

SECTOR WISE TEMPLATE: GREEN SPACES AND PARKS

The objective of this template is to assist ULBs in preparation of SLIP for Green Space and Parks component for rejuvenation of at least one park in each of the 500 Urban Local Bodies (ULBs) involving creation and upgradation of basic elements, especially for the youth, children and the elderly. Rejuvenation also includes involving local citizens and groups in the maintenance and upkeep of the park in order to make the development sustainable. Cost of this component will be met from the 2.5 per cent annual allocation for development of parks under the Mission and used in accordance with its Guidelines. (Refer AMRUT Guidelines: Section 5.1 Sr.No.6, 6.7 & Annexure-1 Sr.No.4) SLIP would involve write up on following sections:

1. **Assess the Service Level Gap**

First and foremost aspect of SLIP is to assess the existing situation and service levels gaps for organised Green Space and Parks based on standards prescribed in URDPFI Guidelines (Refer AMRUT Guidelines; Para 3.1.6 & 6.2). This shall also include describing existing institutional framework vis-à-vis development and maintenance of organised green space/ parks. In order to assess the service level gap the City shall have to review all policies, plans; scheme documents etc., hold discussions with concerned officials and citizens, as per the requirement and conduct physical assessment of city parks to understand the current status (Refer Indicative Parks Assessment Tool as given in Annex-1 of this document). The city should undertake overall assessment of Parks and Open/ Green Space in terms of a) Physical Activities Resources, b) Family Facilities including child friendly play equipment's, c) Available General Services and Facilities, and, d) Aesthetics and other

While discussing about the existing status of the organised green space in your city make a sincere effort to analyze the proportion of area under the categorization of parks as per URDPFI Guidelines eg: Housing Area Park (HAP), Neighbourhood Park (NP) Community Park (CP), District Park (DP), and Sub-City Park (SCP). Also focus on qualitative aspects of existing parks like geographical distribution across the city, encroachments, child and elderly friendly features; staffing, maintenance & equipment issues; and maintenance by RWAs/ Corporates under their CSR Activities etc.

Please respond to the questions given below (Word Limit: 800 words).

- What are the available data sources/ plans/ reports/ schemes that exists as regards development and maintenance of parks?
- Review the recommendation on open/ green space as per Master Plan/ Development Plan and map existing green cover against the same. Identify the areas where there is deficiency of open/green space
- Does the ULB follow URDPFI Guidelines to categorize its organised greens/ parks/ open space or follow its own categorization? If ULB follow its own categorization, what is the rationale and how well they are interlinked to development of parks?
- What is the per person open space availability in the city in general?

Table 1: Service Level Status

Sr. No	Indicators	Present Status	Benchmark	Source	Reliability Factor
1	Per Person Open Space in Plain Areas as per URDPFI	(..... To be filled by ULB)	10-12 sq. m. per person	(Drop Down menus: 1. Masterplan/ Development Plan 2. City Development Plan 3. Physical Assessment 4. Assessment through Satellite Imagery/ Aerial Photography Others (Pl. Specify)	(Drop Down menus: 1. High – A 2. Intermediate – B Low - C

Source: URDPFI – 2014 & Analysis of ULB Level Data

- Have the ULB/ City prepared park wise inventory of facilities and amenities? (ULB should identify some of the quick-win parks, which could be developed with minimal intervention that can attract good number of citizens)
- How is the physical condition of parks in the city? Do they have boundary wall, fenced area, facilities of public conveniences, tubewell/ piped water supply, dustbins etc. (Mention in proportions, if possible)
- Whether parks have well planned play area encouraging physical activity? Are they equipped with child friendly play equipments, snack/ ice cream parlours/ kiosks etc. (Mention in proportions, if possible)

