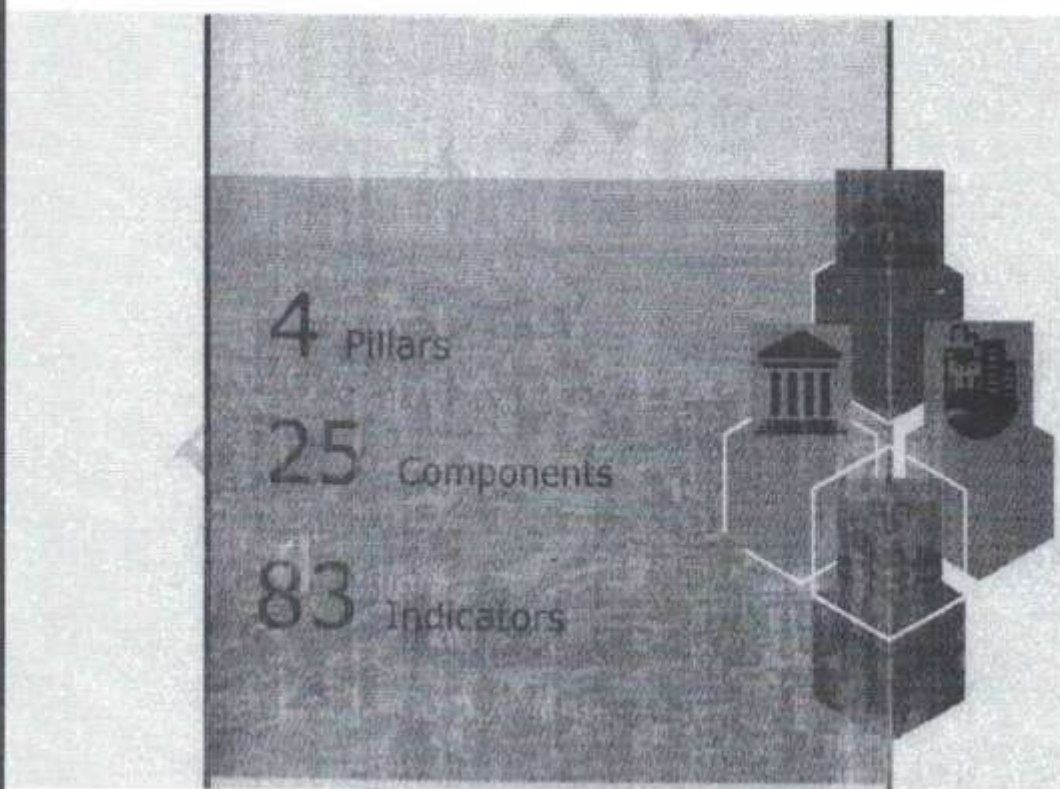




Government of Nepal
Ministry of Urban Development

SMART CITY INDICATOR, 2025
(स्मार्ट शहर सम्बन्धी सूचक २०८१)



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गोपाल प्रसाद सिग्देल
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Government of Nepal
Ministry of Urban Development

Smart City Indicator- 2025

- 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 |

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Section 1

Structure of Smart City Pillar,
components and Indicator

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Government of Nepal
Ministry of Urban Development

" Smart City Indicator- 2025"

Section I: 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 and Accountability	2	2	
			Urban Finance	3	5	
			Spatial Planning and Development Regulation	3	4	
			Urban Security	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%

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Section 2

Smart City Indicator and Measurement

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Smart City Indicator- 2025

Section 2: Smart City Indicator and Measurement, 2025

S.N	Component	Indicator no.	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	Score band	CBS/ Municipal data	Average life expectancy	72	>76 Years	2
		I-002	Communicable Disease	Number of Patients per 100 Population per Year	Score band	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	Score band	Ministry of Health/Municipal Profile	Number of Patients with non-communicable disease in 1 year/(Total Population*100)	40	10	1
		I-004	Health Insurance	% of Total Population covered under health insurance	Score Band	Municipality /Health insurance record	Population covered under health insurance/Total Population*100	50%	75%	1
I-2	Education & Literacy	I-005	Literacy Rate	% of Population above 5 years	Score band	CBS data/ Municipal Profile	Number of Literates above 5 year/Total number of Population above 5 year*100	76%	99%	2
		I-006	Population with at least secondary level education(SEE or equivalent)	% of Population above 15 years	Score band	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	% of working age population(15-65 yrs)	Score band	EMIS/Municipal record/Primary Survey	working age population trained on technical and Vocational Sector/working age population *100	50%	75%	2

