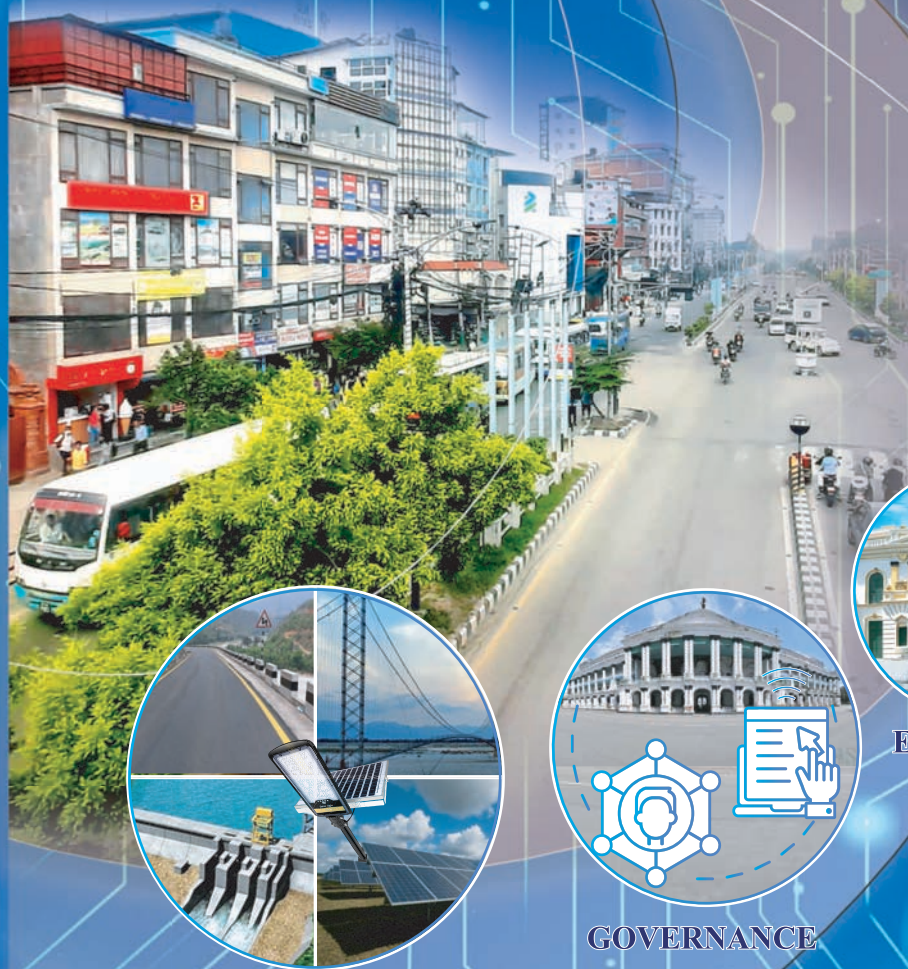




Government of Nepal
Ministry of Urban Development

Nepal Smart City **Indicators** **2025**



INFRASTRUCTURE

GOVERNANCE

ECONOMY

PEOPLE

Nepal Smart City Indicators-2025



Government of Nepal
Ministry of Urban Development

Nepal Smart City Indicators-2025

Approved by:

*Council of Ministers, Office of the Prime Minister and
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Message

Cities are central to economic growth, service delivery, and resilience. Amid rapid urbanization and emerging risks in Nepal, the smart city approach offers a policy framework in which technology acts as an enabler to strengthen planning, governance, and urban management in pursuit of inclusive and sustainable development. In this context, I am pleased to share **Nepal Smart City Indicators–2025**, which reflects the Ministry of Urban Development’s commitment to data-driven and forward-looking urban transformation.

As urban growth accelerates across the country, the need for clear standards, reliable measurements, and consistent monitoring frameworks has become essential. This publication has therefore been developed as a nationally standardized tool for defining the smart city concept and measuring the level of smartness in Nepali cities. Prepared under the leadership of the New Town Project Coordination Office (NTPCO), Department of Urban Development and Building Construction, the smart city indicators integrate relevant global practices with Nepal’s national priorities and local realities.

I extend my sincere appreciation to the present and past Project Directors of NTPCO, the expert teams, and urban practitioners who contributed through extensive studies, consultations, and workshops. I am grateful to the Honorable Minister for Urban Development for his guidance, and to the Council of Ministers for approving this framework on 30 April 2025.

I firmly believe that the **Nepal Smart City Indicators–2025** will enable federal, provincial, and local governments to make evidence-based decisions that drive smart, sustainable, and people-centered. The Ministry of Urban Development remains committed to supporting its effective implementation to help build livable and resilient cities across Nepal.

Gopal Prasad Sigdel

Secretary

Ministry of Urban Development Government of Nepal



Government of Nepal
Ministry of Urban Development
Department of Urban Development and Building Construction
Babarmahal, Kathmandu

Ref. No.:-



Foreword

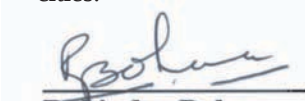


The Department of Urban Development and Building Construction (DUDBC) has introduced the Nepal Smart City Indicators–2025 to support sustainable and well-managed urban development in response to Nepal’s rapid urbanization.

The framework offers a comprehensive and standardized set of indicators across key sectors such as governance, mobility, environment, resilience, service delivery, and digital readiness. These indicators enable municipalities to assess their current performance, identify priority areas, and better align policies and investments with national development objectives.

By encouraging evidence-based decision-making, transparency, and consistent monitoring, the framework strengthens coordination among federal, provincial, and local governments. Developed with input from municipal stakeholders, technical experts, and development partners, the indicators aim to enhance the livability, sustainability, and overall competitiveness of cities across Nepal.

I acknowledge the Secretary, Ministry of Urban Development, current and former Deputy Director Generals of DUDBC, current and former Project Directors of New Town Project Coordination Office, municipal representatives and technical experts for their valuable contributions. I encourage all urban stakeholders to make full use of this framework to move towards more efficient, livable, and resilient cities.


Rabindra Bohara
Director General

Department of Urban Development and Building Construction



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Acknowledgement



Following the government's decision in 2015 to develop Lumbini, Nijgadh, and Palungtar as Smart Cities, it became essential to establish clear and comprehensive indicators to guide this initiative. The New Town Project Coordination Office (NTPCO) is pleased to have undertaken this responsibility, resulting in the Nepal Smart City Indicators–2025. The indicators were developed through a structured process of stakeholder workshops and expert consultations, integrating global best practices with Nepal's contextual realities to guide systematic planning, implementation, monitoring, and evaluation of smart city development.

I extend my sincere appreciation to the Secretary, Ministry of Urban Development, the current and former Director Generals of Department of Urban Development and Building Construction, for their continuous guidance and policy-level support throughout the preparation of this document. Special thanks go to former Project Directors and the past and present NTPCO teams for coordinating consultations, managing technical reviews, and ensuring timely completion, as well as to the consultants whose contributions integrated global best practices while maintaining strong relevance to Nepal. I also acknowledge the invaluable inputs of sectoral stakeholders, municipalities, academic institutions, and urban practitioners, whose practical insights enriched the framework.

I am confident that this document will serve as a practical and authoritative reference, enabling data-driven planning, informed decision-making, and effective monitoring to support the development of inclusive, resilient, and forward-looking smart cities in Nepal.

Suman Salike
Act. Project Director
New Town Project Coordination Office

Nepal Smart City Indicators-2025

Preface

With the emergence of the smart city concept globally, Nepal has also embraced this concept and announced the development of different cities as smart cities. The Ministry of Urban Development, responsible for the preparation and enactment of policies, laws, standards, and regulations related to settlement planning, urban development, and housing (as per the Government of Nepal (Work Division) Rules, 2017) has identified the need of indicators for smart city in the Nepalese context. Accordingly the Government of Nepal has developed and officially approved the "Nepal Smart City Indicator, 2025" on 30 April 2025 (17th Baishakh, 2082 BS) by Council of Ministers as a standardized tool for defining the concept and measuring the level of smartness in Nepalese cities.

