

MUNICIPAL CORPORATION, AMBIKAPUR, SURGUJA (C.G.)
TEMPLATE FOR SERVICE LEVEL IMPROVEMENT PLAN (SLIP)
GREEN SPACE AND PARKS

1. Assess the Service Level Gap

First and foremost aspect of SLIP is to assess the existing situation and service levels gaps for organized Green Space and Parks based on standards prescribed in URDPFI Guidelines and National Building Codes (Refer AMRUT Guidelines; Para 3.1.6& 6.2). This shall also include describing existing institutional framework vis-à-vis development and maintenance of organized 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). The city should undertake overall assessment of Parks and Open/ Green Space in terms of a) available general services and facilities, b) Physical Activities resources, c) family facilities including child friendly play equipment's, 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:500 words).

- What are the available data sources/ plans/ reports/ schemes that exists as regards development and maintenance of parks?

The source of base line information for green space and park are available on city development plan and master plan of the city horizon year 2021. Data of existing gardens in the town area is also available in Municipal records. There is only two gardens in the town one of them Sargoan garden is developed and maintained by Municipal corporation and other Sanjay Park is developed and maintained by forest department.

- Review the recommendation on open/ green space as per Master Plan/ Development Plan and map existing green cover against the same.

The area of Sorgaon garden is about 15.00 acre in this area landscaping, plantation, Footpath, Open air theater, water fountain, canteen, toilets, food zone, playing zone, flower zone are available and maintained up to satisfactory level. The area of Sanjay Park is about 25.00 acre this garden is surrounded by the forest, in this garden the facilities of walking ways, water fountain, playing equipments, canteen, sky walk, toilets area available and maintained up to satisfactory level.

- 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?

ULB follows the master plan guideline to categorize it's for organized greens park spaces in different area of town small green zone and city area park has been proposed for construction.

- What is the per person open space availability in the city in general and within built-up areas?

Table 1: Service Level Status

Sr. No.	Indicators	Present Status	Benchmark
1	Per Person Open Space in Plain Areas as per URDPFI	Present service level status of this sector is not available. SLB study will be taken up in this year and included in next year's SLIP. However one park per year has been taken up as per mission guidelines.	10-12 sq.m. per person
2	Per Person Open Space in Built-Up Areas as per National Building Code (NBC)		3 sq.m. per person

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)

Yes. The ULB has prepared park wise inventory of existing facilities and amenities ULB has indentified some areas for development of housing area park and Community Park in the town. They can attract good number of citizen.

- How is the physical condition of parks in the city? Do they have boundary wall, fenced area, facilities of public conveniences, tubewell, dustbins etc. (Mention in proportions, if possible)

Both the parks in the city Sorgaon park and Sanjay Park have boundary wall and public conveniences, drinking water facilities, dustbins, playing equipments etc.

- 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)

Yes. Both the park of the town have well planned playing area to increase physical activities and there equipped with kids play equipments, canteen and other services.

- How well aesthetics component have been built in parks of your city? Are they well illuminated, landscaped – manicured with water bodies/ fountains etc. wherever possible? (Mention proportions, if possible)

Both the parks in the city area properly developed illuminated, landscaped and having water bodies fountains etc. in running conditions.

- 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?

There is running scheme / projects in the city regarding development of parks / green spaces.

- 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.

The Sanjay park is developed by forest department since more than 30 years back as per green area defined in forest record and other sorgaon

garden is developed by ULB according to availability of land in other and of the town. The newly identified area for development of green zones are situated in different locations of the town as per availability of land for this purpose.

- 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.

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	01	60,700.00	
2	Forest	01	1,00,000.00	
3	Private Ownership – Corporate/ NGOs	-		
	Total	02	1,60,700.00	

There is not any park / Garden developed or maintained by organization / authority / Privet sector firm in the town.

