



CITY BIODIVERSITY INDEX

CHENNAI

Prepared by





By launching the State's first biodiversity index for Chennai, Tamil Nadu has set a benchmark. Our commitment is to build on this foundation, ensuring every stride in development is anchored in sustainability and the safeguarding of our natural wealth.

- Honourable Cheif Minister Thiru.M.K.Stalin

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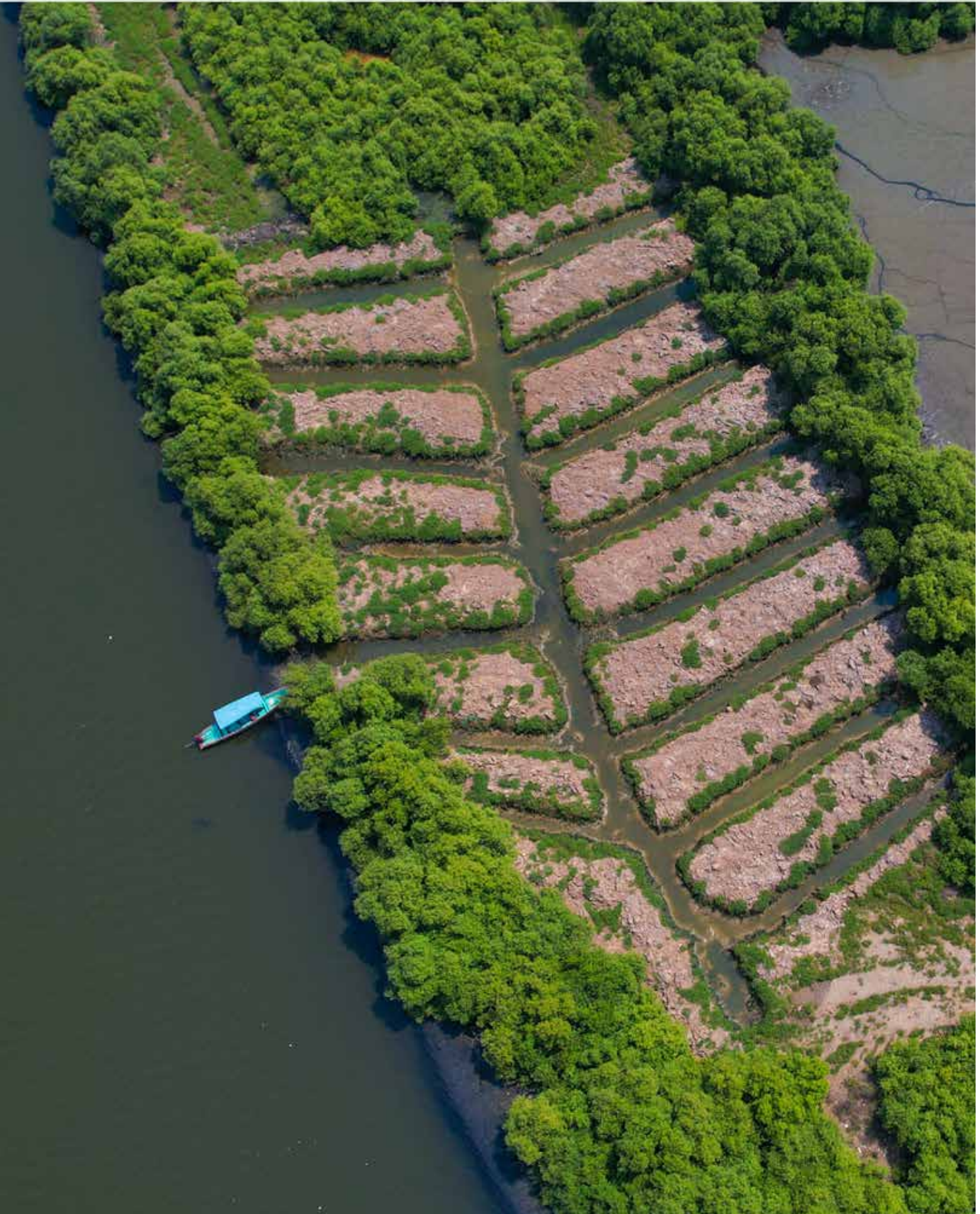
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ABBREVIATIONS

°C	Degree Celsius
CBI	City Biodiversity Index
CBSE	Central Board of Secondary Education
cm	Centimetre
CMA	Chennai Metropolitan Area
CMDA	Chennai Metropolitan Development Authority
CoP	Conference of Parties
CRRT	Chennai River Restoration Trust
CSCL	Chennai Smart City Limited
E	East
GCC	Greater Chennai Corporation
ha	Hectare
ICSE	Indian Certificate of Secondary Education
INR	Indian Rupee
ITT	Indian Institute of Technology
LBSAP	Local Biodiversity Strategy and Action Plan
LULC	Land Use Land Cover
m	Metre
MCC	Madras Christian College
MNS	Madras Naturalists' Society
N	North
NBSAP	National Biodiversity Strategy and Action Plan
NGO	Non-Governmental Organization
NIR	New Infra Red
OECD	Other Effective Area-based Conservation Measures
PCCF	Principal Chief Conservator of Forests
RGB	Red Green Blue
SCBD	Secretariat for the Convention on Biological Diversity
SEZ	Special Economic Zone
SPV	Special Purpose Vehicle
sq. km.	Square Kilometre
sq. m.	Square Metre
SWM	Solid Waste Management
TNBB	Tamil Nadu Biodiversity Board
TNGCC	Tamil Nadu Green Climate Company
UGS	Urban Green Space

SECTION 1 : ABOUT CITY BIODIVERSITY INDEX

The City Biodiversity Index (CBI) or the Singapore Index was developed in 2008, when it was acknowledged in the Ninth Biodiversity Conference of Parties (COP) that cities and local bodies can support the implementation of a country's National Biodiversity Strategy and Action Plan (NBSAP).

The Index consolidates the available biodiversity-related indicators locally, which can help cities evaluate and benchmark their biodiversity conservation efforts. CBI scoring is quantitative in nature. A total of 23 indicators makes up the index, measuring a city's native biodiversity, the ecosystem services provided and biodiversity governance. Scores range between zero to four points for each indicator, with a maximum overall score of 92. The first year is considered the baseline against which cities can then chart their subsequent evolution.

According to the Secretariat for the Convention on Biological Diversity (SCBD)¹, some of the benefits that cities derived from the application of the index include "a) the process facilitated capacity-building in biodiversity conservation, b) the indicators also function as biodiversity conservation guidelines and c) assistance in setting priorities for conservation actions and budget allocation through quantitative scoring". The CBI of Chennai was developed by ICLEI- Local Governments for Sustainability, South Asia.



SUMMARY OF THE SCORES

The CBI of Chennai, 2024 has been prepared based on the SCBD endorsed user's manual for CBI, updated in 2014. The 23 indicators that make up the index are grouped into three main components viz. Native Biodiversity, Ecosystem Services provided by Biodiversity and Governance and Management of Biodiversity.

The city scored a total of 38 out of 72 for 18 indicators (refer Figure 1). Since this was the baseline year the indicators 4-8 were not considered for the analysis. The first section on "Native Biodiversity in the City", contributed to a score of 12 out of 20 as only 5 indicators were taken into consideration. The city scores well in this section, indicating that portions of its natural habitat represented by its wetlands and natural vegetation support biodiversity. Indicators 11-14, which relate to "Ecosystem Services provided by Biodiversity in the City" scored 6 out of 16 points. The city scores below average here which indicates that the health of the ecosystems needs to be improved to improve ecosystem functions. Indicators 15-23, which correspond to "Governance and Management of Biodiversity in the City" contributed to a score of 17 out of 36 points. This is an average score, indicating that biodiversity matters are being considered to some extent by the Greater Chennai Corporation (GCC), which positively impacts the conservation and functioning of natural ecosystems.

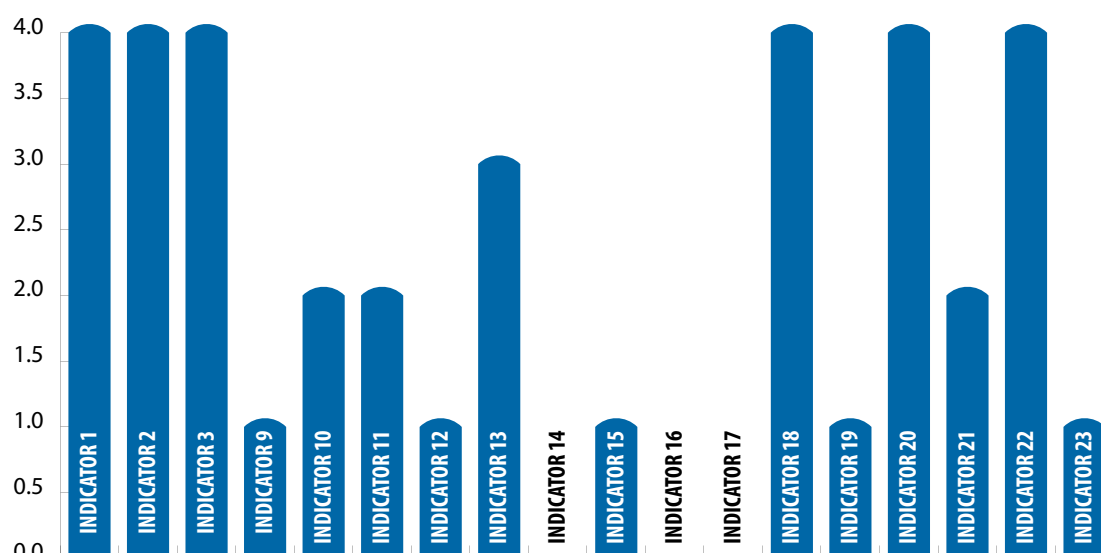


Figure 1: Snapshot of the 2024 CBI of Chennai

SECTION II : CITY BIODIVERSITY INDEX OF CHENNAI

PART A: PROFILE OF THE CITY

Chennai, formerly known as Madras, is the capital city of the state of Tamil Nadu. The city is located between coordinates 12°50'49" N and 13°17'24" N latitude and 79°59'53" E and 80°20'12" E longitude [1]. The city of Chennai encompasses an area of 426 km² and lies at an elevation of 7m above sea level. As the city is positioned on the south-eastern coastal plain, also known as the Coromandel coast off the Bay of Bengal, close to the Equator, it experiences a tropical wet and dry type of climate [2]. There is less variation in the local temperature. April, May and June are the hottest months of the year with maximum recorded temperature ranging around 38°C and 40°C. December and January are the coldest months with lowest recorded temperature being 24°C. Mean annual rainfall is about 140cm [3]. Owing to north-east monsoon winds, Chennai experiences most rainfall from mid-September to mid-December.

GEOPHYSICAL CHARACTERISTICS

The city of Chennai is situated in north-east of Tamil Nadu on a "sandy shelving breaker swept beach" [4]. The area is low-lying and the land surface is flat. The city's elevation rises slightly as the distance from the sea shore increases. Two rivers namely, the Coum river and the Adyar river flow through the city of Chennai. Coum river starts from Kesavaram village and intersects the city through the centre, whereas the Adyar river flows to the south. A third river, Kortaliyar, flows through the northern periphery of the city and ultimately, drains into the Bay of Bengal at Ennore. A man-made canal, Buckingham canal, runs parallel to the Coromandel coast and links the two rivers [5]. Through its course, the canal connects the coastal districts from Guntur in Andhra Pradesh to South Arcot in Tamil Nadu and enters the city of Chennai at Tondiarpet in the north. Another east-west canal, Otteri Nullah, runs through north Chennai and joins the Buckingham canal at Basin Bridge.

Administratively, Chennai is situated within the Chennai Metropolitan Area (CMA), covering an area of 1189 km² [1], [6] This includes the city of Chennai, 16 municipalities, 20 town panchayats, 10 panchayat unions and 214 villages in the Thiruvallur and Kancheepuram districts. The city, under the Greater Chennai Corporation (GCC) extends over an area of 426 sq.km.



DEMOGRAPHY

As per the Census of India 2011 [7] the total population of the city of Chennai is 4,646,732. Out of the total, the number of males is 2,335,844 and the number of females is 2,310,888. The city of Chennai scores high in literacy with a total of 3,776,276 individuals falling under the bracket. The number of male individuals who are literate are 1,968,079 and the number of female individuals is 1,808,197. Average literacy rate of Chennai is 90.18 percent with males constituting 93.70 percent and females as 86.64 percent. Major religion practised in the city of Chennai is Hinduism with 80.73 percent followers [7]. Other religions followed in the region include Islam (9.45 percent), Christianity (7.72 percent), Jainism (1.11 percent), Sikhism (0.06 percent) and Buddhism (0.06 percent).

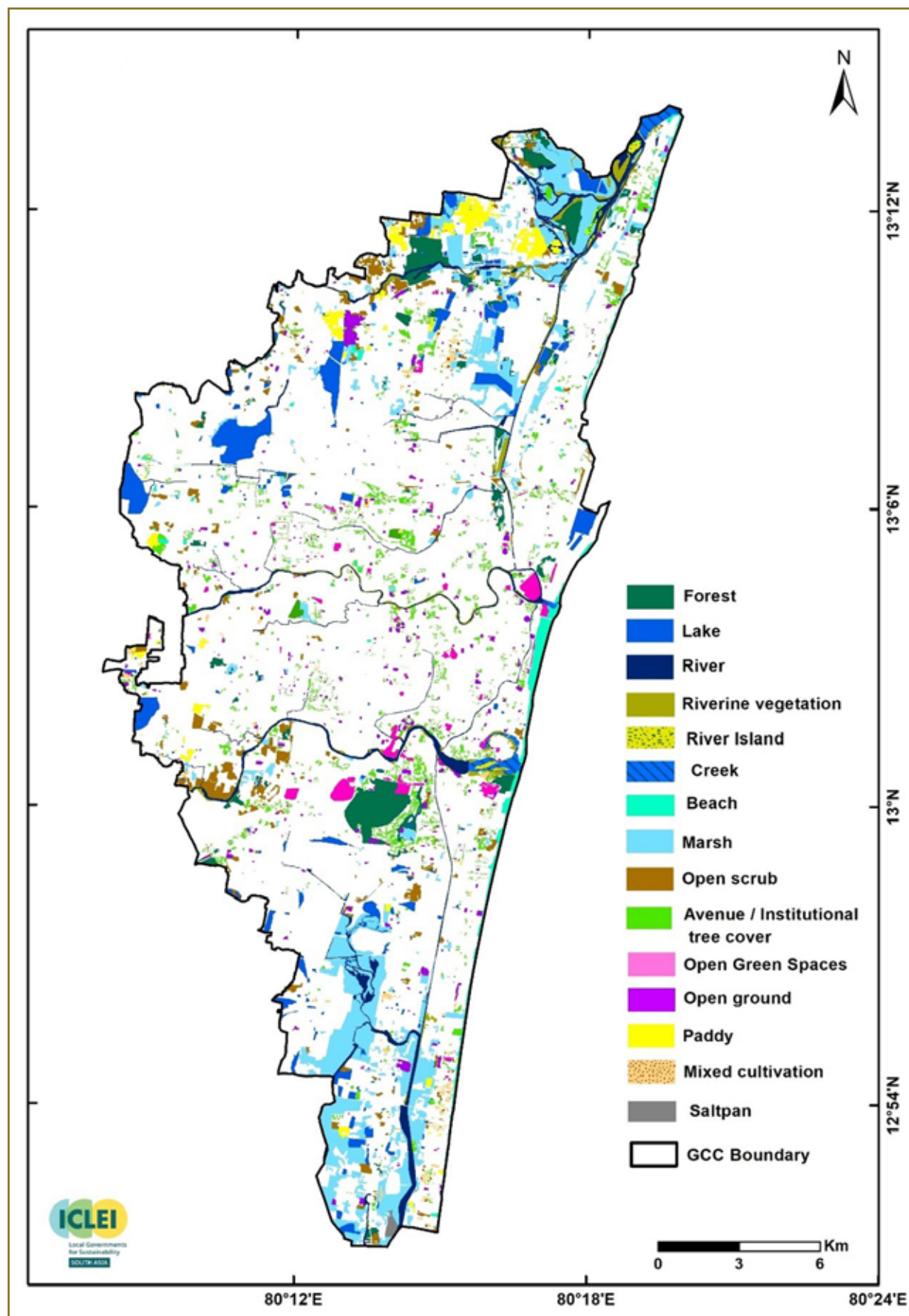
ECONOMY

Chennai is the fourth most densely populated city in India [8]. The city is also termed as a globalization hotspot, considering growing foreign direct investment and likewise economic transformations. By 2030, owing to large-scale development in housing, industrial and commercial sector, Chennai is predicted to become a megapolis. The city of Chennai itself accounts for 10.94 percent of the state income [5]. The informal sector including self-employed traders, hawkers and family-based workers is estimated to have employed about 1 million in Chennai. Economic trends in the city are marked with a growing contribution from Information Technology, Business process outsourcing industries.

Chennai is the largest economic, cultural and educational hub of the state of Tamil Nadu. Popularly referred to as the 'Gateway of South India', the city caters to a large number of both domestic and international tourists. The city of Chennai is an important transportation hub for road, railways, air and sea ports joining mega cities both in India and abroad. Chennai is also called the 'Health Capital of India' [9], believed to provide healthcare services to 45 percent of health tourists from abroad and about 30 to 40 percent of health tourists from the country itself.

Fishing contributes majorly to the local economy of the city of Chennai [5]. About 18,500 males and 5,500 females are employed in fisheries and other allied activities in Chennai Metropolitan Region. The economy of Chennai is also based on the automobile industry [10]. The city has emerged as a major export hub for cars. Other small-scale industries predominant in the region include metals, rubber, electrical machinery, transport equipment, leather and fur products and non-metallic mineral products.





NATURAL ASSET MAP OF CHENNAI

BIODIVERSITY

Owing to the geographical location of Chennai, the city is bestowed with different types of ecological landscapes such as estuaries like the Adyar and Cooum estuaries and wetlands such as Pallikaralai and Singanailur wetlands, hills with forest cover like Pallavaram Hills and big sandy beaches along the long coastline [5]. These include man-made structures like water reservoirs and tanks made to ensure urban water supply and patches of farmland. Guindy National Park and the Pallikaralai Marsh Reserve Forest (designated as a Ramsar site in 2022) are two protected areas in the city's municipal boundaries. The forested areas of the IIT campus, MCC campus, Guindy National Park, Theosophical Society campus and Kattupalli Island have remnant natural vegetation, which have been enhanced due to plantation. These in addition to parks, make up urban green spaces in Chennai. The Metropolitan region of Chennai is also bestowed with various water bodies such as the Pulicat Lake in the north, the Nagari hill range in the northwest and Muttukadu in the south.

Sacred groves were once present extensively across Chennai, however the only groves that remain are found in the IIT campus in Chennai and in Guindy National Park [11]. The grove in IIT is dedicated to Sri Durga Peeliyamma and occupies an area of 10 acres. The grove in Guindy National Park is dedicated to the Sapta Kannikas or seven virgins are often identified with Sapta Matrikas (Seven Mothers).

The Natural Asset Map of Chennai, which has been developed by ICLEI South Asia (refer Figure 2), illustrates the city's green and blue land use types ranging from its rivers, lakes, marshes, forests and coast to its plantations and institutional green spaces. The urban green spaces in the city encompass institutional green cover, open green space, and some urban forests. Small agricultural spaces also exist within the city where some cereals and vegetables or fodder crops are grown.

Chennai is fairly rich in flora and fauna however the city lacks a comprehensive biodiversity profile. To provide a glimpse of the ecology and environment of the city of Chennai, a brief description is given below.

Flora: The ecological history of Chennai is rooted in the presence of two cultural landscapes namely, Neithal and Paalai, representing the coast and coastal wetlands respectively [12]. According to Daniels et al., [13], Palmyra and Phoenix (*Phoenix sylvestris*) palms interspersed with thickets historically made-up Chennai's coastal plains. According to Krishnan (2014)², other important trees of the city include wood-apple (*Feronia limonia*), *Clausena dentata*, neem, *Aegle marmelos*, *Pithecolobium dulce*, *Acacia* species, *Samanea saman* (planted), *Avicennia* species and *Cerbera odollam* at the Adyar estuary and the latter also along the Buckingham canal, *Calophyllum inophyllum* and *Thespesia populnea*, mainly planted, near the beach, *Lanea coromandelica*, *Zizyphus mauritiana*, *Zizyphus xylopyrus*, *Capparis* species, *Atlantia monophylla*, *Ochna squarrosa*, *Morinda tinctoria* and *Toddalia asiatica*. The city once was especially notable for its banyan trees which dotted roadsides where they were planted.

The main flora documented [14] from Adyar creek include some invasive alien species like *Prosopis juliflora*, *Lantana camara*, *Senna occidentalis* and *Croton bonplandianus* along with species like *Ipomoea pes-caprae*, *Thespesia populnea*, *Pongamia pinnata*, *Abrus precatorius*, *Zizyphus jujuba*, *Azadirachta indica*, *Morinda* sp.

2. <https://www.currentconservation.org/the-wildlife-of-madras-city-2/>

3. Personal communication

Urban green spaces (UGSs) are predominantly college campuses, government gardens, parks and private lands in the city of Chennai. In a study [15] conducted at such UGSs within the metropolitan region of Chennai, 45 tree species were documented belonging to 21 families.

Guindy National Park was originally a mix of tropical scrub and Palmyra dominated thorn woodlands. Over the years it was enriched with native and exotic trees to create the present vegetation structure that resembles a natural forest. Within the park's dry evergreen scrub and thorn forest, grasslands and water bodies are over 350 species of plants represented by trees, shrubs, climbers, herbs and grasses [16]. Some of the dominant tree species found in the park include *Annona squamosa*, *Atalantia monophylla*, *Feronia limonia* and *Azadirachta indica*.

The Theosophical Society campus, which is the second largest green patch after Guindy National Park, is an important green lung of the city. Its flora comprises 161 trees, 84 shrubs, 179 herbs and 25 climbers that belong to 85 families, representing nearly an equal percentage of exotic and native species [13]. The native flora of the campus consists of mangroves, psammophytes, and tropical dry evergreen vegetation. *Avicennia marina* and *Excoecaria agallocha* are restricted to the tidal zone along the Adyar estuary.

The IIT Madras campus was originally part of the Guindy National Park. The vegetation type within the campus and the National Park is Tropical Dry Evergreen Forest. A variety of flora and fauna have been recorded from the open grasslands, wetlands, thick forest patches and patches of scrub jungle that make up the campus habitat. Pitchandikulam Forest Consultants³ have recorded 335 species of flowering plants.

Within the Pallikaranai marshland, the mixing of freshwater and brackish tidal water has limited the vegetation to herbaceous plants like salt-tolerant sedges (Cyperaceae) and grasses. 141 species of plants, including 29 species of grass make up the floral diversity (Care Earth, 2002, Daniels, 2002).

Fauna: In Guindy National Park, 14 species of mammals including blackbucks, spotted deer, jackals, a wide variety of snakes, geckos, tortoises and over 150 species of birds, a rich diversity of butterflies and spiders, grasshoppers, ants, termites, crabs, snails, slugs, scorpions, mites, earthworms, millipedes, are present[17]. A survey in 2017 yielded 90 species of butterflies belonging to 5 families and 16 sub families and eleven species of host plants [18]. Within the IIT campus, mammals such as blackbuck, spotted deer, jackals, mongoose, monkeys, squirrels, toddy cats, wild cats, various types of reptiles, a plethora of insects including about 40 different species of butterflies and about 100 species of birds have been recorded.⁴

The Palluyir Trust and Care Earth Trust have documented biodiversity within the city, extensively. The Palluyir Trust has put out educational resources in the form of guides documenting butterflies, marine fauna including coastal fish, trees and wild flowers of the city.

The Pallikaranai marshland, an important natural ecosystem in Chennai, supports 115 bird species, ten mammals, 21 reptiles, ten amphibians, 46 fish, nine molluscs, five crustaceans, and seven butterfly

4. <https://home.iitm.ac.in/prakriti/prakriti/home1.html>

5. https://palluyirtrust.org/?page_id=22246

species. The estuarine marshland was declared a Ramsar site in 2022. According to the Ramsar information sheet, fish species that are ecologically significant within the wetland include *Anguilla bengalensis*, *Anguilla bicolor*, *Trichogaster chuna*, and *Channa orientalis* [19].

A study [20] in 2016-2017 on the edible fish of Adyar estuary identified 42 species belonging to seven orders and one class. *Thryssa malabarica*, *Elops saurus*, *Megalops cyprinoides*, *Chanos chanos*, *Arius arius*, *Arius jella*, *Mystus gulio*, *Chelone parsia*, *Chelone tade*, *Mugil cephalus*, *Planiliza macrolepis*, *Lates calcarifer*, *Ambassis ambasis*, *Chanda nama*, *Sillago sihama*, *Gazza minuta*, *Secutor insidiator*, *Sphyræna jello*, *Oreochromis mossambicus* and *Etroplus maculata* commonly occurred and had commercial importance. Tilapia (*Oreochromis mossambicus*) was the most abundant. A study in 2014 recorded, 57 species in the estuarine reach of the Adyar, and 28 species at their wetland rehabilitation site (Adyar Poonga) of which 13 species were encountered in brackish water east of the spillway and 21 in fresh water west of the spillway) [21].

On the outskirts of Chennai, within the Chennai Metropolitan Area are some important habitats like Madras Christian College, a biological heritage site which has documented 19 species of mammals, 26 species of birds, 12 species of butterflies, 4 species of beetles, 4 species of spiders and about 10 species of reptiles [22]. Studies on Chembarambakkam lake just outside Chennai recorded snakes such as *Ahaetulla nasuta* (Common Vine Snake), *Atretium schistosum* (Olivaceous Keelback), *Bungarus caeruleus* (Common krait), *Daboia russelii* (Russell's Viper), *Dendrelaphis tristis* (Common Bronzeback Tree Snake), *Gongylophis conicus* (Common Sand Boa) and *Oligodon arnensis* (Common Kukri Snake) [23]. Thirty two species of fish have also been identified within the lake [11].

ADMINISTRATION OF BIODIVERSITY

In the city of Chennai, biodiversity is administered by the following territorial and city level agencies.

Tamil Nadu Forest Department: This Department, headed by the Principal Chief Conservator of Forests (PCCF) deals with the protection, management and conservation of forests in the state of Tamil Nadu.



The initiatives of the Department are largely guided by the National Forest Policy of 1894, 1952 and 1988. The department also supports programs such as Coastal Area Management, Green India Mission, Hill Area Development Programme and National Afforestation Programme. For more information, please visit: <https://www.forests.tn.gov.in/>

Chennai Metropolitan Development Authority (CMDA): CMDA was constituted as an ad-hoc body in 1972. The Authority aims to provide “people friendly administration in the process of ensuring better quality of life in Chennai Metropolitan Area through environmentally sustainable, economically progressive and technologically innovative management policies and programs”. For more information, please visit: <http://www.cmdachennai.gov.in/index.html>

Tamil Nadu Biodiversity Board (TNBB): TNBB aims to ensure effective implementation of Biological Diversity Act, 2002 and the Biological Diversity Rules, 2004, for conservation of biodiversity, sustainable use of its components and fair and equitable sharing of benefits arising out of utilization of genetic resources in the state of Tamil Nadu. For more information, please visit: <https://tnbb.tn.gov.in/tnbb.php>

Greater Chennai Corporation (GCC): GCC is the oldest Municipal institution in India, established on the 29th September 1688. GCC maintains roads, street lights, storm water drain, parks and community halls. The Corporation also looks after solid waste management in the city of Chennai. For more information, please visit: <https://chennaicorporation.gov.in/gcc/>

Chennai Smart City Limited (CSCL): This city agency aims to create a network of smart mobility, smart technology, smart environment, smart water and smart energy in the city of Chennai. Under the smart environment program, it aims to retrofit green space, maintain parks and restore water bodies in the city. For more information, please visit: <https://cscl.co.in/>

In 2006, the Government of Tamil Nadu formed a Trust to protect the lakes and rivers of Chennai which was initially named Adyar Poonga Trust and later renamed Chennai Rivers Restoration Trust. The Trust is involved in the rehabilitation of Chennai’s water ways and water bodies as well as the development of Eco Parks. It is managed by a Special Purpose Vehicle (SPV) ‘Adyar Poonga Trust’.



PART B: INDICATORS OF THE SINGAPORE INDEX ON CITIES' BIODIVERSITY

NATIVE BIODIVERSITY

INDICATOR 1: PROPORTION OF NATURAL AREAS IN THE CITY

According to the Singapore Index Manual, natural areas are defined as “comprising predominantly native species and natural ecosystems, which are not, or no longer, or only slightly influenced by human actions, except where such actions are intended to conserve, enhance or restore native biodiversity.”

METHODOLOGY

As per the CBI user manual

Principle for calculation of the indicator

(Total area of natural, restored and naturalised areas)

÷

(Total area of city) × 100%

Scoring Range: (based on the CBI user manual)

0 point: <1.0%

1 point: 1.0% - 6.9%

2 points: 7.0% - 13.9%

3 points: 14.0% - 20.0%

4 points: > 20.0%

CITY DATA AND CALCULATIONS

The definition of natural areas in the Singapore Index manual is difficult to strictly apply within the context of Indian cities where the ground realities are significantly different. Income inequality, a high population density, and limited infrastructural outreach means that while there are native and natural ecosystems, public access to these areas cannot be completely restricted.

To calculate the proportion of natural areas in the city, a natural asset map (Figure 2) of Chennai was prepared and referred to. Table 1 shows the various natural classes that have been identified in the natural asset map of Chennai that apply to the calculation of this indicator. Anthropogenically influenced land classes such as Open Green Spaces, Open ground, Agricultural areas, Institutional green spaces were not considered.