The concept of a smart city in Nepal emerged following the promulgation of the Constitution in 2015. In the Fiscal Year 2072/73 (2015/16), the government, through its budget statement, announced its intention to develop Lumbini, Nijgadh, and Palungtar as smart cities. A subsequent study then identified the necessity for a standardized document to evaluate and quantify the smartness of cities in Nepal. The primary objectives of this standardization are:

- To establish a common basis for evaluating smart cities in Nepal;
- To introduce nationally adopted indicators for use by federal, provincial, and local governments;
- To support evidence-based decisions for the declaration and development of smart cities.

While international smart city guidelines may serve as a reference documents, they are unlikely to fully address the unique socio-economic, developmental context and capacity of Nepal. Accordingly, it became essential to formulate and develop 'Smart City Indicators' that are specifically adapted to the nation's distinct needs and conditions

The "Nepal Smart City Indicator, 2025" has been prepared through extensive efforts, including comprehensive studies, literature reviews of national and international practices and contexts; consultations with experts and workshops with different urban practitioners from relevant urban development and planning organizations. The initial draft prepared in 2017 was subsequently revised in 2023, to incorporate updated data from the National Census, provisions from the Planning Norms and Standards (2015), and alignment with the Sustainable Development Goals (2030). This revision aimed to ensure the indicators are simple and relevant to the present context. The final version includes 83 indicators structured under four key pillars identified by the 14th Periodic Plan:- ie i. Smart People, ii. Smart Governance, iii. Smart Infrastructure, iv. Smart Economy. Together, these pillars include 25 components and 83 indicators, evaluated out of a total of 100 marks, allowing for both overall and individual assessment of each pillar and component, thereby representing the overall performance and development of a smart city. The indicators include elements of both sustainability and the use of Information and Communication Technology (ICT) in urban planning, development, and management. Most thresholds and targets are defined in line with the current periodic plan.

The Smart People pillar, carrying a 20 percent weightage with 13 indicators, emphasizes human and social capital development. It covers areas such as health and wellbeing, education and literacy, digital inclusion, gender empowerment, and social harmony, reflecting a focus on improving citizens' quality of life and social equity.

Smart Governance holds a 25 percent weightage and includes 21 indicators aimed at enhancing administrative efficiency, transparency, and citizen engagement. Its components include e-services, inclusivity, transparency and accountability, urban finance, spatial planning and development, regulation, urban security, and disaster resiliency. This pillar highlights the importance of technology-enabled, participatory, and resilient governance systems.

Smart Infrastructure is the largest pillar, with a 35 percent weightage and 35 indicators, emphasizing sustainable, resilient, and efficient urban systems. It covers transportation and mobility, the WASH sector, integrated solid waste management, energy, ICT infrastructure, the natural environment, urban land use and built environment, as well as health, education, and economic infrastructure. This pillar underlines the role of physical and digital infrastructure as the backbone of urban development.

The Smart Economy pillar, accounting for 20 percent of the total weightage and consisting of 14 indicators, focuses on promoting innovation, entrepreneurship, and sustainable economic growth. Its components-economic welfare, innovation and entrepreneurship, and productivity and job creation-illustrate a commitment to fostering a dynamic and inclusive economic environment.

Based on the indicators, cities are classified into five levels of smartness according to their total scores. Cities scoring 85 or above fall under Smartness Level I, representing the highest degree of smartness. Those with scores between 70 and less than 85 are categorized as Level II, while cities scoring between 55 and less than 70 fall under Level III. Level IV includes cities with scores between 40 and less than 55, and Level V represents cities with a score below 40, indicating the lowest level of smartness.

By establishing minimum and preferred standards for progress and development of smart cities in Nepal, these indicators not only facilitate the measurement of smartness in urban areas in the country but also help identify specific pillars and components that require improvement. They serve a vital role in ensuring uniformity in assessments, providing a robust foundation for reviews, motivating enhancements in smartness levels through comparison between local bodies, and guiding investment and policy decisions at the local, provincial, and federal levels. However, given the evolving nature of urban challenges and opportunities and required development level, the Smart City Indicators are expected to undergo periodic revisions to ensure their continued relevance and effectiveness in the future.

स्मार्ट शहर सम्बन्धी सूचकहरू २०८१

प्रस्तावना

“विश्वव्यापी रूपमा देखा परेको स्मार्ट शहर विकासको अवधारणा सँगसँगै नेपालले पनि उक्त अवधारणालाई अझीकार गर्दै विभिन्न शहरहरूलाई स्मार्ट शहरका रूपमा विकास गर्ने घोषणा गरेको अवस्था छ। नेपाल सरकार (कार्यविभाजन) नियमावली, २०७४ अनुसार शहरी विकास मन्त्रालयले बस्ती विकास, शहरी विकास र आवास विकास सम्बन्धी नीति, कानून मापदण्ड र नियमनको कार्य गर्न स्मार्ट सिटी सूचकाङ्कहरूको आवश्यकता पहिचान गरी सोही अनुसार, नेपाल सरकारले नेपालमा स्मार्ट शहरको अवधारणा तयार गरी त्यसको स्तर मापन गर्नका लागि “नेपाल स्मार्ट शहर सम्बन्धी सूचकहरू, २०८१” (Nepal Smart City Indicator, 2025) लाई विकास गरी २०८२ साल वैशाख १७ गते (२०२५ अप्रिल ३०) मन्त्रिपरिषद्बाट औपचारिक रूपमा स्वीकृत गरेको छ।”

नेपालको संविधान कार्यान्वयन पश्चात राज्यको पुनःसंरचनासँगै नेपालमा स्मार्ट शहर अवधारणा विकसित भएको हो। नेपाल सरकारले आर्थिक वर्ष २०७२/७३ को बजेट वक्तव्य मार्फत लुम्बिनी, निजगढ, पालुङ्गटारलाई स्मार्ट सिटीका रूपमा विकास गर्ने घोषणा गरेको थियो। त्यसपश्चात् गरिएको अध्ययनले नेपालमा स्मार्ट शहरको परिभाषा र मापनको लागि स्मार्ट शहर सम्बन्धी सूचकहरूको आवश्यकता औल्याएको थियो। “नेपाल स्मार्ट शहर सम्बन्धी सूचकहरू, २०८१” विकास गर्नुको मुख्य उद्देश्यहरू निम्नानुसार छन्।

- स्मार्ट शहर मूल्याङ्कनमा एकरूपताको लागि साझा आधार तयार गर्ने।
- सङ्घीय, प्रदेश र स्थानीय सरकारद्वारा प्रयोग गर्न सकिने गरी राष्ट्रिय रूपमा सूचकहरू तयार गर्ने।
- स्मार्टनेस (Smartness) मूल्याङ्कनको आधारमा स्मार्ट शहरहरू घोषणा एवं विकास गर्न ठोस आधार प्रदान गर्ने।

अन्तर्राष्ट्रियस्तरका Smart City Guidelines सन्दर्भ सामग्रीका रूपमा उपयोगी भए तापनि यसले नेपालको वर्तमान परिवेशलाई उचित सम्बोधन गर्न नसक्ने साथै यसलाई कार्यान्वयन गर्न सामाजिक-आर्थिक र प्राविधिक दिगोपनको हिसाबले चुनौतीपूर्ण हुने देखिएकोले राष्ट्रिय

