2)	Renewable energy consumption - The World Bank (% of total final energy consumption) https://data.worldbank.org/indicator/EG.FEC.RNEW.ZS	<5%	5%-6.9%	7%-8.9%	9%-10.9%	11%-12.9%	13%-14.9%	>=15%	0

9. CLEAN ENERGY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
CE	9.3	Proportion of population in the city who have access to renewable energy (%)	Primary; Aspirational	Non-spatial	0	GPSC	Population with primary reliance on clean fuels and technologies Data by country - World Health Organisation https://apps.who.int/gho/data/view.main.SDGFUELS712v	<10%	10%-22.9%	23%-35.9%	36%-48.9%	49%-61.9%	62%-74.9%	>=75%	0
CE	9.4	Percentage of energy-efficient street lighting in the city (%)	Primary	Non-spatial	100%	CSCAF (4.1: Indicator 1)	Street Light National Programme (SLNP), Gol https://slnp.eeslindia.org/ https://vikaspedia.in/energy/policy-support/energy-efficiency/street-light-national-programme#:~:text=Street%20Light%20National%20Programme%20is,energy%20efficiency%20in%20the%20country.&text=The%20National%20Programme%20has%20been,with%20energy%20efficient%20LED%20lights	<25%	25%-39.9%	40%-54.9%	55%-69.9%	70%-84.9%	85%-99.9%	100%	6

9. CLEAN ENERGY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
CE	9.5	Energy use per capita (kWh)	Primary	Non-spatial	40	Expert Recommended	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
CE	9.6	Percentage of the city's households with an authorized connection to electrical energy (%)	Secondary	Non-spatial	72%	EOLI (1.3.1)	Access to Electricity - Urban, The World Bank https://data.worldbank.org/indicator/EG.ELC.ACCS.UR.ZS	<99.25%	99.25%-99.3%	99.4%-99.45%	99.55%-99.6%	99.7%-99.75%	99.85%-99.9%	100%	0
CE	9.7	Do existing building codes consider eco-friendly techniques and/or the use of local/renewable material? (Y/N)	Secondary	Non-spatial	No	City RAP	NA	No	NA	NA	NA	NA	NA	Yes	0
CE	9.8	System Average Interruption Frequency Index (SAIFI) (number)s	Tertiary	Non-spatial	2	Expert Recommended	NA	>73.5	73.5-58.9	59-44.4	44.5-29.9	30-15.4	15.5-0.9	<=1	5

Note*: -: Not Collected / Not Available

10. DISASTER RISK MANAGEMENT															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
DRM	10.1	Presence of City Disaster Management Plan prepared / updated in last five years (Y/N)	Primary	Non-spatial	Plan prepared after year 2016	GPSC	NA	No Plan	NA	NA	Plan prepared before year 2016	NA	NA	Plan prepared after year 2016	6
DRM	10.2	Existence of hazard vulnerability maps/risk maps (at city level) prepared / updated in the last	Primary	Non-spatial	Maps prepared /updated	GPSC	NA	Maps not prepared	NA	NA	Maps prepared / updated	NA	NA	Maps prepared / updated	3

10. DISASTER RISK MANAGEMENT															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
		five years for the main hazards threatening the city (Y/N)			prior to year 2016						prior to year 2016			in or after year 2016	
DRM	10.3	Percentage of households at risk due to placement in areas of non-mitigable risk within the ULB (%)	Primary	Non-spatial	3%	ESCI (H.2)	NA	>20%	20%-17.9%	18%-15.9%	16%-13.9%	14%-11.9%	12%-9.9%	<=10%	6
DRM	10.4	Percentage of buildings within 4km distance to fire service facility (%)	Primary	Spatial	100%	Expert recommended	URDPFI, Vol 1, Pg. 366 http://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I.pdf	<70%	70%-75.9%	76%-81.9%	82%-87.9%	88%-93.9%	94%-99.9%	100%	6
DRM	10.5	Presence of hazard early warning systems linked with command control system	Secondary	Non-Spatial	Presence of hazard early warning system	Expert recommended	NA	Absence of hazard early warning system	NA	NA	Presence of hazard early warning system but no linkage with ULB Command Control system	NA	NA	Presence of hazard early warning system linked to ULB command control system	3
DRM	10.6	Existence of urban flood / water stagnation risk assessment and management plan	Secondary	Non-spatial	3	CSCAF (4.4: Indicator 4)	NA	City has not conducted urban flood / water stagnation risk assessment	NA	NA	City has conducted rapid / detailed flood risk assessment older than five years.	NA	NA	City has conducted rapid / detailed flood risk assessment in the last five years	6