- How well aesthetics component have been built in parks of your city? Are they well illuminated, landscaped – manicured with waterbodies/ fountains etc. wherever possible? (Mention proportions, if possible)
- Are there some running schemes/ projects – Central/ State/ Donor funded in the city as regard development of parks/ open spaces? Or else ULB is funding park development of parks/ green space out of its own budget?
- Explain the process how a park/ open space is normally shortlisted for development? Does the city have rationale for park selection for development or it is done on ad-hoc basis.
- List the organizations/ authorities/ private sector firms etc. and describe their roles and responsibilities in development of city parks/ open space along with green area under their jurisdiction.
- Where can new parks be developed in the future; how much space may be available;
- How much is allocated under Parks/ Open/ Recreational space as per the DP or Master Plan for new areas?
- Who manages the parks in the city? How much delegation of responsibility has been given to RWAs and/or NGOs?
- Which parks have uneasy accessibility issues or get flooded/water logged etc.?
- Does the ULB have any guidelines for providing safe and secure access to parks for children and elders?
- Is there a system for preventing the entry of animals into parks?
- Does the city have any guidelines for horticulture: types of trees and plants, etc?

Table 2: Jurisdiction wise – Allocation of Green Space and Parks

Sr. No.	Jurisdiction	No. of Parks	Area of Parks (in sq.m.)	Proportion (in %age)
1	ULB			
2	Development Authority			
3	Private Ownership – Corporate/ NGOs			
	Total			

Source: Analysis of ULB Level Data

Table 3: Hierarchy of Organised Greens in the City (As per URDPFI -2014)

Sr. No	Category	No. of Parks	Area under the Category (In sq.m.)	% Area under Parks/ Open Space
1	Housing Area Park (HAP) (Less than 5,000 sq.m.)			
2	Neighbourhood Park (NP) (5,000 -10,000 sq.m.)			
3	Community Park (CP) (10,000 - 50,000 sq.m.)			
4	District Park (DP) (50,000 – 2,50,000 sq.m.)			
5	Sub-City Park (SCP) (2,50,000 sq.m. & above)			
	Total			

2. Bridging the Gap

Once the gap between the existing Service Levels is computed, list out initiatives undertaken in different ongoing programs/ projects/ master – development plans to address these gaps. While bridging the gaps convergence with other ongoing Central, State and Local Government Programs/ Schemes will also be looked into. Based on above, objectives will be developed to bridge the gaps (AMRUT Guidelines; Para 6.3, Annexure-2; Table 2.1). Each of the identified objectives will be evolved from the outcome of physical assessment of parks using “Assessment Tools for Parks” (Refer Annex-1 of this document) and meeting the opportunity to bridge the gap.

As per para 5.1 (Sr.No.6) of AMRUT guidelines all projects involving development of green spaces & parks shall have to make special provision for child friendly components and establish a system of maintenance with local residents participation. At least one park from each of the 500 ULBs under AMRUT would be taken up for developing facilities for Children, Youth and Elderly.

Assessment of the current status of City parks/ open spaces would clearly bring out the gap/ dearth of open spaces in terms of area allocation, having inadequate citizen friendly

features and issues pertaining to its maintenance. And these will lead to formulation of three broad objectives.

Please respond to the following questions in not more than 500 words.

- Have the city took physical assessment of city parks? (ULB's may refer Annex-1 indicative procurement of this document).
- Estimate the demand gap of open/ green space in the city as per the URDPFI norms.
- Explain how the city plans to fill the gap in green cover and progressively enhance green cover within City to 15% over next 5 years.
- Assess and describe, if requisite provisions as per Master Plan and other State legislation have already been made?
- Explain the city's action plans to make special provisions for installing child friendly components in the city parks as per AMRUT Guidelines.
- Provide details of the initiatives undertaken in different ongoing programs and projects to address the gaps in enhancing the green cover and rejuvenation/ development of parks. Provide information in Table 4.

Table 4: Status of Ongoing/ Sanctioned/ Committed Projects

Sr. No.	Name of Project	Scheme Name	Cost in Rs Cr.	Schedule d Month of Completion	Status (as on dd mm yy)

Objectives

Based on above, objectives will be developed to bridge the gaps. Frame a set of 2-3 objectives to meet the gap in not more than 75 words.

3. Examine Alternatives and Estimate Cost

Suggest alternatives/ options to complete the ongoing projects pertaining to developing parks and green spaces. Identify quick-win parks and open space which can also have play area and associated facilities for Children, Youth & Elderly. Also identify & describe the prevailing models of parks development & maintenance in your city? Any new model your city wishes to adopt? (Word Limit: 200 Words)

Table 5: Cost Estimates for Park Development

S. No	Component	Rate	Amount in Rs.Cr
1			
2			
3			
4			
	Grand Total		

Source: Cost Analysis

As per AMRUT guidelines half of Rs._____ Cr. may be sought from Government of India under the scheme and balance could be explored and converged from other sources like 14th Finance Commission, State Government (Park Development Fund) and CSR Activities of Corporate Groups active in the City.