आवश्यकता र स्थानीय क्षमता सम्बोधन गर्ने गरी ‘स्मार्ट शहर सम्बन्धी सूचकहरू’ तर्जुमा गर्न आवश्यक देखिएको हो। तसर्थ “नेपाल स्मार्ट शहर सम्बन्धी सूचकहरू, २०८१” विभिन्न चरणहरूमा गरिएको गहिरो अध्ययन, राष्ट्रिय तथा अन्तर्राष्ट्रिय स्तरका साहित्य र अभ्यासहरूको समीक्षा, शहरी विकास मन्त्रालय, शहरी विकास तथा भवन निर्माण विभागका पदाधिकारी अन्य शहरी विकास तथा योजनासँग सम्बन्धित सरोकारवाला निकाय र विज्ञ संलग्न विभिन्न कार्यशाला गोष्ठी र छलफल पश्चात तयार गरिएको हो। यसको प्रारम्भिक मस्यौदा सन् २०१७ मा तयार गरिएको भएता पनि सन् २०२३ मा यसलाई राष्ट्रिय जनगणनाको अद्यावधिक तथ्याङ्क, प्लानिङ्ग नर्मस् एण्ड स्ट्यान्डर्ड, २०१५ का प्रावधानहरू तथा दिगो विकास लक्ष्य, २०३० का विषयहरू समावेश गरी वर्तमान सन्दर्भ अनुकूल, सरल र यथार्थपरक बनाउने उद्देश्यले परिमार्जन गरिएको हो। यसमा १४ औँ राष्ट्रिय योजनाले परिभाषित गरेका चार प्रमुख स्तम्भहरू (Pillars) क्रमशः

- क) स्मार्ट जनता (Smart People),
- ख) स्मार्ट शासन (Smart Governance),
- ग) स्मार्ट पूर्वाधार (Smart Infrastructure),
- घ) स्मार्ट अर्थतन्त्र (Smart Economy)

अन्तर्गत ८३ वटा सूचकहरू (Indicators) समावेश गरिएका छन्। यी सूचकहरू २५ वटा अवयवहरू (Components) मा वर्गीकृत गरी सरलताको लागि सम्पूर्ण सूचकहरूलाई कूल १०० पूर्ण अंकमा मूल्याङ्कनको प्रावधान राखिएको छ। सूचकहरूको माध्यमले सबै स्तम्भहरूलाई एकमुष्ट तथा छुट्टाछुट्टै मापन गर्न सकिने बनाइएको छ।

स्वीकृत “नेपाल स्मार्ट शहर सम्बन्धी सूचक २०८१” “अन्तर्गतका सूचकहरूको संख्या र विभाजनका साथै अवयवहरू र स्तम्भहरूको संख्या र अंकभारको परिच्छेद १ र ४ मा प्रस्तुत गरिएको छ भने यी सूचकहरूलाई तल अनुच्छेद मार्फत संक्षेपिकरण गरिएको छ। सूचकहरूमा सूचना तथा सञ्चार प्रविधि (ICT) को प्रयोग र दिगोपनको अवधारणा समावेश गरिएको छ भने प्रायः सीमा र लक्ष्यहरू हालको राष्ट्रिय आवधिक योजनासँगको अवस्था र लक्ष्यहरूलाई विचार गरी तयार गरिएको छ।

नागरिकहरूको जीवनस्तर र सामाजिक असमानता कम गर्ने मानव र सामाजिक पुँजिको विकासलाई प्राथमिकता दिने सन्दर्भमा स्वास्थ्य र कल्याण, शिक्षा र साक्षरता, डिजिटल समावेशीकरण, लैङ्गिक सशक्तिकरण र सामाजिक सद्भाव जस्ता क्षेत्रहरूलाई समावेश गरी स्मार्ट जनता स्तम्भ अन्तर्गत १३ सूचकहरू सहित २० प्रतिशत अंकभार राखिएको छ ।

प्रशासनिक दक्षता, पारदर्शिता, नागरिक संलग्नता बढाउने उद्देश्यले स्मार्ट सुशासन स्तम्भ अन्तर्गत अनलाईन सेवाहरू, समावेशिता, पारदर्शिता र जवाफदेही शहरी वित्त, शहरी योजना र विकास नियमन, शहरी सुरक्षा र विपद् सामना गर्ने क्षमता समावेश गरी सक्षम प्रविधि, सहभागितामुलक शासन र लचिलो प्रशासन प्रणालीको महत्त्वका बारेमा स्पष्ट पारी यस स्तम्भमा २१ सूचक सहित २५ प्रतिशत अंकभार संलग्न गरिएको छ ।

शहरी विकासको मेरुदण्डका रूपमा भौतिक र डिजिटल पूर्वाधारको भूमिकालाई मध्यनजर गरी स्मार्ट पूर्वाधार स्तम्भ अन्तर्गत यातायात र आवागमन, सरसफाई क्षेत्र, एकीकृत ठोस फोहोरमैला व्यवस्थापन, उर्जा, सूचना तथा सञ्चार प्रविधि पूर्वाधार, प्राकृतिक वातावरण, शहरी भूमि प्रयोग र निर्मित वातावरण, स्वास्थ्य पूर्वाधार, शैक्षिक पूर्वाधार, आर्थिक पूर्वाधारलाई समावेश गरी ३५ सूचक सहित ३५ प्रतिशत अंकभार समावेश गरिएको छ ।

दिगो आर्थिक विकास गतिशिल र जीवन्त अर्थव्यवस्था प्रवर्द्धन गर्ने कार्यमा केन्द्रित रही स्मार्ट अर्थतन्त्र अन्तर्गत आर्थिक कल्याण, नवप्रवर्तन र उद्यमशिलता, उत्पादकत्व र रोजगार सिर्जना जस्ता आर्थिक पक्षहरूलाई समावेश गरी १४ सूचक सहित २० प्रतिशत अंकभार दिइएको छ ।

शहरको स्मार्टनेस सूचकहरूको कुल अंकभारको आधारमा ५ तरिकाले मापन गरिएको छ । जस अन्तर्गत ८५ वा सो भन्दा माथि अंक प्राप्त गर्ने शहरहरू उच्चतम तहको स्मार्ट शहरको प्रतिनिधित्व गर्दछ; ७० भन्दा माथि ८५ भन्दा कम अंक प्राप्त गर्ने शहरहरू दोस्रो स्तर, ५५ देखि ७० भन्दा कम अंक प्राप्त गर्ने शहरहरू तेस्रो स्तर, ४० भन्दा माथि ५५ भन्दा कम अंक प्राप्त गर्ने शहरहरूलाई चौथो स्तर र ४० भन्दा कम अंक प्राप्त गर्ने शहरहरूलाई न्यून स्तरको शहरका रूपमा वर्गिकरण गरिएको छ ।

यी सूचकहरूले नेपालका स्मार्ट शहरका लागि प्रगति र विकासका न्यूनतम तथा लक्षित स्तरहरू परिभाषित गरेर शहरहरूको स्मार्टनेस मापन गर्न सहयोग गर्नुका साथै सुधारको लागि आवश्यक क्षेत्रहरू पहिचान गर्न मद्दत पुर्याउँछन् । त्यसैगरी, आगामी दिनमा कुनै शहरको स्मार्टनेस मूल्यांकन गर्न एकरूपता कायम गर्न, शहरहरूको स्मार्टनेस स्थिति मापनबाट एक अर्काको आवस्था तुलना गरी प्रत्येक शहरलाई आफ्नो स्मार्टनेस लेभल बढाउनको लागि उत्प्रेरणा दिनका साथै सूचकहरूका माध्यमबाट स्मार्ट शहरका कुन स्तम्भ सबल छ र कुन स्तम्भ दुर्बल छ भन्ने कुरा तथ्याडकको आधारमा स्पष्ट देखिने हुँदा निर्णयकर्तालाई कुन क्षेत्रमा कसरी लगानी गर्ने भन्ने निर्णय गर्न सहजता प्रदान एवं मार्गदर्शन गर्छन् । यद्यपि, स्मार्ट शहरका अवसर, आवश्यकता र चुनौतीहरू समयानुसार परिवर्तनशील रहने भएकाले, यसलाई सान्दर्भिक र प्रभावकारी बनाई राख्न स्मार्ट शहर सम्बन्धी सूचकहरूलाई आगामी दिनहरूमा समय सापेक्ष सुधार र परिमार्जन गर्दै लानुपर्ने देखिन्छ ।