Note*: -- Not Collected / Not Available

11. GOVERNANCE AND DATA MANAGEMENT

Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
GOV	11.1	Number of planners per capita (number)	Primary	Non-spatial	0	GPSC	URDPFI, Vol I, pg. 105 http://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I.pdf URDPFI, Vol I, pg. 315 http://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I.pdf	<0.5	0.5-0.59	0.6-0.69	0.7-0.79	0.8-0.89	0.9-0.99	>=1	0
GOV	11.2	Years since enforced master plan/development plan was last reviewed and updated (number of years)	Primary	Non-spatial	13	GPSC	URDPFI, Vol I, pg. 06 http://mohua.gov.in/upload/uploadfiles/files/URDPFI%20Guidelines%20Vol%20I.pdf	>10 years	10-8.9 years	9-7.9 years	8-6.9 years	7-5.9 years	6-4.9 years	<=5 years	0
GOV	11.3	Number of services being managed through command-and-control system in the ULB (number)	Primary	Non-spatial	0	MPI (3.1.2)	NA	<5	5-5.9	6-6.9	7-7.9	8-8.9	9-9.9	>=10	0
GOV	11.4	Number of functions being implemented by ULB out of 18 functions stipulated in the Twelfth schedule of Indian constitution (number)	Primary	Non-spatial	Less than 15	Expert recommended	Twelfth Schedule (Article 243W) - 74 CAA; Pg. 10& 11 https://www.mhrd.gov.in/sites/upload_files/mhrd/files/upload_document/74amend.pdf	Less than 15	NA	NA	Between 15 and 17	NA	NA	All 18	0
GOV	11.5	Existence of Geographic information System (GIS) based Master Plan for the city	Primary	Non-spatial	Presence of GIS base Master Plan	MPI (4.1.2)	AMRUT Reform Agenda - Formulation of GIS Based Master Plan for AMRUT Cities -	Absence of GIS base Master Plan	NA	NA	Presence of GIS base Master Plan	NA	NA	Presence of GIS base Master Plan	3

11. GOVERNANCE AND DATA MANAGEMENT

Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
					prepared / updated before 2015		http://amrut.gov.in/upload/uploadfiles/files/AMRUT-SubScheme_Guideline(4).pdf				prepared / updated before 2015			prepared / updated after 2015	
GOV	11.6	Environmental status report with action plans published by the ULB for the last three years	Secondary	Non-spatial	No	MPI (5.1.4)	NA	No	NA	NA	NA	NA	NA	Yes	0
GOV	11.7	Percentage of total staff trained during the year in any of the ULB functionary domains (%)	Secondary	Non-spatial	100%	MPI (5.4.3)	NA	<50%	50%- 54.9%	55%- 59.9%	60%- 64.9%	65%- 69.9%	70%- 74.9%	>=75%	6
GOV	11.8	E-governance initiatives by the ULB: a. ULB website (Y/N) b. Online Public Service Delivery (Services provided online as a proportion of total Services provided) c. Online Public Service Delivery on Mobile (Services provided via mobile as a proportion of total Services provided) d. Online Grievance Redressal (number of grievances received online as a proportion of total grievances received) e. Online Grievance Redressal on Mobile (Services provided via mobile as a proportion of total Services provided)	Secondary	Non-spatial	3	MPI (3.1.1)	NA	Less than 2	NA	NA	Between 2 and 4	NA	NA	All 5	6

