

GREEN SPACES AND PARKS

ASHOKENAGAR-KALYANGARH MUNICIPALITY

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?

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1.1

*** Draft City Development Plan 2014-15 to 2018-19. Prepared 5 years City Development Plan for 2014-15 to 2018-19 under Municipal Affairs Department. While preparing the CDP, all the existing parks have been identified and open spaces has also been identified for development as parks/ landscaped gardens. At present the municipality has one park in Millennium Science Park, ward no. 8 on an area of 8.67 acres which is acting as a neighbourhood park and another park is namely Sanhati Park at ward no.-10 , aqrea 4.00 acres at our Ashokenagar-Kalyangarh municipal area,

- 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.

*** The areas where there is deficiency of open/green space Ward- No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23, Millennium Science Park & Sanhati Park. According to the CDP to increase no. of organized open spaces with basic infrastructure facilities, children's' play equipment etc. plans to develop a Eco park on 27.78 acres of land on both side of canal at ward no. 5,6,13,14,15.&22. 65% of the total area is covered with water body where boating and other water sports facilities can be proposed. The proposed Eco park will have facilities like landscaped garden, horticulture, pisci culture , hanging bridge ,cottage , picnic spot, seating arrangement, food kiosks, public convenience, children's' play equipment etc.

- Apart from the Eco park the municipality also plans to develop 25 no. of parks in different wards having open playground, drinking water facilities and seating benches.
- 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 follow its own categorization and development of parks done as per requirement. No terminologies are used for categorization of parks. ULB in general has two types of parks one having area greater than 2.5 acres which may be categorized as neighbourhood park and others having as citizens park.
- What is the per person open space availability in the city in general?
7.2 sq. m. per person

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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	8.50 sq.m. per person	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 3. Low - C
2	Per Person Open Space in Built Up Area as per National Building Code(NBC)	2.00 sq.m. per person	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 under mentioned parks can be developed for the said purpose.

1. Millennium Science Park
2. Sanhati Park.

Yes, the ULB has prepared park wise inventory of facilities and amenities for existing and proposed parks. The proposed Eco park with landscaped garden, boating and other basic amenities over 27.78 acres of land would attract a good number of citizens at the boundary of the ward no.5,6,13,14,15 & 22 under our Municipality.

- 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)

*** The existing park under ULB located at Radhachemical, Kalyangarh and Shivbari Sanhati Park is well maintained with boundary wall, public convenience, drinking water solid waste bins, food kiosks. But it is need some new different items of exhibits and children play equipments.

- 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)

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The parks do not have in majority well planned play area encouraging physical activity.

They are not sufficient well equipped with child friendly play equipments, snack/ ice cream parlors/ kiosks etc. The overall facilities for the parks mentioned above are given below :

child friendly play equipments : Insufficient

snack/ ice cream parlours/ kiosks : Insufficient

- 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)

***Aesthetics component is unavailable in parks of city. They are not well illuminated, landscaped – manicured with waterbodies/ fountains etc. The overall facilities for the parks mentioned above are given below:

Our ULB as far as possible tried to maintain aesthetic beauty of the parks/ gardens by water body beautification, boating, illumination etc. landscaped manicured with water bodies/ fountains : Insufficient

- 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 no running schemes/ projects.

- 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.

***A park/ open space is normally shortlisted for development where capital investment be lowest in respect of higher benefit to the citizen. The city have only rationale for park selection for development and it is requirement of citizen.

- 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.

***Here the ULB is the sole organization.

- Where can new parks be developed in the future; how much space may be available;

New parks will be developed in the future in the following places

- 1 TARUN SANGHA PARK, RABINDRA SANGHA PARK, TRISAKTI PARK, BANDHU MAHAL, UDAYAN SANGHA PARK, AMRA SABAI PARK USHA SANGHA PARK, JUBAK BRINDA PARK AT Ward No. 1;
- 2 SARAT BASU PARK, NAJRUL PARK, SUKANTA PARK, RABINDRA PARK, MOTHER TERESA PARK, SUBHAS PARK, BIDHAN PARK, JAGADISH BASU PARK AT Ward-2.
3. BELTALA PARK, DADASH PALLY PARK, 60' ROAD PARK, 11 NO. POND PARK NATTA PARA PARK AT Ward-3.
4. GITANJALI PARK, SWAMI BIVEKANANDA SISHU UDDYAN PARK, BINOY-BADAL-DINESH PARK, KHUDIRAM BASU PARK, CHITTARANJAN BASU PARK, MOTHER TERESA PARK AT Ward-4.