Nepal Smart City Indicators-2025: Structure

Title / Description	Details
1. Definitions	"Smart city is a sustainable and innovative city where high quality urban services are provided to all citizens effectively and efficiently through optimum use of technologies, including ICT as a tool to improve quality of life, efficiency of urban operation and services, and competitiveness
2. Composition	4 Pillars, 25 components, 83 indicators
3. Total Points	100
4. Marking Method	Full marks or "0" for Yes/No Measurement Division of Five band score for Indicators with designated Smart Targets
5. Chapters	Section 1 Structure of Smart City Pillar, components and Indicator Section 2 Smart City Indicator and Measurement Section 3 Bands of Smart Targets and Scores Section 4 Level of Smartness

Section 1: Structure of Smart City Pillar, Components and Indicator

S.N.	Smart Pillar	Components		No. of Indicator	Marks	Remarks	
		Nos.	Description				
1	Smart People	5	Health & Wellbeing	4	5	(I-001 to I-013) 13 Indicator 20% weightage	
			Education & Literacy	3	6		
			Digital Inclusion	2	3		
			Gender Empowerment	3	4		
			Social Harmony	1	2		
		Total		13	20		
2	Smart Governance	7	E-Services	4	5	(I-014 to I-034) 21 Indicator 25% weightage	
			Inclusivity	2	2		
			Transparency & Accountability	2	2		
			Urban Finance	3	5		
			Spatial Planning & Development Regulation	3	4		
			Urban Secutity	3	3		
			Disaster Resiliency	4	4		
		Total		21	25		
3	Smart Infrastructure	10	Transportation & Mobility	6	6	(I-035 to I-069) 35 Indicator 35% weightage	
			Wash Sector	4	4		
			Integrated Solid Waste Management	2	2		
			Energy	2	2		
			ICT Infrastructure	2	2		
			Natural Environment	4	4		
			Urban Land Use/Built Environment	4	4		
			Health Infrastructure	2	2		
			Education Infrastructure	2	2		
			Economic Infrastructure	7	7		
		Total		35	35		
4	Smart Economy	3	Economic Welfare	5	9	(I-070 to I-083) 14 Indicator 20% weightage	
			Innovation and Entrepreneurship	4	4		
			Productivity and Job Creation	5	7		
		Total		14	20		
		25	Grand Total		83	100	100%

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
			Description	Method					
I. Smart People									
I-1	Health & Wellbeing	I-001	Average Life Expectancy at birth	Average life expectancy in years of citizen	CBS/Municipal data	Average life expectancy	72	>76 Years	2
		I-002	Communicable Disease	Number of Patients per 100 Population per Year	Ministry of Health/ Municipal Profile	Number of Patient with communicable disease in 1 year/Total Population*100	20	5	1
		I-003	Non Communicable Disease	Number of Patients per 100 Population per Year	Ministry of Health/ Municipal Profile	Number of Patient with Non-communicable disease in 1 year/(Total Population*100)	40	10	1
		I-004	Health Insurance	Percentage of Total Population above 5 Covered under health insurance	Municipality/Health Insurance Record	Population covered under health insurance/ Total Population*100	50%	75%	1
I-2	Education & Literacy	I-005	Literacy Rate	Percentage of Population above 5 years	CBS data/Municipal Profile	Number of Literates above 5 years/ Total number of Population above 5 years*100	76%	99%	2
		I-006	Population with at least Secondary level education (SEE orequivalent)	Percentage of Population above 15 years	CBS data/Municipal Profile	Number of population above 15 years with secondary level education/Total number of Population above 15 years*100	60%	90%	2
		I-007	Working age population with technical and Vocational training	Percentage of working age population (15-65 yrs)	EMIS/Municipal record/Primary Survey	working age population trained on technical and Vocational Sector/working age Population*100	50%	75%	2
I-3	Digital Inclusion	I-008	People having Workable Knowledge of ICT devices	Percentage of Total Population	Municipal Primary Survey	Number of Population having Workable Knowledge of ICT Devices/Total no. Population *100	55%	>85%	1
		I-009	Population using internet facilities	Percentage of total adult population	Municipal Survey MOCIT/ISPs	Number of adult population using internet facilities/Total adult population*100	70%	95%	2
I-4	Gender Empowerment	I-010	Percentage of women employment	Percentage of total employed population	Municipal Primary Survey	Number of employed female population/Total number of employed population*100	35%	50%	2
		I-011	Building having female ownership	Percentage of female population	Municipal Primary Survey	Number of building having female onership/ Total number of building*100	35%	50%	1
		I-012	Violence against Women	Percentage of Women who have experienced any form of violence	Social Survey/ NWC report	Number of women who have experienced any form of violence/Total sampled women Population*100	12%	6.5%	1
		I-013	Social Conflicts	In 5 years period, Population per 1000 population	Police station, District Police Office, Municipality office/ Municipality Survey	Total no. of people involved in Conflicts related to racial and religious matter in 5 year period/Total population of municipality*1000	50 people	5 People	2

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indicator No.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
II. Smart Governance										
II-1	E-Services	I-014	Municipal e-service defined by Citizen Charter	Percentage of total services provided by Municipality	Score band	Municipal survey	Number of Municipal Services available via internet/Total number of municipal services	50%	80%	2
		I-015	Grievance addressed including online	Percentage of total grievances addressed	Score band	Municipal survey	Number of total grievances addressed/Total number of grievances*100	50%	90%	1
		I-016	ICT Based Land information System	Y/N	Y/N	Municipal survey	Subjective	Fully Functional/Update (F)	Fully Functional/Update (F)	1
		I-017	Online tax filling service and warning system for tax defaulters	Percentage of tax filling	Score band	Municipal survey	Number of tax filed online/Total number tax filling	60%	90%	1
II-2	Inclusivity	I-018	GES in municipal staff	>=33% of total Municipal Staffs	Y/N	Municipality Human Resources Data	Minimum requirement-Number of female and marginalized staff in municipality/Total municipal Staff*100>33%	Yes	33%	1
		I-019	Separate counters or home service for disabled /disadvantage group	Separate Counters or home service for disabled/disadvantage group for Municipal services	Y/N	Municipal survey	Subjective	Fully Functional/Update (F)	Fully Functional/Update (F)	1
II-3	Transparency and Accountability	I-020	Availability of public data/Municipal decisions online	Timely and online availability of municipal decisions/public data (to be provided under right to information)	Y/N	Municipa Survey	Subjective	Fully Functional/Update (F)	Fully Functional/Update (F)	1
		I-021	Public Hearing	No. of Public Hearing held at Local Level	Y/N	Municipa Survey	Number of Public Hearing >=2	Minimum 2 times in a year	-	1
II-4	Urban Finance	I-022	Own Sources Revenue (OSR)	Percentage of total municipal income	Score band	Municipal Record	Own Source Revenue/Total municipal revenue*100	20%	50%	2
		I-023	Private Sector Investment through PPP	Percentage of Total Investment	Score band	Municipal Record	Private Sector investment through PPP/Total investment*100	4%	10%	1
		I-024	Use of Integrated Finance Information Management System	Y/N	Y/N	Municipa Survey	Subjective	Fully Functional/Update (F)	Fully Functional/Update (F)	2