गोपाल प्रसाद सिग्देल

S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
I-3	Digital Inclusion	I-008	People having Workable Knowledge of ICT devices	% of Total Population	Score band	Municipal Primary Survey	Number of Population having having Workable Knowledge of ICT Devices/Total no.Population *100	55%	>85%	1
		I-009	Population using internet facilities	% of total adult Population	Score band	Municipal Survey MOCIT/ ISPs	Number of adult population using internet facilities/Total adult population*100	70%	95%	2
I-4	Gender Empowerment	I-010	% of women employment	% of total employed population	Score band	Municipal Primary Survey	Number of employed female population /Total number of employed Population*100	35%	50%	2
		I-011	Building having female ownership	% of female population	Score band	Municipal Primary Survey	Number of building having female ownership/Total number of building *100	35%	50%	1
		I-012	Violence against Women	% of Women who have experienced any form of violence	Score band	Social Survey/ NWC report	Number of women who have experienced any form of violence/Total sampled women Population*100	12%	6.5%	1
I-5	Social Harmony	I-013	Social Conflicts	In 5 years period, Population per 1000 population	Score band	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
II. Smart Governance										
II-1	E-Services	I-014	Municipal e-service defined by Citizen Charter	% 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

District Police Office, Kathmandu

S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
		I-015	Grievance addressed including online	% 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/ updated	Fully Functional/ updated (F)	1
		I-017	Online tax filling service and warning system for tax defaulters	% of tax filling	Score band	Municipal Survey	Number of tax filed online/ Total number tax filing	60%	90%	1
II-2	Inclusivity	I-018	GESI 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 (F)	Fully Functional (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	Municipal Survey	Subjective	Fully Functional/ updated (F)	Fully Functional/ updated (F)	1
		I-021	Public Hearing	No. of Public Hearing held at Local Level	Y/N	Municipal Survey	Number of Public Hearing >=2	Minimum 2 times in a year	-	1

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पुणे, महाराष्ट्र

S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
II-4	Urban Finance	I-022	Own Sources Revenue(OSR)	% 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	% 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	Municipal Survey	Subjective	Fully Functional/ updated (F)	Fully Functional/ updated (F)	2
II-5	Spatial Planning and Development Regulation	I-025	Building code regulated in construction	% of total building construction after 2020	Score Band	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	Y/N	Municipal Survey	Subjective	Fully Functional/ updated (F)	Fully Functional/ updated (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	Y/N	Municipal Survey	Subjective	Fully Functional/ updated (F)	Fully Functional/ updated (F)	1
II-6	Urban Security	I-028	Smart Street light/Smart pole	% of total road length	Score band	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 10000 Population	Score band	Municipality/ MoHA	Number of CCTV Surveillance/Total Population *10000	4	>10	1
		I-030	Criminal offense	Per 10,000 Population per year	Score Band	Police database	Number of reported crime per year/Total Population *10,000	25	<10	1

S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
II-7	Disaster Resiliency	I-031	Early warning system for Disaster	Availability and functional Early warning system for flood and landslide and possible disaster	Y/N	Municipal Survey	Subjective	Fully Functional/ updated (F)	Fully Functional/ updated (F)	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	Score band	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 12 month Period	Per 100,000 Population	Score band	Municipality/MOH A	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	Score band	Traffic	No. of fatalities per Year/Total no.of Population *100,000	10	5	1
III. Smart Infrastructure										
III-1	Transportation & Mobility	I-035	Public Transportation	Seating Capacity of public transport per 1000 population	Score Band	DOR/MOT	Total no.of seat in public transport/Population*1000	10 seats	>40 seats	1
		I-036	Access to real time traffic information to citizens	Y/N	Y/N	Municipal Survey	Subjective	Fully Functional/ updated (F)	Fully Functional/ updated (F)	1
		I-037	Online Ticketing Vending and Transport information Management System	Y/N	Y/N	Municipal Survey	Subjective	Fully Functional/ updated (F)	Fully Functional/ updated (F)	1