Table 1: Natural assets used in the calculation of indicator 1

Sl. No.	Land class	Area (sq.km)	Area (%)
1	Forest	10.91	2.47
2	Lake	15.20	3.45
3	River	10.25	2.33
4	Riverine	4.21	0.96
5	Marshes	32.47	7.36
6	Open Scrub	9.33	2.12
7	Beach	4.28	0.97
8	River Island	0.32	0.07
9	Creek	1.75	0.40
Total		88.73	20.13

Principal for calculating the indicator: (Total area of natural, restored and naturalized areas)

÷ (Total area of city) × 100%

Total area of natural, restored and naturalized areas: 88.73 sq. km.

Total area of city: 440.89 sq. km.

RESULT: 20.12 %

SCORE: 4

RECOMMENDATIONS TO MAINTAIN SCORE

The city of Chennai has been built over a complex network of seasonal lakes and marshes. It is this network, together with coastal habitats that give the GCC a high score under this indicator.

In 2012, 474 wetlands were identified in Greater Chennai [24]. Other studies like [25, 26] have highlighted that half of these wetlands have been converted for various uses, encroached upon or used as dumping sites. These include lakes such as Adambakkam, Kilkattalai, Narayanapuram Lake, Mangal Eri, Manali and Madhavaram Jheels, Ambattur Lake, Velachery Lake.

Special Economic Zones (SEZs) and highways dominate the southern suburbs and have impacted the city's largest wetland, the Pallikaranai Marshland, a Ramsar site. Despite this designation, the site is at risk from Perungudi dump yard, which does not have proper lining to prevent leachate and other waste from flowing into the marsh and groundwater. Water quality analyses have detected the presence of mercury, lead, and cadmium in quantities four times over permissible levels[27]. A recent study [28] found that every metre cube of surface water in the Pallikaranai marshland contains an average of 1,758 microplastics. Although the site is presently being biomined by GCC under the Swachh Bharat Mission, and is expected to be completed by September 2024, there appears to be no clear plan to remediate the area.⁶ Newspaper reports state that fresh dumping is still occurring.⁷ Additionally, the GCC has set up a Construction and Demolition Waste and a Garden Waste processing plant at the site. They further propose setting up of Solid Waste Management related projects (Material Recovery Facility of 500 TPD) and large green belts in the area. This will be further detrimental to the ecology of the marshland.

Due to this loss of marshlands across Chennai and the blockage of numerous creeks, the city has been experiencing a series of flooding events. The Adyar estuary which is currently being restored by the CRRT, has lost its ecological character due to urbanization, discharge of untreated domestic waste, industrial effluents and encroachments and is filled with alien invasive species. *Prosopis juliflora*, *Pontederia crassipes*, *Parthenium hysterophorus*, *Lissachatina fulica* were commonly encountered across the city in abundance.

The city must work towards ecological restoration of its wetlands on priority. According to WWF India, if dumping of waste is banned and water channels rejuvenated, around 60% of Chennai's wetlands can be saved. GCC can take steps in this direction [29].

6. <https://www.thehindu.com/news/cities/chennai/greater-chennai-corporation-may-alter-design-of-perungudi-eco-park-in-pallikaranai-marshland/article67835714.ece>

7. <https://timesofindia.indiatimes.com/city/chennai/greater-chennai-corporation-pushes-trash-into-ramsar-site-pallikaranai-marshland/articleshow/99328885.cms>

The GCC must complete biomining for the entire Pallikaranai Marsh and then initiate remediation actions several of which were outline in the Comprehensive Management Plan for Pallikaranai Marsh (2014-2019). To prevent future management issues, waste management across the city must be streamlined, decentralised composting units must be set up at the ward levels and implementing strict regulations against open dumping should be prioritised. Greening programs must focus on improvement of riverine vegetation, marsh vegetation, mangroves and their associates to restore the historical ecological character of the city comprising of dense thickets, dominated by woody and thorny plants. Working together with several well-established scientific organisations in the city will help to restore some of this ecological character and improve the health of local ecosystems.



INDICATOR 2 : CONNECTIVITY MEASURES OR ECOLOGICAL NETWORKS TO COUNTER FRAGMENTATION

METHODOLOGY

As per the CBI user manual

Principle for calculation of the indicator

$$\frac{1}{A_{\text{total}}} * (A_1^2 + A_2^2 + A_3^2 + \dots + A_n^2)$$

Where:

- A_{total} is the total area of all natural areas
- A_1 to A_n are areas that are distinct from each other (i.e. more than or equal to 100m apart)
- n is the total number of connected natural areas

This measures effective mesh size of the natural areas in the city. A_1 to A_n may consist of areas that are the sum of two or more smaller patches which are connected. In general, patches are considered as connected if they are less than 100m apart.

Scoring Range: (based on the CBI user manual)

0 point:	< 200 ha
1 point:	201 - 500 ha
2 points:	501 - 1000 ha
3 points:	1001 - 1500 ha
4 points:	> 1500 ha

City Data and Calculations

The patches associated with the land classes used to calculate indicator 1 i.e., Forests, Lakes, River and its associated vegetation, Marshes, Open scrub, Beach, River Island and Creek have been considered in this calculation. In reality, other landscapes represented in Chennai by the land classes like open green spaces, agricultural and institutional planted landscapes also form a part of the ecological network to counter fragmentation for several species. However, these have not been considered following the guidelines of the CBI manual.

1230 polygons (patches) can be merged with the land classes rivers, beach, and some lakes have been considered a single unit as per the 100m proximity rule (refer Figure 3). So, the total area of this big patch (A_1) is 6384.28 ha. In the same way, Patch A_2 of area 321.6 ha was formed by merging the Guindy forest area polygon and the lake polygon inside it. 581 natural area patches are outside the 100m buffer of these big patches. According to the 100 m proximity rule these patches inter merge to yield 313 patches ($A_3 - A_{315}$). The values of A_1 to A_{453} is given in Annexure 1.

$$A_{\text{total}} = 8637.49 \text{ ha}$$

As per the final calculation

$$\text{Indicator 2} = 1 / 8637.49 \text{ ha} \times (41039973.65 \text{ ha}^2) = 4751.31 \text{ ha}$$

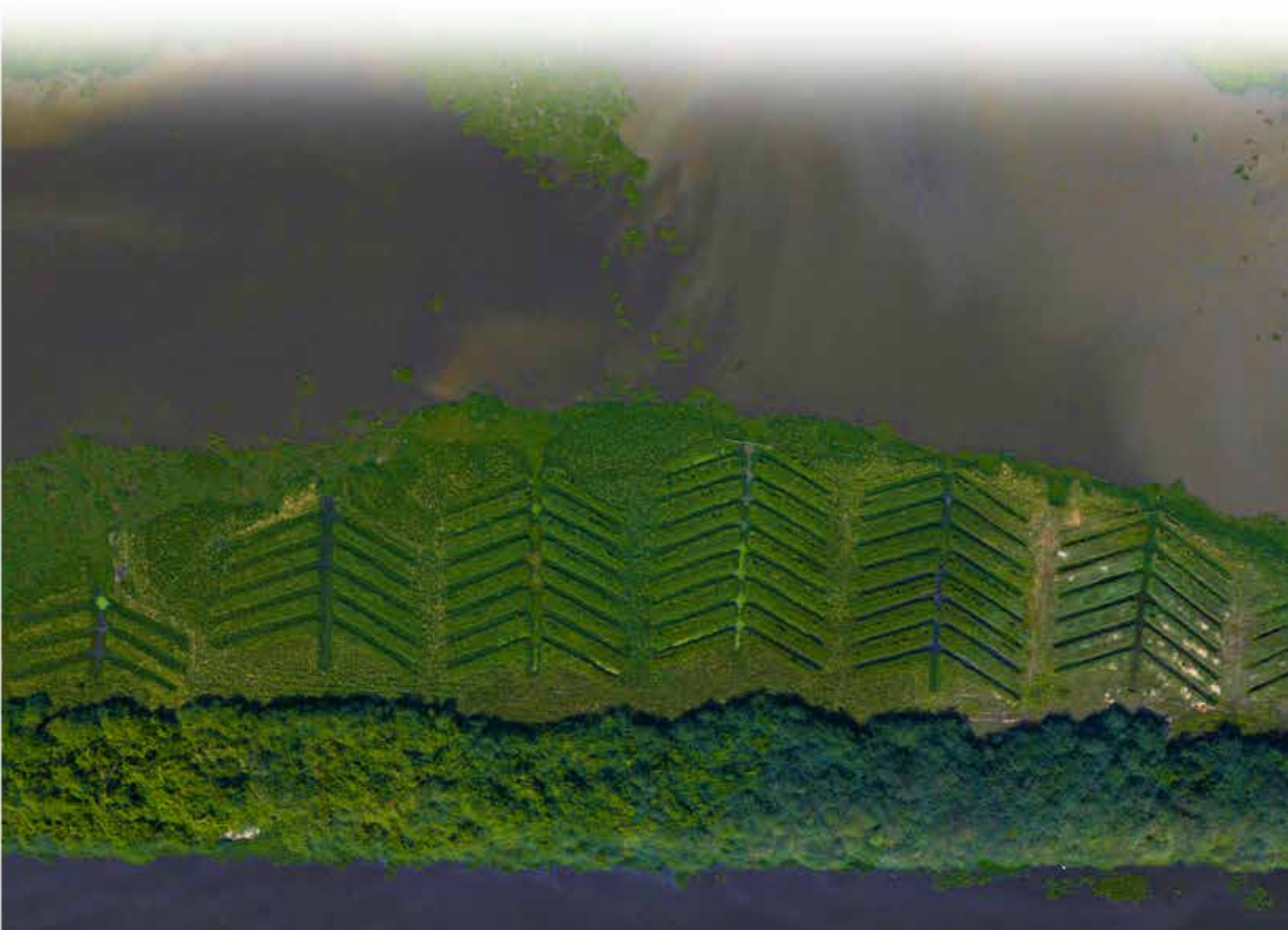
RESULT: 4751.31 ha

SCORE: 4

RECOMMENDATIONS TO MAINTAIN SCORE

As previously outlined in Indicator 1, the city scores well as a result of its wetland complex, which is interconnected, offering biodiversity some movement through the city. These connections are being severed due to urbanization. Despite the high score on this indicator, it is important to consider the health and functionality of the system as well. Restoration projects that consider the ecology of the area and holistic city planning can help to improve functionality as well as ensure the wetland complex remains interconnected.

The city can also consider applying for Ramsar City Accreditation. This global recognition, if secured, will further help the city in protecting and improving the health and functionality of its wetlands.



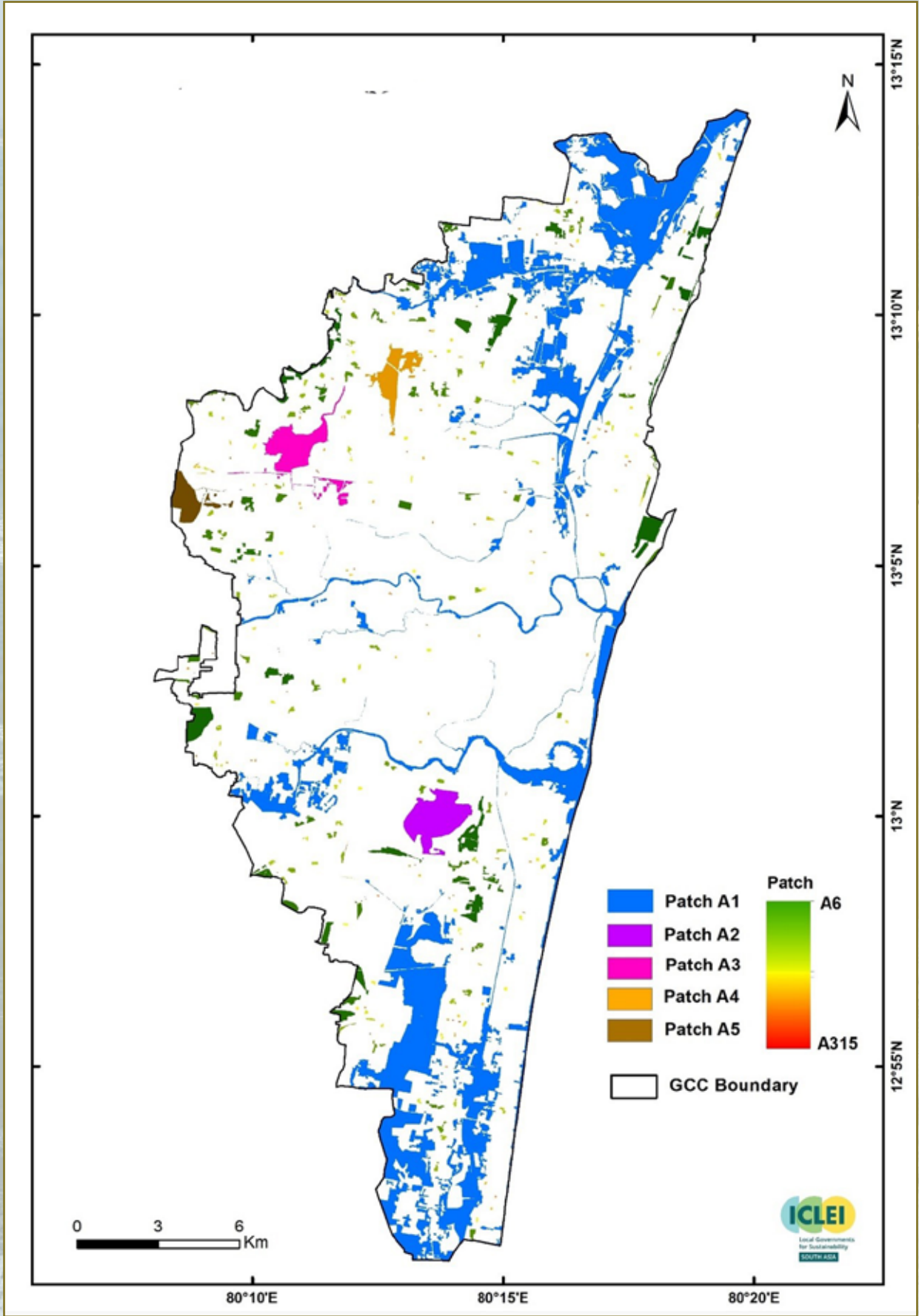


Figure 2: Connectivity map of GCC showing the patches which were merged to calculate indicator 2

INDICATOR 3: NATIVE BIODIVERSITY IN BUILT UP AREAS (BIRD SPECIES)

METHODOLOGY

How to calculate indicator

Number of native bird species in built up areas where built up areas include impermeable surfaces like buildings, roads, drainage channels, etc., and anthropogenic green spaces like roof gardens, roadside planting, golf courses, private gardens, cemeteries, lawns, urban parks, etc. Areas that are counted as natural areas in indicator 1 should not be included in this indicator.

Scoring Range: (based on the CBI user manual)

0 point:	< 19 bird species
1 point:	19 - 27 bird species
2 points:	28 - 46 bird species
3 points:	47 - 68 bird species
4 points:	> 68 bird species

City Data and Calculations

Secondary data available on citizen science platforms such as eBird (2024)⁸ developed by Cornell Lab of Ornithology, was referred to for this indicator. The list developed was then vetted by Gnanaskandan Kesavabharathi and Umesh Mani from the Madras Naturalists' Society (MNS).

Of the 344 bird species that were recorded from within and around the city, 157 species are resident species of which 90 occur within anthropogenically altered spaces of the city. The list of the birds considered for calculation of this indicator is provided in Annexure 2.

RESULT: 90 bird species

SCORE: 4

RECOMMENDATIONS TO MAINTAIN SCORE

Chennai lies directly under one of the most significant global flyways for migratory birds - the Central Asian flyway. The city's wetlands are an important habitat for several migratory and resident birds. Open scrub and grasslands, although slowly disappearing, are also important habitats for birds. These mosaic patches of natural areas together with some modified urban blue-green spaces are what enables a high diversity of resident birds. However, recent surveys of bird populations by citizen scientists have found that the numbers and species diversity of birds in Chennai, are reducing with every subsequent annual survey [30]. To maintain this score, the city should look into partnering with researchers, birders and citizen scientists to identify and protect birding hotspots in the city and develop strategies on how urban spaces can be enhanced as supporting habitats. Undertaking invasive species management by forging stronger partnerships with research organisations and civil society will benefit the city's bird life.

8. <https://ebird.org/region/IN-TN-CH>

INDICATORS 4-8 : CHANGE IN NUMBER OF NATIVE SPECIES

METHODOLOGY

How to calculate indicator

The change in number of native species is used for indicators 4 to 8. The three core groups are:

- Indicator 4 : vascular plants
- Indicator 5 : birds
- Indicator 6 : butterflies

These groups have been selected as data are most easily available and to enable some common comparison.

Cities can select any two other taxonomic groups for indicators 7 and 8 (e.g. bryophytes, fungi, amphibians, reptiles, freshwater fish, molluscs, dragonflies, beetles, spiders, hard corals, marine fish, seagrasses, sponges, etc.)

The above data from the first application of the Singapore Index would be recorded in Part I: Profile of the City as the baseline.

Net change in species from the previous survey to the most recent survey is calculated as:

Total increase in number of species (as a result of re-introduction, rediscovery, new species found, etc.) minus number of species that have gone extinct.

Scoring Range: (based on the CBI user manual)

- 0 point: Maintaining or a decrease in the number of species
- 1 point: 1 species increase
- 2 points: 2 species increase
- 3 points: 3 species increase
- 4 points: 4 species or more increase

CITY DATA AND CALCULATIONS

For the indicators 4-8, information was sourced from scientific publications, government reports, white papers, and citizen science platforms like eBird and iNaturalist. Taxa experts were consulted with at the final stage of the list development.

In the case of indicator 4, the list of plants was compiled from various sources including Adyar Poonga Trust (2008)[32], IUCN (1971) [33], Palluyir Trust^{9, 10}, Muthulingam and Thangavel (2012) [34] and validated by A. Mohamed Niyaz, Presidency College, Chennai. Indicator 5 was compiled from eBird and validated by Gnanaskandan Kesavabharathi and Umesh Mani from the MNS. Indicator 6 was compiled from Evangeline and Santhy [18] IIT Madras¹¹ and Palluyir Trust¹² and vetted by Dr. Sankararaman H. from the Vanavarayar Institute of Agriculture.

For indicators 7 and 8, two additional taxonomic groups of fish and mammals, respectively were chosen. Indicator 7 was compiled from Adyar Poonga Trust [32], Palluyir Trust¹³ and Ramanujam et al.

9. <https://palluyirtrust.org/?wpdmpo=common-trees-of-chennai>

10. <https://palluyirtrust.org/?wpdmpo=common-wild-flowers-of-chennai>

11. <https://home.iitm.ac.in/prakriti/prakriti/bflies.html>

12. <https://palluyirtrust.org/?wpdmpo=butterflies-of-chennai>

(2014) [21] and vetted by Dr. Divya Karnad, Assistant Professor at Ashoka University while Indicator 8 was compiled from IIT Madras¹⁴ and validated by A. Mohamed Niyaz, Presidency College, Chennai.

These lists will form the baseline for comparison when the index is revisited by the city, after 5 years. Annexure 2 provides details of the species lists that have been considered for indicators 4-8.

For indicators 7 and 8, two additional taxonomic groups of reptiles and spiders, respectively were chosen. Indicator 7 was compiled from Rajashekhara et al. (2022) and Kalki et al. (2021) and vetted by Manoj Kumar. B.R while Indicator 8 was compiled from Nalini Bai et al, (2012) and vetted by Mr. Vrijulal M.V., Founder and Researcher at the Foundation for Research & Education in Nature Science & Sustainability.

These lists will form the baseline for comparison when the index is revisited by the city, after 3-5 years. Annexure 2 provides details of the species lists that have been considered for indicators 4-8.

RESULT: Since this is the baseline year for the species count, the city will not receive any score on the indicators 4-8 and the same will be excluded from the overall calculation.



13. <https://palluyirtrust.org/?wpdmpo=common-marine-fishes-of-chennai>

14. <https://home.iitm.ac.in/prakriti/prakriti/animals1.html>

INDICATOR 9 : PROPORTION OF PROTECTED NATURAL AREAS

METHODOLOGY

How to calculate indicator

$(\text{Area of protected or secured natural areas}) \div (\text{Total area of the city}) \times 100\%$

Scoring Range: (based on the CBI user manual)

0 point:	< 1.4%
1 point:	1.4% - 7.3%
2 points:	7.4% - 11.1%
3 points:	11.2% - 19.4%
4 points:	> 19.4%

CITY DATA AND CALCULATIONS

Protected areas in Chennai include Guindy National Park, which is one of the smallest national parks in India, occupying an area of 2.70 sq.km.

The city also has a reserve forest area under the jurisdiction of the Forest Department of 6.97 sq. km.

This includes areas under Pallikaranai, Sholinganallur and Perumbakkam.

The Pallikaranai marshlands, a Ramsar site in the city, extends over an area of 12.47 sq.km.

Area of protected or secured natural areas = 22.14 sq. km.

Total area of the city = 440.89 sq.km

Proportion of Protected Natural Area = $22.14 \div 440.89 \times 100\%$

RESULT: 5.02%

SCORE: 1

RECOMMENDATIONS TO IMPROVE SCORE

The Pallikaranai marshlands were only given legal protection¹⁵ in 2007, after events of severe flooding in adjacent residential districts. Despite this, the land use around the marshlands has changed due to a boom in real estate, a declaration of special economic zones and population growth. The marshland was declared a Ramsar Site in 2022 in an attempt to increase protection to this ecologically significant site. Unfortunately, the marshland is challenged due to refuse dumping, waste burning, sewage disposal, and contaminated storm water runoff. The most immediate threat to the marshland is the Perungudi dump yard. Some recommendations to address this threat have been detailed under Indicator 1. Several management plans have also been developed for the site, the last being developed by the Care Earth Trust in 2014 [31]. The results from monitoring of the site's physical, chemical and biological parameters should feed into an updated management and restoration plan that outlines strategies to improve the health of this wetland. This exercise should be extended to other wetlands and water bodies such as the Sholinganallur wetland, Adambakkam, Kilkattalai, Narayanapuram Lake, Velachery Lake, as well. This will not only improve the score on this indicator, but will also significantly improve water availability and flood resilience in the city.

An innovative approach to urban planning, through integration of Nature-based Solutions is the need of the hour for a city like Chennai.

Daniels et al. [13] call for natural habitats within the city's limits to be declared as 'nature monuments' 'nature utility spaces' and be carefully managed. By creating new and innovative instruments that allow for protection of natural habitats, outside of the protected area network, the city can improve its score. As the city expands, other noteworthy natural areas such as Nanmangalam Reserve Forest will require protection and management strategies.

The city can also look into declaration of OECMs to increase the proportion of natural areas.

Chennai's traditional coastal communities are also an important wealth of knowledge on the use and management of coastal natural resources. Collaboration between these stakeholders will lead to holistic and equitable solutions and more participative management of the city's natural spaces, which can have a positive impact on the score under several indicators including this one.

15. 317 hectares in the southern part of the marshlands were declared a "forest reserve" under the Tamil Nadu Forest Act of 1882

INDICATOR 10 : PROPORTION OF INVASIVE ALIEN SPECIES

METHODOLOGY

How to calculate indicator

$(\text{Number of invasive alien species}) \div (\text{Number of native species}) \times 100\%$

Scoring Range: (based on the CBI user manual)

0 point: > 30.0%
 1 point: 20.1% - 30.0%
 2 points: 11.1% - 20.0%
 3 points: 1.0% - 11.0%
 4 points: < 1.0%

CITY DATA AND CALCULATIONS

The flowering plant taxon was used to carry out the invasive species analysis. Referring the Tamil Nadu Policy on Invasive Plants and Ecological Restoration (2022), the list was compiled and the nativity of each species was assessed.

A total of 72 invasive species were identified in the city. The total number of native species in the city is 458.

Calculation

Total Number of Invasive Alien Species = 72

Total Number of Native Species = 458 (Annexure 2)

Proportion of Invasive Alien Species = $(72 \div 458) \times 100$

RESULT: 15.7%

SCORE: 2

RECOMMENDATIONS TO IMPROVE SCORE

Invasive species are present in the city and were commonly observed in and around wetlands. *Neltuma juliflora*, *Parthenium hysterophorus*, were commonly encountered invasive plants, during field surveys.

A local study of invasive species within the city would be valuable. Furthermore, a risk assessment of the alien invasive species should be conducted. The risk assessment will enable an understanding of which species are high, medium, low and insignificant in their impacts on local ecosystems. Once the risk assessment has been carried out, strategies that can be taken up by city authorities, in partnership with academic institutions, NGOs and state authorities, can be identified and implemented. The Local Biodiversity Strategy and Action Plan, when developed, can also include actions and implementation strategies to address invasive species.

ECOSYSTEM SERVICES PROVIDED BY BIODIVERSITY

INDICATOR 11: REGULATION OF QUANTITY OF WATER

METHODOLOGY

How to calculate indicator

$(\text{Total permeable area}) \div (\text{Total terrestrial area of the city}) \times 100\%$

Scoring Range: (based on the CBI user manual)

0 point: < 33.1%

1 point: 33.1% - 39.7%

2 points: 39.8% - 64.2%

3 points: 64.3% - 75.0%

4 points: > 75.0%

CITY DATA AND CALCULATIONS

City-level mapping of permeable/non-permeable spaces is absent, and hence a permeability map (Figure 4) was prepared by ICLEI South Asia for the purpose of calculating this indicator. Sentinel 2, level 2 data was extracted from the Copernicus Open Access Hub of the European Commission for the analysis of the area with a cloud cover of less than 1% on 10th of March 2024. Red (R), Green (G), Blue (B), and Near Infrared (NIR) bands with 10m spatial resolution pre-processed for the supervised classification. Informed by field surveys and Google Satellite data, land classes including cropland, open ground, plantation, river, water bodies, scrubland, dense vegetation, mangroves, sparse vegetation, marshes, open ground, and urban built-up were considered for the classification. After the LULC classification, the respective land classes were merged and the permeability map was prepared.

Item	Area (ha)	Area (%)
Permeable land area	23333.32	52.92
Waterbody	2673.07	6.06
Impermeable area	18082.50	41.01

Total Terrestrial Area of the city = 41400.23 ha (Excluding area of water bodies)

Total Permeable Area (+ area of water bodies) = 26006.39ha

Regulation of Quantity of Water= $(26006.39 \div 41400.23) \times 100$

RESULT: 62.81%

SCORE: 2

RECOMMENDATIONS TO IMPROVE SCORE

Although Chennai receives an average annual rainfall of 1200-1300 mm, only 5% of this actually seeps into the ground in urban areas [35]. The city in addition to its wetlands once had a network of manmade reservoirs in the form of tanks, ponds, temple tanks and wells, which have become defunct or lost due to its rapid urbanisation. Reviving and restoring this traditional infrastructure would be extremely beneficial. Parallely, organisations like the City of 1000 tanks consortium and the Akash Ganga Trust Rain Center, are trying to improve water availability in Chennai through a network of Nature-based Solutions, including rainwater harvesting, vegetation ditches and anaerobic treatment of waste water. Wetlands if protected adequately and restored will not only improve the movement of water through the city, but also protect it from flooding and act as water reservoirs. The Sponge Park initiative of the city will definitely improve permeability and water storage in the areas where they are being developed. It is important that these eco parks and sponge parks have minimal concretisation and identify the relevant, ecologically suited vegetation for plantation activities.

Onboarding NGOs with adequate technical expertise on native wetland vegetation and ecological restoration, will help to improve the score of this indicator, along with improving the ecological functioning of these parks.