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
			Description	Method					
Smart Governance									
II-5	Spatial Planning and Development Regulation	I-025	Building code regulated in construction	Percentage of total building construction after 2020	Municipality/Utility offices	Number of buildings that complied building Code & Bye-laws/Total buildings Constructed after 2020*100	70%	100%	2
		I-026	City having Approved Spatial Plan	Y/N	Municipal Survey	Subjective	Fully Functional/Update(F)	Fully Functional/Update (F)	1
		I-027	ICT based Urban Maps with scientific house addressing System	Availability of ICT based Urban Maps with Multiple sector using common scientific addressing	Municipal Survey	Subjective	Fully Functional/Update(F)	Fully Functional/Update (F)	1
II-6	Urban Security	I-028	Smart Street light/Smart pole	Percentage of total road length	DOR/municipality	Road length with Street light or smart pole/ Total road length in the city*100	55%	>75%	1
		I-029	Number of CCTV Surveillances	Number Per 10,000 Population	Municipality/MoHA	Number of CCTV Surveillance/Total Population*10,000	4	>10	1
		I-030	Criminal offense	Per 10,000 Population per year	Police database	Number of reported crime per year/Total Population*10,000	25	<10	1
II-7	Disaster Resiliency	I-031	Early warning system for Disaster	Availability and functional Early warning system for flood and landslide and possible disaster	Municipal Survey	Subjective	Fully Functional/Update(F)	Fully Functional/Update (F)	1
		I-032	Emergency response time	Average of Total time to respond (time between reporting time & arrival time) emergency calls in past 12 months	Concerned Institution, including police (Police, Hospital, Fire extinguisher etc)	Sum of all response time in minutes for all emergency call including police response in past 12 months/total number of call for response	20 minutes	<10 minutes	1
		I-033	Number of Hazard related deaths in one year Period	Per 100,000 Population	Municipality/MoAH	Number of hazard related deaths including fire/Total population*100,000	5	1	1
		I-034	Road Traffic accident	Fatality per 100,000 Population per year	Traffic	No. of fatalities per Year/Total no. of Population*100,000	10	5	1

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indicator No.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
III. Smart Infrastructure										
III-1	Transportation & Mobility	I-035	Public Transportation	Seating Capacity of public transport per 1,000 population	Score band	DOR/MOT	Total no. of seat in public transport/Population*1,000	10 seats	>40 seats	1
		I-036	Access to real time traffic information to citizens	Y/N	Y/N	Municipal Survey	Subjective	Fully Functional/Update(F)	Fully Functional/Update (F)	1
		I-037	Online ticketing Vending and Transport information Management System	Y/N	Y/N	Municipal Survey	Subjective	Fully Functional/Update(F)	Fully Functional/Update (F)	1
		I-038	Building within 15 minutes' walk from Commuting Point	Percentage of building	Score band	Municipal GIS	Number of building within 15 minute's walk form commuting point/Total no. of Builidnt*100	50%	>80%	1
		I-039	Technology based parking management	Percentage of total locations	Score band	Traffic	Number of location having ICT based Parking Management/Total no. of parking location*100	25%	>50%	1
		I-040	Dedicated Bicycle Paths and lanes	Percentage of total road length	Score band	Municipal GIS	Total length of dedicated bicycle lanes and pedestraian streets/Total length of flexible/rigid paved moterale road*100	20%	50%	1
		I-041	Access to Piped (potable) water Supply	Percentage of total household	Score band	Municipal Survey	Number of household having piped water Supply/Total household*100	60%	90%	1
		I-042	Water Supply having National Drinking water quality Standards (NDWQS)	Y/N	Y/N	Municipal Survey	Subjective	Fully Functional/Update(F)	Fully Functional/Update (F)	1
III-2	Wash Sector	I-043	Households with own water sealed toilet	Percentage of total household	Score band	Municipal Survey	Number of household with own water sealed toilet/Total household*100	65%	100%	1
		I-044	Sewerage Treatment facility	Percentage of Total household connected sewer line	Score band	Municipal record	Number of households connected to sewer lines with treatments facility/Total households connected to sewer*100	60%	90%	1

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
			Description	Method					
Smart Infrastructure									
III-3	Integrated Solid Waste Management	I-045	Access to municipal Waste Collection	Score band	Municipal Survey	Total household having access to waste collection /Total household*100	60%	100%	1
		I-046	Composted and recycled solid Waste	Score band	Municipal Survey	Solid waste that is composted or Recycled/ Total compostable and recyclable solid waste generated within the Municipality*100	50%	70%	1
III-4	Energy	I-047	Reliable Electricity for Lighting	Y/N	Municipal Survey/ AEPC	Subjective Reliable electricity for lighting for all	Availability Fully functional(F)	Availability Fully functional(F)	1
		I-048	Reliable/Clean Energy for Cooking and others Appliances	Score band	Municipal Survey/ AEPC	Number of household with access to Reliable electricity for Cooking and other appliances/Total household*100	50%	10%	1
III-5	ICT Infrastructure	I-049	Micro Data Centre and Cloud Service Access in City	Y/N	Municipal Survey	Subjective	Availability Fully functional(F)	Availability Fully functional(F)	1
		I-050	Public Wi-Fi Hotspot	Score band	ISPs/Municipal Survey	Number of Public Wifi Hotspots/Number of Public Spaces*100	60%	90%	1
III-6	Natural Environment	I-051	Fine Particulate Matter (PM 2.5) Concentration	Score band	MOFE/Development Partners/CBS	Mass of collected particles that are 2.5 microns or less in diameter/Volume of air sampled (in 50 microgram/cu.m)	35	20	1
		I-052	Sustainable Water Management	Score band	MOFE/Water supply Department	(Waste water treated/recycled)/Total waste water generated*100	20%	50%	1
		I-053	Retention/Detention of Storm Water	Score band	Municipal data/ Department of Hydrology and Meteorology	Capacity of all retention and detention ponds/wells in municipality/Total storm water in peak 24 hour	20%	50%	1
		I-054	Noise Pollution	Score band	MOFE/Development Partners	Noise Equipment Reading	65	<=40 DB	1

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indica- tor No.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
Smart Infrastructure										
III-7	Urban Land Use/Built Environment	I-055	Public Open Space or green Spaces	Percentage of municipal area (Total Public open area or green area-except private land and urban natural resources like urban forests/ponds/lakes etc.)	Score band	Municipal GIS maps/ Municipal data	Total public open area or green area/Total municipal area*100	2%	5%	1
		I-056	Planned Area in City	Percentage of Total area of the City	Score band	Municipal profile/ municipal GIS	Sum of all planned area with atleast block level plan within the City (ancient planned area, public or private planned area with planning permit)/Total area of the city*100	20%	40%	1
		I-057	Public Buildings and Public Spaces with access to Person with disability	Percentage of Public buildings	Score band	National directives for disabled	Number of public building and public space with access to person with disability/ Total number of Public building and Public Space*100	60%	100%	1
		I-058	Households living in Informal Settlements	Percentage of Total Household	Score band	Municipality	Household without land title/Total household*100	5	<2	1
III-8	Health Infrastructure	I-059	Population with access to doctor within one hour distance	Percentage population within one hour distance	Score band	Municipal Survey	population with access to doctor within one hour distance/Total population of city	70%	90%	1
		I-060	In-patient hospital beds	Number per 10,000 Population	Score band	Municipality	Number of Hospital bed/Total Population*10,000	10	>50	1
III-9	Education Infrastructure	I-061	No. of Technical Institution/CTEVT	Min 1 Pre 50,000 Population	Score band	Municipality	Availibility of number Technical Institution/ Total Population*50,000>=1	Availability Fully funci- tional(F)	>1	1
		I-062	Builtup area (Classroom ancillary spaces) in School/colleges	Minimum 2 sqm builtup space per student in sqm	Score band	Municipality Survey	Sum of all builtup space of school and college in city/number of students in city	1.8 sq. metre	>3sq. metre	1

