

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

- 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 and within built-up areas?

The Corporation has prepared the Revised City Development Plan as per CDP guidelines (April 2013) issued by the Ministry of Urban Development which includes parks and open spaces.

It is important to note that there are many open spaces in Panaji, maidan, parks and squares, as a heritage of the Portuguese urban model. The green spaces in Panaji are managed and maintained either under CCP or Forest department of Government of Goa. There are 14 numbers of parks and 25 numbers of other lawns / landscaped traffic islands in the CCP area. They can be categorized as under

1. Small parks and gardens set along the traditional Street and Square pattern
2. A river front that runs along most of its length
3. A white sand beach at its west-tip
4. Large open maidans that are part of the current planning
5. No development zone along with the road that goes towards Old Goa.

As per the present land use pattern 0.80 km² of the city area is under parks and open spaces which is close to 10% of the total area. This suffices the minimum allocation of 10% as per urban and regional design plan formulation and implementation (URDPFI) guidelines. Open space availability is 19.96 sqm per person in the city.

Many of the parks are well maintained, however they are also underused. The main challenge lies in making them **useful, accessible and safe**. It is imperative that they are connected to each other and to the network of facilities through non-motorized routes. They have to form a **coordinated network that allows pedestrian access to all points of the city**.

Table 1: Service Level Status

Sr. No.	Indicators	Present Status	Benchmark
1	Per Person Open Space in Plain Areas as per URDPFI	20 sq.m per person	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: Revised CDP for Panaji 2014

- 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)

As part of the CDP, the list of parks has been prepared. However, the inventory of facilities and amenities has not been carried out so far. Azad Maidan has the potential to attract citizens if facilities are improved.

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)

- The parks in the city are maintained. Conveniences such as good public toilets, drinking fountains, dustbins and improved seating arrangements are required in almost all parks.
- Many of them are under used as they are surrounded by busy roads. It is important to make them more accessible and safe by linking them with proper walking/cycling paths and planned parking areas. For example, Ambedkar Garden near Bus stand.
- It is also observed that high compound walls restrict the people from using them desirably. For example: Municipal Garden. It is one of the oldest gardens in the city. The space adjoining it is completely wasted. It is important to redesign the adjoining areas in order to make them more pedestrian friendly, provide amenities and make this park more attractive.
- Quality standards of play equipments should be improved. For example: Joggers Park, Altinho and Children's Park, Miramar.

- Good maintenance of the equipments, grounds, plants are very important for park safety.

- 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)

There are planned play areas with equipments for children in the parks. The quality standards of these equipments need to improve. Facilities for outdoor gym/adult exercise station should be provided in the parks. Restrooms need upgradation. In some parks, provisions have to be made for changing rooms/restrooms.

- 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)

Parks are mostly well illuminated. However, maintenance of light fixtures is an issue.

Surveillance measures are required at the park.

Another problem is that the access to many of the parks are not well illuminated. There is scope of improvement to the design and landscape by adding more shade giving trees to the design.

- 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?

ULB is funding maintenance program of parks.

- 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.

Green spaces plan has been proposed in the Holistic Masterplan document.

- 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	16	0.80	
2	Development Authority	-	-	
3	Private Ownership – Corporate/ NGOs	-	-	
	Total	16		

Source: Analysis of ULB Level Data

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).
CCP has proposed to involve private sector in the development and maintenance of parks in the city in return for advertisement rights. Their scope will include undertaking of physical assessment, upgrading of facilities and maintenance. The proposal is due to be tendered.

- Try estimating demand gap of open/ green space in the city as per the URDPFI norms and space requirement as per NBC code.
Green cover is sufficient as per NBC requirement. However, they have to form a coordinated network that allows pedestrian access to all points of the city.
- 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.
Other than the parks, the riverfront is also a huge asset to the city which must be opened up to the citizens. This is a very attractive area with an incredible landscape that should be enhanced. It is proposed to develop a promenade along the riverfront, connecting and continuing loose segments of the existing promenade, aiming to turn it into one of the landmarks and tourist attractions of the city.
- It is also important to extract all the potential of the Santa Inez and Ourem creeks as urban green axes. It is intended to improve their environmental conditions and turn them into attractive public spaces for walking and leisure, linking recreational areas.
- The road from Mandovi bridge to Ribandar is flanked by the River on one side and the salt pans and mangroves on the other, through a unique landscape. It is planned to create a biodiversity park to conserve the local fauna and provide leisure space for the citizens as well as the tourists.
- Assess and describe, if requisite provisions as per Master Plan and other State legislation have already been made?
There is a Green Spaces masterplan as part of the Holistic masterplan document. CCP has also prepared an action plan document for parks in the city.
- Explain the city's action plans to make special provisions for installing child friendly components in the city parks as per AMRUT Guidelines.
Provisions have been outlined in the Holistic Masterplan which covers child friendly equipments, universal accessibility etc.
- 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
CCP has proposed to involve private sector in the development and maintenance of parks in the city in return for advertisement rights. Their scope will include undertaking of physical assessment, upgrading of facilities and maintenance. The proposal is due to be tendered.