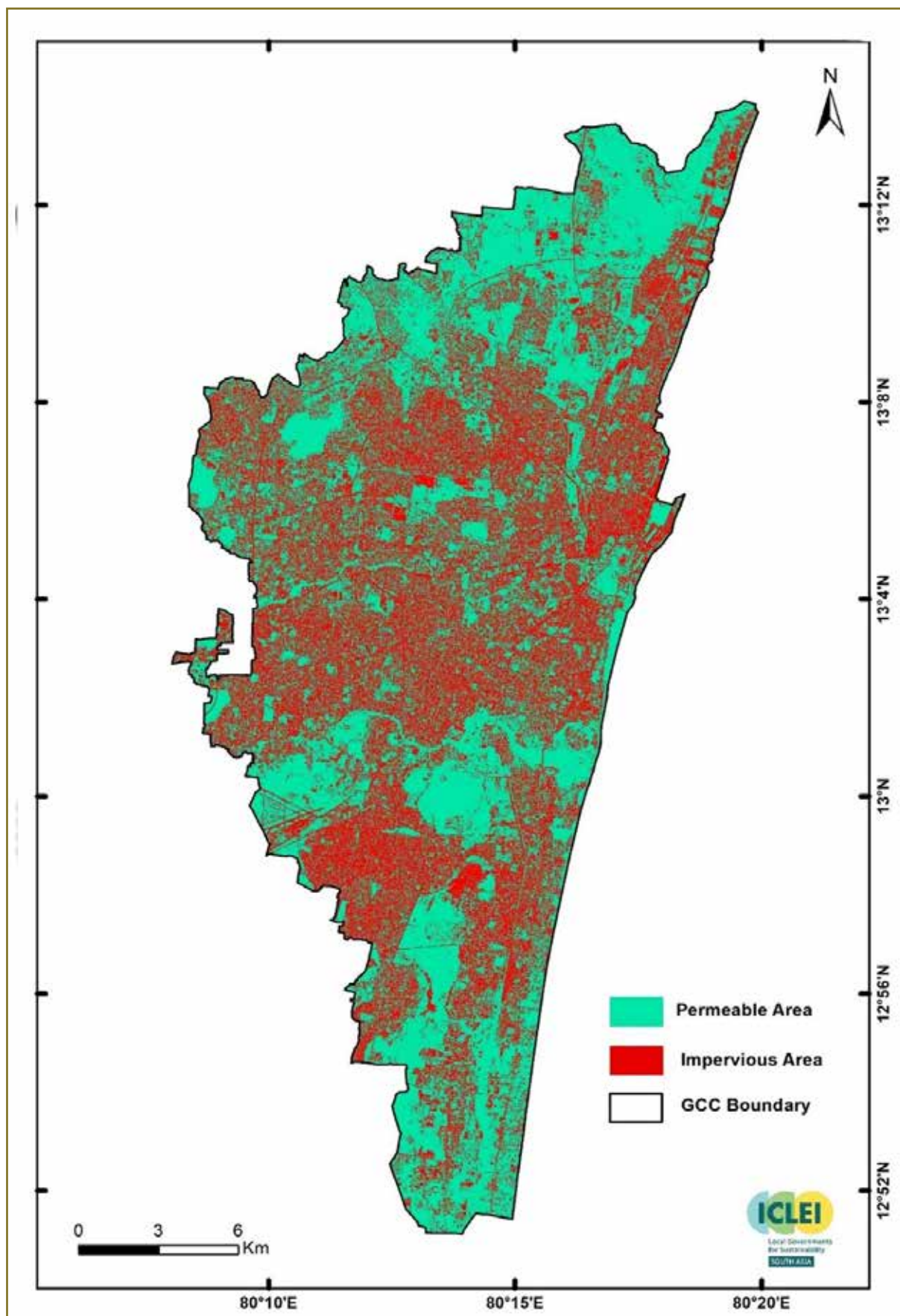


FIGURE 3: PERMEABLE AREA OF GCC

INDICATOR 12 : CLIMATE REGULATION

CARBON STORAGE AND COOLING EFFECT OF VEGETATION

METHODOLOGY

How to calculate indicator

$(\text{Tree canopy cover}) \div (\text{Total terrestrial area of the city}) \times 100\%$

Scoring Range: (based on the CBI user manual)

- 0 point: < 10.5%
- 1 point: 10.5% - 19.1%
- 2 points: 19.2% - 29.0%
- 3 points: 29.1% - 59.7%
- 4 points: > 59.7%

CITY DATA AND CALCULATIONS

In order to calculate indicator 12, a tree cover map (Figure 5) was developed using Sentinel satellite imagery (less than 1% cloud cover). The data was extracted from the USGS Earth Explorer program for the analysis of the GCC Area. Area. Sentinel bands 2, 3, 4, 8, were pre-processed and used in the supervised classification process. Land use classes of forest, avenue tree patches, and plantations, were utilized in the supervised classification. After the LULC classification, the respective land classes were merged and tree cover map was prepared.

Item	Area (sq. km.)
Tree cover	7488.81
Total terrestrial area	41400.23

Tree cover = $(7488.81) / (41400.23) \times 100$

RESULT: 18.09%

SCORE: 1



RECOMMENDATIONS TO IMPROVE SCORE

The 2021 Annual Forest Report [36] observed a 26% increase in Chennai's forest cover over the last decade (2011-2021), which has been attributed to the Miyawaki initiative by GCC.

Like other Indian cities, the number of ornamental species is increasing in comparison to native species. The existing green cover has a significant proportion of invasive species such as *Prosopis juliflora*. These invasives need to be replaced with native species. Learnings from successful examples of removal of invasives and establishment of native species can be put into implementation by the city. It is recommended that the city have discussions with scientists at the Centre for Ecological Restoration of Degraded Ecosystems, University of Delhi, in this regard.

Palms, mangroves, riverine vegetation which were the main constituents of Chennai's native vegetation should be considered in planting programs. Nurseries under the Forest Department and Horticulture Department should focus on propagating indigenous species and endemic species and distributing these to the citizens and for mass plantation events.

Avenue plantations and plantations in institutional spaces can be augmented to increase the score through collaborations with TNGCC, which already has mechanisms and protocols in place to accelerate green cover in the State.



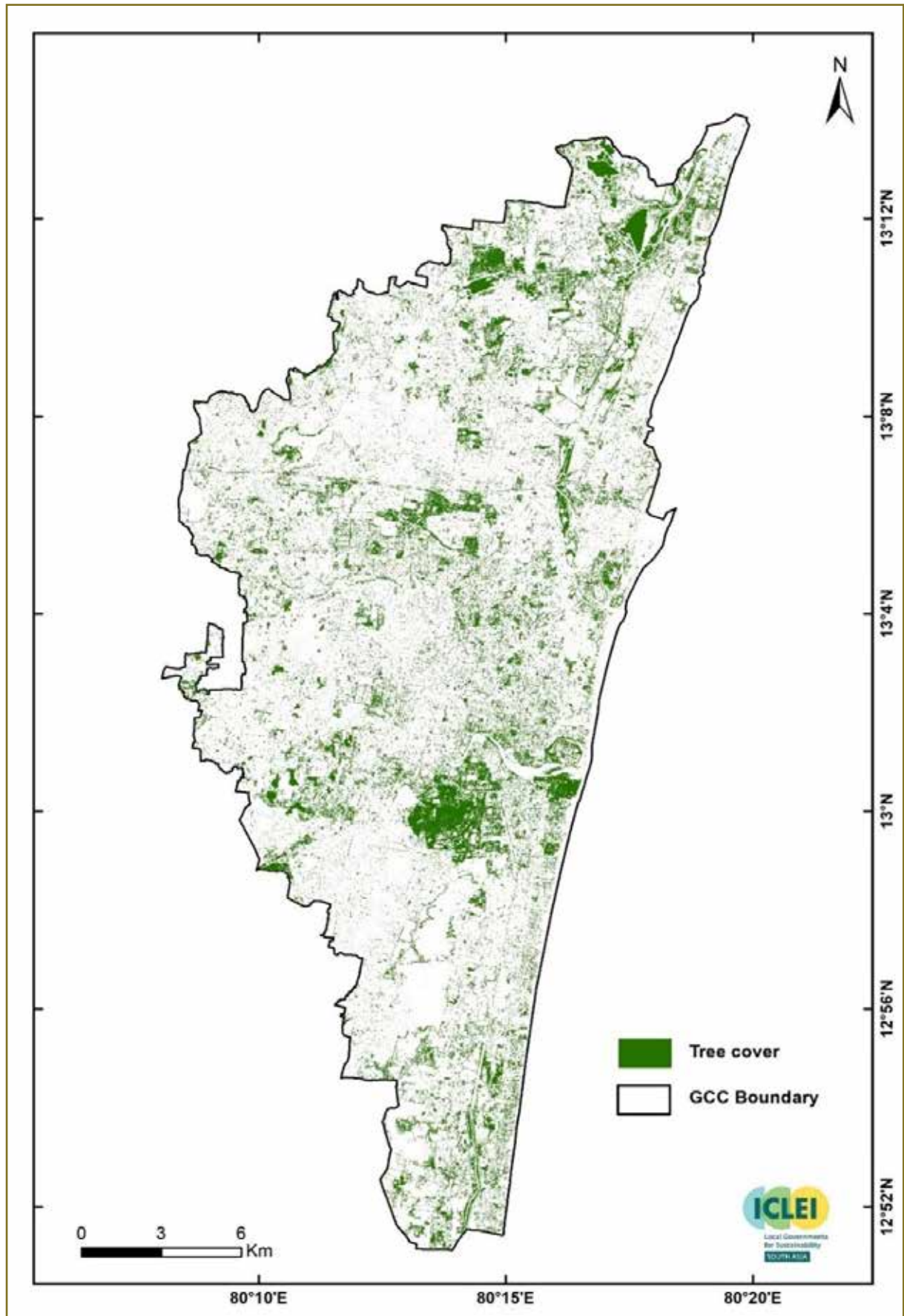


Figure 4: Tree Cover Map of GCC

INDICATOR 13 : RECREATIONAL SERVICE

METHODOLOGY

How to calculate indicator

(Area of parks with natural areas and protected or secured natural areas)/1000 persons

Scoring Range: (based on the CBI user manual)

- 0 point: < 0.1 ha/1000 persons
- 1 point: 0.1 - 0.3 ha/1000 persons
- 2 points: 0.4 - 0.6 ha/1000 persons
- 3 points: 0.7 - 0.9 ha/1000 persons
- 4 points: > 0.9 ha/1000 persons

City Data and Calculations

There are 908 parks in Chennai which are under various government agencies. GCC manages 161 of these parks, 621 are outsourced to third parties and 120 are maintained through adoption of a park; 3 are maintained by SHG and 2 by CMRL. Together the parks make up a total area of 213.05 ha (Annexure 3).

In addition to the Corporation, the CRRT manages the Adyar Creek & Estuary Project – Phase 1 (Adyar Poonga) and Phase 2 Ecoparks which occupy an area of 58 acres and 242 acres, respectively. The Tamil Nadu Horticulture Department manages the city's botanical gardens, Semmozhi Poonga (3.17 ha) and Madhavaram Botanical Garden (8.5 ha) while the Forest Department manages the city's protected and reserve forests such as Guindy National Park and Pallikaranai Marshland. Within Guindy National Park, the Children's Park and Snake Park are accessible to the public as recreational spaces and cover an area of 22 acres. The park of the Pallikaranai Marshland accessible to the public has an area of 2.5 acres.

An important recreational space, is the coastal beaches, maintained by GCC. This covers an area of 428.51 ha.

Total area of parks in Chennai = 356.02 ha

Total area of beaches in Chennai = 428.51 ha

Recreational Services = 784.53/1000



RESULT: 0.78 ha /person

SCORE: 3

RECOMMENDATIONS TO IMPROVE SCORE

There are several established and upcoming eco-parks in the city aimed at restoration of Chennai's Adyar Creek, Cooum and Buckingham Canals and at Pallikaranai. These eco-parks, add to improvement in the recreational areas in the city. In addition, the sponge parks, which are presently under development, will also help to boast the score of the city under this indicator.

GCC can increase the use of indigenous plants to improve biodiversity and reduce maintenance costs in the eco-parks and sponge parks. This approach not only supports local wildlife but also enhances the aesthetic appeal of parks. Development of community urban forests, with support from NGOs, can also help improve the score under this indicator. The Biodiversity Management Committee can play a lead role in forging such partnerships.



INDICATOR 14 : EDUCATIONAL SERVICE

METHODOLOGY

How to calculate indicator

Average number of formal educational visits per child below 16 years to parks with natural areas or protected or secured natural areas per year

Scoring Range: (based on the CBI user manual)

0 point:	0 formal educational visit/year
1 point:	1 formal educational visit/year
2 points:	2 formal educational visits/year
3 points:	3 formal educational visits/year
4 points:	> 3 formal educational visits/year

CITY DATA AND CALCULATIONS

Discussions with officials of GCC and other stakeholders yielded the information that park visits are not mandatory for schools, as per the set curriculum. However, schools do voluntarily organize these visits, in accordance with their schedule.

Therefore, no formal educational visits per child below 16 years take place to parks with natural areas or protected or secured natural areas per year.

**RESULT: No formal
educational visit/year**

SCORE: 0

RECOMMENDATIONS TO IMPROVE SCORE

Though the city administration has limited influence on the curriculum of the various boards followed by schools in the city, they can give a directive to municipal schools to include such visits in their curriculum. It must be highlighted however that GCC has been proactive about this by initiating a pilot programme on nature-based learning in five municipal schools with a local NGO, the Palluyir Trust. If institutionalised, Chennai will be the first Indian city to establish a system of formal educational visits of school children to parks and natural areas. GCC can also encourage municipal school teachers to undergo teacher trainings on nature-based learning, which will support practical learning and help students connect with nature.

GOVERNANCE AND MANAGEMENT OF BIODIVERSITY

INDICATOR 15 : BUDGET ALLOCATED TO BIO DIVERSITY

METHODOLOGY

How to calculate indicator

$(\text{Amount spent on biodiversity related administration}) \div (\text{Total budget of city}) \times 100\%$

Scoring Range: (based on the CBI user manual)

0 point:	< 0.4%
1 point:	0.4% - 2.2%
2 points:	2.3% - 2.7%
3 points:	2.8% - 3.7%
4 points:	> 3.7%

CITY DATA AND CALCULATIONS

The following budget allocations in the city budget for the financial year 2023-24 contribute to biodiversity conservation

1) Singara Chennai = INR 620,000,000

2) Parks and Gardens = INR 100,000,000

Total Budget of GCC = INR 44,662.9 million

Total Budget Allocated for Biodiversity = INR 720 million

$(720) \div (44,662.9) \times 100$

RESULT: 1.6%

SCORE: 1

RECOMMENDATIONS TO IMPROVE SCORE

Presently the main budget allocations for biodiversity fall under park development, maintenance and beautification, and some plantation work. The city must take up a more active role in biodiversity governance. Budgeting for retrofitting parks with permeable surfaces, increasing the opportunities for awareness and education through meaningful and interactive signage can have better outcomes on the resilience and biodiversity of Chennai. The city should develop the Local Biodiversity Strategy and Action Plan, which will help to improve allocation of funds for biodiversity related activities.

INDICATOR 16: NUMBER OF BIODIVERSITY PROJECTS IMPLEMENTED BY THE CITY ANNUALLY

METHODOLOGY

How to calculate indicator

Number of programmes and projects that are being implemented by the city authorities, possibly in partnership with private sector, NGOs, etc. per year.

In addition to submitting the total number of projects and programmes carried out, cities are encouraged to provide a listing of the projects and to categorise the list into projects that are:

1. Biodiversity related
2. Ecosystems services related

Scoring Range: (based on the CBI user manual)

- 0 point: < 12 programmes/projects
- 1 point: 12 - 21 programmes/projects
- 2 points: 22 - 39 programmes/projects
- 3 points: 40 - 71 programmes/projects
- 4 points: > 71 programmes/projects

City Data and Calculations

Chennai city has implemented the following projects and programmes related to biodiversity in the year 2023-24 with support from other government bodies, NGOs and the private sector:

- Water bodies and parks have been developed under AMRUT 2.0
- Under Singara Chennai 2.0, greening of traffic islands, central meridians and beautification of parks are being carried out
- Development of 58 Sponge Parks in association with NGOs and parastatal agencies to improve ground water recharge and permeability
- Management and improvement of 189 parks
- Plantation work and associated maintenance along avenues, riverine areas and flyovers

RESULT: <12

SCORE: 0

RECOMMENDATIONS TO IMPROVE SCORE

GCC needs to take up more varied projects with a variety of stakeholders to improve this score. Partnering with the Corporate Social Responsibility wings of several companies operating in the city, NGOs and educational institutions to scientifically restore and improve lakes, parks and green spaces in the city are low hanging fruits which the city can start immediately. Furthermore, the GCC should also develop the Local Biodiversity Strategy and Action Plan which will help to identify suitable partnerships, funding sources and activities targeted at improving biodiversity.

INDICATOR 17: POLICIES, RULES AND REGULATIONS

EXISTENCE OF LOCAL BIODIVERSITY STRATEGY AND ACTION PLAN

METHODOLOGY

How to calculate indicator

Status of LBSAP (or any equivalent plan); number of associated CBD initiatives.

Scoring Range: (based on the CBI user manual)

- 0 point: No LBSAP*
- 1 point: LBSAP not aligned with NBSAP
- 2 points: LBSAP incorporates elements of NBSAP, but does not include any CBD initiatives**
- 3 points: LBSAP incorporates elements of NBSAP, and includes one to three CBD initiatives
- 4 points: LBSAP incorporates elements of NBSAP, and includes four or more CBD initiatives

* LBSAP or equivalent.

** The thematic programmes of work and cross-cutting issues of the CBD are listed in <http://www.cbd.int/programmes/>. The Strategic Plan for Biodiversity (2011-2020), including the Aichi Biodiversity Targets can also be used as a reference framework (<http://www.cbd.int/sp/default.shtml>).

City Data and Calculations

The LBSAP of Chennai city has not yet been developed.

RESULT: No LBSAP

SCORE: 0



RECOMMENDATIONS TO IMPROVE SCORE

Developing an LBSAP can improve several indicators' score, which will help the city better plan and administer to its local biodiversity.

INDICATOR 18 : INSTITUTIONAL CAPACITY - ESSENTIAL BIODIVERSITY RELATED FUNCTIONS

METHODOLOGY

How to calculate indicator

Number of essential biodiversity related functions* that the city uses.

* The functions could include the following: biodiversity centre, botanical garden, herbarium, zoological garden or museum, insectarium, etc.

Scoring Range: (based on the CBI user manual)

0 point:	No functions
1 point:	1 function
2 points:	2 functions
3 points:	3 functions
4 points:	> 3 functions

CITY DATA AND CALCULATIONS

Chennai has the following biodiversity functions within its boundaries

1. *Periyar Science and Technology Centre, where the Birla Planetarium is housed*
2. *Government Museum*
3. *Semmozhi Poonga Botanical Garden*
4. *Madhavaram Botanical Garden*
5. *Snake Park at Guindy National Park*
6. *Nature Education Centre at Children's Park in Guindy National Park*
7. *Fauna museum at Madras Christian College*
8. *Entomology section at Loyala College*

There are several information boards on biodiversity within the Pallikarani Wetlands as well.

RESULT: 8

SCORE: 4

RECOMMENDATIONS TO MAINTAIN SCORE

A number of biodiversity functions exist in the city and they seem to be well accessed as well. Regular maintenance of these facilities, will help to further improve biodiversity communication.

Simplifying science and improving science communication through interactive displays and interpretation centres in all public spaces will also improve their utilisation and awareness.

INDICATOR 19 : INSTITUTIONAL CAPACITY - INTER - AGENCY CO - OPERATION

METHODOLOGY

How to calculate indicator

Number of city or local government agencies involved in inter-agency co-operation pertaining to biodiversity matters.

Scoring Range: (based on the CBI user manual)

- 0 point: 1 or 2 agencies* cooperate on biodiversity matters
- 1 point: 3 agencies cooperate on biodiversity matters
- 2 points: 4 agencies cooperate on biodiversity matters
- 3 points: 5 agencies cooperate on biodiversity matters
- 4 points: > 5 agencies cooperate on biodiversity matters

* Agencies could include departments or authorities responsible for biodiversity, planning, water, transport, development, finance, infrastructure, etc.

City Data and Calculations

Biodiversity issues are cross-sectorial and, require inter-agency efforts. While there are collaborations between GCC and various district and state government agencies on various infrastructural projects in the city, local agencies who work on biodiversity related projects are limited. Given below are various local government agencies that are involved in matters related to biodiversity conservation in the city.

- 1) GCC
- 2) CSCL
- 3) CRRT

RESULT: 3

SCORE: 1

RECOMMENDATIONS TO IMPROVE SCORE

The city needs to facilitate more inter-agency cooperation on biodiversity issues, in order to improve the score under this indicator. The city can look into establishing an outreach and research wing, which will assist the city and the Biodiversity Management Committee in undertaking projects on biodiversity conservation. The successful example of Centre for Heritage, Environment and Development, the research wing of Kochi Municipal Corporation, can also be studied by GCC.

INDICATOR 20 : PARTICIPATION AND PARTNERSHIP

FORMAL OR INFORMAL PUBLIC CONSULTATION

METHODOLOGY

How to calculate indicator

Existence and state of formal or informal public consultation process pertaining to biodiversity related matters.

Scoring Range: (based on the CBI user manual)

- 0 point: No routine formal or informal process
- 1 point: Formal or informal process being considered as part of the routine process
- 2 points: Formal or informal process being planned as part of the routine process
- 3 points: Formal or informal process in the process of being implemented as part of the routine process
- 4 points: Formal or informal process exists as part of the routine process

CITY DATA AND CALCULATIONS

The GCC consults its citizens on matters related to biodiversity especially in projects funded by international organisations like the World Bank, Asian Development Bank, KfW. The resident welfare associations too, are involved in greening of their areas and are regularly consulted by GCC. Public consultation process pertaining to biodiversity exists in the city.

RESULT: Formal or informal process exists as part of the routine process

SCORE: 4

RECOMMENDATIONS TO MAINTAIN SCORE

To maintain this score the GCC must continue public consultations in spheres related to and that impact biodiversity. This will improve public participation, public ownership and transparency. Developing a formal consultation structure and integrating the same with actions taken up through the annual municipal budget will also help the city to maintain the high score.



INDICATOR 21 : PARTICIPATION AND PARTNERSHIP INSTITUTIONAL PARTNERSHIP

METHODOLOGY

How to calculate indicator

Number of agencies/private companies/NGOs/academic institutions/international organisations with which the city is partnering in biodiversity activities, projects and programmes.

Instances of inter-agency co-operation listed in Indicator 19 should not be listed here again.

Scoring Range: (based on the CBI user manual)

- 0 point: No formal or informal partnerships*
- 1 point: City in partnership with 1-6 other national or subnational agencies/private companies/NGOs/academic institutions/international organisations*
- 2 points: City in partnership with 7-12 other national or subnational agencies/private companies/NGOs/academic institutions/international organisations*
- 3 points: City in partnership with 13-19 other national or subnational agencies/private companies/NGOs/academic institutions/international organisations*
- 4 points: City in partnership with 20 or more other national or subnational agencies/private companies/NGOs/academic institutions/international organisations*

City Data and Calculations

GCC is presently partnering with the following agencies on biodiversity-related activities, projects, and programmes.

- 1) ICLEI - Local Governments for Sustainability, South Asia for development of the City Biodiversity Index
- 2) Environmentalist Foundation of India for the Samudra Ocean Conservation Project, Restoration of Lakes and Ponds and afforestation work within GCC jurisdiction
- 3) Palluyir Trust for nature-based learning in public parks
- 4) Chennai Metropolitan Development Authority on development of Sponge Parks
- 5) Communitree for creation of urban forests and waste management
- 6) Thuvakkam for creation of urban forests
- 7) Seeraku for creation of urban forests and other plantation activities
- 8) ExNoRa International Foundation for waste management and plantation activities
- 9) Green Velachery for plantation drives
- 10) Nilalgal for greening and tree protection
- 11) Eco Green for plantation activities

RESULT: 11

SCORE: 2

RECOMMENDATIONS TO IMPROVE SCORE

GCC can improve its score on this indicator by forging more partnerships with NGOs, academic institutions and international organisations. While the city is partnering with several NGOs, there is scope for increasing partnerships with academic institutions and international organisations, already working in the city on biodiversity related matters.



INDICATOR 22 : EDUCATION AND AWARENESS: IS BIODIVERSITY OR NATURE AWARENESS INCLUDED IN THE SCHOOL CURRICULUM

METHODOLOGY

How to calculate indicator

Is biodiversity or nature awareness included in the school curriculum (e.g. biology, geography, etc.)?

Scoring Range: (based on the CBI user manual)

- 0 point: Biodiversity or elements of it are not covered in the school curriculum
- 1 point: Biodiversity or elements of it are being considered for inclusion in the school curriculum
- 2 points: Biodiversity or elements of it are being planned for inclusion in the school curriculum
- 3 points: Biodiversity or elements of it are in the process of being implemented in the school curriculum
- 4 points: Biodiversity or elements of it are included in the school curriculum

City Data and Calculations

The schools within the city follow the curriculum of various boards such as the Central Board of Secondary Education (CBSE), Tamil Nadu State Common Board of School Education and Indian Certificate of Secondary Education (ICSE).

All these boards have included biodiversity and nature awareness in various subjects like Biology, Geography and Environmental Sciences. Therefore, biodiversity or elements of it are included in the school curriculum.

RESULT: Biodiversity or elements of it are included in the school curriculum

SCORE: 4

RECOMMENDATIONS TO MAINTAIN SCORE

Though the city has scored very high here, it needs to be noted that this indicator measures the theoretical aspects of biodiversity education. Indicator 14, which measures practical aspects of biodiversity education, received the lowest score possible. This highlights that environmental education not just in Chennai, but in the country at large, needs to strike the right balance between theory and practice. Once the pilot programme on nature-based learning is institutionalised, then GCC will be able to showcase the correct balance needed between theoretical and practical learning on biodiversity.

INDICATOR 23: EDUCATION AND AWARENESS

NUMBER OF OUTREACH OR PUBLIC AWARENESS EVENTS

METHODOLOGY

How to calculate indicator

Number of outreach or public awareness events held in the city per year.

Scoring Range: (based on the CBI user manual)

0 point:	0 outreach events/year
1 point:	1 - 59 outreach events/year
2 points:	60 - 149 outreach events/year
3 points:	150-300 outreach events/year
4 points:	> 300 outreach events/year

City Data and Calculations

The major outreach programmes instituted by GCC include tree plantation activities, Swachh Bharat / Cleanliness drives and beach cleaning activities.

RESULT: 1 - 59

SCORE: 1

RECOMMENDATIONS TO IMPROVE SCORE

Some NGOs like Pitchandikulam Forest Consultants, Environmentalist Foundation of India, Palluyir Trust, Nizhal conduct awareness and nature education programs on a regular basis in the city. Environmentalist Foundation of India for example runs a museum on wheels, a limnology laboratory that teaches children about lake ecology, Palluyir Trust organises nature walks and promotes nature learning, Nizhal organises tree walks. Although the city government has some association with these organisations, it should formally tie-up with them to undertake regular city-level outreach programmes in the sphere of biodiversity. The Green Tamil Nadu Mission introduced a Heritage Tree Tour of Chennai in 2023, which it plans to continue in 2024. Collaborating with the mission to institutionalise these types of tours will also help to improve the score on this indicator.