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5. DR. BIDHAN CHANDRA ROY SMRITI UDDYAN PARK, SWAMI BIVEKANANDA SMRITI UDDYAN PARK, RABINDRA SMRITI UDDYAN PARK , KAJI NAJRUL SMRITI UDDYAN PARK I, NETAJI UDDYAN PARK AT Ward-5
6. Ward-6
7. Ward-7
8. Ward-8
9. Ward-9
10. Ward-10
11. Ward-11
12. Ward-12
13. Ward-13
14. Ward-14
15. Ward-15
16. CHILDREN PARK, ANKUR PARK, JAGARANI PARK, ADARSHA BANABITAN PARK , BIVEKANANDA PARK, AT Ward-16
17. Ward-17
18. Ward-18
19. Ward-19
20. Ward-20
21. Ward-21
22. Ward-22
23. CHATRASAMITY PARK, SANTIGAR PARK, JUBASANGHA PARK, NEW ORLIENCE CLUB PARK, KHELAR ASHAR PARK, RABINDRA SRITI SANGHA PARK, JUBAKBRINDA KALIMANDIR PARK, PALLY UNNAYAN SANGHA PARK , MILANSANGHA PARK, SHIBMANDIR PARK, JANASEBAK SANGHA PARK AT Ward-23
24. Cannel water bodies

115000 sqm space will be available.

- How much is allocated under Parks/ Open/ Recreational space as per the DP or Master Plan for new areas?

Rupees 50(fifty) crore 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?

ULB manages the parks in the city.

Delegation of responsibility has not been given to RWAs and/or NGOs.

- Which parks have uneasy accessibility issues or get flooded/water logged etc.?

Boundary of the ward no.5,6,13,14,15

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- Does the ULB have any guidelines for providing safe and secure access to parks for children and elders?

The ULB have no guidelines for providing safe and secure access to parks for children and elders but parks are open to all.

- Is there a system for preventing the entry of animals into parks?

In majority there is no system for preventing the entry of animals into parks.

- Does the city have any guidelines for horticulture: types of trees and plants, etc?

No, the city does not 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 (insq.m.)	Proportion (in %age)
1	ULB	2	44163.57	0.0023
2	Development Authority	0	0	0
3	Private Ownership – Corporate/ NGOs	0	0	0
	Total	26	44163.57	0.0056

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.)	0	0	0
2	Neighbourhood Park (NP) (5,000 -10,000 sq.m.)	1	9368.03	0.0004
3	Community Park (CP) (10,000 - 50,000 sq.m.)	1	34795.54	0.0017
4	District Park (DP) (50,000 – 2,50,000sq.m.)	0	0	0
5	Sub-City Park (SCP) (2,50,000sq.m. & above)	0	0	0
	Total	2	44163.57	0.0021

2. Bridging the Gap

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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.
- Estimate the demand gap of open/ green space in the city as per the URDPFI norms.
Yes.
The demand gap of open/ green space in the city as per the URDPFI norms is 50.68 sq.m.per Person.
- 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.
The city plans to fill the gap in green cover and progressively enhance green cover within City to 15% over next 5 years and placed proposal in project section.
- Assess and describe, if requisite provisions as per Master Plan and other State legislation have already been made?
No.
- Explain the city’s action plans to make special provisions for installing child friendly components in the city parks as per AMRUT Guidelines.
Child friendly components are not just swings and parks but many aspects put together such as safe home, roads, enriching schools, safety from pollution, traffic and recreation. Child friendly components and child impact indicators on living conditions of young children in urban poverty need to be developed. Special effort will be taken to empower and make children’s lives better by providing them support to develop and implement ideas. Re/development of Parks will provides needs of children, involve children and people from community, include livelihood opportunities to create user based and self sustainable communities.
Therefore Child friendly components in the city parks as per AMRUT Guidelines have been opted first in the project proposals.