- 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 3: Status of Ongoing/ Sanctioned

Sr. No.	Name of Project	Scheme Name	Cost in RsLakhs	Month of Completion	Status (as on dd Month 2015)
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No ongoing projects at present.

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.
 - Objectives
 - Provide more public and green spaces
 - Improve existing conditions with new quality standards.

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)

1. Upgradation of Azad Maidan – 2.23 CR

Project will include facilities such as tot lot, jogging track, benches, pavers, lighting improvement and landscaping. It is located in the city centre and once developed is expected to attract many citizens.

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

- Has ward/ zone level consultations held in the city?

Yes

- Has alternatives explored are crowd sourced?

Yes

- What is feedback on the suggested alternatives and innovations?

Facilities for upgraded child friendly equipments, improved accessibility, outdoor gym were well received by people.

- Has alternative taken up for discussions are prioritized on the basis of consultations?

Yes. Suggested alternatives had been taken and prioritized.

- What methodology adopted for prioritizing the alternatives?

Citizen accessibility and stakeholder meeting.

4. 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?

Source of funds will be through AMRUT.

- Has projects been converged with other program and schemes?

NO

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

YES

5. 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)

There will be no difficulty with respect to the conditionalities since the following reasons.

- The park proposed to be developed on the lands owned by this ULB.
- The park development project is a green project No environmental issues will arise.
- The ULB is capable of bearing its contribution as per the guidelines issued in this mission.

6. 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)

Resilience factors would be incorporated in the DPR once the project is approved as per AMRUT guidelines.

7. 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?

It is proposed to get funds from GOI 50% and State Government 50%.

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

At present O&M is under scope of CCP

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

Yes

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

The financial structure proposed for the implementation of the present project is sustainable. The project has been categorized based on the importance of the service level and financial considerations

- Have the financial assumptions been listed out?

Financial assumption has been made for the implementation of the proposed project that the project fund to be shared by the Gol and State.

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

Yes, the plan has been prepared for the life cycle of the project period.

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

The financial plan is prepared with the assumptions that 100% of the project cost will be shared by the stake holders as follows.

GoI share - 50%

State Government share - 50%

- Does it include financial convergence with various ongoing projects.

No Financial convergence with various ongoing projects

- Does it provide year-wise milestones and outcomes?

Yes, the year-wise milestones are tabulated below.

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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Table 2.7: SLIP –Master Plan of all projects to achieve universal coverage of parks during current Mission period

Name of City: Panaji

(FYs 2015-16 to 2019-20)

(As per Table 2.1 of AMRUT Guidelines)

SI. No	Project Name	Change in service levels			Estimated cost (Rs. in Crore)
		Priority Number	Year in which to be implemented	Year in which proposed to be completed	
		1	Upgradation of Azad Maidan	1	
	Total				2.45

Amount in Crores

Table 2.8: SLIP - Details of Prioritized Projects Proposed under AMRUT during current FY: Sector Wise

Name of City: Panaji

(FYs 2015-16)

(As per Table 2.2 of AMRUT Guidelines)

SI.No	Project Name	Physical components	Change in service levels			Estimated cost
			Indicator	Existing (As is)	After (to be)	
1.	Upgradation of Azad Maidan	Boundary wall Walkers path Pebble path Landscape Child friendly play equipments Street lighting Benches Public conveniences	Per Person Open Space in Plain Areas as per URDPFI (Benchmark) 10-12 Sq.m per person	20 Sq.m per person	20 Sq.m per person	2.45 Crore

Amount in Crores

Table 2.9: SLIP - Proposed Funding and Sharing Pattern for Priority Projects: Sector Wise

Name of City: Panaji

(FYs 2015-16)

(As per Table 2.3.1 of AMRUT Guidelines)

Sl.No.	Name of the project	Total Project cost	Share				
			Gol	State	ULB	Others	Total
1	Upgradation of Azad Maidan	2.45	1.225	1.225	-		2.45
	Total	2.45	1.225	1.225			2.45

Amount in Crores

Table 2.10: SLIP- Source of Funds from Gol/State/ULB (for all sectors and prioritized projects)

Name of City: Panaji

(FYs 2015-16)

(As per Table 2.3.2 of AMRUT Guidelines)

Sl.No.	Project	Gol	State			ULB			Convergence	Others	Total
			14 th FC	Others	Total	14 th FC	Others	Total			
1	Upgradation of Azad Maidan	1.225	-	1.225	1.225				-	-	2.45
	Total	1.225	-	1.225	1.225				-	-	2.45

Amount in Crores