4. Citizen Engagement

ULBs will organize and conduct city level citizen consultation and receive feedback on the suggested alternatives and innovations. Each alternative pertaining to development and maintenance models for parks will be discussed with citizens and activities to be taken up will be prioritized to meet the service level gaps. ULB will prioritize these activities and their scaling up based on the available resources. (Refer AMRUT Guidelines; Para 6.6, 6.7 & 7.2). Please explain following questions detailing out the needs, aspirations and wishes of the local people. (Word Limit: 250 Words)

- Has all relevant stakeholders groups been involved in the consultation?
- Explore option for O&M Contracts including PPP with (RWAs/ Citizens Groups/ Corporate Groups – CSR, Selling advertisement rights etc.).
- Explain how the city plans to establish a system of maintenance with active citizen's engagement as per AMRUT Guidelines.
- Has ward/ zone level consultations held in the city?
- Has alternatives explored are crowd sourced?
- What is feedback on the suggested alternatives and innovations?
- Has alternative taken up for discussions are prioritized on the basis of consultations?
- What methodology adopted for prioritizing the alternatives?

5. Prioritize Projects

Based on the citizen engagement, ULB will prioritize these activities and their scaling up based on the available resources to meet the respective objectives. While prioritizing projects, please reply following questions (Word Limit: 100 Words)

- What are the sources of funds?
- Has projects been converged with other program and schemes?

- Has projects been prioritized based on “more with less” approach?

6. **Conditionalities**

Describe the Conditionality's of each project in terms of availability of land, environmental & social obligation and clearances, required NOC, financial commitment, approval and permission needed to implement the project. Required approvals will be sought from competent authority and organizations. (Word Limit: 100 words)

7. **Resilience**

The resilience factor would be built in to ensure environmentally sustainable, safe and secured park development schemes. Ensure use of rust free sturdy steel structures for child and elderly friendly features. (Word Limit: 100 words)

8. **Financial Plan**

Once the activities are finalized and prioritized after consultations, investments both in terms of capital cost and O&M cost has to be estimated. (AMRUT Guidelines; para 6.5) Based on the investment requirements, different sources of finance have to be identified. Financial Plan for the complete life cycle of the prioritized development will be prepared. (AMRUT Guidelines; para 4, 6.6, 6.12, 6.13 & 6.14). The financial plan will include percentage share of different stakeholders (Centre, State and City) including financial convergence with various ongoing projects. While preparing finance plan please reply following questions (Word Limit: 100 words)

- How the proposed finance plan is structured for transforming and creating infrastructure projects?
- list of individual projects which is being financed by various stakeholders ?
- Has financial plan prepared for identified projects based on financial convergence and consultation with funding partners?
- Is the proposed financial structure is sustainable? If so then whether project has been categorized based on financial considerations?
- Have the financial assumptions been listed out ?
- Does financial plan for the complete life cycle of the prioritized development?
- Does financial plan include percentage share of different stakeholders (Centre, State, ULBs and)
- Does it include financial convergence with various ongoing projects.
- Does it provide year-wise milestones and outcomes?

Details in financial plan shall be provided as per Table 2.7, 2.8, 2.9, 2.10 and 2.11. These tables are based on AMRUT guidelines tables 2.1, 2.2, 2.3.1, 2.3.2, and 2.5.