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- 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.	Scheduled Month of Completion	Status (as on ddmm yy)
1	NIL	NIL	NIL	NIL	NIL

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 75words.

1. Beautification and maintenance of the existing parks and gardens
2. Development of new recreational parks for children/youth and elderly.
3. Introduction of Green Zone in some dedicated spots.
4. Creation of adequate greenery in the available open spaces to arrest and counter pollution.
5. To aware the citizen on climate changes, its cause and effect.
6. Involving local citizens and groups in the maintenance and upkeep of the park in order to make the development sustainable

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) **There**

S. No.	Component	Rate	Amount in Rs. Cr
1.	Retaining Cum Boundary Wall with entry gate	Rs. 20,000 per M	4.87
2.	Fenced area	Rs. 1500 per M	0.79
3.	Water Supply	Rs. 1250 per Sqm	0.50
4.	Dustbins	Rs. 5000 per 100 Sqm	0.56
5.	child friendly play equipments including structures.	Rs. 1500 per Sqm.	1.60
6.	snack/ ice cream parlours/ kiosks	Rs. 800 Per Sqm.	0.52
7.	Illumination	Rs. 2200 Per Sqm.	1.18
8.	landscaped manicured with water bodies/ fountains &	Rs. 2400 Per Sqm.	0.46

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	Plantation.		
9.	Pathways, Parking space	Rs. 700 Per Sqm.	1.28
10.	Sitting & Resting features	Rs. 800 Per Sqm.	1.27
11.	Play courts for games	Rs. 300 Per Sqm.	0.53
12.	Protection works for natural water bodies	Rs. 3000 per Sqm.	0.25
	Grand Total		13.81

Table 5: Cost Estimates for Park Development

Source: Cost Analysis

As per AMRUT guidelines half of Rs.194.86 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?
All the relevant stakeholders groups have been involved in the consultation.
- Explore option for O&M Contracts including PPP with (RWAs/ Citizens Groups/ Corporate Groups – CSR, Selling advertisement rights etc.).
ULB does not have such concept at present.
- Explain how the city plans to establish a system of maintenance with active citizen's engagement as per AMRUT Guidelines.
The city plans to establish a system of maintenance with active citizen's engagement as per AMRUT Guidelines by decentralization of the activities.
- Has ward/ zone level consultations held in the city?
Yes, ward/ zone level consultations have been held in the city.
- Has alternatives explored are crowd sourced?
Alternatives has been explored are crowd sourced.
- What is feedback on the suggested alternatives and innovations?
Citizen appreciated on the suggested alternatives and innovations.
- Has alternative taken up for discussions are prioritized on the basis of consultations?

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Yes, alternative has been taken up for discussions are prioritized on the basis of consultations.

- What methodology adopted for prioritizing the alternatives?

Yes, projects been prioritized based on “more with less” approach.

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 sources of funds?
Sources of funds are Central Government (50% Share), State Government (45% Share) and Ulb (5% Share).
- Has projects been converged with other program and schemes?
There is no such project for convergence.
- Has projects been prioritized based on “more with less” approach?
Yes, 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)

For all the Projects, land will be available with the ULB, power requirement would be available from West Bengal State Electricity Distribution Company Limited, allstatutory clearances will be sought for as per requirement say from,Irrigation dept pollution Control Board etc. Approval & Permission from State Level Technical Committee/State High Powered Steering Committee will be taken.

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)

Adequate steps will be taken during design considering earth quake, storms, lightning etc. All structures especially current sensitive structures should be constructed above the reach of the visitors. There should be boundary wall and the park site will be selected in such a way so that no medium/high voltage line passes over the park.

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

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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?

As per AMRUT Guideline

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

Nil

- 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 ?

Yes

- Have the financial assumptions been listed out ?

Yes

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

Yes

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

Yes

- Does it include financial convergence with various ongoing projects.

