

Date, Month, Year

Subject:Inputs for **Urban Planning, Green Cover and Biodiversity, Indicator 2**: **Proportion of Green Cover** (please upload documents for all required levels), – ClimateSmart Cities Assessment Framework 3.0

ClimateSmart Cities Assessment Framework (CSCAF) 3.0 is a flagship initiative by the Smart Cities Mission under the Ministry of Housing and Urban Affairs. The framework will support Indian cities to assess their development from a climate lens across 5 thematic areas and 28 indicators. The intent of CSCAF is to inform cities to build relevant climate actions.

As a part of the assessment, City Nodal Officer has reached out to your department to collect the necessary data for the same. Please fill the required data in the given format for your city. Ensure to sign and stamp the document.

Urban Planning, Green Cover and Biodiversity

2: Proportion of Green Cover

Rationale:Sufficiently large and protected greenspaces reduce the impact of human activities on climate. The ecosystem services provided by the urban greenspaces help the city in general and its citizens to adapt to the adverse effects of climate change and disasters

Description:To what extent is the city developing and increasing its green cover. Green Cover, defined as natural or planted vegetation covering a certain area of terrain, functioning as protection against soil erosion, protecting the fauna, and balancing the temperature. For the purpose of this indicator, green areas are defined as man-made city level and zonal/ district level greens; and reserved/ protected areas as per MoHUA's Urban. Green Guidelines, 2014 and protected areas under the Wildlife Protection Act, 1972.

Methodology: Data available on area of urban greens can be analysed from satellite imagery. Recent imagery can be procured from the state or National Remote Sensing Centre (NRSC). Baseline year: 2019. Comparative analysis using the formula given below on a yearly basis will help to understand the increase/decrease over time. This data is also being reported by cities for the Ease of Living Index (Indicator 3.2.1) and may be sourced from there.

Formula:

Green Cover in sq. km Municipal area in sq. km

Unit: %

MaximumScore:Total score for the indicator is 100. Cities will be marked in 5 levels with scores ranging from 0-100. In this indicator, certain bonus marks will be provided for cities that are taking additional desirable measures towards protection of green cover.

- 1. Additional 10 marks for reporting on additional qualitative data list of native tree species, tree density, and tree canopy density. (Applicable for levels 1 to 4)
- 2. Additional 10 marks for developing the strategy for increasing Green Cover in the city in line with the National Clean Air Plan (NCAP). (Applicable for levels 1 to 4)
- 3. Additional 5 marks for providing evidence on action initiated for points 1 and 2 above. (Applicable for levels 1 to 4)

Please use this form if you have responded YES to questions for the indicator levels:

Green Cover	Response (sq. km)
Total Master Planning Area	53·9 By
Municipal Area	53.94
Area of Green Cover	438 Hectar

1) What is the average tree density across the city? (Unit: trees per hectare)

(Note: Tree density gives us an idea of how closely trees are growing in a given area. This value can be expressed as trees per hectare. The tree density is not an exact number of all of the trees in the region, but it serves as an estimate.)

Number: _____ trees per hectare.

2) What is the average tree canopy density for tree cover/ forest cover areas, within the city, with a minimum areal extent of one hectare? (Unit: %)

(Note: Forest Canopy Density (FCD) refers to the proportion of an area in the field/ground that is covered by the crown of trees and is expressed in percentage of the total area.)

3) Reporting on additional qualitative data: list of native tree species

Please provide the following details for information about native tree species in the city:

	Native Tree Spec	E SPECIES IN THE CITY	Number
		tres (Name)	Number
			Marking at a resident
 Evidence on action policies like the N 	n initiated for inc ational Clean Air	reasing green cover in the city in line with th Plan (NCAP)	e prevailin
	under NCAP?' Pr	ons/description of projects initiated for inc rojects may include plantation drives in pollu parks and forests etc.	
A	CTIONS TO I	NCREASE GREEN COVER	
Actions for increasing green cover	Department/ Agency	Status (Planning, implementation, completed)	Cost of Project (INR)
		Planning Implementation Completion	
		☐Planning ☐Implementation ☐Completion	
		Planning Implementation Completion	
	(Annual Addition	tional points will be provided.	
2 (Proportion of Green C	over)in the Clima	or Urban Planning, Green Cover and Biodive iteSmart Cities Assessment Framework. This ency) and are certified to be correct. Authorized Signatory (municipal commiss	s data nas
		engineer, smart city CEO or responsible a	
M	04	Signature	
* * * * * * * * * * * * * * * * * * * *	नेवेशक	Designation:	
् नगर	निवेशक	Date:	
	प, हजारीबाग		

To be printed on the ULB letterhead

Sector: Planning, Regulation and Preparedness

Data Point 17:Total number of crematoriums operated by ULB. 03

Description: Data refers to number of crematoriums operated and maintained by the municipal corporation.