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points	
			Description	Method						
Smart Infrastructure										
III-10	Economic Infrastructure	I-063	Agricultural Market/ Haatbazar	1.nos per 6,000 population	Y/N	Municipality Survey	Number of Full Functional (Vegetable Marke wholesale/slaughter house/cold storage facility (site area>0.5ha)/population*6,000=1	True (Fully Functional)	>1	1
		I-064	Multi-Purpose Hall of Conventional Hall	1 Number per 10,000 population	Y/N	Municipality Survey	Number of Multipurpose Hall or Convention Hall/population*10,000 Population=1	True (Fully Functional)	>1	1
		I-065	Sport Compled	1 Number per 50,000 population	Y/N	Municipality Survey	Fully Functional Sport Complex of min. 1ha area/Total population*50,000 population=1	True (Fully Functional)	>1	1
		I-066	Multiplex/Movie Hall	Total Number of seat per 1,000 population	Y/N	Municipal Survey	Total Number of seats available in all movie hall within the city/population of the city*1,000	5	5	1
		I-067	Warehouse/Dry ports/ Cold store	Presence of Fully Functiona Warehouse of Dry ports or Cold Store	Y/N	Municipality Survey/ CBS/MOICS Ministry of Industries Comm- erce and Supplies)	Total Number of Fully Functional Warehouse/Dry ports/Cold store=>1	Yes	>1	1
		I-068	Industrial Village/SEZ/ Industrial Area	Presence of (atleast one umber and fully functional)	Y/N	Municipality Survey/ CBS/MOICS Ministry of Industries Comm- erce and Supplies)	Presence of any one of Industrial Village/- SEZ/Industrial Area	1	>1	1
		I-069	Heliport/Airport	Facility within 1 hour travel distance	Y/N	Municipality Survey	Total number of Functional Heliport+ Functional Airport within 1 hour distance in or from theMunicipality	Atleast 1 available	>1	1

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indica- tor No.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
IV. Smart Economy										
IV-1	Economic Welfare	I-070	Per Capita Income	Total Household annual income	Score band	MOE/NRB	Total annual income/Total Population (EAP)	National average	Triple the National average	2
		I-071	Unemployment Rate	Percentage of Economically active age group Population	Score band	CBS data/Municipal Profile	Number of unemployed adult economically active age group population*100	10%	<5%	2
		I-072	Access to Banking and financial Institution	Percentage of People having Bank account	Score band	Financial Institution	People having Bank accounts/ Total Population*100	60%	>75%	1
		I-073	Economically active age group population (15-64 yrs) with Agriculture as mai occupation	Percentage of Total economically active age group population in the city	Score band	Municipality Survey/ Records/CBS	Economically active age group (15-65yrs) population Agriculture as main occupation/ Total economically active group (15-64yrs) population*100	50%	20%	2
		I-074	Production for Sustainable food security	Minimum 25% of annual agricultural product consumed in the city	Y/N	Department of Industry/Agriculture/ NLSS/Municipality Profile	Annual food production in city/Annual food products consumed in city*100>=25%	Yes	>25%	2
IV-2	Innovation and Enterpreneur- ship	I-075	Population with Card Technology (ATM/ Credit/Debit Card etc.)	Percentage of Total Population	Score band	ISP/Gateway Companies/Financial Institution	Population using Card Technology/Total Population*100	50%	>75%	1
		I-076	Innovative Business Initiatives/Registration	Percentage of Total national registered patent	Score band	Municipal Primary Survey/Office of Com- panies/Registration /FNCCI/SSI	Number of Patents registered by Citizen of the Municipality/Total no. of registered Patent in the Country*100	1	>5%	1
		I-077	E-registration for innova- tive business registration	Percentage of e-registration for business	Score band	OCR/GON/Municipality	Number of e-registrator for business/ Total registration*100	60%	100%	1
		I-078	Access to formal Credit (Green enterprise and others)	Per 10,000 Population	Score band	NRB/MOC	Population with access to formal credit/Total Population*10,000	0.5	>1	1

Section 2: Smart City Indicator and Measurement

S.N.	Component	Indica- tor No.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
Smart Economy										
IV-3	Productivity and Job Creation	I-079	Availability of Online Job Portal Services by the Municipality	Y/N		Municipal Services	Subjective	Fully Functional/updated(F)	Fully Functional/updated(F)	2
		I-080	Integrated urban services Centre providing services such as wholesale shops, repairs and maintenances services, restaurant, public toilet etc.	Presence of atleast one	Y/N	Municipal Services	Subjective	Fully Functional/updated(F)	Fully Functional/updated(F)	1
		I-081	Industries/Companies in Operation (Product and Services Sector)	Per 10,000 Population	Score band	Municipality/CNI/MOI	Number of Industries/Companies in Operation) Total Population*10,000	10	>15	2
		I-082	Enterprises (Employing>=5 Persons)	Number of Enterprises per 10,000 Population	Score band	Municipality/CNI/MOI	Number of Enterprises (Employing >=5 Person)/Total Population*10,000	4	>10	1
		I-083	Online Services/Home delivery	% of Total Population	Score band	Municipal Survey/ISP database	(Population using online Services/home delivery)/Total Population*100	25%	>50%	1

Section 3: Bands of Smart Targets and Scores

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-001	Average Life Expectancy at birth	Average life expectancy in years of citizen	72	>76 Years	2	<72 year	0	>=73year to<74 year	0.5	>=74year to <75year	1	>=75year to <76 year	1.5	>=76	2
I-002	Communicable Disease	Number of Patients per 100 Population per Year	20	5	1	>20	0	<=20 to>15	0.25	<=15 to>10	0.5	<=10 to>5	0.75	<=5	1
I-003	Non Communicable Disease	Number of Patients per 100 Population per year	40	10	1	>40	0	<=40 to>30	0.25	<=30 to>20	0.5	<=20 to>10	0.75	<=10	1
I-004	Health Insurance	Percentage of Total Population covered under health insurance	50%	75%	1	<50%	0	>=50 to<60%	0.25	>=60 to<70%	0.5	>=70 to<75%	0.75	>=75%	1
I-005	Literacy Rate	Percentage of Population above 5 years	76%	99%	2	<76%	0	>=76% to<85%	0.5	>=85% to<93%	1	>=93% to<99%	1.5	>=99%	2
I-006	Population with at least secondary level education(SEE or equivalent)	Percentage of Population above 15 years	60%	90%	2	<60%	0	>=60% to<70%	0.5	>=70% to<80%	1	>=80% to<90%	1.5	>=90%	2
I-007	Working age population with technical and Vocational training	Percentage of working age population (15-65 yrs)	50%	75%	2	<45%	0	>=45% to<55%	0.5	>=55 to<65	1	>=65 to<75%	1.5	>=75	2
I-008	People having Workable Knowledge of ICT devices	Percentage of Total Population	55%	>85%	1	<55%	0	>=55% to<65%	0.25	>=65% to<75%	0.5	>=75% to<85%	0.75	>=85%	1
I-009	Population using internet facilities	Percentage of total adult Population	70%	95%	2	<70%	0	>=70% to<80%	0.5	>=80 % to 90%	1	>=90% to<95%	1.5	>=95%	2
I-010	Percentage of women employment	Percentage of total employed population	35%	50%	2	<35%	0	>=35% to<40%	0.5	>=40% to<45%	1	>=45% to<50%	1.5	>=50%	2
I-011	Building having female ownership	Percentage of female population	35%	50%	1	<35%	0	>=35% to<40%	0.25	>=40% to<45%	0.5	>=45% to<50%	0.75	>=50%	1
I-012	Violence against Women	Percentage of Women who have experienced any form of violence	12%	6.5%	1	>12%	0	<=12 to>10%	0.25	<=10 to>8%	0.5	<=8 to>6.5%	0.75	<=6.5%	1