Table 2: Summary of the Points received for each Indicator

	Maximum Score	Chennai City's Score
Component – Native Biodiversity		
Indicators		
1. Proportion of Natural Areas in the City	4 points	4 points
2. Connectivity Measures	4 points	4 points
3. Native Biodiversity in Built Up Areas (Bird Species)	4 points	4 points
4. Change in Number of Vascular Plant Species	4 points	N/A
5. Change in Number of Bird Species	4 points	N/A
6. Change in Number of Freshwater fish Species	4 points	N/A
7. Change in Number of Species (Odonates)	4 points	N/A
8. Change in Number of Species (Amphibians)	4 points	N/A
9. Proportion of Protected Natural Areas	4 points	1 point
10. Proportion of Invasive Alien Species	4 points	2 points
Component – Ecosystem Services Provided by Biodiversity		
Indicators		
11. Regulation of Quantity of Water	4 points	2 points
12. Climate Regulation: Carbon Storage and Cooling Effect of Vegetation	4 points	1 point
13. Recreation and Education: Area of Parks with Natural Areas	4 points	3 points
14. Recreation and Education: Number of Formal Education Visits per Child Below 16 Years to Parks with Natural Areas per Year	4 points	0 points
Component – Governance and Management of Biodiversity		
Indicators		
15. Budget Allocated to Biodiversity	4 points	1 point
16. Number of Biodiversity Projects Implemented by the City Annually	4 points	0 points
17. Existence of Local Biodiversity Strategy and Action Plan	4 points	0 points
18. Institutional Capacity: Number of Biodiversity Related Function	4 points	4 points
19. Institutional Capacity: Number of City or Local Government Agencies Involved in Inter-agency Cooperation Pertaining to Biodiversity Matters	4 points	1 point
20. Participation and Partnership: Existence of Formal or Informal Public Consultation Process	4 points	4 points
21. Participation and Partnership: Number of Agencies/Private Companies/ NGOs/Academic Institutions/International Organisations with which the City is Partnering in Biodiversity Activities, Projects and Programmes	4 points	2 points
22. Education and Awareness: Is Biodiversity or Nature Awareness Included in the School Curriculum	4 points	4 points
23. Education and Awareness: Number of Outreach or Public Awareness Events Held in the City per Year	4 points	1 points
Component – Native Biodiversity in the City (Sub-total for indicators 1-10)*		15 / 20 points*
Component – Ecosystem Services provided by Biodiversity (Sub-total for indicators 11-14)		6 / 16 points
Component – Governance and Management of Biodiversity (Sub-total for indicators 15-23)		17 / 36 points
Total		38 / 72 points

* as this is the baseline year, the score will only be applicable for five indicators out of ten

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ANNEXURE 1 – CALCULATION OF INDICATOR 2

Table 3: Calculation of patch size of natural spaces in Chennai

Patch No	Area (ha)	Area square (ha ²)	Patch No	Area (ha)	Area square (ha ²)
A1	6384.28	40759031.12	A35	9.46	89.50
A2	321.63	103447.79	A36	9.28	86.16
A3	293.24	85987.35	A37	8.57	73.47
A4	177.01	31333.96	A38	8.49	72.16
A5	143.66	20637.62	A39	8.46	71.56
A6	82.74	6846.11	A40	8.22	67.54
A7	79.05	6249.06	A41	8.16	66.62
A8	76.30	5821.22	A42	8.14	66.22
A9	62.34	3886.23	A43	8.01	64.20
A10	61.83	3823.43	A44	7.74	59.86
A11	61.40	3769.64	A45	7.73	59.80
A12	37.66	1418.56	A46	7.06	49.82
A13	23.65	559.11	A47	6.65	44.26
A14	23.58	556.15	A48	6.56	43.07
A15	20.10	404.11	A49	6.43	41.39
A16	19.63	385.42	A50	6.30	39.65
A17	19.38	375.69	A51	6.20	38.40
A18	18.70	349.73	A52	6.06	36.77
A19	16.92	286.43	A53	6.02	36.22
A20	16.68	278.23	A54	5.98	35.75
A21	15.88	252.24	A55	5.85	34.21
A22	15.60	243.44	A56	5.69	32.38
A23	14.93	223.03	A57	5.66	31.99
A24	14.91	222.33	A58	5.53	30.54
A25	14.33	205.42	A59	5.39	29.07
A26	12.88	165.81	A60	5.38	28.93
A27	12.83	164.69	A61	5.25	27.55
A28	12.60	158.84	A62	5.22	27.25
A29	11.81	139.59	A63	5.20	27.00
A30	11.49	131.95	A64	5.17	26.75
A31	11.44	130.82	A65	4.90	24.02
A32	10.24	104.87	A66	4.82	23.25
A33	10.21	104.23	A67	4.79	22.96
A34	9.52	90.61	A68	4.52	20.40

Patch No	Area (ha)	Area square (ha ²)
A69	4.46	19.93
A70	4.39	19.23
A71	4.34	18.83
A72	4.32	18.63
A73	4.30	18.52
A74	4.28	18.34
A75	4.28	18.30
A76	4.23	17.91
A77	4.09	16.74
A78	4.01	16.09
A79	3.99	15.92
A80	3.95	15.57
A81	3.91	15.33
A82	3.78	14.29
A83	3.69	13.65
A84	3.61	13.05
A85	3.49	12.19
A86	3.34	11.13
A87	3.23	10.41
A88	3.22	10.37
A89	3.20	10.25
A90	3.17	10.04
A91	3.14	9.86
A92	3.10	9.58
A93	3.00	9.02
A94	2.97	8.85
A95	2.86	8.20
A96	2.84	8.07
A97	2.80	7.82
A98	2.76	7.62
A99	2.74	7.53
A100	2.70	7.30
A101	2.64	6.99
A102	2.64	6.99
A103	2.64	6.98
A104	2.55	6.53
A105	2.47	6.11
A106	2.44	5.95
A107	2.40	5.77
A108	2.35	5.54
A109	2.28	5.21

Patch No	Area (ha)	Area square (ha ²)
A110	2.24	5.03
A111	2.22	4.93
A112	2.20	4.84
A113	2.14	4.59
A114	2.11	4.43
A115	2.08	4.32
A116	2.07	4.29
A117	2.04	4.16
A118	2.02	4.07
A119	2.00	4.01
A120	1.97	3.89
A121	1.90	3.60
A122	1.88	3.54
A123	1.84	3.39
A124	1.82	3.30
A125	1.74	3.02
A126	1.72	2.95
A127	1.71	2.93
A128	1.66	2.77
A129	1.61	2.58
A130	1.57	2.46
A131	1.55	2.41
A132	1.54	2.37
A133	1.51	2.28
A134	1.51	2.27
A135	1.50	2.26
A136	1.50	2.24
A137	1.49	2.21
A138	1.47	2.17
A139	1.46	2.12
A140	1.43	2.04
A141	1.42	2.02
A142	1.41	1.97
A143	1.39	1.93
A144	1.35	1.82
A145	1.35	1.81
A146	1.33	1.76
A147	1.31	1.72
A148	1.31	1.72
A149	1.31	1.72
A150	1.30	1.68

Patch No	Area (ha)	Area square (ha ²)
A151	1.29	1.67
A152	1.29	1.67
A153	1.28	1.64
A154	1.28	1.63
A155	1.27	1.61
A156	1.23	1.52
A157	1.23	1.51
A158	1.20	1.43
A159	1.19	1.41
A160	1.17	1.37
A161	1.13	1.27
A162	1.04	1.07
A163	1.03	1.06
A164	1.02	1.04
A165	1.02	1.03
A166	1.00	1.01
A167	0.99	0.99
A168	0.99	0.98
A169	0.99	0.98
A170	0.99	0.97
A171	0.98	0.97
A172	0.98	0.96
A173	0.96	0.93
A174	0.96	0.92
A175	0.90	0.81
A176	0.88	0.78
A177	0.88	0.77
A178	0.87	0.76
A179	0.87	0.75
A180	0.86	0.74
A181	0.85	0.73
A182	0.83	0.68
A183	0.81	0.65
A184	0.81	0.65
A185	0.81	0.65
A186	0.80	0.64
A187	0.79	0.63
A188	0.79	0.63
A189	0.79	0.62
A190	0.79	0.62
A191	0.77	0.60

Patch No	Area (ha)	Area square (ha ²)
A192	0.74	0.55
A193	0.74	0.55
A194	0.74	0.55
A195	0.74	0.55
A196	0.73	0.53
A197	0.73	0.53
A198	0.72	0.52
A199	0.72	0.52
A200	0.70	0.50
A201	0.70	0.49
A202	0.70	0.49
A203	0.69	0.48
A204	0.68	0.47
A205	0.66	0.43
A206	0.65	0.43
A207	0.65	0.42
A208	0.64	0.41
A209	0.64	0.41
A210	0.63	0.40
A211	0.63	0.40
A212	0.60	0.36
A213	0.59	0.35
A214	0.59	0.35
A215	0.58	0.33
A216	0.57	0.32
A217	0.56	0.31
A218	0.55	0.30
A219	0.54	0.29
A220	0.54	0.29
A221	0.54	0.29
A222	0.53	0.28
A223	0.53	0.28
A224	0.53	0.28
A225	0.52	0.27
A226	0.52	0.27
A227	0.52	0.27
A228	0.51	0.26
A229	0.51	0.26
A230	0.51	0.26
A231	0.51	0.26
A232	0.51	0.26

Patch No	Area (ha)	Area square (ha ²)
A233	0.50	0.25
A234	0.50	0.25
A235	0.49	0.24
A236	0.49	0.24
A237	0.48	0.23
A238	0.48	0.23
A239	0.48	0.23
A240	0.48	0.23
A241	0.48	0.23
A242	0.46	0.22
A243	0.45	0.21
A244	0.45	0.20
A245	0.44	0.20
A246	0.43	0.19
A247	0.43	0.18
A248	0.43	0.18
A249	0.43	0.18
A250	0.41	0.17
A251	0.41	0.17
A252	0.40	0.16
A253	0.40	0.16
A254	0.40	0.16
A255	0.40	0.16
A256	0.39	0.15
A257	0.39	0.15
A258	0.39	0.15
A259	0.39	0.15
A260	0.38	0.15
A261	0.38	0.15
A262	0.37	0.14
A263	0.37	0.13
A264	0.36	0.13
A265	0.36	0.13
A266	0.36	0.13
A267	0.36	0.13
A268	0.35	0.12
A269	0.35	0.12
A270	0.35	0.12
A271	0.34	0.11
A272	0.33	0.11
A273	0.33	0.11
A274	0.33	0.11

Patch No	Area (ha)	Area square (ha ²)
A275	0.32	0.10
A276	0.32	0.10
A277	0.30	0.09
A278	0.28	0.08
A279	0.27	0.07
A280	0.26	0.07
A281	0.26	0.07
A282	0.25	0.06
A283	0.25	0.06
A284	0.24	0.06
A285	0.24	0.06
A286	0.23	0.05
A287	0.23	0.05
A288	0.23	0.05
A289	0.23	0.05
A290	0.20	0.04
A291	0.20	0.04
A292	0.20	0.04
A293	0.20	0.04
A294	0.19	0.04
A295	0.19	0.04
A296	0.19	0.04
A297	0.17	0.03
A298	0.16	0.03
A299	0.15	0.02
A300	0.15	0.02
A301	0.14	0.02
A302	0.14	0.02
A303	0.14	0.02
A304	0.13	0.02
A305	0.13	0.02
A306	0.12	0.01
A307	0.12	0.01
A308	0.12	0.01
A309	0.11	0.01
A310	0.10	0.01
A311	0.09	0.01
A312	0.08	0.01
A313	0.07	0.01
A314	0.07	0.01
A315	0.07	0.00
Total	8637.49	41039973.65

ANNEXURE 2 – SPECIES LISTS

Table 4: Birds recorded from Chennai city used in the calculation of Indicators 3 and 5

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
1	Gray Wagtail	<i>Motacilla cinerea</i>	Motacillidae	M	
2	Common Sparrow	<i>Passer domesticus</i>	Passeridae	R	Yes
3	Grey-bellied cuckoo	<i>Cacomantis passerinus</i>	Cuculidae	R	No
4	Pied Crested Cuckoo	<i>Clamator jacobinus</i>	Cuculidae	M	
5	Black Drongo	<i>Dicrurus macrocercus</i>	Dicruridae	R	Yes
6	White-browed Bulbul	<i>Pycnonotus luteolus</i>	Pycnonotidae	R	No
7	Red-vented Bulbul	<i>Pycnonotus cafer</i>	Pycnonotidae	R	Yes
8	Tawny-bellied Babbler	<i>Dumetia hypertyra</i>	Timaliidae	R	No
9	Magpie Robin	<i>Copsychus saularis</i>	Muscicapidae	R	Yes
10	Black Kite	<i>Milvus migrans</i>	Accipitridae	R	Yes
11	Asian Koel	<i>Eudynamys scolopaceus</i>	Cuculidae	R	Yes
12	Indian Pitta	<i>Pitta brachyura</i>	Pittidae	M	No
13	Common Indian Myna	<i>Acridotheres tristis</i>	Sturnidae	R	Yes
14	Blue throated Flycatcher	<i>Cyornis rubeculoides</i>	Muscicapidae	M	
15	Large-billed crow	<i>Corvus macrorhynchos</i>	Corvidae	R	Yes
16	Ashy Prinia	<i>Prinia socialis</i>	Cisticolidae	R	Yes
17	Black bittern	<i>Ixobrychus flavicollis</i>	Ardeidae	R	No
18	Black capped kingfisher	<i>Halcyon pileata</i>	Alcedinidae	M	No
19	Blue rock pigeon	<i>Columba livia</i>	Columbidae	R	Yes
20	Chestnut bittern	<i>Ixobrychus cinnamomeus</i>	Ardeidae	R	No
21	Eurasian teal	<i>Anas crecca</i>	Anatidae	M	No
22	Coppersmith Barbet	<i>Psilopogon haemacephalus</i>	Megalaimidae	R	Yes
23	Greater Coucal	<i>Centropus sinensis</i>	Cuculidae	R	Yes
24	Darter	<i>Anhinga melanogaster</i>	Anhingidae	R	No
25	Forest Wagtail	<i>Dendronanthus indicus</i>	Motacillidae	M	No
26	Chestnut-tailed Starling	<i>Sturnia malabarica</i>	Sturnidae	LM	Yes
27	Grey heron	<i>Ardea cinerea</i>	Ardeidae	R	No
28	Grey francolin	<i>Ortygornis pondicerianus</i>	Phasianidae	R	Yes
29	Common hoopoe	<i>Upupa epops</i>	Upupidae	R	Yes
30	House crow	<i>Corvus splendens</i>	Corvidae	R	Yes
31	House swift	<i>Apus affinis</i>	Apodidae	R	Yes
32	Eurasian Moorhen	<i>Gallinula chloropus</i>	Rallidae	R	Yes
33	River tern	<i>Sterna aurantia</i>	Laridae	LM	No
34	Indian Robin	<i>Copsychus fulicatus</i>	Muscicapidae	R	Yes

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
35	Indian Treepie	<i>Dendrocitta vagabunda</i>	Corvidae	R	Yes
36	White-browed wagtail	<i>Motacilla maderaspatensis</i>	Motacillidae	R	Yes
37	Lesser golden-backed woodpecker	<i>Dinopium benghalense</i>	Picidae	R	Yes
38	Pied kingfisher	<i>Ceryle rudis</i>	Alcedinidae	R	No
39	Laughing Dove	<i>Spilopelia senegalensis</i>	Columbidae	R	Yes
40	Little grebe	<i>Tachybaptus ruficollis</i>	Podicipedidae	R	No
41	Little Cormorant	<i>Microcarbo niger</i>	Phalacrocoracidae	R	No
42	Little egret	<i>Egretta garzetta</i>	Ardeidae	R	Yes
43	Black-crowned Night-heron	<i>Nycticorax nycticorax</i>	Ardeidae	R	Yes
44	Asian Openbill	<i>Anastomus oscitans</i>	Ciconiidae	R	Yes
45	Orange-headed thrush	<i>Geokichla citrina</i>	Turdidae	M	No
46	Indian Pond heron	<i>Ardeola grayii</i>	Ardeidae	R	Yes
47	Asian Palm Swift	<i>Cypsiurus balasiensis</i>	Apodidae	R	Yes
48	Asian Paradise flycatcher	<i>Terpsiphone paradisi</i>	Monarchidae	M	No
49	Purple Sunbird	<i>Cinnyris asiaticus</i>	Nectariniidae	R	Yes
50	Purple-rumped Sunbird	<i>Leptocoma zeylonica</i>	Nectariniidae	R	Yes
51	Chestnut-winged Cuckoo	<i>Clamator coromandus</i>	Cuculidae	M	
52	Red wattled lapwing	<i>Vanellus indicus</i>	Charadriidae	R	Yes
53	Red whiskered bulbul	<i>Pycnonotus jocosus</i>	Pycnonotidae	R	Yes
54	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Psittaculidae	R	Yes
55	Shikra	<i>Accipiter badius</i>	Accipitridae	R	Yes
56	Common kingfisher	<i>Alcedo atthis</i>	Alcedinidae	R	No
57	Asian Green Bee-eater	<i>Merops orientalis</i>	Meropidae	R	Yes
58	Indian Spot-billed Duck	<i>Anas poecilorhyncha</i>	Anatidae	R	No
59	Spotted Dove	<i>Spilopelia chinensis</i>	Columbidae	R	Yes
60	Scaly-breasted Munia	<i>Lonchura punctulata</i>	Estrildidae	R	Yes
61	Spotted Owlet	<i>Athene brama</i>	Strigidae	R	Yes
62	Pale-billed flowerpecker	<i>Dicaeum erythrorhynchos</i>	Dicaeidae	R	Yes
63	White breasted kingfisher	<i>Halcyon smyrnensis</i>	Alcedinidae	R	Yes
64	White breasted waterhen	<i>Amaurornis phoenicurus</i>	Rallidae	R	Yes
65	White wagtail	<i>Motacilla alba</i>	Motacillidae	M	
66	Yellow wattled lapwing	<i>Vanellus malabaricus</i>	Charadriidae	R	No
67	Common coot	<i>Fulica atra</i>	Rallidae	R	No
68	Intermediate Egret	<i>Ardea intermedia</i>	Ardeidae	R	Yes
69	Western Marsh Harrier	<i>Circus aeruginosus</i>	Accipitridae	M	
70	Yellow bittern	<i>Ixobrychus sinensis</i>	Ardeidae	R	No
71	Gray-headed Swamphen	<i>Porphyrio poliocephalus</i>	Rallidae	R	No
72	Ruddy-breasted Crake	<i>Zapornia fusca</i>	Rallidae	R	No

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
73	Black-winged Stilt	<i>Himantopus himantopus</i>	Recurvirostridae	R	Yes
74	Greater Painted-Snipe	<i>Rostratula benghalensis</i>	Rostratulidae	R	No
75	Wood Sandpiper	<i>Tringa glareola</i>	Scolopacidae	M	
76	Great Cormorant	<i>Phalacrocorax carbo</i>	Phalacrocoracidae	R	No
77	Spot-billed Pelican	<i>Pelecanus philippensis</i>	Pelecanidae	R	No
78	Eastern cattle Egret	<i>Bubulcus coromandus</i>	Ardeidae	R	Yes
79	Glossy Ibis	<i>Plegadis falcinellus</i>	Threskiornithidae	R	Yes
80	Brown Shrike	<i>Lanius cristatus</i>	Laniidae	M	
81	Common Tailorbird	<i>Orthotomus sutorius</i>	Cisticolidae	R	Yes
82	Clamorous Reed Warbler	<i>Acrocephalus stentoreus</i>	Acrocephalidae	M	
83	Whiskered Tern	<i>Chlidonias hybrida</i>	Laridae	M	
84	White-winged Tern	<i>Chlidonias leucopterus</i>	Laridae	M	
85	Black-headed Ibis	<i>Threskiornis melanocephalus</i>	Threskiornithidae	R	Yes
86	Peregrine Falcon	<i>Falco peregrinus</i>	Falconidae	M	
87	Streaked Weaver	<i>Ploceus manyar</i>	Ploceidae	R	Yes
88	Fulvous Whistling-Duck	<i>Dendrocygna bicolor</i>	Anatidae	R	No
89	Gray-headed Lapwing	<i>Vanellus cinereus</i>	Charadriidae	M	
90	Painted Stork	<i>Mycteria leucocephala</i>	Ciconiidae	R	Yes
91	Great Egret	<i>Ardea alba</i>	Ardeidae	R	Yes
92	Purple Heron	<i>Ardea purpurea</i>	Ardeidae	R	No
93	Plain Prinia	<i>Prinia inornata</i>	Cisticolidae	R	No
94	Tricolored Munia	<i>Lonchura malacca</i>	Estrildidae	R	No
95	Western Yellow Wagtail	<i>Motacilla flava</i>	Motacillidae	M	
96	Indian Cormorant	<i>Phalacrocorax fuscicollis</i>	Phalacrocoracidae	R	No
97	Rosy Starling	<i>Pastor roseus</i>	Sturnidae	M	
98	Citrine Wagtail	<i>Motacilla citreola</i>	Motacillidae	M	
99	Greater Flamingo	<i>Phoenicopterus roseus</i>	Phoenicopteridae	LM	No
100	Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	Jacanidae	R	No
101	Slaty-breasted Rail	<i>Lewinia striata</i>	Rallidae	R	No
102	Baillon's Crake	<i>Zapornia pusilla</i>	Rallidae	M	
103	Blyth's Reed Warbler	<i>Acrocephalus dumetorum</i>	Acrocephalidae	M	
104	Pallas's Grasshopper Warbler	<i>Helopsaltes certhiola</i>	Locustellidae	M	
105	Little Ringed Plover	<i>Charadrius dubius</i>	Charadriidae	R	No
106	Common Sandpiper	<i>Actitis hypoleucos</i>	Scolopacidae	M	No
107	Greater Spotted Eagle	<i>Clanga clanga</i>	Accipitridae	M	
108	Blue-tailed Bee-eater	<i>Merops philippinus</i>	Meropidae	LM	No
109	Barn Swallow	<i>Hirundo rustica</i>	Hirundinidae	M	
110	Bronze-winged Jacana	<i>Metopidius indicus</i>	Jacanidae	R	No
111	Marsh Sandpiper	<i>Tringa stagnatilis</i>	Scolopacidae	M	
112	Ruff	<i>Calidris pugnax</i>	Scolopacidae	M	

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
113	Indian Golden Oriole	<i>Oriolus kundoo</i>	Oriolidae	R	Yes
114	Paddyfield Pipit	<i>Anthus rufulus</i>	Motacillidae	R	Yes
115	Blyth's Pipit	<i>Anthus godlewskii</i>	Motacillidae	M	No
116	Red Avadavat	<i>Amandava amandava</i>	Estrildidae	R	Yes
117	Pin-tailed Snipe	<i>Gallinago stenura</i>	Scolopacidae	M	
118	Booted Eagle	<i>Hieraaetus pennatus</i>	Accipitridae	M	
119	Red-naped Ibis	<i>Pseudibis papillosa</i>	Threskiornithidae	LM	Yes
120	Little Stint	<i>Calidris minuta</i>	Scolopacidae	M	
121	Temminck's Stint	<i>Calidris temminckii</i>	Scolopacidae	M	
122	Little Tern	<i>Sternula albifrons</i>	Laridae	M	
123	Common Snipe	<i>Gallinago gallinago</i>	Scolopacidae	M	
124	Green Sandpiper	<i>Tringa ochropus</i>	Scolopacidae	M	
125	Common Redshank	<i>Tringa totanus</i>	Scolopacidae	M	
126	Common Greenshank	<i>Tringa nebularia</i>	Scolopacidae	M	No
127	Eurasian Spoonbill	<i>Platalea leucorodia</i>	Threskiornithidae	R	No
128	Black-winged Kite	<i>Elanus caeruleus</i>	Accipitridae	R	Yes
129	Zitting Cisticola	<i>Cisticola juncidis</i>	Cisticolidae	R	No
130	Pied Bushchat	<i>Saxicola caprata</i>	Muscicapidae	R	Yes
131	Baya Weaver	<i>Ploceus philippinus</i>	Ploceidae	R	Yes
132	White-bellied Sea-Eagle	<i>Ichthyophaga leucogaster</i>	Accipitridae	R	No
133	Oriental Honey-buzzard	<i>Pernis ptilorhynchus</i>	Accipitridae	R	Yes
134	Indian Spotted Eagle	<i>Clanga hastata</i>	Accipitridae	R	No
135	Brown Boobook	<i>Ninox scutulata</i>	Strigidae	R	No
136	Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	Muscicapidae	M	
137	Loten's Sunbird	<i>Cinnyris lotenius</i>	Accipitridae	R	Yes
138	Common Iora	<i>Aegithina tiphia</i>	Aegithinidae	R	Yes
139	Eye-browed Thrush	<i>Turdus obscurus</i>	Turdidae	M	
140	Black Baza	<i>Aviceda leuphotes</i>	Accipitridae	M	No
141	Spot-breasted Fantail	<i>Rhipidura albogularis</i>	Rhipiduridae	LM	Yes
142	Short-toed Snake-Eagle	<i>Circaetus gallicus</i>	Accipitridae	R	No
143	Ultramarine Flycatcher	<i>Ficedula supercilialis</i>	Muscicapidae	M	
144	Crested Serpent-Eagle	<i>Spilornis cheela</i>	Accipitridae	R	No
145	Common Buzzard	<i>Buteo buteo</i>	Accipitridae	M	
146	Yellow-footed Green-Pigeon	<i>Treron phoenicopterus</i>	Columbidae	LM	Yes
147	Tickell's Blue Flycatcher	<i>Cyornis tickelliae</i>	Muscicapidae	LM	
148	Black-hooded Oriole	<i>Oriolus xanthornus</i>	Oriolidae	LM	No
149	Alpine Swift	<i>Tachymarptis melba</i>	Apodidae	M	
150	Western Crowned Warbler	<i>Phylloscopus occipitalis</i>	Phylloscopidae	M	
151	Sirkeer Malkoha	<i>Taccocua leschenaultii</i>	Cuculidae	R	No
152	Montagu's Harrier	<i>Circus pygargus</i>	Accipitridae	M	
153	Black Redstart	<i>Phoenicurus ochruros</i>	Muscicapidae	M	
154	Ashy Minivet	<i>Pericrocotus divaricatus</i>	Campephagidae	M	

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
155	Indian Nightjar	<i>Caprimulgus asiaticus</i>	Caprimulgidae	R	No
156	Lesser Adjutant	<i>Leptoptilos javanicus</i>	Ciconiidae	M	Yes
157	Ashy Drongo	<i>Dicrurus leucophaeus</i>	Dicruridae	M	
158	Eurasian Hobby	<i>Falco subbuteo</i>	Falconidae	M	
159	Tickell's Thrush	<i>Turdus unicolor</i>	Turdidae	M	No
160	White-bellied Drongo	<i>Dicrurus caerulescens</i>	Dicruridae	LM	Yes
161	Oriental Turtle-Dove	<i>Streptopelia orientalis</i>	Columbidae	LM	Yes
162	Rusty-tailed Flycatcher	<i>Ficedula ruficauda</i>	Muscicapidae	M	
163	Jungle Prinia	<i>Prinia sylvatica</i>	Cisticolidae	R	No
164	Small Minivet	<i>Pericrocotus cinnamomeus</i>	Campephagidae	R	Yes
165	Black-naped Oriole	<i>Oriolus chinensis</i>	Oriolidae	M	
166	Indian Scops-Owl	<i>Otus bakkamoena</i>	Strigidae	R	No
167	Whimbrel	<i>Numenius phaeopus</i>	Scolopacidae	M	
168	Blue-faced Malkoha	<i>Phaenicophaeus viridirostris</i>	Cuculidae	R	No
169	Lesser Whistling-Duck	<i>Dendrocygna javanica</i>	Anatidae	R	No
170	Striated Heron	<i>Butorides striata</i>	Ardeidae	R	No
171	Northern Shoveler	<i>Spatula clypeata</i>	Anatidae	M	
172	Indian Gray Hornbill	<i>Ocyrceros birostris</i>	Bucerotidae	R	Yes
173	Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Motacillidae	M	
174	Malayan Night Heron	<i>Gorsachius melanolophus</i>	Ardeidae	M	No
175	Indian Thick-knee	<i>Burhinus indicus</i>	Burhinidae	R	Yes
176	Large Cuckooshrike	<i>Coracina macei</i>	Campephagidae	R	Yes
177	Black-naped Monarch	<i>Hypothymis azurea</i>	Monarchidae	R	No
178	Indian Peafowl	<i>Pavo cristatus</i>	Phasianidae	R	Yes
179	Black-bellied Plover	<i>Pluvialis squatarola</i>	Charadriidae	M	
180	Pacific Golden-Plover	<i>Pluvialis fulva</i>	Charadriidae	M	
181	Black-tailed Godwit	<i>Limosa limosa</i>	Scolopacidae	M	
182	Long-toed Stint	<i>Calidris subminuta</i>	Scolopacidae	M	
183	Pied Avocet	<i>Recurvirostra avosetta</i>	Recurvirostridae	M	
184	Caspian Tern	<i>Hydroprogne caspia</i>	Laridae	M	
185	Garganey	<i>Spatula querquedula</i>	Anatidae	M	
186	Tibetan Sand-Plover	<i>Anarhynchus atrifrons</i>	Charadriidae	M	
187	Northern Pintail	<i>Anas acuta</i>	Anatidae	M	
188	Osprey	<i>Pandion haliaetus</i>	Pandionidae	M	
189	Long-tailed Shrike	<i>Lanius schach</i>	Laniidae	R	Yes
190	Gull-billed Tern	<i>Gelochelidon nilotica</i>	Laridae	M	
191	Red-rumped Swallow	<i>Cecropis daurica</i>	Hirundinidae	R	Yes
192	Wire-tailed Swallow	<i>Hirundo smithii</i>	Hirundinidae	LM	Yes
193	Greenish Warbler	<i>Phylloscopus trochiloides</i>	Phylloscopidae	M	
194	Eurasian Wigeon	<i>Mareca penelope</i>	Anatidae	M	
195	Ashy Woodswallow	<i>Artamus fuscus</i>	Artamidae	R	No

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
196	Red-necked Falcon	<i>Falco chicquera</i>	Falconidae	R	No
197	Brown-headed Gull	<i>Chroicocephalus brunnicephalus</i>	Laridae	M	
198	Black-headed Gull	<i>Chroicocephalus ridibundus</i>	Laridae	M	
199	Terek Sandpiper	<i>Xenus cinereus</i>	Scolopacidae	M	
200	Kentish Plover	<i>Anarhynchus alexandrinus</i>	Charadriidae	R	No
201	Oriental Pratincole	<i>Glareola maldivarum</i>	Glareolidae	R	No
202	Jerdon's Bushlark	<i>Mirafraga affinis</i>	Alaudidae	R	No
203	Watercock	<i>Gallicrex cinerea</i>	Rallidae	R	No
204	Indian Roller	<i>Coracias benghalensis</i>	Coraciidae	R	Yes
205	Tawny Pipit	<i>Anthus campestris</i>	Motacillidae	M	
206	Streak-throated Swallow	<i>Petrochelidon fluvicola</i>	Hirundinidae	R	No
207	Bay-backed Shrike	<i>Lanius vittatus</i>	Laniidae	R	Yes
208	Brahminy Kite	<i>Haliastur indus</i>	Accipitridae	R	Yes
209	Sykes's Warbler	<i>Iduna rama</i>	Acrocephalidae	M	
210	Oriental Skylark	<i>Alauda gulgula</i>	Alaudidae	R	No
211	Gadwall	<i>Mareca strepera</i>	Anatidae	M	
212	Lesser Whitethroat	<i>Curruca curruca</i>	Sylviidae	M	
213	Gray-breasted Prinia	<i>Prinia hodgsonii</i>	Cisticolidae	R	No
214	Ashy-crowned Sparrow-Lark	<i>Eremopterix griseus</i>	Alaudidae	R	No
215	Western Reef-Heron	<i>Egretta gularis</i>	Ardeidae	R	No
216	Mongolian Short-toed Lark	<i>Calandrella dukhunensis</i>	Alaudidae	M	
217	Barn Owl	<i>Tyto alba</i>	Tytonidae	R	Yes
218	Slender-billed Gull	<i>Chroicocephalus genei</i>	Laridae	M	
219	Brahminy Starling	<i>Sturnia pagodarum</i>	Sturnidae	R	Yes
220	Ruddy Turnstone	<i>Arenaria interpres</i>	Scolopacidae	M	
221	Lesser Frigatebird	<i>Fregata ariel</i>	Fregatidae	M	
222	Eurasian Curlew	<i>Numenius arquata</i>	Scolopacidae	M	
223	Bridled Tern	<i>Onychoprion anaethetus</i>	Laridae	M	
224	Sanderling	<i>Calidris alba</i>	Scolopacidae	M	
225	Great Crested Tern	<i>Thalasseus bergii</i>	Laridae	M	
226	Small Pratincole	<i>Glareola lactea</i>	Glareolidae	LM	No
227	Eurasian Oystercatcher	<i>Haematopus ostralegus</i>	Haematopodidae	M	
228	European Roller	<i>Coracias garrulus</i>	Coraciidae	M	
229	Siberian Stonechat	<i>Saxicola maurus</i>	Muscicapidae	M	
230	Daurian Starling	<i>Agropsar sturninus</i>	Sturnidae	M	
231	Curlew Sandpiper	<i>Calidris ferruginea</i>	Scolopacidae	M	
232	Jungle Babbler	<i>Argya striata</i>	Leiothrichidae	R	Yes
233	Cotton Pygmy-Goose	<i>Nettapus coromandelianus</i>	Anatidae	R	No