NA

- 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

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, Horticulture, pisci culture water bodies with aquaculture (wherever possible), and, accessibility

(Element 1&2 should be undertaken on priority)

Name of the Park: Millennium Science Park & Sanhati park Name of Ward/ Zone: Ward No. 8,10

Category of Park: Community Park, Neighbourhood Park

Area of Park (In sq.m.): 44163.57 sqm.

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	6000 Persons
			Condition	*** <u>Average</u> _____ 1. Very Good 2. Good 3. Average 4. Bad
			Flatness	<u>___ Partially Undulating</u> _____ 1. Completely Flat 2. Partially Undulating 3. Highly Undulating
			Proximity to Water Areas.	*** <u>Yes</u> _____ 1. Yes 2. No
2	Paved Pathways	Existence and Surface	Existence	<u>___ Yes, but some portion will be renovated</u> 1. Yes 2. No
			Condition	Average 1. Very Good 2. Good 3. Average 4. Bad
			Width	1.5 metres and 2.5mtr
			Flatness	Partially Undulating

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Sl. No.	Element	Sub-Element	Assessment Parameter	Response
				1. Completely Flat 2. Partially Undulating 3. Highly Undulating
			Obstruction	No 1. Yes 2. No
			Shaded Area	Yes 1. Yes 2. No
3	Water Areas	Water Areas (Shallow Waterbodies for children, ponds, streams, fountains)	Average Size	8698.88sq.m.
			Water Quality	Very Good Very Good 1. Good 2. Average 3. Bad
			Movement	No 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	Yes_ 1. Yes 2. No
			Supply Source	<u>Piped Water</u> (if others then pl specify) _____ 1. Piped Water 2. Underground Water – Hand pump 3. Others
			Availability of Eating features	No 1. Yes 2. No
			Condition	<u>Average</u> 1. Very Good 2. Good 3. Average 4. Bad
			Flatness	Partially Undulating 1. Completely Flat 2. Partially Undulating 3. Highly Undulating
			Openness	<u>One side open</u> 1. 4 Sides Open 2. 3 Side Open 3. 2 Side Open 4. 1 Side Open 5. Congested Access
			Visibility	Easily Visible 1. Easily Visible 2. Moderately Visible 3. Invisible

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Sl. No.	Element	Sub-Element	Assessment Parameter	Response
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),	Boundary Type	Pucca 1. Pucca 2. Kuccha 3. Semi Pucca
			Boundary Wall	____Masonry____ _____ 1. Concrete 2. Metallic Fence 3. Others
			Number of Entry Gates	Yes, Four Nos..
			Material of Entry Gates	Metallic Fence (if others then pl specify) _____ 1. Metallic Fence 2. Concrete 3. Wooden 4. Others
			Recreation Centre/ Amphitheatre/ Stage	__no____ 1. Yes 2. No
			If yes, Condition	na _____ 1. Very Good 2. Good 3. Average 4. Bad
			No. of Illumination Point (All)	Different items
			Whether Solar illumination being used	1. Yes, 1. No
			No. of Illumination Points (Solar)	____two nos____
			Parking Space	__no____ 2. Yes 3. No
			Public Convenience (Men)	__Yes____ 1. Yes 2. No
			Public Convenience (Women)	_____ 1. Yes 2. No
			Availability of Dustbins	_yes, but not sufficient_____ 1. Yes 2. No
			No. of Dustbins	__Nil__

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Sl. No.	Element	Sub-Element	Assessment Parameter	Response
			Availability of Compost Beds	___No___ 1. Yes 2. No
			Availability of Rain Water Harvesting Facility	no 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	Yes but not sufficient 1. Yes 2. No
			No. of Benches	10 nos.
			Availability of Picnic Tables	___no___ 1. Yes 2. No
			No. of Picnic Tables	N.A
			Availability of Semi-Pucca Huts	___4no yes___ 1. Yes 2. No
			No. of Semi-Pucca Huts	Yes
			Whether Huts are Illuminated	___No___ 1. Yes 2. No
			Whether Solar Panels used for Illumination	___Yes___ 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	Seasonal flowers and all wether flowers
			Colour	Multi Colour
			Condition	___Good___ 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	___As per Guide___ 1. 4 Sides Open 2. 3 Side Open 3. 2 Side Open 4. 1 Side Open 5. Congested Access
			Visibility	___EV___ 1. Easily Visible 2. Moderately Visible 3. Invisible
			Shaded Area	___no___ 1. Yes 1. No
			Condition	N.A 2. Very Good 3. Good 4. Average 5. Bad