Section 3: Bands of Smart Targets and Scores

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-013	Social Conflicts	In 5 years period, Population per 1000 population	50 people	5 people	2	>50	0	<=50 to>30	0.5	<=30 to>15	1	<=15 to>5	1.5	<=5	2
I-014	Municipal e-service defined by Citizen Charter	Percentage of total services provided by Municipality	50%	80 %	2	<50%	0	>=50% to <60%	0.5	>=60% to <70%	1	>=70% to <80%	1.5	>=80%	2
I-015	Grievance addressed including online	Percentage of total grievances addressed	50%	90%	1	<50% or no online grievance system	0	>=50% to <70%	0.25	>=70% to <80%	0.5	>=80% to <90%	0.75	>=90%	1
I-016	ICT Based Land information System	Y/N	Fully Functional/updated (F)	Fully Functional/updated(F)	1	No	0	---	---	---	---	---	---	Yes	1
I-017	Online tax filling service and warning system for tax defaulters	Percentage of tax filling	60%	90%	1	<60%	0	>=60% to <70%	0.25	>=70% to <80%	0.5	>=80% to <90%	0.75	>90%	1
I-018	GESI in municipal staff	>=33% of Total Municipal Staffs	Yes	33%	1	No	0	---	---	---	---	---	---	Yes	1
I-019	Separate counters or home service for disabled /disadvantage group	Separate counters or home service for disabled/disadvantage group for Municipal services	Fully Functional (F)	Fully Functional (F)	1	No	0	---	---	---	---	---	---	Yes	1
I-020	Availability of public data/Municipal decisions online	Timely and online availability of municipal decisions/ public data (to be provided under right to information)	Fully Functional/updated (F)	Fully Functional/updated(F)	1	No	0	---	---	---	---	---	---	Yes	1
I-021	Public Hearing	No.of Public Hearing held at Local Level	Minimum 2 times in a year	-	1	No	0	---	---	---	---	---	---	Yes	1
I-022	Own Sources Revenue (OSR)	Percentage of total municipal income	20%	50%	2	<20%	0	>=20% to <30%	0.5	>=30% to <40%	1	>=40% to <50%	1.5	>=50%	2

Section 3: Bands of Smart Targets and Scores

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-023	Private Sector Investment through PPP	Percentage of Total Investment	4%	10%	1	<4%	0	>=4% to <6%	0.25	>=6% to <8%	0.5	>=8% to <10%	0.75	>=10%	1
I-024	Use of Integrated Finance Information Management System	Y/N	Fully Functional/updated (F)	Fully Functional/updated(F)	2	No	0	---	---	---	---	---	---	Yes	2
I-025	Building code regulated in construction	Percentage of total building construction after 2020	70%	100%	2	<70%	0	>=70 to <80%	0.5	>=80 to <90%	1	>=90 to <100%	1.5	=100%	2
I-026	City having Approved Spatial Plan	Y/N	Fully Functional/updated (F)	Fully Functional/updated(F)	1	No	0	---	---	---	---	---	---	Yes	1
I-027	ICT based Urban Maps with scientific house addressing System	Availability of ICT based Urban Maps with Multiple sector using common scientific addressing	Fully Functional/updated (F)	Fully Functional/updated(F)	1	No	0	---	---	---	---	---	---	Yes	1
I-028	Smart Street light/Smart pole	Percentage of total road length	55%	>75%	1	<50%	0	>=50 to <60%	0.25	>=60 to <70%	0.5	>=70 to <75%	0.75	>=75%	1
I-029	Number of CCTV Surveillances	Number Per 10000 Population	4	>10	1	<4	0	>=4 to <6	0.25	>=6 to <8	0.5	>=8 to <10	0.75	>=10	1
I-030	Criminal offense	Per 10,000 Population per year	25	<10	1	>25	0	<=25 to >20	0.25	>=20 to <15	0.5	<=15 to >10	0.75	<=10	1
I-031	Early warning system for Disaster	Availability and functional Early warning system for flood and landslide and possible disaster	Fully Functional/updated (F)	Fully Functional/updated (F)	1	No	0	---	---	---	---	---	---	Yes	1
I-032	Emergency response time	Average of Total time to respond (time between reporting time and arrival time) emergency calls in past 12 months	20 minutes	<10 minutes	1	>20 minutes	0	<=20 to >15	0.25	<=15 to >12	0.5	<=12 to >10	0.75	<=10 minutes	1

Section 3: Bands of Smart Targets and Scores

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-033	Number of Hazard related deaths in 12 month Period	Per 100,000 Population	5	1	1	>1.8	0	<=1.8 to >1.5	0.25	<=1.5 to >1.2	0.5	>=1.2 to <1	---	<=1	1
I-034	Road Traffic accident	Fatality per 100,000 Population per year	10	5	1	>10	0	<=10 to >8	0.25	<=8 to >7	0.5	>=7 to <5	---	<=5	1
I-035	Public Transportation	Seating Capacity of public transport per 1000 population	10 seats	>40 seats	1	<10	0	>=10 <20	0.25	>=20 <30	0.5	>=30 <40	0.75	>=40	1
I-036	Access to real time traffic information to citizens	Y/N	Fully Functional/ updated (F)	Fully Functional/ updated (F)	1	No	0	---	---	---	---	---	---	Yes	1
I-037	Online Ticketing Vending and Transport information Management System	Y/N	Fully Functional/ updated (F)	Fully Functional/ updated (F)	1	No	0	---	---	---	---	---	---	Yes	1
I-038	Building within 15 minutes' walk from Commuting Point	Percentage of building	50%	>80%	1	<50%	0	>=50% to <60%	0.25	>=60% to <70%	0.5	>=70% to <80%	0.75	>=80%	1
I-039	Technology based parking management	Percentage of total locations	25%	>50%	1	<20%	0	>=20% to <30%	0.25	>=30% to <40%	0.5	>=40% to <50%	0.75	>=50%	1
I-040	Dedicated Bicycle Paths and lanes	Percentage of total road length	20%	50%	1	<20%	0	>=20% to <30%	0.25	>=30% to <40%	0.5	>=40% to <50%	0.75	>=50%	1
I-041	Access to Piped (potable) water Supply	Percentage of total household	60%	90%	1	<60%	0	>=60% to <75%	0.25	>=75% to <80%	0.5	>=80% to <90%	0.75	>=90%	1
I-042	Water Supply having National Drinking water quality Standards (NDWQS)	Y/N	Fully Functional/ updated (F)	Fully Functional/ updated (F)	1	No	0	---	---	---	---	---	---	Yes	1
I-043	Households with own water sealed toilet	Percentage of total household	65%	100%	1	<65%	0	>=65% to <80%	0.25	>=80% to <90%	0.5	>=90% to <100%	0.75	=100%	1

Section 3: Bands of Smart Targets and Scores

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-044	Sewerage Treatment facility	Percentage of Total household connected sewer line	60%	90%	1	<60%	0	>=60% to <70%	0.25	>=70% to <80%	0.5	>=80% to<90%	0.75	>=90%	1
I-045	Access to municipal Waste Collection	Percentage of Total household	60%	100%	1	<60% or <50% or	0	>=60% to <80%	0.25	>=80% to <90%	0.5	>=90% to<100%	0.75	=100%	1
I-046	Composted and recycled solid Waste	Percentage of compostable and recyclable solid waste	50%	70%	1	no monitoring system	0	>=50% to <60%	0.25	>=60% to <65%	0.5	>=65% to<70%	0.75	>=70%	1
I-047	Reliable Electricity for Lighting	Total household	Availability Fully Functional (F)	Availability Fully Functional(F)	1	No	0	---	---	---	---	---	---	Yes	1
I-048	Reliable/Clean Energy for Cooking and others Appliances	Percentage of Total household	5%	10%	1	<5%	0	>=5% to <7%	0.25	>=7% to <9%	0.5	>=9% to<10%	0.75	>=10%	1
I-049	Micro Data Centre and Cloud Service Access in city	Y/N	Availability Fully Functional (F)	Availability Fully Functional(F)	1	No	0	---	---	---	---	---	---	Yes	1
I-050	Public Wi-Fi Hotspot	Coverage of wifi in Public Spaces	60%	90%	1	<60%	0	>=60% to<70%	0.25	>=70% to<80%	0.5	>=80% to<90%	0.75	>=90%	1
I-051	Fine Particulate Matter (PM 2.5) Concentration	Mass of collected particles that are 2.5 microns or less in diameter (µg/m3, 24 hours' average)	35	20	1	>35	0	<=35 to>30	0.25	>=30 to <25	0.5	<=25 to>20	0.75	<=20	1
I-052	Sustainable Water Management	Percentage of Waste water treatment/recycled	20%	50%	1	<20%	0	>=20% to <30%	0.25	>=30% to <40%	0.5	>=40% to<50%	0.75	>=50%	1
I-053	Retention/ Detention of Storm Water	Percentage of storm water	20%	50%	1	<20%	0	>=20% to <30%	0.25	>=30% to <40%	0.5	>=40% to<50%	0.75	>=50%	1
I-054	Noise Pollution	Decibels(DB)	65	<=40 DB	1	>65 db	0	<=65 to>55	0.25	>=55 to<50	0.5	<=50 to>40	0.75	<=40db	1