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
234	Gray-fronted Green-Pigeon	<i>Treron affinis</i>	Columbidae	R	No
235	Yellow-throated Sparrow	<i>Gymnoris xanthocollis</i>	Passeridae	R	No
236	Bar-tailed Godwit	<i>Limosa lapponica</i>	Scolopacidae	M	
237	Desert Wheatear	<i>Oenanthe deserti</i>	Muscicapidae	M	
238	Great Knot	<i>Calidris tenuirostris</i>	Scolopacidae	M	
239	Richard's Pipit	<i>Anthus richardi</i>	Motacillidae	M	
240	Lesser Flamingo	<i>Phoeniconaias minor</i>	Phoenicopteridae	M	
241	Broad-billed Sandpiper	<i>Calidris falcinellus</i>	Scolopacidae	M	
242	Tufted Duck	<i>Aythya fuligula</i>	Anatidae	M	
243	Rufous-tailed Lark	<i>Ammomanes phoenicura</i>	Alaudidae	R	No
244	Yellow-billed Babbler	<i>Argya affinis</i>	Leiothrichidae	R	Yes
245	Indian Silverbill	<i>Euodice malabarica</i>	Estrildidae	R	Yes
246	Common Hawk-Cuckoo	<i>Hierococcyx varius</i>	Cuculidae	R	Yes
247	Indian Pied Starling	<i>Gracupica contra</i>	Sturnidae	R	Yes
248	Eurasian Collared-Dove	<i>Streptopelia decaocto</i>	Columbidae	R	Yes
249	White-rumped Munia	<i>Lonchura striata</i>	Estrildidae	R	Yes
250	Eurasian Kestrel	<i>Falco tinnunculus</i>	Falconidae	M	
251	Booted Warbler	<i>Iduna caligata</i>	Acrocephalidae	M	
252	Brown-breasted Flycatcher	<i>Muscicapa muttui</i>	Muscicapidae	M	
253	Bank Swallow	<i>Riparia riparia</i>	Hirundinidae	M	
254	Black-headed Cuckooshrike	<i>Lalage melanoptera</i>	Campephagidae	R	No
255	Lesser Crested Tern	<i>Thalasseus bengalensis</i>	Laridae	M	
256	Yellow-eyed Babbler	<i>Chrysomma sinense</i>	Paradoxornithidae	R	No
257	Knob-billed Duck	<i>Sarkidiornis melanotos</i>	Anatidae	LM	No
258	Asian Woolly-necked Stork	<i>Ciconia episcopus</i>	Ciconiidae	LM	No
259	Common Tern	<i>Sterna hirundo</i>	Laridae	M	
260	Paddyfield Warbler	<i>Acrocephalus agricola</i>	Acrocephalidae	M	
261	Pallid Harrier	<i>Circus macrourus</i>	Accipitridae	M	
262	Large Gray Babbler	<i>Argya malcolmi</i>	Leiothrichidae	R	Yes
263	Cinereous Vulture	<i>Aegypius monachus</i>	Accipitridae	M	No
264	Lesser Black-backed Gull	<i>Larus fuscus</i>	Laridae	M	
265	Great Thick-knee	<i>Esacus recurvirostris</i>	Burhinidae	M	
266	Pallas's Gull	<i>Ichthyiaetus ichthyiaetus</i>	Laridae	M	
267	Greater Sand-Plover	<i>Anarhynchus leschenaultii</i>	Charadriidae	M	
268	Amur Falcon	<i>Falco amurensis</i>	Falconidae	M	
269	Indian Cuckoo	<i>Cuculus micropterus</i>	Cuculidae	M	No
270	Eastern Marsh Harrier	<i>Circus spilonotus</i>	Accipitridae	M	
271	Common Cuckoo	<i>Cuculus canorus</i>	Cuculidae	M	
272	Plum-headed Parakeet	<i>Psittacula cyanocephala</i>	Psittaculidae	LM	Yes

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
273	White-eyed Buzzard	<i>Butastur teesa</i>	Accipitridae	R	No
274	Common Babbler	<i>Argya caudata</i>	Leiothrichidae	R	Yes
275	Orange-breasted Green-Pigeon	<i>Treron bicinctus</i>	Columbidae	LM	No
276	Jungle Bush-Quail	<i>Perdica asiatica</i>	Phasianidae	R	No
277	Green Warbler	<i>Phylloscopus nitidus</i>	Phylloscopidae	M	
278	Bar-headed Goose	<i>Anser indicus</i>	Anatidae	M	
279	Ferruginous Duck	<i>Aythya nyroca</i>	Anatidae	M	
280	Common Woodshrike	<i>Tephrodornis pondicerianus</i>	Vangidae	R	No
281	Indian Courser	<i>Cursorius coromandelicus</i>	Glareolidae	R	No
282	Sooty Tern	<i>Onychoprion fuscatus</i>	Laridae	M	
283	Fork-tailed Drongo-Cuckoo	<i>Surniculus dicruroides</i>	Cuculidae	M	No
284	Graylag Goose	<i>Anser anser</i>	Anatidae	M	
285	Dusky Crag-Martin	<i>Ptyonoprogne concolor</i>	Hirundinidae	R	Yes
286	Eurasian Wryneck	<i>Jynx torquilla</i>	Picidae	M	
287	Common Ringed Plover	<i>Charadrius hiaticula</i>	Charadriidae	M	
288	Ruddy Shelduck	<i>Tadorna ferruginea</i>	Anatidae	M	No
289	Common Pochard	<i>Aythya ferina</i>	Anatidae	M	
290	Blue Rock-Thrush	<i>Monticola solitarius</i>	Muscicapidae	M	
291	Lesser Cuckoo	<i>Cuculus poliocephalus</i>	Cuculidae	M	No
292	Large-billed Leaf Warbler	<i>Phylloscopus magnirostris</i>	Phylloscopidae	M	
293	Chinese Pond-Heron	<i>Ardeola bacchus</i>	Ardeidae	M	
294	White-throated Needletail	<i>Hirundapus caudacutus</i>	Apodidae	M	
295	Wilson's Storm-Petrel	<i>Oceanites oceanicus</i>	Oceanitidae	M	
296	Blyth's Swift	<i>Apus leuconyx</i>	Apodidae	M	
297	Red-necked Phalarope	<i>Phalaropus lobatus</i>	Scolopacidae	M	
298	Brown Noddy	<i>Anous stolidus</i>	Laridae	M	
299	Great Frigatebird	<i>Fregata minor</i>	Fregatidae	M	
300	Red Collared-Dove	<i>Streptopelia tranquebarica</i>	Columbidae	R	No
301	Blue-capped Rock-Thrush	<i>Monticola cinclorhyncha</i>	Muscicapidae	M	
302	Steppe Eagle	<i>Aquila nipalensis</i>	Accipitridae	M	
303	Indian Blue Robin	<i>Larvivora brunnea</i>	Muscicapidae	M	
304	Mottled Wood-Owl	<i>Strix ocellata</i>	Strigidae	R	No
305	Spotted Redshank	<i>Tringa erythropus</i>	Scolopacidae	M	
306	Oriental Scops-Owl	<i>Otus sunia</i>	Strigidae	LM	No
307	Sandwich Tern	<i>Thalasseus sandvicensis</i>	Laridae	M	
308	Black-winged Cuckooshrike	<i>Lalage melaschistos</i>	Campephagidae	R	No

S. No.	Common Name	Scientific Name	Family	Resident/ Migrant/ Local Migrant	Anthropogenic
309	Crested Treeswift	<i>Hemiprocne coronata</i>	Hemiprocnidae	LM	No
310	Tree Pipit	<i>Anthus trivialis</i>	Motacillidae	M	No
311	Black-breasted Weaver	<i>Ploceus benghalensis</i>	Ploceidae	R	No
312	Great White Pelican	<i>Pelecanus onocrotalus</i>	Pelecanidae	M	
313	Greater Racket-tailed Drongo	<i>Dicrurus paradiseus</i>	Dicruridae	R	No
314	Flesh-footed Shearwater	<i>Ardenna carneipes</i>	Procellariidae	M	
315	Swinhoe's Storm-Petrel	<i>Hydrobates monorhis</i>	Hydrobatidae	M	
316	Roseate Tern	<i>Sterna dougallii</i>	Laridae	M	
317	Brown-rumped Minivet	<i>Pericrocotus cantonensis</i>	Campephagidae	M	
318	Common Rosefinch	<i>Carpodacus erythrinus</i>	Fringillidae	M	
319	Bonelli's Eagle	<i>Aquila fasciata</i>	Accipitridae	R	No
320	White-rumped Spinetail	<i>Zoonavena sylvatica</i>	Apodidae	R	No
321	Egyptian Vulture	<i>Neophron percnopterus</i>	Accipitridae	R	Yes
322	Barred Buttonquail	<i>Turnix suscitator</i>	Turnicidae	R	No
323	Eurasian Sparrowhawk	<i>Accipiter nisus</i>	Accipitridae	M	
324	Dollarbird	<i>Eurystomus orientalis</i>	Coraciidae	LM	No
325	Common Swift	<i>Apus apus</i>	Apodidae	M	
326	South Polar Skua	<i>Stercorarius maccormicki</i>	Stercorariidae	M	
327	Long-tailed Jaeger	<i>Stercorarius longicaudus</i>	Stercorariidae	M	
328	Pomarine Jaeger	<i>Stercorarius pomarinus</i>	Stercorariidae	M	
329	Brown Skua	<i>Stercorarius antarcticus</i>	Stercorariidae	M	
330	Streaked Shearwater	<i>Calonectris leucomelas</i>	Procellariidae	M	
331	Black Stork	<i>Ciconia nigra</i>	Ciconiidae	M	
332	Dark-sided Flycatcher	<i>Muscicapa sibirica</i>	Muscicapidae	M	
333	Large Hawk-Cuckoo	<i>Hierococyx sparverioides</i>	Cuculidae	M	
334	Jack Snipe	<i>Lymnocyrtus minimus</i>	Scolopacidae	M	
335	White-rumped Vulture	<i>Gyps bengalensis</i>	Accipitridae	R	No
336	Short-eared Owl	<i>Asio flammeus</i>	Strigidae	M	No
337	Tawny Eagle	<i>Aquila rapax</i>	Accipitridae	R	No
338	White Stork	<i>Ciconia ciconia</i>	Ciconiidae	M	No
339	Pied Thrush	<i>Geokichla wardii</i>	Turdidae	M	
340	Tickell's Leaf Warbler	<i>Phylloscopus affinis</i>	Phylloscopidae	M	
341	Thick-billed Warbler	<i>Arundinax aedon</i>	Acrocephalidae	M	
342	Rock Eagle-Owl	<i>Bubo bengalensis</i>	Strigidae	R	No
343	Alexandrine Parakeet	<i>Psittacula eupatria</i>	Psittaculidae	Introduced	
344	Rainbow Lorikeet	<i>Trichoglossus moluccanus</i>	Psittaculidae	Exotic Escapee	

Table 5: Flowering plants found within the city of Chennai (Indicators 4)

S. No	Scientific Name	Family	Status	Invasiveness
1	<i>Dipteracanthus prostratus</i>	Acanthaceae	Native	
2	<i>Justicia prostrata</i>	Acanthaceae	Native	
3	<i>Thunbergia erecta</i>	Acanthaceae	Introduced	
4	<i>Adhatoda zeylanica</i>	Acanthaceae	Native	
5	<i>Rostellularia procumbens</i>	Acanthaceae	Native	
6	<i>Ruellia tuberosa</i>	Acanthaceae	Introduced	Invasive
7	<i>Barleria cristata</i>	Acanthaceae	Native	
8	<i>Andrographis paniculata</i>	Acanthaceae	Native	
9	<i>Ecbolium viride</i>	Acanthaceae	Native	
10	<i>Hygrophila auriculata</i>	Acanthaceae	Native	
11	<i>Hygrophila balsamica</i>	Acanthaceae	Native	
12	<i>Ruellia cordata</i>	Acanthaceae	Introduced	
13	<i>Justicia tranquebariensis</i>	Acanthaceae	Native	
14	<i>Rhinacanthus nasutus</i>	Acanthaceae	Native	
15	<i>Dicliptera paniculata</i>	Acanthaceae	Native	
16	<i>Lepidagathis cristata</i>	Acanthaceae	Native	
17	<i>Rungia repens</i>	Acanthaceae	Native	
18	<i>Blepharis maderaspatensis</i>	Acanthaceae	Native	
19	<i>Thunbergia fragrans</i>	Acanthaceae	Native	
20	<i>Asystasia gangetica</i>	Acanthaceae	Native	
21	<i>Barleria prionitis</i>	Acanthaceae	Native	
22	<i>Crossandra infundibuliformis</i>	Acanthaceae	Native	
23	<i>Justicia gendarussa</i>	Acanthaceae	Native	
24	<i>Thunbergia laurifolia</i>	Acanthaceae	Introduced	
25	<i>Stenosiphonium russellianum</i>	Acanthaceae	Native	
26	<i>Andrographis echiodides</i>	Acanthaceae	Native	
27	<i>Blepharis molluginifolia</i>	Acanthaceae	Native	
28	<i>Trianthema portulacastrum</i>	Aizoaceae	Native	
29	<i>Amaranthus Spinousus</i>	Amaranthaceae	Introduced	Invasive
30	<i>Celosia argentea</i>	Amaranthaceae	Introduced	Invasive
31	<i>Aerva lanata</i>	Amaranthaceae	Native	
32	<i>Gomphrena serrata</i>	Amaranthaceae	Introduced	Invasive
33	<i>Achyranthes aspera</i>	Amaranthaceae	Native	
34	<i>Alternanthera sessilis</i>	Amaranthaceae	Native	
35	<i>Alternanthera paronychioides</i>	Amaranthaceae	Introduced	Invasive
36	<i>Amaranthus viridis</i>	Amaranthaceae	Introduced	
37	<i>Gomphrena celosioides</i>	Amaranthaceae	Introduced	Invasive
38	<i>Aerva monsonia</i>	Amaranthaceae	Native	
39	<i>Allmania nodiflora</i>	Amaranthaceae	Native	
40	<i>Alternanthera echinata</i>	Amaranthaceae	Introduced	
41	<i>Digera muricata</i>	Amaranthaceae	Native	
42	<i>Pupalia atropurpurea</i>	Amaranthaceae	Native	
43	<i>Alternanthera philoxeroides</i>	Amaranthaceae	Introduced	Invasive
44	<i>Lannea coromandelica</i>	Anacardiaceae	Native	
45	<i>Anacardium occidentale</i>	Anacardiaceae	Introduced	
46	<i>Mangifera indica</i>	Anacardiaceae	Introduced	

S. No	Scientific Name	Family	Status	Invasiveness
47	<i>Buchanania lanzan</i>	Anacardiaceae	Native	
48	<i>Polyalthia longifolia</i>	Annonaceae	Introduced	
49	<i>Annona squamosa</i>	Annonaceae	Introduced	
50	<i>Annona muricata</i>	Annonaceae	Introduced	
51	<i>Centella asiatica</i>	Apiaceae	Native	
52	<i>Wrightia tinctoria</i>	Apocynaceae	Native	
53	<i>Plumeria rubra</i>	Apocynaceae	Introduced	
54	<i>Plumeria obtusa</i>	Apocynaceae	Introduced	
55	<i>Alstonia scholaris</i>	Apocynaceae	Native	
56	<i>Tylophora indica</i>	Apocynaceae	Native	
57	<i>Ichnocarpus sp.</i>	Apocynaceae	Native	
58	<i>Wattakaka volubilis</i>	Apocynaceae	Native	
59	<i>Calotropis gigantea</i>	Apocynaceae	Native	
60	<i>Carissa carandas</i>	Apocynaceae	Native	
61	<i>Nerium oleander</i>	Apocynaceae	Native	
62	<i>Plumeria alba</i>	Apocynaceae	Introduced	
63	<i>Oxystelma esculentum</i>	Apocynaceae	Native	
64	<i>Catharanthus roseus</i>	Apocynaceae	Introduced	
65	<i>Carissa spinarum</i>	Apocynaceae	Native	
66	<i>Cynanchum acidum</i>	Apocynaceae	Native	
67	<i>Vincetoxicum indicum</i>	Apocynaceae	Native	
68	<i>Ceropegia juncea</i>	Apocynaceae	Native	
69	<i>Rauvolfia serpentina</i>	Apocynaceae	Native	
70	<i>Asclepias curassavica</i>	Apocynaceae	Introduced	Invasive
71	<i>Ichnocarpus frutescens</i>	Apocynaceae	Native	
72	<i>Cascabela thevetia</i>	Apocynaceae	Introduced	
73	<i>Hemidesmus indicus</i>	Apocynaceae	Native	
74	<i>Rauvolfia tetraphylla</i>	Apocynaceae	Introduced	
75	<i>Allamanda blanchetii</i>	Apocynaceae	Introduced	
76	<i>Allamanda cathartica</i>	Apocynaceae	Introduced	
77	<i>Pergularia daemia</i>	Apocynaceae	Native	
78	<i>Gymnema sylvestre</i>	Apocynaceae	Native	
79	<i>Leptadenia reticulata</i>	Apocynaceae	Native	
80	<i>Aponogeton natans</i>	Aponogetonaceae	Native	
81	<i>Pistia stratiotes</i>	Araceae	Introduced	Invasive
82	<i>Spirodela polyrhiza</i>	Araceae	Native	
83	<i>Therioophonum minutum</i>	Araceae	Native	
84	<i>Amorphophallus sylvaticus</i>	Araceae	Native	
85	<i>Rhaphidophora pertusa</i>	Araceae	Native	
86	<i>Lemna aequinoctialis</i>	Araceae	Introduced	Invasive
87	<i>Cocos nucifera</i>	Arecaceae	Native	
88	<i>Livistona chinensis</i>	Arecaceae	Introduced	
89	<i>Phoenix sylvestris</i>	Arecaceae	Native	
90	<i>Borassus flabellifer</i>	Arecaceae	Native	
91	<i>Caryota mitis</i>	Arecaceae	Introduced	
92	<i>Roystonea regia</i>	Arecaceae	Introduced	
93	<i>Chrysalidocarpus lutescens</i>	Arecaceae	Introduced	

S. No	Scientific Name	Family	Status	Invasiveness
94	<i>Caryota urens</i>	Arecaceae	Native	
95	<i>Areca catechu</i>	Arecaceae	Introduced	
96	<i>Calamus rotang</i>	Arecaceae	Native	
97	<i>Corypha umbraculifera</i>	Arecaceae	Native	
98	<i>Phoenix loureiroi</i>	Arecaceae	Native	
99	<i>Pritchardia pacifica</i>	Arecaceae	Introduced	
100	<i>Rhapis excelsa</i>	Arecaceae	Introduced	
101	<i>Wodyetia bifurcata</i>	Arecaceae	Introduced	
102	<i>Asparagus racemosus</i>	Asparagaceae	Native	
103	<i>Sansevieria roxburghiana</i>	Asparagaceae	Native	
104	<i>Urginea coromandeliana</i>	Asparagaceae	Native	
105	<i>Aloe vera</i>	Asphodelaceae	Introduced	
106	<i>Veronia cinerea</i>	Asteraceae	Native	
107	<i>Tridax procumbens</i>	Asteraceae	Introduced	Invasive
108	<i>Eclipta prostrata</i>	Asteraceae	Introduced	Invasive
109	<i>Ageratum conyzoides</i>	Asteraceae	Introduced	Invasive
110	<i>Sphagneticola trilobata</i>	Asteraceae	Introduced	Invasive
111	<i>Pulicaria dysenterica</i>	Asteraceae	Introduced	
112	<i>Blumea axillaris</i>	Asteraceae	Native	
113	<i>Chromolaena odorata</i>	Asteraceae	Introduced	Invasive
114	<i>Grangea maderaspatana</i>	Asteraceae	Native	
115	<i>Emilia sonchifolia</i>	Asteraceae	Native	
116	<i>Parthenium hysterophorus</i>	Asteraceae	Introduced	Invasive
117	<i>Acanthospermum hispidum</i>	Asteraceae	Introduced	Invasive
118	<i>Blainvillea dichotoma</i>	Asteraceae	Introduced	
119	<i>Blumea eriantha</i>	Asteraceae	Native	
120	<i>Epaltes divaricata</i>	Asteraceae	Native	
121	<i>Epaltes pygmaea</i>	Asteraceae	Native	
122	<i>Lagascea mollis</i>	Asteraceae	Introduced	Invasive
123	<i>Emilia sonchifolia</i>	Asteraceae	Native	
124	<i>Sphaeranthus indicus</i>	Asteraceae	Native	
125	<i>Synedrella nodiflora</i>	Asteraceae	Introduced	Invasive
126	<i>Vicoa indica</i>	Asteraceae	Native	
127	<i>Xanthium strumarium</i>	Asteraceae	Introduced	Invasive
128	<i>Basella alba</i>	Basellaceae	Native	
129	<i>Spathodea campanulata</i>	Bignoniaceae	Introduced	
130	<i>Kigelia africana</i>	Bignoniaceae	Introduced	
131	<i>Millingtonia hortensis</i>	Bignoniaceae	Introduced	
132	<i>Tabebuia aurea</i>	Bignoniaceae	Introduced	
133	<i>Tabebuia roseo-alba</i>	Bignoniaceae	Introduced	
134	<i>Tecoma stans</i>	Bignoniaceae	Introduced	Invasive
135	<i>Tabebuia heterophylla</i>	Bignoniaceae	Introduced	
136	<i>Handroanthus heptaphyllus</i>	Bignoniaceae	Introduced	
137	<i>Jacaranda mimosifolia</i>	Bignoniaceae	Introduced	
138	<i>Tabebuia rosea</i>	Bignoniaceae	Introduced	
139	<i>Crescentia cujete</i>	Bignoniaceae	Introduced	

S. No	Scientific Name	Family	Status	Invasiveness
140	<i>Dolichandrone falcata</i>	Bignoniaceae	Native	
141	<i>Tabebuia spectabilis</i>	Bignoniaceae	Introduced	
142	<i>Tecomaria capensis</i>	Bignoniaceae	Introduced	
143	<i>Bombax ceiba</i>	Bombacaceae	Native	
144	<i>Cordia obliqua</i>	Boraginaceae	Native	
145	<i>Heliotropium indicum</i>	Boraginaceae	Introduced	Invasive
146	<i>Cordia sebestena</i>	Boraginaceae	Introduced	
147	<i>Heliotropium curassavicum</i>	Boraginaceae	Introduced	
148	<i>Trichodesma indicum</i>	Boraginaceae	Native	
149	<i>Coldenia procumbens</i>	Boraginaceae	Native	
150	<i>Cordia dichotoma</i>	Boraginaceae	Native	
151	<i>Ehretia microphylla</i>	Boraginaceae	Native	
152	<i>Ehretia pubescens</i>	Boraginaceae	Native	
153	<i>Ehretia ovalifolia</i>	Boraginaceae	Native	
154	<i>Heliotropium bracteatum</i>	Boraginaceae	Native	
155	<i>Heliotropium scabrum</i>	Boraginaceae	Native	
156	<i>Opuntia ficus-indica</i>	Cactaceae	Introduced	
157	<i>Cereus repandus</i>	Cactaceae	Introduced	
158	<i>Opuntia stricta</i>	Cactaceae	Introduced	
159	<i>Opuntia dillenii</i>	Cactaceae	Introduced	Invasive
160	<i>Peltophorum pterocarpum</i>	Caesalpiniaceae	Native	
161	<i>Caesalpinia coriaria</i>	Caesalpiniaceae	Introduced	
162	<i>Delonix regia</i>	Caesalpiniaceae	Introduced	
163	<i>Tamarindus indica</i>	Caesalpiniaceae	Native	
164	<i>Calophyllum inophyllum</i>	Calophyllaceae	Native	
165	<i>Canna indica</i>	Cannaceae	Introduced	
166	<i>Capparis zeylanica</i>	Capparaceae	Native	
167	<i>Crateva adansonii</i>	Capparaceae	Native	
168	<i>Maerua oblongifolia</i>	Capparaceae	Native	
169	<i>Capparis brevispina</i>	Capparaceae	Native	
170	<i>Capparis divaricata</i>	Capparaceae	Native	
171	<i>Cadaba fruticosa</i>	Capparaceae	Native	
172	<i>Capparis sepiaria</i>	Capparaceae	Native	
173	<i>Crateva magna</i>	Capparidaceae	Native	
174	<i>Carica papaya</i>	Caricaceae	Introduced	
175	<i>Polycarpaea corymbosa</i>	Caryophyllaceae	Native	
176	<i>Casuarina equisetifolia</i>	Casuarinaceae	Introduced	Invasive
177	<i>Maytenus emarginata</i>	Celastraceae	Native	
178	<i>Cleome viscosa</i>	Cleomaceae	Native	
179	<i>Cleome rutidosperma</i>	Cleomaceae	Introduced	Invasive
180	<i>Cleome aspera</i>	Cleomaceae	Native	
181	<i>Clusia rosea</i>	Clusiaceae	Introduced	
182	<i>Garcinia spicata</i>	Clusiaceae	Native	
183	<i>Gloriosa superba</i>	Colchicaceae	Native	
184	<i>Iphigenia indica</i>	Colchicaceae	Native	
185	<i>Combretum ovalifolium</i>	Combretaceae	Native	

S. No	Scientific Name	Family	Status	Invasiveness
186	<i>Terminalia catappa</i>	Combretaceae	Native	
187	<i>Terminalia arjuna</i>	Combretaceae	Native	
188	<i>Quisqualis indica</i>	Combretaceae	Native	
189	<i>Combretum albidum</i>	Combretaceae	Native	
190	<i>Combretum indicum</i>	Combretaceae	Native	
191	<i>Conocarpus lancifolius</i>	Combretaceae	Introduced	
192	<i>Terminalia bellirica</i>	Combretaceae	Native	
193	<i>Terminalia mantaly</i>	Combretaceae	Introduced	
194	<i>Commelina benghalensis</i>	Commelinaceae	Native	
195	<i>Commelina undulata</i>	Commelinaceae	Native	
196	<i>Commelina clavata</i>	Commelinaceae	Native	
197	<i>Murdannia striatipetala</i>	Commelinaceae	Native	
198	<i>Cyanotis axillaris</i>	Commelinaceae	Native	
199	<i>Commelina ramulosa</i>	Commelinaceae	Introduced	
200	<i>Aneilema nudiflorum</i>	Commelinaceae	Native	
201	<i>Tradescantia spathacea</i>	Commelinaceae	Introduced	
202	<i>Merreria tridentata</i>	Convolvulaceae	Native	
203	<i>Evolvulus nummularius</i>	Convolvulaceae	Introduced	Invasive
204	<i>Evolvulus alsinoides</i>	Convolvulaceae	Native	
205	<i>Ipomoea aquatica</i>	Convolvulaceae	Native	
206	<i>Ipomoea obscura</i>	Convolvulaceae	Native	
207	<i>Ipomoea pes-tigridis</i>	Convolvulaceae	Native	
208	<i>Ipomoea carnea</i>	Convolvulaceae	Introduced	Invasive
209	<i>Ipomoea pes-caprae</i>	Convolvulaceae	Native	
210	<i>Xenostegia tridentata</i>	Convolvulaceae	Native	
211	<i>Merremia emarginata</i>	Convolvulaceae	Native	
212	<i>Merremia hederacea</i>	Convolvulaceae	Native	
213	<i>Rivea hypocrateriformis</i>	Convolvulaceae	Native	
214	<i>Cuscuta chinensis</i>	Convolvulaceae	Native	
215	<i>Ipomoea kentrocaulos</i>	Convolvulaceae	Native	
216	<i>Jacquemontia ovalifolia</i>	Convolvulaceae	Introduced	
217	<i>Ipomoea hederifolia</i>	Convolvulaceae	Introduced	
218	<i>Alangium salvifolium</i>	Cornaceae	Native	
219	<i>Costus pictus</i>	Costaceae	Native	
220	<i>Kalanchoe pinnata</i>	Crassulaceae	Introduced	
221	<i>Coccinia grandis</i>	Cucurbitaceae	Native	
222	<i>Mukia madaresapatana</i>	Cucurbitaceae	Native	
223	<i>Momordica charantia</i>	Cucurbitaceae	Native	
224	<i>Luffa aegyptiaca</i>	Cucurbitaceae	Native	
225	<i>Luffa cylindrica</i>	Cucurbitaceae	Native	
226	<i>Coccinia cordifolia</i>	Cucurbitaceae	Native	
227	<i>Melothria amplexicaulis</i>	Cucurbitaceae	Native	
228	<i>Cucumis melo</i>	Cucurbitaceae	Native	
229	<i>Cyperus rotundus</i>	Cyperaceae	Native	
230	<i>Bulbostylis barbata</i>	Cyperaceae	Native	
231	<i>Cyperus distans</i>	Cyperaceae	Native	