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Sl. No.	Element	Sub-Element	Assessment Parameter	Response
			Levelness	Easy accessibility for Children 1. Easy accessibility for Children 2. Uneasy access for Children
			Colourfulness	___ Yes ___ 1. Yes 2. 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.)	___ Yes. ___ 1. Yes 2. No
			Badminton Court	___ no ___ 1. Yes 2. No
			Kabaddi Area	___ no ___ 1. Yes 2. No
			Condition	N.A 1. Very Good 2. Good 3. Average 4. Bad
			Drainage	No 1. Properly Drainage 2. Improper Drainage 3. Mostly Inundated/ Flooded

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Table 6: MasterPlan of Projects w.r.t. Park Development for Mission Period

(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 (In Crore)
1.	Redevelopment of Millennium Science Park Sanhati Park	1 2	2016-17	2017-18	0.15 0.10
1.	TARUN SANGHA PARK & OTH. AT Ward No-1		2016-17	2017-18	0.20
2.	SARAT BASU PARK & OTH. AT Ward No-2	2	2016-17	2017-18	0.20
3.	SARAT BASU PARK & OTH. AT Ward No.3	3	2016-17	2017-18	0.20
4.	GITANJALI PARK & OTH. AT Ward No-4	4	2017-18	2018-19	0.20
5.	DR. BIDHAN CHANDRA ROY SMRITI UDDYAN PARK & OTH. Ward No-5	5	2017-18	2018-19	0.20
6.	Ward No-6	6	2016-17	2018-19	0.20
7	Ward No-7	7	2016-17	2017-18	0.20
8	Ward No-8	8	2016-17	2016-17	0.20
9	Ward No-9	9	2016-17	2018-19	0.20
10	Ward No-10	10	2016-17	2017-18	0.20
11	Ward No-11	11	2016-17	2017-18	0.20
12	Ward No-12	12			0.20

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13	Ward No-13	13	2016-17	2018-19	0.20
14	Ward No-14	14	2016-17	2017-18	0.20
15	Ward No-15	15	2016-17	2017-18	0.20
16	CHILDREN PARK & OTH. AT Ward No-16	16	2016-17	2018-19	0.20
17	Ward No-17	17	2016-17	2017-18	0.20
18	Ward No-18	18	2016-17	2017-18	0.20
19	Ward No-19	19	2016-17	2017-18	0.20
20	Ward No-20	20	2016-17	2017-18	0.20
21	Ward No-21	21	2016-17	2017-18	0.20
22	Ward No-22	22	2016-17	2017-18	0.20
23	CHATRASAMITY PARK & OTH. AT WARD NO-23.	23	2018-19	2019-20	0.20
24	Boundary Cannel Water Bodies	24	2018-19	2019-20	7.56
25	Millennium Sc.Park	25	2018-19	2019-20	0.80
26	Sanghati Park	26	2018-19	2019-20	0.70
Grand Total					13.81

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Table 7: Master Service Levels Improvements during Mission Period

(As per Table 2.2 of AMRUT guidelines)

Sr. No.	Project Name	Physical Components	Change in Service Levels			Estimated Cost(Amount in Rs. Cr)
			Indicator	Existing (As-Is)	After (To-be)	
1.	Redevelopment of Millennium Science Park Sanhati Park	Retaining Cum Boundary Wall with entry gate, Fenced area, Water Supply, Dustbins , child friendly play equipments including structures, snack/ ice cream parlours/ kiosks, Illumination, landscaped manicured with water bodies/ fountains& Plantation, Pathways, Parking space, Sitting & Resting features, Play courts ,Protection works for natural water games	Per Person Open Space in Plain Areas as per URDPFI	8.50 sq.m. per person	2.00 sq.m. per person	0.15 0.10
2.	Ward No-1		Per Person Open Space in Built Up Area as per National Building Code(NBC)			0.20
3.	Ward No-2		Per Person Open Space in Plain Areas as per URDPFI			0.20
4.	Ward No.3		Per Person Open Space in Built Up Area as per National Building Code(NBC)	2.00 sq.m. per person	2.00 sq.m. per person	0.20
5.	Ward No-4		Per Person Open Space in			0.20