Section 3: Bands of Smart Targets and Scores

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores								
						A	score	B	score	C	score	D	score	E
I-055	Public Open Space or green Spaces	Percentage of municipal area (Total Public open area or green area -except private land and urban natural resources like urban forests/ ponds/lakes etc)	2%	5%	1	<2%	0	>=2% to<3%	0.25	>=3% to<4%	0.5	>=4% to<5%	0.75	>=5% 1
I-056	Planned Area in City	Percentage of Total area of the City	20%	40%	1	<20%	0	>=20% to<30%	0.25	>=30% to<35%	0.5	>=35% to<40%	0.75	>=40% 1
I-057	Public Building and Public Spaces with access to Person with disability	Percentage of Public buildings	60%	100%	1	<60%	0	>=60% to<80%	0.25	>=80% to<90%	0.5	>=90% to<100%	0.75	=100% 1
I-058	Households living in Informal Settlement	Percentage of Total Household	5	<2	1	>4%	0	<=4% to>3%	0.25	>=3% to<2.5%	0.5	<=2.5% to>2%	0.75	<=2% 1
I-059	Population with access to doctor within one hour distance	Percentage population within one hour distance	70%	90%	1	<70%	0	>=70 to<80%	0.25	>=80 to<85%	0.5	>=85 to<90%	0.75	>=90% 1
I-060	In-patient hospital beds	Number per 10,000 Population	10	>50	1	<10	0	>=10 to<25	0.25	>=25 to<40	0.5	>=40 to<50	0.75	>=50 1
I-061	No. of Technical Institution/CTEVT	Min 1 Per 50,000 Population	Availability Fully Functional(F)	>1	1	No	0	---	---	---	---	---	0.75	Yes 1
I-062	Builtup area (classroom and ancillary spaces) in School/colleges	Minimum 2 sqm builtup space per student in sqm	1.8 sq. metre	>3 sq. metre	1	<1.8%	0	>=1.8 to<2.2	0.25	>=2.2 to<2.6	0.5	>=2.6 to<3	0.75	>=3 1
I-063	Agricultural Market/ Haatbazar	1.nos per 6000 population	True (Fully functional)	>1	1	No	0	---	---	---	---	---	---	Yes 1
I-064	Multi-Purpose Hall or Conventional Hall	1Number per 10,000 population	True (Fully functional)	>1	1	No	0	---	---	---	---	---	---	Yes 1

Section 3: Bands of Smart Targets and Scores

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-065	Sport Complex	1 Number per 50,000 population	True (Fully functional)	>1	1	No	0	---	---	---	---	---	Yes	1	
I-066	Multiplex / Movie Hall	Total Number of seat per 1000 population	5	5	1	<2	0	>=2to<3	0.25	>=3to<4	0.5	>=4to<5	0.75	>=5	1
I-067	Warehouse/Dry ports /Cold store	Presence of Fully Functional Warehouse or Dry ports or Cold store	yes	>1	1	No	0	---	---	---	---	---	Yes	1	
I-068	Industrial Village/SEZ/Industrial Area	Presence of (atleast one number and fully functional)	1	>1	1	No	0	---	---	---	---	---	Yes	1	
I-069	Heliport/Airport	Facility within 1 hour travel distance	Atleast 1 available	>1	1	No	0	---	---	---	---	---	Yes	1	
I-070	Per Capita Income	Total Household annual income	National average	Triple the National average	2	< National average	0	>=1.5 to <2 times	0.5	>=2 to <2.5 times	1	>=2.5 to <3 times	1.5	>=3 times	2
I-071	Unemployment Rate	Percentage of Economically active age group Population	10%	<5%	2	>10%	0	<=10% to >8%	0.5	<=8% to >6%	1	<=6% to >5%	1.5	<=5%	2
I-072	Access to Banking and financial Institution	Percentage of People having Bank account	60%	>75%	1	<60%	0	>=60% to <65%	0.25	>=65% to <70%	0.5	>=70% to <75%	0.75	>=75%	1
I-073	Economically active age group population (15 -64 yrs) with Agriculture as main occupation	Percentage of Total e conomically active age group population in the city	50%	<20%	2	>50%	0	<=50% to >40%	0.5	<=40% to >30%	1	>=30% to <20%	1.5	<=20%	2
I-074	Production for Sustainable food security	Minimum 25% of annual agricultural product consumed in the city	Yes	>25%	2	No /False	0	---	---	---	---	---	Yes/ True	2	

Section 3: Bands of Smart Targets and Scores

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-075	Population with Card Technology (ATM/Credit/Debit Card e.t.c)	Percentage of Total Population	50%	>75%	1	<50%	0	>=50% to<60%	0.25	>=60% to<70%	0.5	>=70% to<75%	0.75	>=75%	1
I-076	Innovative Business Initiatives/Registration	Percentage of Total national registered patent	1	>5%	1	<1	0	>=1<2	0.25	>=2 to <3	0.5	>=3 to <4	0.75	>=5	1
I-077	E-registration for innovative business registration	Percentage of e-registration for business	60%	100%	1	<60%	0	>=60% to<70%	0.25	>=70% to<80%	0.5	>=80% to<90%	0.75	=100%	1
I-078	Access to formal Credit (Green enterprise and others)	Per 10,000 Population	0.5	>1	1	<0.5	0	>=0.5 to <0.7	0.25	>=0.7 to <0.9	0.5	>=0.9 to <1	0.75	>=1	1
I-079	Availability of Online Job Portal Services by the Municipality	Y/N	Fully Functional/ updated (F)	Fully Functional/ updated (F)	2	No	0	---	---	---	---	---	---	Yes	2
I-080	Integrated urban services Centre providing services such as wholesale shops, repairs and maintenance services, restaurant, public toilet etc.	Presence of atleast one	Fully Functional/ updated (F)	Fully Functional/ updated (F)	1	No	0	---	---	---	---	---	---	Yes	1
I-081	Industries/Companies in Operation (Product and Services Sector)	Per 10,000 Population	10	>15	2	<10	0	>=10<12	0.5	>=12 to <14	1	>=14 to <15	1.5	>=15	2
I-082	Enterprises (Employing >= 5 Persons)	Number of Enterprises per 10,000 Population	4	>10	1	<4	0	>=4 to <6	0.25	>=6 to <8	0.5	>=8 to <10	0.75	>=10	1
I-083	Online Services/Home delivery	Percentage of Total Population	25%	>50%	1	<25%	0	>=25% to <35%	0.25	>=35% to <45%	0.5	>=45% to <50%	0.75	>=50%	1
83					100										100

Section 4: Level of Smartness

To measure the level of smartness of a city, Following criteria of total score shall be followed. Cities will be assessed for following five level of Smartness.

Score for Degree Of Smartness

Smartness Level	Criteria
I	total score ≥ 85
II	total score ≥ 70 and < 85
III	total score ≥ 55 and < 70
IV	total score ≥ 40 and < 55
V	total score < 40

**Note: Total marks shall be obtained after filling the data of each indicator*

Nepal Smart City Indicators-2025