S. No	Scientific Name	Family	Status	Invasiveness
232	<i>Cyperus exaltatus</i>	Cyperaceae	Native	
233	<i>Cyperus mindorensis</i>	Cyperaceae	Native	
234	<i>Fimbristylis argentea</i>	Cyperaceae	Native	
235	<i>Cyperus mitis</i>	Cyperaceae	Native	
236	<i>Cyperus alternifolius</i>	Cyperaceae	Introduced	
237	<i>Cyperus aristatus</i>	Cyperaceae	Native	
238	<i>Cyperus castaneus</i>	Cyperaceae	Native	
239	<i>Cyperus compressus</i>	Cyperaceae	Native	
240	<i>Fimbristylis monstachya</i>	Cyperaceae	Native	
241	<i>Kyllinga triceps</i>	Cyperaceae	Native	
242	<i>Mariscus pictus</i>	Cyperaceae	Native	
243	<i>Dillenia pentagyna</i>	Dilleniaceae	Native	
244	<i>Dioscorea alata</i>	Dioscoreaceae	Native	
245	<i>Dioscorea oppositifolia</i>	Dioscoreaceae	Native	
246	<i>Dioscorea pentaphylla</i>	Dioscoreaceae	Native	
247	<i>Drosera burmanni</i>	Droseraceae	Native	
248	<i>Diospyros ebenum</i>	Ebenaceae	Native	
249	<i>Diospyros malabarica</i>	Ebenaceae	Native	
250	<i>Diospyros chloroxylon</i>	Ebenaceae	Native	
251	<i>Maba buxifolia/Diospyros ferrea</i>	Ebenaceae	Native	
252	<i>Eriocaulon cinereum</i>	Eriocaulaceae	Native	
253	<i>Hura Crepitans</i>	Euphorbiaceae	Introduced	
254	<i>Acalypha indica</i>	Euphorbiaceae	Native	
255	<i>Micrococca mercurialis</i>	Euphorbiaceae	Native	
256	<i>Croton bonplandianus</i>	Euphorbiaceae	Introduced	Invasive
257	<i>Euphorbia hirta</i>	Euphorbiaceae	Introduced	Invasive
258	<i>Jatropha podagrica</i>	Euphorbiaceae	Introduced	
259	<i>Jatropha gossypifolia</i>	Euphorbiaceae	Introduced	Invasive
260	<i>Ricinus communis</i>	Euphorbiaceae	Introduced	Invasive
261	<i>Chrozophora rottleri</i>	Euphorbiaceae	Native	
262	<i>Euphorbia maculata</i>	Euphorbiaceae	Introduced	
263	<i>Euphorbia antiquorum</i>	Euphorbiaceae	Native	
264	<i>Euphorbia glaucescens</i>	Euphorbiaceae	Native	
265	<i>Euphorbia milii</i>	Euphorbiaceae	Introduced	
266	<i>Euphorbia tirucalli</i>	Euphorbiaceae	Introduced	
267	<i>Euphorbia tithymaloides</i>	Euphorbiaceae	Introduced	
268	<i>Tragia involucrata</i>	Euphorbiaceae	Native	
269	<i>Vernicia fordii</i>	Euphorbiaceae	Introduced	
270	<i>Acalypha wilkesiana</i>	Euphorbiaceae	Introduced	
271	<i>Codiaeum variegatum</i>	Euphorbiaceae	Introduced	
272	<i>Euphorbia cristata</i>	Euphorbiaceae	Native	
273	<i>Euphorbia heterophylla</i>	Euphorbiaceae	Introduced	
274	<i>Euphorbia rosea</i>	Euphorbiaceae	Native	
275	<i>Microstachys chamaelea</i>	Euphorbiaceae	Native	
276	<i>Baliospermum montanum</i>	Euphorbiaceae	Native	
277	<i>Pterolobium indicum</i>	Fabacea	Native	

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278	<i>Samanea saman</i>	Fabaceae	Introduced	
279	<i>Cassia roxburghii</i>	Fabaceae	Native	
280	<i>Leucaena latisilqua</i>	Fabaceae	Introduced	
281	<i>Albizia lebbeck</i>	Fabaceae	Native	
282	<i>Cassia fistula</i>	Fabaceae	Native	
283	<i>Prosopis juliflora</i>	Fabaceae	Introduced	Invasive
284	<i>Adenanthera pavonina</i>	Fabaceae	Native	
285	<i>Pithecellobium dulce</i>	Fabaceae	Introduced	Invasive
286	<i>Acacia auriculiformis</i>	Fabaceae	Introduced	Invasive
287	<i>Acacia leucophloea</i>	Fabaceae	Native	
288	<i>Albizzia amara</i>	Fabaceae	Native	
289	<i>Bauhinia purpurea</i>	Fabaceae	Native	
290	<i>Bauhinia racemosa</i>	Fabaceae	Native	
291	<i>Erythrina variegata</i>	Fabaceae	Native	
292	<i>Saraca indica</i>	Fabaceae	Native	
293	<i>Butea monosperma</i>	Fabaceae	Native	
294	<i>Dichrostachys cinerea</i>	Fabaceae	Native	
295	<i>Cassia siamea</i>	Fabaceae	Introduced	
296	<i>Parkia biglandulosa</i>	Fabaceae	Introduced	
297	<i>Enterolobium contortisiliquum</i>	Fabaceae	Introduced	
298	<i>Alysicarpus ovalifolius</i>	Fabaceae	Native	
299	<i>Indigofera linnei</i>	Fabaceae	Native	
300	<i>Desmodium triflorum</i>	Fabaceae	Native	
301	<i>Cassia surattensis</i>	Fabaceae	Native	
302	<i>Clitoria ternatea</i>	Fabaceae	Introduced	
303	<i>Crotalaria leschenaultii</i>	Fabaceae	Native	
304	<i>Crotalaria retusa</i>	Fabaceae	Native	
305	<i>Cassia auriculata</i>	Fabaceae	Native	
306	<i>Cassia sophera</i>	Fabaceae	Introduced	
307	<i>Cassia tora</i>	Fabaceae	Introduced	
308	<i>Mimosa pudica</i>	Fabaceae	Introduced	Invasive
309	<i>Bauhinia acuminata</i>	Fabaceae	Introduced	
310	<i>Ceasalpinia pulcherrima</i>	Fabaceae	Introduced	
311	<i>Bauhinia tomentosa</i>	Fabaceae	Introduced	
312	<i>Gliricidia sepium</i>	Fabaceae	Introduced	
313	<i>Cassia javanica</i>	Fabaceae	Introduced	
314	<i>Acacia nilotica</i>	Fabaceae	Native	
315	<i>Libidibia ferrea</i>	Fabaceae	Introduced	
316	<i>Enterolobium cyclocarpum</i>	Fabaceae	Introduced	
317	<i>Neptunia pubescens</i>	Fabaceae	Introduced	
318	<i>Mimosa rubicaulis</i>	Fabaceae	Native	
319	<i>Acacia holosericea</i>	Fabaceae	Introduced	
320	<i>Crotalaria pumila</i>	Fabaceae	Introduced	
321	<i>Crotalaria verrucosa</i>	Fabaceae	Native	
322	<i>Abrus precatorius</i>	Fabaceae	Native	
323	<i>Canavalia ensiformis</i>	Fabaceae	Introduced	

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324	<i>Pterolobium hexapetalum</i>	Fabaceae	Native	
325	<i>Vigna trilobata</i>	Fabaceae	Native	
326	<i>Brachypterum scandens</i>	Fabaceae	Native	
327	<i>Cajanus scarabaeoides</i>	Fabaceae	Native	
328	<i>Aeschynomene indica</i>	Fabaceae	Native	
329	<i>Senna occidentalis</i>	Fabaceae	Introduced	Invasive
330	<i>Senna uniflora</i>	Fabaceae	Introduced	Invasive
331	<i>Canavalia rosea</i>	Fabaceae	Native	
332	<i>Tephrosia purpurea</i>	Fabaceae	Native	
333	<i>Macroptilium lathyroides</i>	Fabaceae	Introduced	Invasive
334	<i>Alysicarpus vaginalis</i>	Fabaceae	Native	
335	<i>Crotalaria pallida</i>	Fabaceae	Native	
336	<i>Erythrina variegata</i>	Fabaceae	Native	
337	<i>Libidibia coriaria</i>	Fabaceae	Introduced	
338	<i>Leucaena leucocephala</i>	Fabaceae	Introduced	Invasive
339	<i>Ormocarpum sennoides</i>	Fabaceae	Native	
340	<i>Parkinsonia aculeata</i>	Fabaceae	Introduced	
341	<i>Rhynchosia minima</i>	Fabaceae	Native	
342	<i>Saraca asoca</i>	Fabaceae	Native	
343	<i>Senegalia caesia</i>	Fabaceae	Native	
344	<i>Senna hirsuta</i>	Fabaceae	Introduced	Invasive
345	<i>Tephrosia maxima</i>	Fabaceae	Native	
346	<i>Vachellia leucophloea</i>	Fabaceae	Native	
347	<i>Acacia planifrons</i>	Fabaceae	Native	
348	<i>Senna alata</i>	Fabaceae	Introduced	Invasive
349	<i>Delonix elata</i>	Fabaceae	Introduced	
350	<i>Pterocarpus marsupium</i>	Fabaceae	Native	
351	<i>Pterocarpus santalinus</i>	Fabaceae	Native	
352	<i>Sesbania grandiflora</i>	Fabaceae	Introduced	
353	<i>Crotalaria laburnifolia</i>	Fabaceae	Native	
354	<i>Desmodium biarticulatum</i>	Fabaceae	Native	
355	<i>Indigofera tinctoria</i>	Fabaceae	Native	
356	<i>Rhynchosia cana</i>	Fabaceae	Native	
357	<i>Stylosanthes mucronata</i>	Fabaceae	Native	
358	<i>Cassia absus</i>	Fabaceae	Native	
359	<i>Cassia pumila</i>	Fabaceae	Native	
360	<i>Crotalaria evolvuloides</i>	Fabaceae	Native	
361	<i>Crotalaria medicaginea</i>	Fabaceae	Native	
362	<i>Crotalaria prostrata</i>	Fabaceae	Native	
363	<i>Desmodium gangeticum</i>	Fabaceae	Native	
364	<i>Goniogyna hirta</i>	Fabaceae	Native	
365	<i>Indigofera enneaphylla</i>	Fabaceae	Introduced	
366	<i>Phaseolus trilobus</i>	Fabaceae	Introduced	
367	<i>Pseudarthria viscida</i>	Fabaceae	Native	
368	<i>Pycnospora hedysaroides</i>	Fabaceae	Native	
369	<i>Rhynchosia aurea</i>	Fabaceae	Native	

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370	<i>Tephrosia pumila</i>	Fabaceae	Native	
371	<i>Zornia diphylla</i>	Fabaceae	Native	
372	<i>Canavalia Virosa</i>	Fabaceae	Native	
373	<i>Derris scandens</i>	Fabaceae	Native	
374	<i>Macroptilium atropurpureum</i>	Fabaceae	Introduced	Invasive
375	<i>Canscora heteroclite</i>	Gentianaceae	Native	
376	<i>Enicostema axillare</i>	Gentianaceae	Native	
377	<i>Exacum pedunculatum</i>	Gentianaceae	Native	
378	<i>Hoppea dichotoma</i>	Gentianaceae	Native	
379	<i>Elodea canadensis</i>	Hydrocharitaceae	Introduced	
380	<i>Ottelia alismoides</i>	Hydrocharitaceae	Native	
381	<i>Hydrolea zeylanica</i>	Hydroleaceae	Native	
382	<i>Curculigo orchoides</i>	Hypoxidaceae	Native	
383	<i>Bignonia megapotamica</i>	Lamiaceae	Introduced	
384	<i>Gmelina asiatica</i>	Lamiaceae	Native	
385	<i>Tectona grandis</i>	Lamiaceae	Native	
386	<i>Hyptis suaveolens</i>	Lamiaceae	Introduced	
387	<i>Clerodendrum inerme</i>	Lamiaceae	Native	
388	<i>Vitex negundo</i>	Lamiaceae	Native	
389	<i>Leucas aspera</i>	Lamiaceae	Native	
390	<i>Premna serratifolia</i>	Lamiaceae	Native	
391	<i>Orthosiphon aristatus</i>	Lamiaceae	Native	
392	<i>Anisomeles indica</i>	Lamiaceae	Native	
393	<i>Leonotis nepetifolia</i>	Lamiaceae	Introduced	Invasive
394	<i>Leucas biflora</i>	Lamiaceae	Native	
395	<i>Marrubium vulgare</i>	Lamiaceae	Introduced	
396	<i>Ocimum americanum</i>	Lamiaceae	Native	
397	<i>Anisomeles malabarica</i>	Lamiaceae	Native	
398	<i>Basilicum polystachyon</i>	Lamiaceae	Native	
399	<i>Coleus amboinicus</i>	Lamiaceae	Native	
400	<i>Ocimum tenuiflorum</i>	Lamiaceae	Native	
401	<i>Premna mollissima</i>	Lamiaceae	Native	
402	<i>Volkameria inermis</i>	Lamiaceae	Native	
403	<i>Leucas diffusa</i>	Lamiaceae	Native	
404	<i>Ocimum adscendens</i>	Lamiaceae	Native	
405	<i>Litsea glutinosa</i>	Lauraceae	Native	
406	<i>Barringtonia acutangula</i>	Lecythidaceae	Native	
407	<i>Couroupita guianensis</i>	Lecythidaceae	Introduced	
408	<i>Hugonia mystax</i>	Linaceae	Native	
409	<i>Lindernia dubia</i>	Linderniaceae	Introduced	
410	<i>Ilysanthes oppositifolia</i>	Linderniaceae	Native	
411	<i>Dendrophthoe falcata</i>	Loranthaceae	Native	
412	<i>Largerstroemia floribunda</i>	Lythraceae	Introduced	
413	<i>Largerstroemia speciosa</i>	Lythraceae	Native	
414	<i>Woodfordia fruticosa</i>	Lythraceae	Native	
415	<i>Punica granatum</i>	Lythraceae	Introduced	

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416	<i>Lawsonia inermis</i>	Lythraceae	Native	
417	<i>Lagerstroemia indica</i>	Lythraceae	Introduced	
418	<i>Ammannia baccifera</i>	Lythraceae	Native	
419	<i>Rotala leptopetala</i>	Lythraceae	Native	
420	<i>Magnolia champaca</i>	Magnoliaceae	Native	
421	<i>Galphimia glauca</i>	Malpighiaceae	Introduced	
422	<i>Hiptage benghalensis</i>	Malpighiaceae	Native	
423	<i>Thespesia populnea</i>	Malvaceae	Native	
424	<i>Adansonia digitata</i>	Malvaceae	Introduced	
425	<i>Bombax insigne</i>	Malvaceae	Native	
426	<i>Pterospermum acerifolium</i>	Malvaceae	Native	
427	<i>Ceiba pentandra</i>	Malvaceae	Introduced	
428	<i>Hibiscus tiliaceus</i>	Malvaceae	Native	
429	<i>Corchorus aestuans</i>	Malvaceae	Native	Invasive
430	<i>Hibiscus rosa-sinensis</i>	Malvaceae	Introduced	
431	<i>Hibiscus schizopetalus</i>	Malvaceae	Introduced	
432	<i>Waltheria indica</i>	Malvaceae	Introduced	Invasive
433	<i>Grewia asiatica</i>	Malvaceae	Native	
434	<i>Pavonia odorata</i>	Malvaceae	Native	
435	<i>Abutilon indicum</i>	Malvaceae	Native	
436	<i>Sida acuta</i>	Malvaceae	Introduced	Invasive
437	<i>Sida abutilifolia</i>	Malvaceae	Introduced	
438	<i>Sida cordifolia</i>	Malvaceae	Native	
439	<i>Hibiscus micranthus</i>	Malvaceae	Native	
440	<i>Hibiscus vitifolius</i>	Malvaceae	Native	
441	<i>Urena lobata</i>	Malvaceae	Native	
442	<i>Pentapetes phoenicea</i>	Malvaceae	Native	
443	<i>Berrya cordifolia</i>	Malvaceae	Native	
444	<i>Melochia corchorifolia</i>	Malvaceae	Native	
445	<i>Sida cordata</i>	Malvaceae	Native	
446	<i>Grewia rotundifolia/ Grewia orbiculata</i>	Malvaceae	Native	
447	<i>Helicteres isora</i>	Malvaceae	Native	
448	<i>Pterospermum suberifolium</i>	Malvaceae	Native	
449	<i>Grewia hirsuta</i>	Malvaceae	Native	
450	<i>Grewia orientalis</i>	Malvaceae	Native	
451	<i>Abutilon hirtum</i>	Malvaceae	Native	
452	<i>Malvastrum coromandelianum</i>	Malvaceae	Introduced	Invasive
453	<i>Melochia nodiflora</i>	Malvaceae	Introduced	
454	<i>Sida rhombifolia</i>	Malvaceae	Native	
455	<i>Sida schimperiana</i>	Malvaceae	Introduced	
456	<i>Triumfetta rhomboidea</i>	Malvaceae	Native	
457	<i>Martynia annua</i>	Martyniaceae	Introduced	Invasive
458	<i>Memecylon umbellatum</i>	Melastomataceae	Native	
459	<i>Osbeckia zeylanica</i>	Melastomataceae	Native	
460	<i>Azadirachta indica</i>	Meliaceae	Native	

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461	<i>Khaya senegalensis</i>	Meliaceae	Introduced	
462	<i>Swietenia macrophylla</i>	Meliaceae	Introduced	
463	<i>Swietenia mahagoni</i>	Meliaceae	Introduced	
464	<i>Pachygone ovata</i>	Menispermaceae	Native	
465	<i>Tinospora cordifolia</i>	Menispermaceae	Native	
466	<i>Cocculus hirsutus</i>	Menispermaceae	Native	
467	<i>Tiliacora acuminata</i>	Menispermaceae	Native	
468	<i>Nymphoides hydrophylla</i>	Menyanthaceae	Native	
469	<i>Paramollugo nudicaulis</i>	Molluginaceae	Native	
470	<i>Trigastrotheca pentaphylla</i>	Molluginaceae	Native	
471	<i>Mollugo oppositifolia</i>	Molluginaceae	Native	
472	<i>Ficus religiosa</i>	Moraceae	Native	
473	<i>Ficus benghalensis</i>	Moraceae	Native	
474	<i>Artocarpus integrifolia</i>	Moraceae	Native	
475	<i>Ficus amplissima</i>	Moraceae	Native	
476	<i>Ficus racemosa</i>	Moraceae	Native	
477	<i>Strebulus asper</i>	Moraceae	Native	
478	<i>Artocarpus heterophyllus</i>	Moraceae	Native	
479	<i>Ficus elastica</i>	Moraceae	Introduced	
480	<i>Ficus benjamina</i>	Moraceae	Native	
481	<i>Morus indica</i>	Moraceae	Native	
482	<i>Plecosperrum spinosum</i>	Moraceae	Native	
483	<i>Moringa oleifera</i>	Moringaceae	Native	
484	<i>Muntingia calabura</i>	Muntingiaceae	Introduced	Invasive
485	<i>Musa × paradisiaca</i>	Musaceae	Introduced	
486	<i>Syzygium cumini</i>	Myrtaceae	Native	
487	<i>Psidium guajava</i>	Myrtaceae	Introduced	Invasive
488	<i>Callistemon viminalis</i>	Myrtaceae	Introduced	
489	<i>Eugenia uniflora</i>	Myrtaceae	Introduced	Invasive
490	<i>Eucalyptus tereticornis</i>	Myrtaceae	Introduced	
491	<i>Callistemon lanceolatus/ Melaleuca citrina</i>	Myrtaceae	Introduced	
492	<i>Boerhavia diffusa</i>	Nyctaginaceae	Native	
493	<i>Bougainvillea spectabilis</i>	Nyctaginaceae	Introduced	
494	<i>Boerhavia erecta</i>	Nyctaginaceae	Introduced	Invasive
495	<i>Bougainvillea glabra</i>	Nyctaginaceae	Introduced	
496	<i>Pisonia grandis</i>	Nyctaginaceae	Native	
497	<i>Nymphaea alba</i>	Nymphaeaceae	Introduced	
498	<i>Nymphaea nouchali</i>	Nymphaeaceae	Native	
499	<i>Nymphaea rubra</i>	Nymphaeaceae	Native	
500	<i>Nymphaea pubescens</i>	Nymphaeaceae	Native	
501	<i>Ochna integerrima</i>	Ochnaceae	Introduced	
502	<i>Ochna serrulata</i>	Ochnaceae	Introduced	
503	<i>Ochna squarrosa</i>	Ochnaceae	Native	
504	<i>Nytanthes arbor-tristis</i>	Oleaceae	Native	
505	<i>Jasminum malabaricum</i>	Oleaceae	Native	

S. No	Scientific Name	Family	Status	Invasiveness
506	<i>Jasminum sambac</i>	Oleaceae	Native	
507	<i>Jasminum multipartitum</i>	Oleaceae	Introduced	
508	<i>Jasminum angustifolium</i>	Oleaceae	Native	
509	<i>Jasminum auriculatum</i>	Oleaceae	Native	
510	<i>Linociera zeylanica</i>	Oleaceae	Native	
511	<i>Ludwigia hyssopifolia</i>	Onagraceae	Introduced	
512	<i>Ludwigia adscendens</i>	Onagraceae	Native	
513	<i>Ludwigia perennis</i>	Onagraceae	Native	
514	<i>Cansjera rheedei</i>	Opiliaceae	Native	
515	<i>Eulophia epidendreae</i>	Orchidaceae	Native	
516	<i>Habenaria platyphylla</i>	Orchidaceae	Native	
517	<i>Spathoglottis plicata</i>	Orchidaceae	Native	
518	<i>Vanda tessellata</i>	Orchidaceae	Native	
519	<i>Vanda spathulata</i>	Orchidaceae	Native	
520	<i>Striga angustifolia</i>	Orobanchaceae	Native	
521	<i>Sopubia delphiniifolia</i>	Orobanchaceae	Native	
522	<i>Striga densiflora</i>	Orobanchaceae	Native	
523	<i>Biophytum sensitivum</i>	Oxalidaceae	Native	
524	<i>Pandanus tectorius</i>	Pandanaceae	Introduced	
525	<i>Argemone mexicana</i>	Papaveraceae	Introduced	Invasive
526	<i>Glicidia sepium</i>	Papilionaceae	Introduced	
527	<i>Pongamia pinnata</i>	Papilionaceae	Native	
528	<i>Turnera subulata</i>	Passifloraceae	Introduced	Invasive
529	<i>Turnera ulmifolia</i>	Passifloraceae	Introduced	Invasive
530	<i>Passiflora foetida</i>	Passifloraceae	Introduced	Invasive
531	<i>Pedaliium murex</i>	Pedaliaceae	Native	
532	<i>Sesamum alatum</i>	Pedaliaceae	Introduced	Invasive
533	<i>Sesamum indicum</i>	Pedaliaceae	Native	
534	<i>Phyllanthus emblica</i>	Phyllanthaceae	Native	
535	<i>Phyllanthus maderaspatensis</i>	Phyllanthaceae	Native	
536	<i>Phyllanthus reticulatus</i>	Phyllanthaceae	Native	
537	<i>Breynia androgyna</i>	Phyllanthaceae	Native	
538	<i>Flueggea leucopyrus</i>	Phyllanthaceae	Native	
539	<i>Phyllanthus acidus</i>	Phyllanthaceae	Introduced	
540	<i>Phyllanthus amarus</i>	Phyllanthaceae	Introduced	
541	<i>Phyllanthus maderaspatensis</i>	Phyllanthaceae	Native	
542	<i>Phyllanthus virgatus</i>	Phyllanthaceae	Native	
543	<i>Breynia retusa</i>	Phyllanthaceae	Native	
544	<i>Breynia vitis-idaea</i>	Phyllanthaceae	Native	
545	<i>Phyllanthus asperulatus</i>	Phyllanthaceae	Introduced	
546	<i>Securinega leucopyrus</i>	Phyllanthaceae	Native	
547	<i>Agyneia bacciformis</i>	Phyllanthaceae	Native	
548	<i>Piper betle</i>	Piperaceae	Introduced	
549	<i>Piper nigrum</i>	Piperaceae	Native	
550	<i>Peperomia pellucida</i>	Piperaceae	Introduced	Invasive
551	<i>Bacopa monnieri</i>	Plantaginaceae	Native	

S. No	Scientific Name	Family	Status	Invasiveness
552	<i>Scoparia dulcis</i>	Plantaginaceae	Introduced	Invasive
553	<i>Limnophila indica</i>	Plantaginaceae	Native	
554	<i>Angelonia salicariifolia</i>	Plantaginaceae	Introduced	
555	<i>Plumbago zeylanica</i>	Plumbaginaceae	Native	
556	<i>Bambus vulgaris</i>	Poaceae	Introduced	
557	<i>Axonopus compressus</i>	Poaceae	Introduced	Invasive
558	<i>Bambusa balcooa</i>	Poaceae	Native	
559	<i>Bambusa bambos</i>	Poaceae	Native	
560	<i>Chrysopogon fulvus</i>	Poaceae	Native	
561	<i>Chloris barbata</i>	Poaceae	Native	
562	<i>Chrysopogon zizanioides</i>	Poaceae	Native	
563	<i>Cymbopogon flexuosus</i>	Poaceae	Native	
564	<i>Cynodon dactylon</i>	Poaceae	Native	
565	<i>Dactyloctenium aegyptium</i>	Poaceae	Native	
566	<i>Echinochloa colonum</i>	Poaceae	Native	
567	<i>Eleusine indica</i>	Poaceae	Native	
568	<i>Eragrostis riparia</i>	Poaceae	Native	
569	<i>Eragrostis tenella</i>	Poaceae	Native	
570	<i>Eragrostis viscosa</i>	Poaceae	Native	
571	<i>Heteropogon contortus</i>	Poaceae	Native	
572	<i>Oplismenus burmanni</i>	Poaceae	Native	
573	<i>Perotis indica</i>	Poaceae	Native	
574	<i>Saccharum spontaneum</i>	Poaceae	Native	
575	<i>Urochloa reptans</i>	Poaceae	Native	
576	<i>Apluda aristata</i>	Poaceae	Native	
577	<i>Aristida funiculata</i>	Poaceae	Native	
578	<i>Aristida setacea</i>	Poaceae	Native	
579	<i>Cenchrus setigerus</i>	Poaceae	Native	
580	<i>Eragrostiella bifaria</i>	Poaceae	Native	
581	<i>Polygala chinensis</i>	Polygalaceae	Native	
582	<i>Polygala javana</i>	Polygalaceae	Native	
583	<i>Coccoloba uvifera</i>	Polygonaceae	Introduced	
584	<i>Antigonon leptopus</i>	Polygonaceae	Introduced	Invasive
585	<i>Polygonum plebeium</i>	Polygonaceae	Native	
586	<i>Pontederia crassipes</i>	Pontederiaceae	Introduced	Invasive
587	<i>Portulaca oleracea</i>	Portulacaceae	Introduced	Invasive
588	<i>Portulaca grandiflora</i>	Portulacaceae	Introduced	
589	<i>Portulaca quadrifida</i>	Portulacaceae	Native	
590	<i>Ceratopteris thalictroides</i>	Pteridaceae	Native	
591	<i>Putranjiva roxburghii</i>	Putranjivaceae	Native	
592	<i>Drypetes sepiaria</i>	Putranjivaceae	Native	
593	<i>Naravelia zeylanica</i>	Ranunculaceae	Native	
594	<i>Ziziphus mauritiana</i>	Rhamnaceae	Native	
595	<i>Ziziphus jujuba</i>	Rhamnaceae	Introduced	
596	<i>Ziziphus oenopolia</i>	Rhamnaceae	Native	
597	<i>Ventilago madraspatana</i>	Rhamnaceae	Native	

S. No	Scientific Name	Family	Status	Invasiveness
598	<i>Ziziphus xylopyrus</i>	Rhamnaceae	Native	
599	<i>Ixora pavetta</i>	Rubiaceae	Native	
600	<i>Morinda citrifolia</i>	Rubiaceae	Native	
601	<i>Oldenlandia umbellata</i>	Rubiaceae	Native	
602	<i>Canthium dicoccum</i>	Rubiaceae	Native	
603	<i>Benkara malabarica</i>	Rubiaceae	Native	
604	<i>Pavetta indica</i>	Rubiaceae	Native	
605	<i>Mussaenda philippica</i>	Rubiaceae	Introduced	
606	<i>Hamelia patens</i>	Rubiaceae	Introduced	
607	<i>Morinda pubescens</i>	Rubiaceae	Native	
608	<i>Oldenlandia corymbosa</i>	Rubiaceae	Native	
609	<i>Coffea wightiana</i>	Rubiaceae	Native	
610	<i>Ixora parviflora</i>	Rubiaceae	Introduced	
611	<i>Gardenia latifolia</i>	Rubiaceae	Native	
612	<i>Tarenna asiatica</i>	Rubiaceae	Native	
613	<i>Spermacoce ocymoides</i>	Rubiaceae	Native	
614	<i>Spermacoce hispida</i>	Rubiaceae	Native	
615	<i>Spermacoce articularis</i>	Rubiaceae	Native	
616	<i>Gardenia jasminoides</i>	Rubiaceae	Introduced	
617	<i>Ixora coccinea</i>	Rubiaceae	Native	
618	<i>Mussaenda erythrophylla</i>	Rubiaceae	Introduced	
619	<i>Neolamarckia cadamba</i>	Rubiaceae	Native	
620	<i>Pentas lanceolata</i>	Rubiaceae	Introduced	
621	<i>Canthium didymum</i>	Rubiaceae	Native	
622	<i>Canthium parviflorum</i>	Rubiaceae	Native	
623	<i>Xeromphis spinosa</i>	Rubiaceae	Native	
624	<i>Oldenlandia herbaceae</i>	Rubiaceae	Native	
625	<i>Mitracarpus hirtus</i>	Rubiaceae	Introduced	Invasive
626	<i>Limonia acidissima</i>	Rutaceae	Native	
627	<i>Atalantia monophylla</i>	Rutaceae	Native	
628	<i>Glycosmis mauritiana</i>	Rutaceae	Native	
629	<i>Murraya paniculata</i>	Rutaceae	Native	
630	<i>Aegle marmelos</i>	Rutaceae	Native	
631	<i>Bergera koenigii</i>	Rutaceae	Native	
632	<i>Citrus × limon</i>	Rutaceae	Introduced	
633	<i>Citrus medica</i>	Rutaceae	Introduced	
634	<i>Clausena anisata</i>	Rutaceae	Native	
635	<i>Pamburus missionis</i>	Rutaceae	Native	
636	<i>Zanthoxylum asiaticum</i>	Rutaceae	Native	
637	<i>Chloroxylon swietenia</i>	Rutaceae	Native	
638	<i>Glycosmis cochinchinensis</i>	Rutaceae	Introduced	
639	<i>Flacourtia indica</i>	Salicaceae	Native	
640	<i>Santalum album</i>	Santalaceae	Introduced	
641	<i>Sapindus trifoliatus</i>	Sapindaceae	Native	
642	<i>Lepisanthus tetraphylla</i>	Sapindaceae	Native	
643	<i>Cardiospermum halicacabum</i>	Sapindaceae	Native	