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).
Yes. The took physical assessment of garden in the city regarding various components available in the gardens.
- Try estimating demand gap of open/ green space in the city as per the URDPFI norms and space requirement as per NBC code.
The population of town as per census 2011 is 125392 and on the basis of URDFI guidelines 10- 12 sqm. per parson area ie. 12,53,920.00 sqm. (125.00 Hect.) is required for green spaces in town. Present service level status of this sector is not available. SLB study will be taken up in this year and included in next year's SLIP. However one park per year has been taken up as per mission guidelines.
- 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.
To fill the gap in green cover area ULB has proposed to developed 06 city park in the different zone of town and development of green zones in the colonies and development of community park in residential areas and also to developed road side landscaping in some part of the town.
- Assess and describe, if requisite provisions as per Master Plan and other State legislation have already been made?
To meet out the requirement of green spaces has been already provided in master plan of the city and identification of lands in defined green zone areas is in progress. For development of Community Park and city park the land has been identified by ULB.
- Explain the city's action plans to make special provisions for installing child friendly components in the city parks as per AMRUT Guidelines.
The provision for installing child friendly components in the city park has been also considered in the planning for development of city park.
- Explore option for O&M Contracts with (RWAs/ Citizens Groups/ Corporate Groups - CSR). Explain how the city plans to establish a system of maintenance with active citizens engagement as per AMRUT Guidelines
The city is planning to form the group of senior citizens and neighborhood groups having hobby for gardening for O&M of community parks. The city level park can be maintained through CSR activities.
- List out initiatives undertaken in different ongoing programs and projects to address the gaps in enhancing the green cover. For this provide details of ongoing projects being carried out under different schemes with status and when the existing projects are scheduled to be completed? Provide information in Table XX.

Table XX: Status of Ongoing/ Sanctioned

Sr. No.	Name of Project	Scheme Name	Cost in RsLakhs	Month of Completion	Status (as on dd Month 2015)
-	-	-	-	-	-

Objectives

Based on above, objectives will be developed to bridge the gaps. While developing objectives following question shall be responded so as to arrive at appropriate objective.

- Please provide a set of 2-3 objectives to meet the gap in not more than 100 words.

To bridge the gap regarding green spaces / parks in the town ULB has planned to developed 06 city park, Community park, neighborhood park it the different zones of the town along with all necessary infrastructure kids playing equipments and boundary wall/ fencing.

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. (Word Limit: 100 Words)

Regarding development of green zone / Park in the town area we have some fenced campus for this purpose we can developed this in first stroke. ULB is preparing some project for state sponsored Puspwatika Yojana in which we can develop some other green zone / Park along with play area and associated facilities for children youth and senior citizen.

4. Citizen Engagement

ULBs will organize and conduct city level citizen consultation and receive feedback on the suggested alternatives and innovations. Each alternative 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. (AMRUT Guidelines; Para 6.6, 6.7 & 7.2). Please explain following questions in not more than 200 words detailing out the needs, aspirations and wishes of the local people. (Word Limit: 100 Words)

- Has all relevant stakeholders groups been involved in the consultation?
Yes. First phase of citizen consultation "Citython" has been completed all the stake holder were involved in this consultancy.

- Has ward/ zone level consultations held in the city?
Yes, the ward wise citizen consultation has been completed in the month of August 2015
- Has alternatives explored are crowd sourced?
Will start crowd sourcing soon.
- What is feedback on the suggested alternatives and innovations?
During the citizen consultation most of the citizen has suggested for the concept what we have adopted.
- Has alternative taken up for discussions are prioritized on the basis of consultations?
Yes.
- What methodology adopted for prioritizing the alternatives?
For the prioritizing the alternatives of project objectives different financial / technical aspect of the project has been considered.