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6.	Ward No-5		Plain Areas as per URDPFI Per Person Open Space in Built Up Area as per National Building			0.20
7.	Ward No-6					0.20
	Ward No-7	Retaining Cum Boundary Wall with entry gate, Fenced area, Water Supply, Dustbins , child friendly play equipments including structures, snack/ ice cream parlours/ kiosks, Illumination, landscaped manicured with water bodies/ fountains& Plantation, Pathways, Parking space, Sitting & Resting features, Play courts ,Protection works for natural water games				0.20
	Ward No-8					0.20

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	Ward No-9					0.20
	Ward No-10					0.20
	Ward No-11					0.20
	Ward No-12					0.20
	Ward No-13					0.20
	Ward No-14					0.20
	Ward No-15					0.20
	Ward No-16					0.20
	Ward No-17					0.20
	Ward No-18					0.20
	Ward No-19					0.20
	Ward No-20					0.20
	Ward No-21	Retaining Cum Boundary Wall with entry gate,				0.20

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	Ward No-22					0.20
	Ward No-23					0.20
	Boundary Cannel Water Bodies					7.56
	Millennium Science Park					0.80
	Sanhati Park					0.70

13.81

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

(As per Table 2.3.1of AMRUT guidelines)

(Amount in Rs. Cr)

Sr. No.	Name of Project	Total Project Cost	Share				Total
			GOI	State	ULB	Others	
1	Redevelopment of Millennium Science Park Sanhati Park	0.25	0.125	0.1125	0.0125	0.15 0.10	
2	Ward No-1	0.20	0.100	0.090	0.010	0.20	
3	Ward No-2	0.20	0.100	0.090	0.010	0.20	
4	Ward No.3	0.20	0.100	0.090	0.010	0.20	
5	Ward No-4	0.20	0.100	0.090	0.010	0.20	
6	Ward No-5	0.20	0.100	0.090	0.010	0.20	
7	Ward No-6	0.20	0.100	0.090	0.010	0.20	
8	Ward No-7	0.20	0.100	0.090	0.010	0.20	
9	Ward No-8	0.20	0.100	0.090	0.010	0.20	
10	Ward No-9	0.20	0.100	0.090	0.010	0.20	
11	Ward No-10	0.20	0.100	0.090	0.010	0.20	
12	Ward No-11	0.20	0.100	0.090	0.010	0.20	

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13	Ward No-12	0.20	0.100	0.090	0.010		0.20
14	Ward No-13	0.20	0.100	0.090	0.010		0.20
15	Ward No-14	0.20	0.100	0.090	0.010		0.20
16	Ward No-15	0.20	0.100	0.090	0.010		0.20
17	Ward No-16	0.20	0.100	0.090	0.010		0.20
18	Ward No-17	0.20	0.100	0.090	0.010		0.20
19	Ward No-18	0.20	0.100	0.090	0.010		0.20
20	Ward No-19	0.20	0.100	0.090	0.010		0.20
21	Ward No-20	0.20	0.100	0.090	0.010		0.20
22	Ward No-21	0.20	0.100	0.090	0.010		0.20
23	Ward No-22	0.20	0.100	0.090	0.010		0.20
24	Ward No-23	0.20	0.100	0.090	0.010		0.20
	Boundary Cannel Water Bodies	7.56	3.78	3.402	0.378		7.56
25	Millennium Science Park	0.80	0.40	0.36	0.040		0.80
26	Sanhati Park	0.70	0.35	0.315	0.035		0.70
	TOTAL	13.81	6.905	6.215	0.691		13.81

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Table 9: Annual Fund Sharing Break-up for Projects w.r.t to Park Development