S. No.	Name of the Crematorium	Address of the Crematorium	Name of Person in Charge at Crematorium	Contact no. of the Crematorium
1	Khirgaon Shamshan Ghat	Khirgaon		
2	Khirgaon Qubristan	Khirgaon		
3	Hurhuru Cementry	Hurhuru		
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			P. Control of the con	

I hereby declare that the details mentioned on the letterhead are true and correct to the best of my knowledge and belief. I have fully understood that any misrepresentation of any information may invalidate the data.

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Nodal Officer

Municipal Corporation

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To be printed on the ULB letterhead

Sector: Planning, regulation & preparedness

Data Point 13:Have response teams (e.g. fire stations, police, ambulances) been identified and prepared for disasters?

Description: This data point focuses on preparedness of ULB for any emergency situation and alignment of its response teams.

S. No.	Name of the Employee (Identified/Prepared)	Designation	Department	Contact No. of the Employee	Topic of Training	Date of the Training
1	Pradip Kumar	Haranganj	Fire Department	7979820152	,	
2	Uttam Tiwari	Main Road	Police Station			
3	Upendra Kumar	Main Road	Sadar Hospital			
						E
			5			

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Nodal Officer

Municipal Corporation

मार निवंशक

नगर निगम, हजारीबाग



Date, Month, Year

Subject:Inputs for Urban Planning, Green Cover and Biodiversity, Indicator 1: Rejuvenation and Conservation of Water Bodies and Open Areas, Level 3/4 (please upload documents for all required levels), – ClimateSmart Cities Assessment Framework 3.0

ClimateSmart Cities Assessment Framework (CSCAF) 3.0 is a flagship initiative by the Smart Cities Mission under the Ministry of Housing and Urban Affairs. The framework will support Indian cities to assess their development from a climate lens across 5 thematic areas and 28 indicators. The intent of CSCAF is to inform cities to build relevant climate actions.

As a part of the assessment, City Nodal Officer has reached out to your department to collect the necessary data for the same. Please fill the required data in the given format for your city. Ensure to sign and stamp the document.

Urban Planning, Green Cover and Biodiversity



MaximumScore:Total score for the indicator is 100. Cities are marked in 5 levels with scores ranging from 0-100. In this indicator the level 3 and 4 have been merged taking into consideration the initiation of rejuvenation work and allocation of budget that goes hand in hand. Out of the total 50 marks allocated, cities will receive incremental scores ranging from 1-25 based on the evidence(s) provided for actions initiated. Similarly, for evidence(s) provided on fund allocation and expenditure for the actions, cities will receive another 1-25 marks. Finally, cities scoring a total of >25 and >50 marks will be considered in level 3 and level 4 respectively.

water decreases the dependence on energy for pumping purposes. Open spaces, namely recreational spaces, planned greens and green buffer zones (as per URDPFI Guidelines 2014) in any city play a critical role in terms of climate mitigation and adaptation aspects by decreasing local temperature and help recharge groundwater. Increase in build-up areas and decrease of water bodies and open spaces lead to an increase in the local temperature within a city.

from concerned department/ agencies. The area within the municipal boundary has to be considered. This figure has to be compared with the existing masterplan (percentage and area).

Developing an urban heat island map along with the informed actions taken by the ULBs/Planning authorities for combating urban heat island, and for increasing rejuvenated and conserved water bodies and open areas, will be useful in assessing the implementation status of such projects and its effectiveness.

Has city allocated any bodies and open areas	financial resource ?	s for rejuvenation and conservation of urba	n water			
YES NO	D					
Please provide the follo	owing evidences i	f you have responded YES to the question al	oove.			
	h supporting docu	nd conservation of water bodies and open spanents: photographs, proof of contracts, etc d at level 2.				
Please provide the details rejuvenation of water bodi		ns/description of projects initiated for con paces:	servation or			
Conservation and/or rejuvenation actions	Department/ Agency	Status (Planning, implementation, completed)	Cost of Project (INR)			
Dhobia Talab	Nagar Nigam, Hazaribag	Planning Implementation Completion	3.51 Crore			
Khajanchi Talab	Nagar Nigam, Hazaribag	Planning Implementation Completion	1.62 Crore			
Renovation of Various Talab (1.Belahi Pond, 2.Hurhuru Pond, 3. Jabra Pond, 4. Kalondri Pond, 5. Het Tota Pond)	Nagar Nigam, Hazaribag	☐Planning ☑Implementation ☐Completion	1 Crore			
Charwa Dam	Nagar Nigam, Hazaribag	☐Planning ☑Implementation ☐Completion	1 Crore			
	Nag ar Nigam , H azariba g	Planning Implementation Completion				
This is to certify that the data above are for Urban Planning , Green Cover and Biodiversity —Indicator 1 (Rejuvenation and Conservation of Water Bodies and Open Areas)in the ClimateSmart Cities Assessment Framework. This data has been received from (please fill department/agency) and are certified to be correct.						
Authorized Signatory (municipal commissioner, city engineer, smart city CEO or responsible authority):						
		Signature				
		Designation:	_			
		Designation:	η			
In case of queries, reach out to the nodal off Stamp of the Department .						