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?
Govt. of India and State Govt grant
- Has projects been converged with other program and schemes?
Yes. can be converged with state sponsored Puspwatika Yojana of state Govt.
- Has projects been prioritized based on “more with less” approach?
Yes. It is the requirement of the town and will prioritize it 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. (Word Limit:100 words)

Identification of land has been done for first phase of project. ULB is processing for land related issues and other required NOCs other necessary clearances and NOCs will be obtained after finalizing the source of fund.

7. Resilience

Required approvals will be sought from competent authority and organizations. The resilience factor would be built in to ensure environmentally sustainable, safe and secured park development schemes. (Word Limit:100 words)

All the required approvals will be obtained before the commencement of project form competent authority. Under this project we will ensure for environmentally sustainable safe and secured park / Green zone development scheme.

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?

Financial plan will be as per the guidelines of Govt. of India and State Govt.

- List of individual projects which is being financed by various stakeholders ?

Till to date not any project has been financed by stakeholders.

- Has financial plan prepared for identified projects based on financial convergence and consultation with funding partners?

Yes. The Municipal Corporation has its own budgetary provision to take the grants from Govt. of India and State Govt. for project.

- Is the proposed financial structure is sustainable? If so then whether project has been categorized based on financial considerations ?

Yes.

- Have the financial assumptions been listed out ?

- **Yes. The grant will be beard by Govt. of India and State Govt.**

- Does financial plan for the complete life cycle of the prioritized development?

Yes. It is made for overall project period.

- Does financial plan include percentage share of different stakeholders (Centre, State, ULB)

Yes. As per the guidelines of GOI

- Does it include financial convergence with various ongoing projects.

Yes.

- Does it provide year-wise milestones and outcomes?

Yes.

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.

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Annex-1: Indicative Assessment Tools for Parks (Indicative – ULBs can have its own assessment tool as per the requirement or customize this tool to suit its need)

Name of the Park: **Sargaon Park** Name of Ward: **05**

Category of Park: **City Park** Area of Park (In sq.m.): **60,700.00**

Sl. No.	Element	Sub-Element	Assessment Parameter
1	General Space	Open/ Green space, landscaped area (manicured etc.), General areas for large organised social interaction.	Average area- 15000 Sqm. , Flatness- Flat and Proximity to water areas- 5000.00 Sqm.
2	Paved Pathways	Existence and Surface	Condition- Good, Width- 4.50 Mts. Avg., Flatness- Flat, Obstruction - No.
3	Water Areas	Water Areas (Shallow Water bodies for children, ponds, streams, fountains)	Average size- 5000.00 Sqm., Water quality- Normal, and Movement.
4	Eating/ Drinking features	Drinking water facilities, picnic areas, vending. Tube well, Space for Vendors – local snacks, ice cream kiosks.	Available in good conditions, open and visible
5	Facilities	Metallic Fence/ Boundary Wall, Theme based Entry Gate, Recreation Centre 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),	Available and good conditions.
6	Sitting or Resting Features	Benches, Picnic Tables, Seat walls. Picnic shelters - Semi-Pucca/ Pucca Huts, (equipped with energy efficient solar panels & LED lights)	Available and good conditions and comfortable.

Sl. No.	Element	Sub-Element	Assessment Parameter
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.	Mix Variety and Colour full , and good condition
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.	Open Visible, good condition
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)	Pratley available.