(As per Table 2.3.2 of AMRUT Guidelines)

Sr. No.	Project	GoI	State			ULB			Convergence	Others	Total (Amount in Rs. Cr)
			14 th FC	Others	Total	14 th FC	Others	Total			
1	Redevelopment of Millennium Science Park Sanhati Park	0.125			0.1125			0.0125			0.15 0.10
2	Ward No-1	0.100			0.090			0.010			0.20
3	Ward No-2	0.100			0.090			0.010			0.20
4	Ward No.3	0.100			0.090			0.010			0.20
5	Ward No-4	0.100			0.090			0.010			0.20
6	Ward No-5	0.100			0.090			0.010			0.20
7	Ward No-6	0.100			0.090			0.010			0.20
8	Ward No-7	0.100			0.090			0.010			0.20
9	Ward No-8	0.100			0.090			0.010			0.20
10	Ward No-9	0.100			0.090			0.010			0.20
11	Ward No-10	0.100			0.090			0.010			0.20
12	Ward No-11	0.100			0.090			0.010			0.20
13	Ward No-12	0.100			0.090			0.010			0.20

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14	Ward No-13	0.100			0.090			0.010		0.20
15	Ward No-14	0.100			0.090			0.010		0.20
16	Ward No-15	0.100			0.090			0.010		0.20
17	Ward No-16	0.100			0.090			0.010		0.20
18	Ward No-17	0.100			0.090			0.010		0.20
19	Ward No-18	0.100			0.090			0.010		0.20
20	Ward No-19	0.100			0.090			0.010		0.20
21	Ward No-20	0.100			0.090			0.010		0.20
22	Ward No-21	0.100			0.090			0.010		0.20
23	Ward No-22	0.100			0.090			0.010		0.20
24	Ward No-23	0.100			0.090			0.010		0.20
25	Boundary Cannel Water Bodies	3.78			3.402			0.378		7.56
26	Millennium Science Park	0.40			0.36			0.040		0.80
	Sanhati	0.35			0.315			0.035		0.70
	Total	6.905			6.215			0.691		13.81

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Table 10: Year wise Plan for Service Levels Improvements

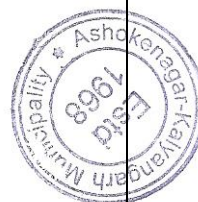
(As per Table 2.5 of AMRUT guidelines)

Proposed Projects	Project Cost	Indicator	Baseline	AnnualTargets (IncrementfromtheBaselineValue)					
				FY2016		FY 2017	FY 2018	FY 2019	FY 20
				H1	H2				
Park Development									
Redevelopment of Millennium Science Park Sanhati Park	0.20	Per Person Open Space in Plain Areas as per URDPFI	8.00 sq.m. per person	8.50 sq.m. per person	8.50 sq.m. per person	8.50 sq.m. per person	8.50 sq.m. per person	8.50 sq.m. per person	8.50 sq.m. per person
Ward No-1	0.20								
Ward No-2	0.20								
Ward No.3	0.20								
Ward No-4	0.20								
Ward No-5	0.20	Per Person Open Space in Built Up Area as per National Building Code(NBC)	2.00 sq.m. per person	2.00sq.m. per person	2.00 sq.m. per person	2.00 sq.m. per person	2.00 sq.m. per person	2.00sq.m. per person	2.00 sq.m. per person
Ward No-6	0.20								
Ward No-7	0.20								
Ward No-8	0.20								
Ward No-9	0.20								
Ward No-10	0.20								
Ward No-11	0.20								
Ward No-12	0.20								
Ward No-13	0.20								

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Ward No-14	0.20								
Ward No-15	0.20								
Ward No-16	0.20								
Ward No-17	0.20								
Ward No-18	0.20								
Ward No-19	0.20								
Ward No-20	0.20								
Ward No-21	0.20								
Ward No-22	0.20								
Ward No-23	0.20								
Boundary Cannel Water Bodies	7.56								
Millennium Science Park	0.80								
Sanhati Park	0.70								
Total	13.81								



P. Saman
Prabodh Seneta
Chairman
Ashokenagar-Kalyangarh Municipality