11. GOVERNANCE AND DATA MANAGEMENT

Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
GOV	11.9	Local development control regulations and master plan / development plan are accessible completely through the web	Secondary	Non-spatial	Both not available online	Expert recommended	NA	Both not available	NA	NA	One available online	NA	NA	Both available online	0
GOV	11.10	Existence of following stipulated committees in the ULB: 1) Municipal Committee/Council 2) Ward Committee 3) Metropolitan Planning Committee / District Planning Committee 4) Project Coordination /Monitoring Committee 5) Town Vending Committee (Street vendors) 6) Heritage Conservation Committee	Secondary	Non-spatial	6	Expert recommended	1) Yes 2) Yes 3) Yes 4) Yes,358 street vendors 5) At District level 6) Data to be collected	Less than or equal to 3	NA	NA	Between 4 and 5	NA	NA	6	6
GOV	11.11	ULB's citizen charter and appeal mechanisms	Secondary	Non-spatial	Doesn't exist	MPI (5.4.1)	NA	Doesn't exist	NA	NA	Exist only offline	NA	NA	Exists offline and online	0
GOV	11.12	Presence of City data officer (Y/N)	Secondary	Non-spatial	Yes	MPI (3.1.6)	NA	No	NA	NA	NA	NA	NA	Yes	6
GOV	11.13	Proportion of Women councillors in Municipal Council (%)	Tertiary	Non-spatial	50%	MPI (5.2.2)	74th Constitutional Amendment Act of India https://www.mhrd.gov.in/sites/upload_files/m	<33%	33%-36.3%	36.4%-39.7%	39.8%-43.1%	43.2%-46.5%	46.6%-49.9%	>=50%	6

11. GOVERNANCE AND DATA MANAGEMENT

Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							hrd/files/upload_document/74amend.pdf								
GOV	11.14	Digital Governance: Presence on Open Data Portal	Tertiary	Non-spatial	Yes	MPI (3.1.8)	NA	No	NA	NA	NA	NA	NA	Yes	6

Note*: -: Not Collected / Not Available

12. FINANCE AND ECONOMY

Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
FIN	12.1	Credit rating of the ULB	Primary	Non-spatial	Data not available	MPI (2.4.3)	GPSC, Pg. 132 http://documents1.worldbank.org/curated/en/339851517836894370/pdf/123149-Urban-Sustainability-Framework.pdf	Lesser or equal to BBB	NA	NA	Between BBB and A	NA	NA	Greater or equal to AA	
FIN	12.2	Total property tax collected as a percentage of total property tax billed in the same financial year (%)	Primary	Non-spatial	96%	MPI (2.1.5)	NA	<60%	60%-63.9%	64%-67.9%	68%-71.9%	72%-75.9%	76%-79.9%	>=80%	6
FIN	12.3	Financial dependency: Percentage of grants received from central and state governments to total revenue (%)	Primary	Non-spatial	100%	Expert Recommended	NA	>60%	60%-53.9%	54%-47.9%	48%-41.9%	42%-35.9%	36%-29.9%	<=30%	0
FIN	12.4	Growth rate of GDP per capita (%)	Primary; Aspirational	Non-spatial	Data not available	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA

12. FINANCE AND ECONOMY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
FIN	12.5	Change in Own Source Revenue (number of years with OSR > 20%)	Secondary	Non-spatial	1	Expert Recommended	GPSC, Pg. 133 http://documents1.worldbank.org/curated/en/339851517836894370/pdf/123149-Urban-Sustainability-Framework.pdf	Greater than 20% in one year	NA	NA	Greater than 20% for more than 1 Year	NA	NA	Greater than 20% for more 3 years	0
FIN	12.6	Operating margin: Difference in revenue and expenditure in the financial year (INR in Lakhs)	Secondary	Non-spatial	- 259,213,871.00 (Verified by Municipality)	GPSC	GPSC, Pg. 133 http://documents1.worldbank.org/curated/en/339851517836894370/pdf/123149-Urban-Sustainability-Framework.pdf	Deficit	NA	NA	NA	NA	NA	Surplus	0
FIN	12.7	Total cost of annual debt service as a percentage of expenditure (%)	Secondary	Non-spatial	0%	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
FIN	12.8	Percentage of debt/loans in overall budget allocation (%)	Secondary	Non-spatial	0%	Expert Recommended	NA	>70%	70%-61.9%	62%-53.9%	54%-45.9%	46%-37.9%	38%-29.9%	<=30%	6
FIN	12.9	Properties covered under the tax net expressed as percentage of total properties within the municipality (%)	Secondary	Non-spatial	100%	MPI (2.1.3)	NA	<85%	85%-87.7%	87.8%-90.5%	90.6%-93.3%	93.4%-96.1%	96.2%-98.9%	>=99%	6
FIN	12.10	Efficiency of Capital expenditure spending: Actual capital expenditure spent expressed as a percentage of the budgeted capital expenditure in the financial year (%)	Secondary	Non-spatial	187% (Verified by Municipality)	Expert Recommended	NA	<60%	60%-63.9%	64%-67.9%	68%-71.9%	72%-75.9%	76%-79.9%	>=80%	6