Name of the Park: Sanjay Park

Name of Ward: 06

Category of Park: **City Park**

Area of Park (In sq.m.): **1,00,000.00**

Sl. No.	Element	Sub-Element	Assessment Parameter
1	General Space	Open/ Green space, landscaped area (manicured etc.), General areas for large organised social interaction.	Average area- 50000 Sqm. , Flatness- Flat and Proximity to water areas- 10000.00 Sqm.
2	Paved Pathways	Existence and Surface	Condition- Good, Width- 4.50 Mts. Avg., Flatness- Flat, Obstruction - No.
3	Water Areas	Water Areas (Shallow Water bodies for children, ponds, streams, fountains)	Average size- 10000.00 Sqm., Water quality- Normal, and Movement.
4	Eating/ Drinking features	Drinking water facilities, picnic areas, vending. Tube well, Space for Vendors – local snacks, ice cream kiosks.	Available in good conditions, open and visible
5	Facilities	Metallic Fence/ Boundary Wall, Theme based Entry Gate, Recreation Centre 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),	Available and good conditions.
6	Sitting or Resting Features	Benches, Picnic Tables, Seat walls. Picnic shelters - Semi-Pucca/ Pucca Huts, (equipped with energy efficient solar panels & LED lights)	Available and good conditions and comfortable.
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.	Mix Variety and Colour full , and good condition
8	Play Set/	General play set, soft ball play	Open

Sl. No.	Element	Sub-Element	Assessment Parameter
	Structures (for Children)	area, thing to hang from, slide down, climbing, descending and standing features, swings, blacktop, spring, toys, imaginary play structures, hanging sets – sea saw etc.	Visible, good condition
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)	Pratley available.

Estimate of cost for green spaces required to meet out the service level gap

Rs. in cr

S.N.	ITEM	Area in Hect.			Unit	Rate	Amount
		Total area required as per MoUD Guidelines	Total Green area available in the town	Net area to be developed to meet out the gap			
1	2	3	4	5	6	7	8
1	Development of green spaces / Garden/ Parks including boundary wall, fenced area, Public conveniences, water supply, Dustbin, child friendly plyaing, equipments, Snkak / Ice creem Parlou, landscap, garden, water bodies, fountains etc. complete.	-	-	-	-	-	-
	Project - 01	-	-	-	-	-	0.86
	Project - 02	-	-	-	-	-	1.72
	Project - 03	-	-	-	-	-	1.72
	Total	-	-	-	-	-	4.30

Table 1.7 Master Plan of Green spaces project.

(As per Table 2.1 of AMRUT guidelines)

(Amount in Rs. Cr)

Sr. No.	Project Name	Priority number	Year in which to be implemented	Year in which proposed to be completed	Estimated Cost
1	Development of green spaces	01	2015-16	2015-16	0.86
2	Development of green spaces	02	2016-17	2016-17	1.72
3	Development of green spaces	03	2017-18	2017-18	1.72
Grand Total					4.30

Table 1.8 Master Service Levels Improvements during Mission Period

1.1 (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)	
01	Green spaces	Development of green spaces	Green spaces	-	-	4.30

Table1.9 Annual Fund Sharing Pattern for Green spaces project.

(As per Table 2.3.1of AMRUT guidelines)

(Amount in Rs. Cr)

Sr. No.	Name of Project	Total Project Cost	Share				
			GOI	State	ULB	Others	Total
01	Development of green spaces /01	0.86	0.43	0.26	0.17	-	0.86
02	Development of green spaces /02	1.72	0.86	0.52	0.34	-	1.72
03	Development of green spaces/03	1.72	0.86	0.52	0.34	-	1.72
	Total	4.30	2.15	1.30	0.85	-	4.30

Table 1.10 Annual Fund Sharing Break-up for Green spaces Projects

(As per Table 2.3.2 of AMRUT Guidelines)

Sr. No.	Project	Gol	State			ULB			Convergence	Others	Total
			14 th FC	Others	Total	14 th FC	Others	Total			
01	Development of green spaces /01	0.43	-	0.26	0.26	-	0.17	0.17	-	-	0.86
02	Development of green spaces /02	0.86	-	0.52	0.52	-	0.34	0.34	-	-	1.72
03	Development of green spaces /03	0.86	-	0.52	0.52	-	0.34	0.34	-	-	1.72
	Total	13.00		2.15	2.15	-	0.85	0.85	-	-	4.30

Table 1.11 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)					
				FY2016		FY 2017	FY 2018	FY 2019	FY 2020
				H1	H2				
Green Spaces									
	4.30	Green spaces	-	-	0.86	1.72	1.72	-	-