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S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
		I-038	Building within 15 minutes' walk from Commuting Point	% of building	Score Band	Municipal GIS	Number of building within 15 minutes's walk from commuting point/Total no. of Building*100	50%	>80%	1
		I-039	Technology based parking management	% 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	% of total road length	Score Band	Municipal GIS	Total length of dedicated bicycle lanes and pedestrian streets/Total length of flexible/ rigid paved moterable road *100	20%	50%	1
III-2	Wash Sector	I-041	Access to Piped (potable) water Supply	% of total household	Score Band	Municipal Survey	Number of 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/ updated (F)	Fully Functional/ updated (F)	1
		I-043	Households with own water sealed toilet	% 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	% of Total household connected sewer line	Score Band	Municipal record	Number of households connected to sewer lines with treatment facility /Total households connected to sewer*100	60%	90%	1
III-3	Integrated Solid Waste Management	I-045	Access to municipal Waste Collection	% of Total household	Score Band	Municipal Survey	Total household having access to waste collection /Total household*100	60%	100%	1
		I-046	Composted and recycled solid Waste	% of compostable and recyclable 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

S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
III-4	Energy	I-047	Reliable Electricity for Lighting	Total household	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	% of Total household	Score band	Municipal Survey/AEPC	Number of household with access to Reliable electricity for Cooking and other appliances/Total household *100	5%	10%	1
III-5	ICT Infrastructure	I-049	Micro Data Centre and Cloud Service Access in city	Y/N	Y/N	Municipal Survey	Subjective	Availability Fully Functional (F)	Availability Fully Functional (F)	1
		I-050	Public Wi-Fi Hotspot	Coverage of wifi in Public Spaces	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	Mass of collected particles that are 2.5 microns or less in diameter ($\mu\text{g}/\text{m}^3$, 24 hours' average)	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	% of Waste water treatment/recycled	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	% 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

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S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
		I-054	Noise Pollution	Decibels(DB)	Score band	MOFE/Development Partners	Noise Equipment Reading	65	≤40 DB	1
III-7	Urban Land Use/Built Environment	I-055	Public Open Space or green Spaces	% 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	% 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 Building and Public Spaces with access to Person with disability	% of Public buildings	Score band	National directives for disabled	Number of public building and public spaces with access to person with disability/Total number of Public building and Public Spaces *100	60%	100%	1
		I-058	Households living in Informal Settlement	% of Total Household	Score band	Municipality	Household without land title/Total Household*100	5	<2	1
		I-059	Population with access to doctor within one hour distance	% 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
III-8	Health Infrastructure	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

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S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
III-9	Education Infrastructure	I-061	No. of Technical Institution/CTEVT	Min 1 Per 50,000 Population	Score band	Municipality	Avaibility of number Technical Institution/Total Population*50,000>=1	Availability Fully Function al (F)	>1	1
		I-062	Builtup area (classroom and 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	>3 sq. metre	1
III-10	Economic Infrastructure	I-063	Agricultural Market/ Haatbazar	I.nos. per 6000 population	Y/N	Municipality Survey	Number of Fully Functional (Vegetable Market wholesale/ slaughter house/ cold storage facility (site area >0.5ha)/population *6000 =1	True (Fully functional)	>1	1
		I-064	Multi-Purpose Hall or Conventional Hall	1Number 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 Complex	1 Number per 50,000 population	Y/N	Municipality Survey	Fully Functional Sport Complex of min. 1 ha area /Total population*50,000 Population=1	True (Fully functional)	>1	1
		I-066	Multiplex / Movie Hall	Total Number of seat per 1000 population	Y/N	Municipal Survey	Total Number of seats available in all movie hall within the city/population of the city*1000	5	5	1
		I-067	Warehouse/Dry ports /Cold store	Presence of Fully Functional Warehouse or Dry ports or Cold store	Y/N	Municipality Survey/CBS/MOIC S Ministry of Industries Commerce and Supplies)	Total number of Fully Functional Warehouse/Dry ports /Cold store => 1	yes	>1	1