###

Annex-1: Indicative Assessment Tools for Parks

Assessment of Parks could focus on Basic Park Elements and Sub-elements such as:

1. **Physical Activity Resources:** Paved pathways, Kabaddi & Badminton courts, play area etc. encouraging physical activity.
2. **Family Facilities:** Child-friendly play equipment's, picnic spots, dustbins, park furniture – benches and garden tables, pathways / green areas with trees etc.
3. **General Services:** Boundary Wall/ Fenced Area, Public Conveniences, Tubewell/ Piped Water Supply (For watering and drinking water facilities), illumination, parking space & compost area (wherever possible), semi-pucca huts
4. **Aesthetics:** Enhancing overall park attractiveness by making attractive entry gates, illumination using LEDs, fountain area, landscaped manicured area, flower and shrubs, waterbodies with aquaculture (wherever possible), and, accessibility

(Element 1 & 2 should be undertaken on priority)

Name of the Park: _____ Name of Ward/ Zone: _____

Category of Park: _____ Area of Park (In sq.m.): _____

Sl. No.	Element	Sub-Element	Assessment Parameter	Response
1	General Space	Open/ Green space, landscaped area (manicured etc.), General areas for large organised social interaction.	Population Catered	_____ Persons
			Condition	_____ 1. Very Good 2. Good 3. Average 4. Bad
			Flatness	_____ 1. Completely Flat 2. Partially Undulating 3. Highly Undulating
			Proximity to Water Areas.	_____ 1. Yes 2. No
2	Paved Pathways	Existence and Surface	Existence	_____ 1. Yes 2. No
			Condition	_____ 1. Very Good 2. Good 3. Average 4. Bad
			Width	_____ metres
			Flatness	_____ 1. Completely Flat 2. Partially Undulating

Sl. No.	Element	Sub-Element	Assessment Parameter	Response
				3. Highly Undulating
			Obstruction	_____ <ul style="list-style-type: none"> 1. Yes 2. No
			Shaded Area	_____ <ul style="list-style-type: none"> 1. Yes 2. No
3	Water Areas	Water Areas (Shallow Waterbodies for children, ponds, streams, fountains)	Average Size	_____sq.m.
			Water Quality	_____ <ul style="list-style-type: none"> 1. Very Good 2. Good 3. Average 4. Bad
			Movement	_____ <ul style="list-style-type: none"> 1. Yes 2. No
4	Eating/ Drinking features	Drinking water facilities, picnic areas, vending. Tubewell/ Piped water, Space for Vendors – local snacks, ice cream kiosks.	Availability of Drinking features	_____ <ul style="list-style-type: none"> 1. Yes 2. No
			Supply Source	_____ <p>(if others then pl specify)</p> _____ <ul style="list-style-type: none"> 1. Piped Water 2. Underground Water – Hand pump 3. Others
			Availability of Eating features	_____ <ul style="list-style-type: none"> 1. Yes 2. No
			Condition	_____ <ul style="list-style-type: none"> 1. Very Good 2. Good 3. Average 4. Bad
			Flatness	_____ <ul style="list-style-type: none"> 1. Completely Flat 2. Partially Undulating 3. Highly Undulating
			Openness	_____ <ul style="list-style-type: none"> 1. 4 Sides Open 2. 3 Side Open 3. 2 Side Open 4. 1 Side Open 5. Congested Access
			Visibility	_____ <ul style="list-style-type: none"> 1. Easily Visible 2. Moderately Visible 3. Invisible
5	Facilities	Metallic Fence/ Boundary Wall, Theme based Entry Gate, Recreation Centre	Boundary Type	_____ <ul style="list-style-type: none"> 1. Pucca 2. Kuccha

Sl. No.	Element	Sub-Element	Assessment Parameter	Response	
		Shelters/ Pavilions/ Entertainment venue/ Stage/ Amphitheatre, Basic Illumination with designer lamps using LED lights, Parking Space, Compost Beds, Public Conveniences, Dustbins, Rain Water Harvesting structures for paved area wherever possible (for optimum utilisation of water),		3. Semi Pucca	
			Boundary Wall	_____ (if others then pl specify)	1. Concrete 2. Metallic Fence 3. Others
			Number of Entry Gates	_____	
			Material of Entry Gates	_____ (if others then pl specify)	1. Metallic Fence 2. Concrete 3. Wooden 4. Others
			Recreation Centre/ Amphitheatre/ Stage	_____	1. Yes 2. No
			If yes, Condition	_____	1. Very Good 2. Good 3. Average 4. Bad
			No. of Illumination Point (All)	_____	
			Whether Solar illumination being used	_____	1. Yes 2. No
			No. of Illumination Points (Solar)	_____	
			Parking Space	_____	1. Yes 2. No
			Public Convenience (Men)	_____	1. Yes 2. No
			Public Convenience (Women)	_____	1. Yes 2. No
			Availability of Dustbins	_____	1. Yes 2. No
			No. of Dustbins	_____	
		Availability of Compost Beds	_____	1. Yes	