12. FINANCE AND ECONOMY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
FIN	12.11	Cost Recovery in Water Supply: Total operating revenues expressed as a percentage of the total operating expenses incurred towards water supply services in the given financial year (%)	Secondary	Non- spatial	13%	Expert Recommend ed	NA	<30%	30%- 37.9%	38%- 45.9%	46%- 53.9%	54%- 61.9%	62%- 69.9%	>=70%	0
FIN	12.12	Cost Recovery in Sanitation: Total operating revenues expressed as a percentage of the total operating expenses incurred towards sanitation services in the financial year (%)	Secondary	Non- spatial	0%	Expert Recommend ed	NA	<30%	30%- 37.9%	38%- 45.9%	46%- 53.9%	54%- 61.9%	62%- 69.9%	>=70%	0
FIN	12.13	Cost Recovery in Solid Waste Management: Total operating revenues expressed as a percentage of the total operating expenses incurred towards solid waste management services in the financial year (%)	Secondary	Non- spatial	11%	Expert Recommend ed	NA	<30%	30%- 37.9%	38%- 45.9%	46%- 53.9%	54%- 61.9%	62%- 69.9%	>=70%	0
FIN	12.14	Unemployment rate of persons of age 15 years and above (%)	Secondary	Non- spatial	5%	NIF (8.5.1)	Periodic Labour Force Survey (2017-18) Page 211 of 643 and Page 500 of 643 http://mospi.nic.in/site/s/default/files/publication_reports/Annual%20Report%2C%20PLFS%202017-	>14%	14%- 11.9%	12%-9.9%	10%-7.9%	8%-5.9%	6%-3.9%	<=4%	5

12. FINANCE AND ECONOMY															
Code	Number	Indicator	Primary/ Secondary/ Tertiary; Aspirational	Type of Indicator	City Indicator Value	Source Reference Framework	Source of Threshold / National Average / Benchmark	7 Point Scoring Range							City Score
								0 (Very low performance)	1 (Low performance)	2 (Lower medium performance)	3 (Medium performance)	4 (Upper medium performance)	5 (High performance)	6 (Excellent performance)	
							18_31052019.pdf?download=1								
FIN	12.15	Inequality Index based on Consumption Expenditure- Gini Coefficient (score)	Secondary	Non-spatial	Data not available	EOLI (2.3.1)	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
FIN	12.16	Percentage of workforce employed in the service sector (%)	Secondary; Aspirational	Non-spatial	85.5	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
FIN	12.17	Total capital expenditure as percentage of total expenditure (%)	Tertiary	Non-spatial	96%	MPI (2.2.3)	NA	<10%	10%- 15.9%	16%- 21.9%	22%- 27.9%	28%- 33.9%	34%- 39.9%	>=40%	6
FIN	12.18	GDP density as a percentage of the built-up area of the local government (%)	Tertiary; Aspirational	Non-spatial	Data not available	GPSC	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA
FIN	12.19	Informal employment as percentage of total employment (%)	Tertiary; Aspirational	Non-spatial	77%	CPI (3.3)	[Descriptive Indicator]	NA	NA	NA	NA	NA	NA	NA	NA

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