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S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
		I-068	Industrial Village/SEZ/Industrial Area	Presence of (atleast one number and fully functional)	Y/N	Municipal Survey/CBS/MOIC S Ministry of Industries Commerce 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 the Municipality	Atleast 1 available	>1	1
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	% of Economically active age group Population	Score band	CBS data/Municipal Profile	Number of unemployed adult Population /Total economically active age group population *100	10%	<5%	2
		I-072	Access to Banking and financial Institution	% 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 main occupation	% of Total economically active age group population in the city	Score band	Municipality Survey/ Records/CBS	Economically active age group (15 -65 yrs) population Agriculture as main occupation/Total economically active age group (15 -64 yrs) population *100	50%	<20%	2

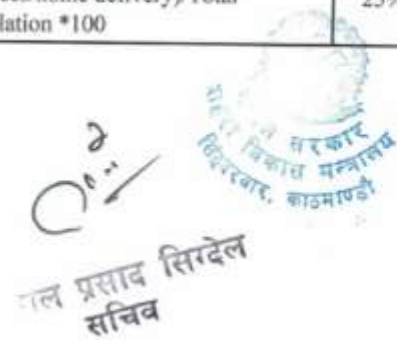

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S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
		I-074	Production for Sustainable food security	Minimum 25% of annual agricultural product consumed in the 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 Entrepreneurship	I-075	Population with Card Technology(ATM/Credit/ Debit Card e.t.c)	% 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	% of Total national registered patent	Score band	Municipal Primary Survey/Office of Companies 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 innovative business registration	% of e-registration for business	Score band	OCR/GON/Municipality	Number of e-registration 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
IV-3	Productivity and Job Creation	I-079	Availability of Online Job Portal Services by the Municipality	Y/N	Y/N	Municipal Services	Subjective	Fully Functional/updated	Fully Functional/updated (F)	2

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S.N	Component	Indicator no.	Indicator	Measurement		Data Sources	Calculation	Smart Threshold	Smart Target	Points
				Description	Method					
		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*10000	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 *10000	4	>10	1
		I-083	Online Services/Home delivery	% of Total Population	Score band	Municipal Survey/ISP data base	(Population using online Services/home delivery)/Total Population *100	25%	>50%	1



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Section 3

Bands of Smart Targets and Scores

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Government of Nepal
Ministry of Urban Development

" Smart City Indicator, 2025"

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	<72year	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	% 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	% 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)	% 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	% 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

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-008	People having Workable Knowledge of ICT devices	% 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	% 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	% of women employment	% 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	% 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	% 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
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	% 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	% 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

0.2

0.2

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
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	% 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 Staff's	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)	% 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
I-023	Private Sector Investment through PPP	% 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

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Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-025	Building code regulated in construction	% 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	% 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
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

02

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
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	% 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	% 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	% 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	% 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

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Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-043	Households with own water sealed toilet	% 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
I-044	Sewerage Treatment facility	% 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	% of Total household	60%	100%	1	<60%	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	% of compostable and recyclable solid waste	50%	70%	1	<50% or 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	% 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

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Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
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	% 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	% 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	<=50to>40	0.75	<=40db	1
I-055	Public Open Space or green Spaces	% 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	% 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	% 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	% 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

02

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
I-059	Population with access to doctor within one hour distance	% 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	1 Number per 10,000 population	True (Fully functional)	>1	1	No	0	---	---	---	---	---	---	Yes	1
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	>=2 to <3	0.25	>=3 to <4	0.5	>=4 to <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

902



Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
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	>=1.5to<2 times	0.5	>=2to<2.5 times	1	>=2.5to<3times	1.5	>=3 times	2
I-071	Unemployment Rate	% 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	% 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	% of Total economically 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
I-075	Population with Card Technology(ATM/Credit /Debit Card e.t.c)	% 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	% 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	% 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

2

Indicator no.	Indicator	Measurement	Smart Threshold	Smart Target	Points	Bands and Scores									
						A	score	B	score	C	score	D	score	E	score
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 maintenances 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 to <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	% of Total Population	25%	>50%	1	<25%	0	$\geq 25\%$ to <35%	0.25	$\geq 35\%$ to <45%	0.5	$\geq 45\%$ to <50%	0.75	$\geq 50\%$	1

गोपाल प्रसाद सिग्देल
मन्त्रि



Section 4

Level of Smartness


गोपाल प्रसाद सिग्देल
सचिव



"Smart City Indicator -2025"

Section4: 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


गोपाल प्रसाद सिग्देल
सचिव