Sl. No.	Element	Sub-Element	Assessment Parameter	Response
				2. No
			Availability of Rain Water Harvesting Facility	_____ 1. Yes 2. No
6	Sitting or Resting Features	Benches, Picnic Tables, Seat walls. Picnic shelters - Semi-Pucca/ Pucca Huts, (equipped with energy efficient solar panels & LED lights)	Availability of Benches	_____ 1. Yes 2. No
			No. of Benches	_____
			Availability of Picnic Tables	_____ 1. Yes 2. No
			No. of Picnic Tables	_____
			Availability of Semi-Pucca Huts	_____ 1. Yes 2. No
			No. of Semi-Pucca Huts	_____
			Whether Huts are Illuminated	_____ 1. Yes 2. No
Whether Solar Panels used for Illumination	_____ 1. Yes 2. No			
7	Landscaping	Flowers, shrubs/ bushes, landscaping, manicured garden and compost beds. Play Squares/ Circle integrated with fountains, sculptors of personalities, Drawing wall for children, Illumination, Garden Clocks.	Variety	_____(Pl. Specify)
			Colour	_____(Pl. Specify)
			Condition	_____ 1. Very Good 2. Good 3. Average 4. Bad
8	Play Set/ Structures (for Children)	General play set, soft ball play area, thing to hang from, slide down, climbing, descending and standing features, swings, blacktop, spring, toys, imaginary play structures, hanging sets – sea saw etc.	Openness	_____ 1. 4 Sides Open 2. 3 Side Open 3. 2 Side Open 4. 1 Side Open 5. Congested Access
			Visibility	_____ 1. Easily Visible 2. Moderately Visible 3. Invisible
			Shaded Area	_____ 1. Yes 2. No
			Condition	_____ 1. Very Good 2. Good 3. Average 4. Bad

Sl. No.	Element	Sub-Element	Assessment Parameter	Response
			Levelness	_____ <ol style="list-style-type: none"> Easy accessibility for Children Uneasy access for Children
			Colourfulness	_____ <ol style="list-style-type: none"> Yes No
9	Play Area (for Adolescent)	Badminton courts, Kabaddi area, kite flying, flying discs, soft ball tossing area etc. Should be safe & secured for children (High tension line/ transformer must be relocated)	General Play Area (Kite flying, flying disc, soft ball toss area etc.)	_____ <ol style="list-style-type: none"> Yes No
			Badminton Court	_____ <ol style="list-style-type: none"> Yes No
			Kabaddi Area	_____ <ol style="list-style-type: none"> Yes No
			Condition	_____ <ol style="list-style-type: none"> Very Good Good Average Bad
			Drainage	_____ <ol style="list-style-type: none"> Properly Drainage Improper Drainage Mostly Inundated/ Flooded

Table 7: Master Service Levels Improvements during Mission Period

(As per Table 2.2 of AMRUT guidelines)

(Amount in Rs. Cr)

Sr. No.	Project Name	Physical Components	Change in Service Levels			Estimated Cost
			Indicator	Existing (As-Is)	After (To-be)	

Table 8: Annual Fund Sharing Pattern for Projects w.r.t to Park Development

(As per Table 2.3.1 of AMRUT guidelines)

(Amount in Rs. Cr)

Sr. No.	Name of Project	Total Project Cost	Share				
			GOI	State	ULB	Others	Total
	Total						

Table 9: Annual Fund Sharing Break-up for Projects w.r.t to Park Development
 (As per Table 2.3.2 of AMRUT Guidelines)

(Amount in Rs.Cr)

Sr. No.	Project	Gol	State			ULB			Convergence	Others	Total
			14 th FC	Others	Total	14 th FC	Others	Total			
1											
2											
3											
4											
5											
	Total										

Table 10: Year wise Plan for Service Levels Improvements
 (As per Table 2.5 of AMRUT guidelines)

Proposed Projects	Project Cost	Indicator	Baseline	Annual Targets (Increment from the Baseline Value)					
				FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
				H1	H2				
Park Development									