S. No	Scientific Name	Family	Status	Invasiveness
644	<i>Dodonaea viscosa</i>	Sapindaceae	Native	
645	<i>Filicium decipiens</i>	Sapindaceae	Native	
646	<i>Sapindus emarginatus</i>	Sapindaceae	Native	
647	<i>Schleichera trijuga</i>	Sapindaceae	Native	
648	<i>Allophylus serratus</i>	Sapindaceae	Native	
649	<i>Madhuca longifolia</i>	Sapotaceae	Native	
650	<i>Mimusops elengi</i>	Sapotaceae	Native	
651	<i>Manilkara hexandra</i>	Sapotaceae	Native	
652	<i>Manilkara zapota</i>	Sapotaceae	Introduced	
653	<i>Palaquium ellipticum</i>	Sapotaceae	Native	
654	<i>Datura metel</i>	Solanaceae	Introduced	
655	<i>Solanum anguivi</i>	Solanaceae	Introduced	
656	<i>Physalis minima</i>	Solanaceae	Introduced	
657	<i>Solanum surattense</i>	Solanaceae	Native	
658	<i>Solanum trilobatum</i>	Solanaceae	Native	
659	<i>Solanum virginianum</i>	Solanaceae	Native	
660	<i>Cestrum diurnum</i>	Solanaceae	Introduced	
661	<i>Physalis angulata</i>	Solanaceae	Introduced	Invasive
662	<i>Solanum incanum</i>	Solanaceae	Native	
663	<i>Solanum torvum</i>	Solanaceae	Introduced	Invasive
664	<i>Cestrum nocturnum</i>	Solanaceae	Introduced	Invasive
665	<i>Solanum nigrum</i>	Solanaceae	Native	
666	<i>Guazuma ulmifolia</i>	Sterculiaceae	Introduced	
667	<i>Sterculia foetida</i>	Sterculiaceae	Native	
668	<i>Pterospermum canescens</i>	Sterculiaceae	Native	
669	<i>Ravenala madagascariensis</i>	Strelitziaceae	Introduced	
670	<i>Talinum fruticosum</i>	Talinaceae	Introduced	
671	<i>Wikstroemia indica</i>	Thymelaeaceae	Native	
672	<i>Typha angustifolia</i>	Typhaceae	Introduced	Invasive
673	<i>Holoptelea integrifolia</i>	Ulmaceae	Native	
674	<i>Pilea microphylla</i>	Urticaceae	Introduced	Invasive
675	<i>Premna latifolia</i>	Verbenaceae	Native	
676	<i>Gmelina arborea</i>	Verbenaceae	Native	
677	<i>Vitex altissima</i>	Verbenaceae	Native	
678	<i>Lantana camara</i>	Verbenaceae	Introduced	Invasive
679	<i>Stachytarpheta jamaicensis</i>	Verbenaceae	Introduced	Invasive
680	<i>Phyla nodiflora</i>	Verbenaceae	Native	
681	<i>Duranta plumieri</i>	Verbenaceae	Introduced	
682	<i>Stachytarpheta indica</i>	Verbenaceae	Introduced	
683	<i>Pigea enneasperma</i>	Violaceae	Native	
684	<i>Cissus vitiginea</i>	Vitaceae	Native	
685	<i>Cissus quadrangularis</i>	Vitaceae	Native	
686	<i>Alpinia galana</i>	Zingiberaceae	Introduced	
687	<i>Tribulus terrestris</i>	Zygophyllaceae	Introduced	Invasive
688	<i>Guaiacum officinale</i>	Zygophyllaceae	Introduced	

Table 6: Butterflies recorded from Chennai (Indicator 6)

S. No.	Common Name	Scientific Name	Family
1	African Marbled Skipper	<i>Gomalia elma</i>	Hesperiidae
2	Brown Awl	<i>Badamia exclamationis</i>	Hesperiidae
3	Bush Hopper	<i>Ampittia dioscorides</i>	Hesperiidae
4	Chestnut Bob	<i>Iambrix salsala</i>	Hesperiidae
5	Common Banded Awl	<i>Hasora chromus</i>	Hesperiidae
6	Grass Demon	<i>Ancistroides folus</i>	Hesperiidae
7	Indian palm bob	<i>Suastus gremius</i>	Hesperiidae
8	Indian Skipper	<i>Spialia galba</i>	Hesperiidae
9	Pointed ciliate blue	<i>Anthene lycaenina</i>	Hesperiidae
10	Rice swift	<i>Borbo cinnara</i>	Hesperiidae
11	Small Branded Swift	<i>Pelopidas mathias</i>	Hesperiidae
12	Tricoloured Flat	<i>Coladenia indrani</i>	Hesperiidae
13	White Banded Awl	<i>Hasora taminatus</i>	Hesperiidae
14	African Babul Blue	<i>Azanus jesous</i>	Lycaenidae
15	Apefly	<i>Spalgis epius</i>	Lycaenidae
16	Bright babul blue	<i>Azanus ubaldus</i>	Lycaenidae
17	Common Cerulean	<i>Jamides celeno</i>	Lycaenidae
18	Common guava blue	<i>Virachola isocrates</i>	Lycaenidae
19	Common Mime	<i>Papilio clytia</i>	Lycaenidae
20	Common pierrot	<i>Castalius rosimon</i>	Lycaenidae
21	Common Shot silverline	<i>Spindasis ictis</i>	Lycaenidae
22	Dark Cerulean	<i>Jamides bochus</i>	Lycaenidae
23	Dark Grass Blue	<i>Zizeeria karsandra</i>	Lycaenidae
24	Forget Me Not	<i>Catochrysops strabo</i>	Lycaenidae
25	Gram Blue	<i>Euchrysops cnejus</i>	Lycaenidae
26	Indian Common line blue	<i>Prosotas nora</i>	Lycaenidae
27	Indian Red Flash	<i>Rapala iarbus</i>	Lycaenidae
28	Indian sunbeam	<i>Curetis thetis</i>	Lycaenidae
29	Indian Tailless line blue	<i>Prosotas dubiosa</i>	Lycaenidae
30	Large Oak Blue	<i>Arhopala amantes</i>	Lycaenidae
31	Lime Blue	<i>Chilades lajus</i>	Lycaenidae
32	Monkey puzzle	<i>Rathinda amor</i>	Lycaenidae
33	Opaque Six Line Blue	<i>Nacaduba beroe</i>	Lycaenidae
34	Oriental Grass Jewel	<i>Freyeria putli</i>	Lycaenidae
35	Pea Blue	<i>Lampides boeticus</i>	Lycaenidae
36	Plains Cupid	<i>Chilades pandava</i>	Lycaenidae
37	Small cupid	<i>Chilades parrhasius</i>	Lycaenidae
38	Tiny Grass Blue	<i>Zizula hylax</i>	Lycaenidae
39	Zebra blue	<i>Leptotes plinius</i>	Lycaenidae
40	Angled Castor	<i>Ariadne ariadne</i>	Nymphalidae
41	Black Rajah	<i>Charaxes solon</i>	Nymphalidae
42	Blue pansy	<i>Junonia orithiya</i>	Nymphalidae
43	Brown king crow	<i>Euploea klugii</i>	Nymphalidae
44	Chestnut streaked sailer	<i>Neptis jumbah</i>	Nymphalidae
45	Chocolate pansy	<i>Junonia iphita</i>	Nymphalidae
46	Common Bushbrown	<i>Mycalesis perseus</i>	Nymphalidae

S. No.	Common Name	Scientific Name	Family
47	Common castor	<i>Ariadne merione</i>	Nymphalidae
48	Common Evening Brown	<i>Melanitis leda</i>	Nymphalidae
49	Common leopard	<i>Phalanta phalantha</i>	Nymphalidae
50	Common Sailer	<i>Neptis hylas</i>	Nymphalidae
51	Danaid eggfly	<i>Hypolimnys misippus</i>	Nymphalidae
52	Double branded crow	<i>Euploea sylvestris</i>	Nymphalidae
53	Glassy tiger	<i>Parantica aglea aglea</i>	Nymphalidae
54	Great Eggfly	<i>Hypolimnys bolina</i>	Nymphalidae
55	Grey Pansy	<i>Junonia atlites</i>	Nymphalidae
56	Joker	<i>Byblia ilithyia</i>	Nymphalidae
57	Lemon pansy	<i>Junonia lemonias</i>	Nymphalidae
58	Painted Lady	<i>Vanessa cardui</i>	Nymphalidae
59	Peacock pansy	<i>Junonia almana</i>	Nymphalidae
60	Plain tiger	<i>Danaus chrysippus</i>	Nymphalidae
61	Tamil bush brown	<i>Mycalesis subdita</i>	Nymphalidae
62	Tawny Coster	<i>Acraea terpsicore</i>	Nymphalidae
63	Yellow pansy	<i>Junonia hierta</i>	Nymphalidae
64	Blue Mormon	<i>Papilio polymnestor</i>	Papilionidae
65	Common Palmfly	<i>Elymnias caudata</i>	Papilionidae
66	Common banded peacock	<i>Papilio crino</i>	Papilionidae
67	Common blue bottle	<i>Graphium sarpedon</i>	Papilionidae
68	Common Jay	<i>Graphium doson</i>	Papilionidae
69	Common lime butterfly	<i>Papilio demoleus</i>	Papilionidae
70	Common mormon	<i>Papilio polytes polytes</i>	Papilionidae
71	Common rose	<i>Pachliopta aristolochiae</i>	Papilionidae
72	Indian Wanderer	<i>Parerona hippia</i>	Papilionidae
73	Lesser Grass Blue	<i>Zizina otis</i>	Papilionidae
74	Lime Swallowtail	<i>Papilio demoleus</i>	Papilionidae
75	Narrow banded bluebottle	<i>Graphium teredon</i>	Papilionidae
76	Orange-crowned Cupid	<i>Everes lacturnus syntala</i>	Papilionidae
77	Pale grass blue	<i>Pseudozizeeria maha</i>	Papilionidae
78	Plum judy	<i>Abisara echerius prunosa</i>	Papilionidae
79	Southern Birdwing	<i>Troides minos</i>	Papilionidae
80	Spot sword tail	<i>Graphium nomius</i>	Papilionidae
81	Striped albatross	<i>Appias libythea</i>	Papilionidae
82	Tailed jay	<i>Graphium agamemnon</i>	Papilionidae
83	Tamil yeoman	<i>Cirrochroa thais thais</i>	Papilionidae
84	Chocolate Albatross	<i>Appias lyncida</i>	Peridae
85	Common emigrant	<i>Catopsilia pomona</i>	Peridae
86	Common Albatross	<i>Appias albina</i>	Pieridae
87	Common grass yellow	<i>Eurema hecabe</i>	Pieridae
88	Common gull	<i>Cepora nerissa</i>	Pieridae
89	Common jezebel	<i>Delias eucharis</i>	Pieridae
90	Common wanderer	<i>Parerona hippia</i>	Pieridae
91	Crimson Tip	<i>Colotis danae</i>	Pieridae
92	Great Orange tip	<i>Hebomoia glaucippe australis</i>	Pieridae
93	Little Orange Tip	<i>Colotis etrida</i>	Pieridae

S. No.	Common Name	Scientific Name	Family
94	Mottled emigrant	<i>Catopsilia pyranthe</i>	Pieridae
95	Pioneer white	<i>Belenois aurota</i>	Pieridae
96	Plain Orange Tip	<i>Colotis aurora</i>	Pieridae
97	Psyche	<i>Leptosia nina</i>	Pieridae
98	Small Grass Yellow	<i>Eurema drona rubella</i>	Pieridae
99	Small Salmon Arab	<i>Colotis amata</i>	Pieridae
100	Three spot grass yellow	<i>Eurema blanda</i>	Pieridae
101	White orange tip	<i>Ixias marianne</i>	Pieridae
102	Yellow orange tip	<i>Ixias pyrene</i>	Pieridae

Table 7: Fish recorded from the Arabian Sea and the wetlands of Chennai (Indicator 7)

S. No.	Common Name	Scientific Name	Family
1	Yellowfin surgeonfish	<i>Acanthurus xanthopterus</i>	Acanthuridae
2	Humpback unicornfish	<i>Naso brachycentron</i>	Acanthuridae
3	Bonefish	<i>Albula vulpes</i>	Albulidae
4	Pelagic thresher	<i>Alopias pelagicus</i>	Alopiidae
5	Commerson's Glassy Perchlet	<i>Ambassis commersoni</i>	Ambassidae
6	Climbing Perch	<i>Anabas testudineus</i>	Anabantidae
7	Indian Shortfin Eel	<i>Anguilla bicolor</i>	Anguillidae
8	Dwarf Panchax	<i>Aplocheilichthys parvus</i>	Aplocheilichthyidae
9	Hamilton's catfish	<i>Arius arius</i>	Ariidae
10	Small-eyed Catfish	<i>Arius jella</i>	Ariidae
11	Spotted Catfish	<i>Arius maculatus</i>	Ariidae
12	Long whiskers catfish	<i>Mystus gulio</i>	Bagridae
13	Hound needlefish	<i>Tylosurus crocodilus</i>	Belontiidae
14	Dwarf Gouramy	<i>Colisa lalia</i>	Belontiidae
15	Threespot Gouramy	<i>Trichogaster trichopterus</i>	Belontiidae
16	Yellowback fusilier	<i>Caesio xanthonota</i>	Caesionidae
17	Blackbanded trevally	<i>Seriolina nigrofasciata</i>	Carangidae
18	Blacktip trevally	<i>Caranx heberi</i>	Carangidae
19	Indian threadfish	<i>Scyris indica</i>	Carangidae
20	Giant trevally	<i>Caranx ignobilis</i>	Carangidae
21	Golden trevally	<i>Gnathanodon speciosus</i>	Carangidae
22	Talang queenfish	<i>Scomberoides commersonnianus</i>	Carangidae
23	Yellowstripe scad	<i>Selaroides leptolepis</i>	Carangidae
24	Mackerel scad	<i>Decapterus macrellus</i>	Carangidae
25	Shrimp scad	<i>Alepes djedaba</i>	Carangidae
26	Torpedo scad	<i>Megalaspis cordyla</i>	Carangidae
27	Yellowtail scad	<i>Atule mate</i>	Carangidae
28	Black pomfret	<i>Parastromateus niger</i>	Carangidae
29	Tille Trevally	<i>Caranax tille</i>	Carangidae

S. No.	Common Name	Scientific Name	Family
30	Yellowfin Jack	<i>Caranax ignobilis</i>	Carangidae
31	Banded Scad	<i>Caranax sexfasciatus</i>	Carangidae
32		<i>Alepes sp.</i>	Carangidae
33	Bigeye trevally	<i>Caranx sexfasciatus</i>	Carangidae
34	Spinner shark	<i>Carcharhinus brevipinna</i>	Carcharhinidae
35	Spadenose shark	<i>Scoliodon laticaudus</i>	Carcharhinidae
36	Vagabond butterflyfish	<i>Chaetodon vagabundus</i>	Chaetodontidae
37	Milkfish	<i>Chanos chanos</i>	Chanidae
38	Striped Snakehead	<i>Channa striatus</i>	Channidae
39	Spotted Snakehead	<i>Channa punctatus</i>	Channidae
40	Dorab wolf-herring	<i>Chirocentrus dorab</i>	Chirocentridae
41	Mozambique tilapia	<i>Oreochromis mossambica</i>	Cichlidae
42	Nile tilapia	<i>Oreochromis niloticus</i>	Cichlidae
43	Mozambique tilapia	<i>Oreochromis mossambicus</i>	Cichlidae
44	Orange Chromide	<i>Etroplus maculatus</i>	Cichlidae
45	Kelee Shad	<i>Hilsa kelee</i>	Clupeidae
46	Bloch's Gizzard Shad	<i>Nematalosa nasus</i>	Clupeidae
47	White Sardine	<i>Escualosa thoracata</i>	Clupeidae
48	Common dolphinfish	<i>Coryphaena hippurus</i>	Coryphaenidae
49	Swamp Barb	<i>Puntius chola</i>	Cyprinidae
50	Flying Barb	<i>Esomus danricus</i>	Cyprinidae
51	Kalabans	<i>Labeo dero</i>	Cyprinidae
52	Catla	<i>Gibelion catla</i>	Cyprinidae
53	Rosy Barb	<i>Puntius conchonus</i>	Cyprinidae
54	Spotfin or Swamp Barb	<i>Puntius sophore</i>	Cyprinidae
55		<i>Puntius sharmai</i>	Cyprinidae
56	Indian Carplet	<i>Amblypharyngodon microlepis</i>	Cyprinidae
57	Blackline Rasbora	<i>Rasbora daniconius</i>	Cyprinidae
58	Sharpnose stingray	<i>Maculabatis gerrardi</i>	Dasyatidae
59	Bengal whipray	<i>Brevitygon imbricata</i>	Dasyatidae
60	Honeycombed Stingray	<i>Dasyatis uarnak</i>	Dasyatidae
61		<i>Taeniura sp.</i>	Dasyatidae
62	Indian ocean blue-spotted maskray	<i>Neotrygon indica</i>	Dasyatidae
63	Longspined porcupine fish	<i>Diodon holocanthus</i>	Diodontidae
64	Indian oil sardine	<i>Sardinella longiceps</i>	Dorosomatidae
65	Goldstripe sardinella	<i>Sardinella gibbosa</i>	Dorosomatidae
66	Spotted sicklefish	<i>Drepane punctata</i>	Drepaneidae
67	Rainbow sardine	<i>Dussumieria acuta</i>	Dussumieriidae

S. No.	Common Name	Scientific Name	Family
68	Ladyfish	<i>Elops saurus</i>	Elopidae
69	Tenpounder	<i>Elops machnata</i>	Elopidae
70	Indian anchovy	<i>Stolephorus indicus</i>	Engraulidae
71	Malabar thryssa	<i>Thryssa malabarica</i>	Engraulidae
72	Moustached Thryssa	<i>Thryssa mystax</i>	Engraulidae
73	Banded Drepane	<i>Drepane longimana</i>	Ephippidae
74	Swordfish	<i>Cephalopholis formosa</i>	Epinephelidae
75	Malabar grouper	<i>Epinephelus malabaricus</i>	Epinephelidae
76	Striped grouper	<i>Epinephelus latifasciatus</i>	Epinephelidae
77	Bluelined hind	<i>Cephalopholis formosa</i>	Epinephelidae
78	Orange-spotted grouper	<i>Epinephelus coioides</i>	Epinephelidae
79	Manyspotted flyingfish	<i>Cheilopogon spilopterus</i>	Exocoetidae
80	Red cornetfish	<i>Fistularia petimba</i>	Fistulariidae
81	Common silver belly	<i>Gerres subfasciatus</i>	Gerreidae
82	Longfin mojarra	<i>Pentaprion longimanus</i>	Gerreidae
83	Whipfin Mojarra	<i>Gerres filamentosus</i>	Gerreidae
84	Common Mojarra	<i>Gerres oyena</i>	Gerreidae
85	Silvery Mojarra	<i>Gerres poeti</i>	Gerreidae
86	Wide nose guitarfish	<i>Glaucostegus obtusus</i>	Glaucostegidae
87	Tank Goby	<i>Glossogobius giurus</i>	Gobiidae
88	Longtail butterfly ray	<i>Gymnura poecilura</i>	Gymnuridae
89	Dusky rubberlip	<i>Plectorhinchus chubbi</i>	Haemulidae
90	Indian Ocean oriental sweetlips	<i>Plectorhinchus vittatus</i>	Haemulidae
91	Saddle grunt	<i>Pomadasys maculatus</i>	Haemulidae
92	Stinging Catfish	<i>Heteropneustes fossilis</i>	Heteropneustidae
93	Sailfish	<i>Istiophorus platypterus</i>	Istiophoridae
94	Two-spot razorfish	<i>Iniistius bimaculatus</i>	Labridae
95	False trevally	<i>Lactarius lactarius</i>	Lactariidae
96	Barramundi	<i>Lates calcarifer</i>	Latidae
97	Deep pugnose ponyfish	<i>Secutor ruconius</i>	Leiognathidae
98	Orange-fin ponyfish	<i>Photopectoralis bindus</i>	Leiognathidae
99	Toothed ponyfish	<i>Gazza minuta</i>	Leiognathidae
100	Splendid ponyfish	<i>Eubleekeria splendens</i>	Leiognathidae
101	Common ponyfish	<i>Leiognathus equulus</i>	Leiognathidae
102	Pugnose Ponyfish	<i>Secutor insidiator</i>	Leiognathidae
103	Pink ear emperor	<i>Lethrinus lentjan</i>	Lethrinidae
104	Spangled emperor	<i>Lethrinus nebulosus</i>	Lethrinidae
105	Tripletail	<i>Lobotes surinamensis</i>	Lobotidae
106	Common bluestripe snapper	<i>Lutjanus kasmira</i>	Lutjanidae
107	Yellowstreaked snapper	<i>Lutjanus lemniscatus</i>	Lutjanidae
108	Blubberlip snapper	<i>Lutjanus rivulatus</i>	Lutjanidae

S. No.	Common Name	Scientific Name	Family
109	Mangrove red snapper	<i>Lutjanus argentimaculatus</i>	Lutjanidae
110	Indian snapper	<i>Lutjanus madras</i>	Lutjanidae
111	Pinjalo	<i>Pinjalo pinjalo</i>	Lutjanidae
112	Indo-pacific tarpon	<i>Megalops cyprinoides</i>	Megalopidae
113	Moonfish	<i>Mene maculata</i>	Menidae
114	Devil fish	<i>Mobula mobular</i>	Mobulidae
115	Unicorn leatherjacket filefish	<i>Aluterus monoceros</i>	Monacanthidae
116	Flathead grey mullet	<i>Mugil cephalus</i>	Mugilidae
117	Goldspot mullet	<i>Liza parsia</i>	Mugilidae
118	Borneo mullet	<i>Liza macrolepis</i>	Mugilidae
119	Tade grey mullet	<i>Liza tade</i>	Mugilidae
120	Flathead grey mullet	<i>Mugil cephalus</i>	Mugilidae
121	Indian goatfish	<i>Parupeneus indicus</i>	Mullidae
122	Goldband goatfish	<i>Upeneus moluccensis</i>	Mullidae
123	Yellow Goatfish	<i>Upeneus sulphureus</i>	Mullidae
124	Daggertooth pike conger	<i>Muraenesox cinereus</i>	Muraenesocidae
125	Chinese numbfish	<i>Narcine lingula</i>	Narcinidae
126	Japanese threadfin bream	<i>Nemipterus japonicus</i>	Nemipteridae
127	Golden threadfin bream	<i>Nemipterus virgatus</i>	Nemipteridae
128		<i>Ophichthus microcephalus</i>	Ophichthidae
129	Rice-paddy eel	<i>Pisodonophis boro</i>	Ophichthidae
130	Three spotted flounders	<i>Pseudorhombus triocellatus</i>	Paralichthyidae
131	Big-scale bullseye	<i>Pempheris multiradiata</i>	Pempheridae
132	Bartail flathead	<i>Platycephalus indicus</i>	Platycephalidae
133	Gray eel-catfish	<i>Plotosus canius</i>	Plotosidae
134	Guppy	<i>Poecilia reticulata</i>	Poeciliidae
135	Guppy	<i>Poecilia reticulata</i>	Poeciliidae
136	Mosquitofish	<i>Gambusia affinis</i>	Poeciliidae
137	Four-finger threadfin/Indian Salmon	<i>Eleutheronema tetradactylum</i>	Polynemidae
138	Common threadfin	<i>Polydactylus plebius</i>	Polynemidae
139	Bluering angelfish	<i>Pomacanthus annularis</i>	Pomacanthidae
140	Black Sweetlip	<i>Plectorhynchus nigrus</i>	Pomadasyidae
141	Indian ilisha	<i>Ilisha melastoma</i>	Pristigasteridae
142	Indian halibut	<i>Psettodes erumei</i>	Psettodidae
143	Cobia	<i>Rachycentron canadum</i>	Rachycentridae
144	Smoothback guitarfish	<i>Rhinobatos lionotus</i>	Rhinobatidae
145	Grey Guitarfish	<i>Rhinobatos obtusus</i>	Rhinobatidae
146	Blue-barred parrotfish	<i>Scarus ghobban</i>	Scaridae
147	Spotted scat	<i>Scatophagus argus</i>	Scatophagidae
148	Kathala croaker	<i>Kathala axillaris</i>	Sciaenidae

S. No.	Common Name	Scientific Name	Family
149	Hooghly croaker	<i>Panna heterolepis</i>	Sciaenidae
150	Indian mackerel	<i>Rastrelliger kanagurta</i>	Scombridae
151	Indo-pacific king mackerel	<i>Scomberomorus guttatus</i>	Scombridae
152	Narrow-banded spanish mackerel	<i>Scomberomorus commerson</i>	Scombridae
153	Kawakawa	<i>Euthynnus affinis</i>	Scombridae
154	Skipjack tuna	<i>Katsuwonus pelamis</i>	Scombridae
155	Yellowfin tuna	<i>Thunnus albacares</i>	Scombridae
156	Devil firefish	<i>Pterois miles</i>	Scorpaenidae
157	Streaky spinefoot	<i>Siganus javus</i>	Siganidae
158	Silver Sillago	<i>Sillago sihama</i>	Sillaginidae
159	Shark Catfish	<i>Wallago attu</i>	Siluridae
160	Commerson's sole	<i>Dagetichthys commersonnii</i>	Soleidae
161	White-margined sole	<i>Dagetichthys marginatus</i>	Soleidae
162	Goldlined seabream	<i>Rhabdosargus sarba</i>	Sparidae
163	Blackfin barracuda	<i>Sphyrna qenie</i>	Sphyrnidae
164	Banded Barracuda	<i>Sphyrna jello</i>	Sphyrnidae
165	Scalloped hammerhead shark	<i>Sphyrna lewini</i>	Sphyrnidae
166	Silver pomfret	<i>Pampus argenteus</i>	Stromateidae
167	Orangebanded stingfish	<i>Choridactylus multibarbus</i>	Synanceiidae
168	Indian lizardfish	<i>Synodus indicus</i>	Synodontidae
169	Painted grinner	<i>Trachinocephalus trachinus</i>	Synodontidae
170	Jarbua terapon	<i>Terapon jarbua</i>	Terapontidae
171	Small-scaled banded grunter	<i>Terapon puta</i>	Terapontidae
172	Stellate puffer	<i>Arothron stellatus</i>	Tetraodontidae
173	Lunartail puffer	<i>Lagocephalus lunaris</i>	Tetraodontidae
174	Variable torpedo ray	<i>Torpedo sinuspersici</i>	Torpedinidae
175	Tripod Fish	<i>Triacanthus brevirostris</i>	Triacanthidae
176	Short-nosed Tripod Fish	<i>Triacanthus biaculeatus</i>	Triacanthidae
177	Big-eye houndshark	<i>Iago omanensis</i>	Triakidae
178	Savalai hairtail	<i>Lepturacanthus savala</i>	Trichiuridae
179	Dollfus' stargazer	<i>Uranoscopus guttatus</i>	Uranoscopidae

Table 8: Mammals recorded from the city of Chennai (Indicator 8)

S. No.	Common Name	Scientific Name	Family
1	Small Indian Mongoose	<i>Herpestes auropunctatus</i>	Herpestidae
2	Bonnet Macaque	<i>Macaca radiata</i>	Cercopithecidae
3	Palm civet/Toddy cat	<i>Paradoxurus hermaphroditus</i>	Vivveridae
4	Spotted deer	<i>Axis axis</i>	Cervidae
5	Three-striped Palm Squirrel	<i>Funambulus palmarum</i>	Sciuridae
6	Black Rat	<i>Rattus rattus</i>	Muridae
7	Indian gerbil	<i>Tatera indica</i>	Muridae

S. No.	Common Name	Scientific Name	Family
8	Greater bandicoot rat	<i>Bandicota indica</i>	Muridae
9	Greater false vampire bat	<i>Megaderma lyra</i>	Megadermatidae
10	Greater Asiatic yellow house bat	<i>Scotophilus heathii</i>	Vespertilionidae
11	Indian Pipistrelle	<i>Pipistrellus coromandra</i>	Vespertilionidae
12	Indian Flying-fox	<i>Pteropus giganteus</i>	Pteropodidae
13	Indian Jackal	<i>Canis aureus</i>	Canidae
14	Blackbuck	<i>Antelope cervicapra</i>	Bovidae
15	Indian hare	<i>Lepus nigricollis</i>	Leporidae
16	Jungle Cat	<i>Felis chaus</i>	Felidae
17	Domestic cat	<i>Felis catus</i>	Felidae
18	Indian grey mongoose	<i>Herpestes edwardsi</i>	Herpestidae
19	Indian crested porcupine	<i>Hystrix indica</i>	Hystriidae
20	Domestic dog	<i>Canis lupus familiaris</i>	Canidae
21	Indian Pangolin	<i>Manis crassicaudata</i>	Manidae

ANNEXURE 3 – PARKS UNDER THE ADMINISTRATION OF GCC

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
1	1	1	Thalankuppam slum tenements park	350	GCC
2	1	2	Anna Park	1537	GCC
3	1	2	Nehru nagar Ulaganathan Park	1275	GCC
4	1	3	Tsunami Quarters (Park-4)	1640	Outsourced Parks
5	1	3	Road side Park at A S Nagar between 1 st & 2 nd street Opposite to Pilikan amman koil	395	GCC
6	1	3	Road side Park at A S Nagar between 2nd & 3rd street Opposite to Pilikan amman koil	394	GCC
7	1	3	Tsunami Quarters (Park-11)	4738	Outsourced Parks
8	1	5	Srirangam New town (Sakthipuram)	3659	Outsourced Parks
9	1	5	Hansa Garden	1412	Outsourced Parks
10	1	5	MRF Thiruvottiyur - wimco nagar	4987	Outsourced Parks
11	1	7	Park at Ashok Avenue	844	GCC
12	1	7	Park at HANSA GEMS	1702	GCC
13	1	7	Glass Factory road	1384	GCC
14	1	11	Shanmuganar Park	2200	GCC
15	2	15	Manali New Town, Block No.29	1704	GCC
16	2	15	Manali New Town, Block No.63 (Edayanchavadi)	717	GCC
17	2	15	Manali New Town, Block No.65 (Edayanchavadi)	778	GCC
18	2	15	Ponnamman Nagar in DN - 15, Z - 02	736	GCC
19	2	15	Manali New Town, Block No.26 (Edayanchavadi) in Dn - 15	4623	Outsourced Parks
20	2	15	Manali new Town 54th Block 44th Street park CPS 6in Dn - 15	2050	Outsourced Parks
21	2	15	Thulasi Nagar in Dn - 15	2250	Outsourced Parks
22	2	16	Manali New Town, Block No.90 (Sadayankuppam)	721	GCC
23	2	16	Manali New Town, Block no.134&135 (Sadayankuppam)	985.54	GCC
24	2	16	Manali New Town, Block No.78 (Sadayankuppam)	303	GCC
25	2	16	Manali New Town Kanniammanpet Park	340	GCC
26	2	16	Manali new Town Block 100 & 101 Street Park CPS 2 in Dn - 16	1640	Outsourced Parks
27	2	16	Manali New Town, Block No.52 (Sadayankuppam) CPS 4in Dn - 16	1190	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
28	2	16	Manali New Town sadayankuppam phase II Park in Dn - 16	3693	Outsourced Parks
29	2	16	R.L Nagar in Dn - 16	2055	Outsourced Parks
30	2	17	Tirupathi Devasthanam Nagar Park	1280	GCC
31	2	17	Gnayar High Road, (Near Division 17 Office)	300	GCC
32	2	17	Thiyagi vishwanathadass Nagar in DN - 17	1872	Outsourced Parks
33	2	17	V.S Mani Nagar in DN - 17	8990	Outsourced Parks
34	2	18	Vimalapuram II street park	511	GCC
35	2	18	CPCL 4th street park-Part-1	225	GCC
36	2	18	Andarkuppam Redhills High Road(Andarkuppam park) in DN - 18	2482	Outsourced Parks
37	2	18	Neduchezyan Street(CPCL park) in DN - 18	1975	Outsourced Parks
38	2	18	CPCL Layout 3rd Street park in DN - 18	4410	Outsourced Parks
39	2	19	MMDA 34th street	251.3	GCC
40	2	19	Kamarajar Salai	832	GCC
41	2	19	MMDA 2nd Main Road in DN - 19	16362.05	Outsourced Parks
42	2	19	CPCL Layout, 3rd Main road, Junction of Manali Kosappur Highways & 200ft road in DN - 19	551	Outsourced Parks
43	2	19	CPCL Layout, 12th street Manjambakkam in DN - 19	449	Outsourced Parks
44	2	19	Gokulam Street in DN - 19	800	Outsourced Parks
45	2	20	Chinna Mathur Road	1925	GCC
46	2	21	Jalagandamariamman koil Street	616	GCC
47	2	15	Manali New town 40th Block	1070.49	GCC
48	2	15	Manali New town 40th Block	2073.71	GCC
49	2	17	Gnayar High Road (Near Division 17 Office)	300	GCC
50	2	19	MMDA 2nd Main Road	16362.05	GCC
51	3	23	Gurusanthi Nagar	958.91	Outsourced Parks
52	3	23	Macro Marvel 1st Cross Street	1008	Outsourced Parks
53	3	23	Macro Marvel 2nd Cross Street	504	Outsourced Parks
54	3	23	Macro Marvel Phase III	1093	Outsourced Parks
55	3	24	V.S. Mani Nagar 3rd Street Park-4	580	GCC
56	3	24	Ambattur Redhills Road Park	3000	Outsourced Parks
57	3	24	Silver Sky Park	2286	Outsourced Parks
58	3	24	V.S. Mani Nagar 3rd Street	3383	Outsourced Parks
59	3	30	Radiance Appartment park	1185	GCC
60	3	24	Gangatharan Street	840	Outsourced Parks
61	3	24	Sri Balaji Nagar Park -1 OSR Land	1150	GCC
62	3	24	Sri Balaji Nagar Park -3 OSR Land	1683	GCC

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
63	3	24	VS mani Nagar south side OSR Land Park	234	GCC
64	3	24	VS mani Nagar North side OSR Land Park	918	GCC
65	3	25	Sivasakthi Nagar	1168	GCC
66	3	25	RC Flats Arul Nagar	350	GCC
67	3	25	Thattankulam Road (Private Maintenance)	1647	Adoption
68	3	25	KVT (PHASE I) PARK AT V.S MANI NAGAR	369.4	GCC
69	3	25	KVT Phase II at VS Mani Nagar	1442.2	Outsourced Parks
70	3	25	KVT Phase III at VS Mani Nagar	2500	Outsourced Parks
71	3	25	VRD Nagar 1st Street	3375	Outsourced Parks
72	3	25	Ring Road Housing Sector	1775	Outsourced Parks
73	3	26	Park at Assisi Nagar 10th Street	1800	GCC
74	3	27	Park at Meenambal Avenue (Sasthri Nagar)	864.68	GCC
75	3	27	Padmagiri Nagar Phase II	6524	Outsourced Parks
76	3	27	Krishna Nagar	1200	Outsourced Parks
77	3	27	Padmagiri Nagar Phase I	4340	Outsourced Parks
78	3	27	B.P. Nagar	531.76	Outsourced Parks
79	3	28	RC Flats	350	GCC
80	3	28	GNT Road CASA GRAND	1639.59	Adoption
81	3	28	KKR Nagar 1st Main Road	4315	Outsourced Parks
82	3	28	KKR Garden 2nd Main Road	4035	Outsourced Parks
83	3	29	VGP Nagar Main Road	1000	GCC
84	3	29	Selvam Nagar Extension	743	GCC
85	3	29	Thanikachalam Nagar B Blk 5/2 Cr St	1221	Outsourced Parks
86	3	29	Thanikachalam Nagar 80 Feet Road	680	Outsourced Parks
87	3	29	Selvam Nagar 2nd Main Road	373	Outsourced Parks
88	3	29	Mahathma Gandhi Street	237	Outsourced Parks
89	3	30	RC Flats PRH Road	1450	Outsourced Parks
90	3	30	Park at Thanigachalam nagar 3rd street	1156	Outsourced Parks
91	3	30	Canal Park at BG Road	550	Outsourced Parks
92	3	30	Secretarite Colony Main Road	1210	Outsourced Parks
93	3	31	Padmavathy Nagar 6th Street	472.35	Outsourced Parks
94	3	31	Padmavathy Nagar 7th Street	2397	Outsourced Parks
95	3	31	Jai Maruthi nagar west side	852	GCC
96	3	31	Padmavathy Nagar Ext. 5th St	973	Outsourced Parks
97	3	31	Srinivasa Nagar Main Road	925	Outsourced Parks
98	3	31	Collector Nagar Main Road	1638	Outsourced Parks
99	3	25	KVT (PHASE I) PARK AT V.S MANI NAGAR	369.4	SHG
100	3	31	Thirumalai Srinivasa Nagar	1014	Outsourced Parks
101	3	31	Sowmiya Nagar	1267	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
102	3	31	Sathyamoorthy Nagar Co-Op. Society	2700	Outsourced Parks
103	3	31	Ranga Avenue Park	2782	GCC
104	3	31	Srinivasa Nagar 2nd Street Park	1189	Outsourced Parks
105	3	31	Jaimaruthi Nagar East side Park	660	Outsourced Parks
106	3	32	Park at SIS Captown Mettur Link road	254	GCC
107	3	32	Arrow New City (Thangal Karai Salai)	1243	Outsourced Parks
108	3	32	Sri Lakshmi Nagar	2790	Outsourced Parks
109	3	32	Selvakumaran nagar	2472	GCC
110	3	32	Sri Lakshmi Amman Nagar	1183	Outsourced Parks
111	3	32	DG Nagar	1288	Outsourced Parks
112	3	33	Teachers Colony 4th Cr St	1369	Outsourced Parks
113	3	33	Teachers Colony 6th Main Road	732	Outsourced Parks
114	4	34	Cauvery Nagar Park	1250	GCC
115	4	36	Indra Gandhi Nagar Park	1296	GCC
116	4	34	Union Carbide Colony 9th street	1125	Outsourced Parks
117	4	34	Binny Nagar main Road	855.17	Outsourced Parks
118	4	34	Binny Nagar Main Road	735.46	Outsourced Parks
119	4	34	Union Carbide Colony 14th street	937.3	Outsourced Parks
120	4	34	VenkateswarabColony 5th street	814.72	Outsourced Parks
121	4	35	Krishna street	1032.95	Outsourced Parks
122	4	35	Muthamizh Nagar 9th street	995	Outsourced Parks
123	4	35	Hansa Grdern GNT Road	980	Outsourced Parks
124	4	36	TV Nagar 5th street	443.22	Outsourced Parks
125	4	36	Vasugi Nagar	1283	Outsourced Parks
126	4	36	14th cross street	576	Outsourced Parks
127	4	36	MR Nagar	1553	Outsourced Parks
128	4	36	Sharmanagar 1st main Road	1994.79	Outsourced Parks
129	4	36	Sharmanagar 3rd main Road	666.4	Outsourced Parks
130	4	37	Mullai nagar burial ground	12740	Outsourced Parks
131	4	37	Sasirekamma nagar	654.84	Outsourced Parks
132	4	37	Jawahar street	1361.86	Outsourced Parks
133	4	37	Kannadasan nagar 7th block	459.24	Outsourced Parks
134	4	37	Vivekanantha street	290.58	Outsourced Parks
135	4	37	Ambedkar nagar	460.8	Outsourced Parks
136	4	37	Srinivasan Street	383.64	Outsourced Parks
137	4	37	Gandhi street	467.5	Outsourced Parks
138	4	37	Lingesan street	400.01	Outsourced Parks
139	4	37	MKB nagar 13th cross street	1832	Outsourced Parks
140	4	37	MKB nagar 16th east cross street	1645.92	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
141	4	37	MKB nagar 4th cross street	724.68	Outsourced Parks
142	4	38	Patel nagar	4298	Outsourced Parks
143	4	39	Thanthai Periyar Park street	3200	Outsourced Parks
144	4	40	Tsunami Nagar B Block	832	GCC
145	4	40	Tsunami Nagar M Block	1539	GCC
146	4	40	Prince Village Phase -1 at Elaya street	3450	Outsourced Parks
147	4	40	Elaya Park at Elaya Street	5915	Outsourced Parks
148	4	40	Thiruvallurvar Nagar 1st Main Road	2165	Outsourced Parks
149	4	40	Brindhavan Park at cross Road	565	Outsourced Parks
150	4	40	Prince Village Phase -2 at Elaya street	2451	Outsourced Parks
151	4	41	MGR Nagar	1170	GCC
152	4	42	Jeeva Park	1177	GCC
153	4	41	Nehru Nagar Park at 14th street	3050	Outsourced Parks
154	4	42	Rettai Kuzhi park at Rettai Kuzhi Street	1000	Outsourced Parks
155	4	42	Thiyagaraya Park at T.H.Road	1101	Outsourced Parks
156	4	43	Kasimedu Burial Ground	1732.4	GCC
157	4	48	Telugu Chetty Street	478	GCC
158	4	43	CDH Park	5620	Outsourced Parks
159	4	43	SN Chetty street	464.43	Outsourced Parks
160	4	44	Sathyavani Muth nagar	957	Outsourced Parks
161	4	45	Sanjay Nagar	2026	GCC
162	4	45	Vyasar Nagar	320	GCC
163	4	45	Kasthuri bai Gandhi nagar park	700	Outsourced Parks
164	4	45	Stephenson Lane park	1240	Outsourced Parks
165	4	45	Desiganandhapuram	495	Outsourced Parks
166	4	46	Moorthinagar Street Park	2620	GCC
167	4	47	Bharathi Nagar Housing Board	1914	GCC
168	4	46	Moorthi nagar street	957	Outsourced Parks
169	4	47	Amma Eco Park at CB Road	4647	Outsourced Parks
170	5	49	I Dreams (near 3rd Rajarathinam street)	474	GCC
171	5	49	Sivagamiammal park	164	GCC
172	5	50	Sundaramoorthy Park	221	GCC
173	5	50	Annual Maintance Park at NRT Bridge,	7325	Outsourced Parks
174	5	50	Annual Maintance Kamaraj Park at Sooriyanarayana Chetty	1836	Outsourced Parks
175	5	52	Basement Park MC Road	454	GCC
176	5	52	Anna Park	25197	GCC
177	5	53	Mint Model City Park	2365	GCC

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
178	5	53	Annual Maintance park at Wall Tax Road (Old Andhra bus stand park)	2070	Outsourced Parks
179	5	53	Mint flyover Park, Basin Bridge Road	9018	GCC
180	5	54	Annual Maintance Park at Sivananam Park,	3090	Outsourced Parks
181	5	56	Terrace Garden Park	3500	GCC
182	5	57	Annual Maintance Park at Sri Ramulu Park	2260	Outsourced Parks
183	5	58	Doveton Clock Towers Park	500	GCC
184	5	58	Thirumalai Park	765	GCC
185	5	58	Dinathanthi Office Near Park	1292	GCC
186	5	58	My Ladies Park	17552	GCC
187	5	58	Ragavendra Park	4160	GCC
188	5	58	Jermiah Park	983	GCC
189	5	59	Sivanandha Salai	500	GCC
190	5	60	Sathya Nagar Park	1554.32	GCC
191	5	60	Secretariate Park	60775	Outsourced Parks
192	5	61	Annual Maintance Park at Mayor Sundar Roa Park	3289	Outsourced Parks
193	5	61	Annual Maintance Park at Ethiraj Lane Park,	1565	Outsourced Parks
194	5	62	Annual Maintance Park at May Day Park	7939	Outsourced Parks
195	5	63	Adithanar Salai Park, D'	186	GCC
196	5	63	Annual Maintance Park at Raheja Park	2100	Outsourced Parks
197	6	64	Thirumalai Nagar Park	370	GCC
198	6	64	Rajaji Nagar Rohini Park	353	GCC
199	6	64	Srinivasan Nagar 3rd Cross Street Park	336	GCC
200	6	64	Mohammed Hussain Colony Park	255	GCC
201	6	64	Mahaveer Nagar Park	237	GCC
202	6	64	P.U. Shanmugam Park	186.24	GCC
203	6	64	Janakiram Reddy Colony Park in Dn-64, Un-15,	225	Outsourced Parks
204	6	64	R.K Senthili Nagar 10th cross street Park cy in Dn-64, Un-15,	168	Outsourced Parks
205	6	64	V.V Nagar Park in Dn-64, Un-15,	1450	Outsourced Parks
206	6	64	Senthil Nagar 13th cross street Park in Dn-64, Un-15,	425	Outsourced Parks
207	6	64	R.K.Syndicate Nagar Park in Div-64,Unit-15,	167	Outsourced Parks
208	6	64	Mayor Chittibabu park	4150	GCC
209	6	67	Thiru-vi-ka nagar 8th street park	540	GCC
210	6	65	Thiruveethiamman Koil Pond Park	5625	GCC
211	6	65	Thenpalani Nagar TVK Park	275	GCC
212	6	65	Thenpalani Nagar VOC Park	235	GCC
213	6	65	Poombughar Nagar Park in Div-65,Unit-15,	1032	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
214	6	65	Anjugam Nagar Park Div-65,Unit-15,	258	Outsourced Parks
215	6	65	Haridoss Pond Park in Div-65,Unit-15,	4370	Outsourced Parks
216	6	66	Park at Sakthivel nagar 2nd cross street in Dn 66,Unit 16,	1129	Outsourced Parks
217	6	67	Kennedy Square park at Kennedy Square 2nd North Street in Dn 67, Unit 16,	1186	Outsourced Parks
218	6	67	KKR Avenue park at Pallavan Salai in Dn 67, Unit -16,	1827	Outsourced Parks
219	6	67	George Colony Park	1784	Outsourced Parks
220	6	67	Annual Maintenance of kalaingar karunanidhi Park at SRP Koil Street (North) in Dn 67,Unit 16,	695	Outsourced Parks
221	6	67	Hussain park at Paper Mills Road in Dn 67,Unit 16,	1509	Outsourced Parks
222	6	68	Jawahar nagar 5th main road in Dn 68,Unit 16,	2989	Outsourced Parks
223	6	68	Periyar nagar 20th street in Dn 68,Unit 16,	2238	Outsourced Parks
224	6	68	Park at Jawahar nagar 2nd circular road in Dn 68,Unit 16,	1173	Outsourced Parks
225	6	69	Ananthan Park at Thanthonriyamman kovil street in Dn 69,Unit 15,	750	Outsourced Parks
226	6	69	GKM colony 24A pond park	10250	GCC
227	6	70	Venkateswara Nagar 1st Park	180	GCC
228	6	70	Ragavan Street Park	102	GCC
229	6	71	Kannabiram Koil Street	1400	GCC
2	6	71	Gandhi Park, M.H. Road	2095	CMRL
231	6	71	Rajiv Gandhi Park at Perambur High road in Dn 71,Unit 17, (Area of park-1723 sqm)	1723	Outsourced Parks
232	6	71	Vadivel 2nd cross Street Park in Dn71,Unit 17, Area of park-1375 sqm)	1375	Outsourced Parks
233	6	71	Murasolimaran park (North) at Perambur High road (North) in Division 71,Unit 17, (Area of park-10100sqm)	10100	Outsourced Parks
234	6	73	Quiad-e-millet Park	330	GCC
235	6	74	Krishnadoss road Park	1200	GCC
236	6	73	New OSR Park for the period of one year at New Ferrance Road in Div-73, Unit-17A,(Area = 5154 Sq.m)	5154	Outsourced Parks
237	6	73	Wadia Park at New Ferrance Road in Div-73,Unit-17A,	1800	Outsourced Parks
238	6	73	kalaingar karunanidhi park at perambur barracks road in dn73,unit-17,	450	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
239	6	74	Murasolimaran park (South) at Perambur High road (South) in Dn 74,Unit 17A,	9000	Outsourced Parks
240	6	75	Otteri Tropical Dry Ever Green Forest (Herbal Park)	42068	Outsourced Parks
241	6	76	Patel park at Chellappa street in dn-76,unit-17,	2204	Outsourced Parks
242	6	76	Bakthavachalam Park at Angalamman koil street in Dn-76,	560	Outsourced Parks
243	6	76	Conronsmith Park at CS nagar park street in Div-76,Unit-17	7848	Outsourced Parks
244	6	76	selvapathy Park at strahans road in Dn-76, Zone-6	2350	Outsourced Parks
245	6	77	New TPF Park at Basin Elephant Gate Road in Div-77, Unit-17,Zone-6	1550	Outsourced Parks
246	6	77	Amma Park at Basin Elephant Gate Road in Div-77,Unit-17	6500	Outsourced Parks
247	6	77	New OSR Park at K.P. PARK in Div-77, Unit-17.	1898	Outsourced Parks
248	7	79	LENIN NAGAR PARK	999	Outsourced Parks
249	7	79	RAM NAGAR PARK	720.22	Outsourced Parks
250	7	79	GANDHI NAGAR PARK	776	Outsourced Parks
251	7	79	LAKSHMI AMMAN NAGAR PARK	557.64	Outsourced Parks
252	7	79	THAMARAI KULAM PARK	12223	Outsourced Parks
253	7	80	THANGAL ERI PARK	12058	Outsourced Parks
254	7	80	Bharathi Nagar park	550	GCC
255	7	81	THIRUVENKADAM NAGAR PARK	3080	Outsourced Parks
256	7	81	KRISHNAPURAM PARK	2086	Outsourced Parks
257	7	81	SECRETRIAT COLONY PARK	365	Outsourced Parks
258	7	82	TATA COMMUNICATION PARK	8483	Outsourced Parks
259	7	82	DUGAR PARK,	1064	Outsourced Parks
260	7	82	NARAYANAN NAGAR PARK	491.51	Outsourced Parks
261	7	82	VANAN KULAM POND PARK	1396.76	Outsourced Parks
262	7	82	MENAMBEDU THANGAL POND PARK	7000	Outsourced Parks
263	7	83	Alliance Appartments (Kandigai)	4140.13	Adoption
264	7	83	SRI RANGA GARDEN PARK	786.24	Outsourced Parks
265	7	83	SUBBU LAKSHMI NAGAR PARK	1407	Outsourced Parks
266	7	83	NETHAJI NAGAR POND PARK	1645.85	Outsourced Parks
267	7	83	SASTHA NAGAR PARK	580	Outsourced Parks
268	7	83	THAMARAI KULAM POND PARK	15000	Outsourced Parks
269	7	83	HINDUSTAN NAGAR PARK	2027	Outsourced Parks
270	7	83	SIVALINGA PURAM POND PARK	2347.71	Outsourced Parks
271	7	83	PERUMAL KOIL POND PARK	1908.02	Outsourced Parks
272	7	83	Madhanakuppam Pond	28436	Outsourced Parks

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273	7	84	KR NAGAR PARK	1751	Outsourced Parks
274	7	84	TNHB 61ST STREET PARK	6783.02	Outsourced Parks
275	7	84	GANGAI AMMAN KOIL STREET PARK	412	Outsourced Parks
276	7	85	Kochar Park	1197.92	Adoption
277	7	85	RAIL VIHAR OSR PARK 2	684	Outsourced Parks
278	7	85	RAIL VIHAR OSR PARK 1	2996	Outsourced Parks
279	7	86	TNHB OSR land, Athipattu (Miyawakki)	2803.73	GCC
280	7	86	ICICI BANK PARK	1319	Outsourced Parks
281	7	86	INDIA LAND PARK	4070	Outsourced Parks
282	7	86	CTH ROAD PARK (OPP TO KOCHAR)	1116	Outsourced Parks
283	7	86	GOTHAVARI PARK	1071	Outsourced Parks
284	7	86	VGN SHANTHI NAGAR PARK	4010	Outsourced Parks
285	7	86	CHELLIAMMAN NAGAR PARK	835	Outsourced Parks
286	7	86	SINDU NATHI PARK	2600	Outsourced Parks
287	7	86	CHELLIAMMAN KOIL POND PARK	8622	Outsourced Parks
288	7	86	GOPAL SAMY STREET PARK	440	Outsourced Parks
289	7	86	VGN SHANTHI NAGAR COSMOPOLIS PARK	2989	Outsourced Parks
290	7	86	VGN SHANTHI NAGAR AT HARLOTON STREET	2699	Outsourced Parks
291	7	86	VGN SHANTHI NAGAR BRENT PARK	2795	Outsourced Parks
292	7	86	THAMIRABARANI STREET PARK OPP NEW CENTURY HOSPITAL STREET	1268.8	Outsourced Parks
293	7	86	THAMIRABHARANI STREET PARK JN OF CAUVERY STREET	1085.7	Outsourced Parks
294	7	86	TNHB PARK AT VANAGARAM MAIN ROAD	2803.73	Outsourced Parks
295	7	86	T T Mathew Road	100.00	GCC
296	7	88	Lokmaniya Thilagar street park	1083.78	GCC
297	7	87	TNHB 4TH STREET PARK	1283	Outsourced Parks
298	7	88	MILLIENIUM PARK	14700	Outsourced Parks
299	7	88	C.T.H. ROAD PARK Near Saravana stores	1872	SHG
300	7	88	B - SECTOR PARK	2343	Outsourced Parks
301	7	88	C - SECTOR PARK	3136	Outsourced Parks
302	7	88	AP PLOT PARK	960	Outsourced Parks
303	7	89	GOLDEN COLONY	4292	Outsourced Parks
304	7	89	TVS COLONY	1776	Outsourced Parks
305	7	89	OFFICERS COLONY	1153.49	Outsourced Parks
306	7	89	AKSHAYA COLONY	1320	Outsourced Parks
307	7	89	TVS AVENUE MAIN ROAD	2059	Outsourced Parks
308	7	89	COLLECTOR NAGAR	2920	Outsourced Parks
309	7	89	Madurai veeran street park	860.25	GCC

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310	7	89	TVS Avenue 34th street park	341.91	GCC
311	7	89	Jeevan Bheema Nagar 1st gate	573.25	Adoption
312	7	90	Pace Parana park	1066.00	Adoption
313	7	90	Maple Orchid Park	905.00	Adoption
314	7	90	TNHB FLATS (THIRUMANAGALAM MAIN ROAD)	1100	Outsourced Parks
315	7	90	HIG Flats OSR land park	243.69	GCC
316	7	90	EMERALD FLATS	1952	Outsourced Parks
317	7	90	ONGC PARK	4907.96	Outsourced Parks
318	7	90	WELCOME COLONY BLOCK NO- 49-A	630	Outsourced Parks
319	7	90	SANTHAM COLONY	1419.46	Outsourced Parks
320	7	90	GOLDEN JUBLEE	2826	Outsourced Parks
321	7	90	TNHB FLATS (PADI KUPPAM MAIN ROAD)	655.46	Outsourced Parks
322	7	90	ASIAD COLONY	3180	Outsourced Parks
323	7	90	Welcome Colony	988.00	GCC
324	7	90	Welcome Colony	524.90	GCC
325	7	90	SANTHAM COLONY	744.00	GCC
326	7	90	SANTHAM COLONY	1260.00	GCC
327	7	90	SANTHAM COLONY	831.45	GCC
328	7	90	Welcome Colony	480.00	GCC
329	7	90	Welcome Colony	864.92	GCC
330	7	90	Padikuppam main road Old Ben Foundation	905.70	GCC
331	7	90	Padikuppam main road Pace parana	148.01	GCC
332	7	90	Golden Jubilee Flats near Annai Flats	63.00	GCC
333	7	91	TRI STAR PARK	961	Outsourced Parks
334	7	91	MOGAPPAIR ERI SCHEME 8TH CROSS STREET	2279.4	Outsourced Parks
335	7	91	JESWANTH NAGAR PHASE- II	1900	Outsourced Parks
336	7	91	AIBEA NAGAR	1300	Outsourced Parks
337	7	91	MOGAPPAIR ERI SCHEME 1ST MAIN ROAD	976	Outsourced Parks
338	7	91	MOGAPPAIR ERI SCHEME 6TH MAIN ROAD	1201.24	Outsourced Parks
339	7	91	6TH BLOCK 8TH STREET	561.08	Outsourced Parks
340	7	91	MOGAPPAIR ERI SCHEME 15TH CROSS STREET	452	Outsourced Parks
341	7	91	MOGAPPAIR WEST BUS STAND	3463	Outsourced Parks
342	7	91	JESWANTH NAGAR PHASE- I	1590	Outsourced Parks
343	7	92	VEERAMAMUNIVAR STREET PARK	1075	Outsourced Parks
344	7	92	VENUGOPAL STREET PARK	398.82	Outsourced Parks
345	7	92	VARUN APPARTMENT PARK	688	Outsourced Parks
346	7	92	EB PARK	11455	Outsourced Parks
347	7	92	MANGAL ERI PARK	19500	Outsourced Parks
348	7	92	VGN RAKSHA PARK	638	Outsourced Parks

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349	7	92	CHURCH ROAD PARK	1000	Outsourced Parks
350	7	93	VEERAMAMUNIVAR STREET PARK	1200	Outsourced Parks
351	7	93	RAIL NAGR	1290	Outsourced Parks
352	7	93	MMM Hospital park	1300	Adoption
353	7	93	OV Joseph park	1200	GCC
354	7	90	VGN Park Padikuppam village	1437	Adoption
355	7	90	VGN Park Padikuppam village	432	Adoption
356	8	97	Pachaikal Veeraswamy Street, Ayanavaram, Chennai - 23.	928	GCC
357	8	99	Bank Manickam Park, Purasaiwalkam	350	GCC
358	8	100	Bashyam Park,Junction of Taylors road & Halls Road,Kilpauk, Chennai - 10.	430	GCC
359	8	100	Air india park, Harleys Lane,Kilpauk, Chennai - 10.	184	GCC
360	8	100	Kences Park at EVR Lane,Kilpauk, Chennai - 10.	1473	GCC
361	8	100	Prof.Subramaniam Park, Prof. Subramaniam Street, Kilpauk, Chennai - 10.	306	GCC
362	8	103	Tas Chellaiah Road, Anna Nagar, Chennai - 40.	100	GCC
363	8	107	Nelson Manickam Road (115),Aminjikarai	412.39	GCC
364	8	107	Nelson Manickam Road (Krishna building 116),Aminjikarai	173.6	GCC
365	8	108	Mayor Ramanathan Salai(Near TB Hospital), Chetpet, Chennai - 31.	69	GCC
366	8	99	True Value Homes, Bricklin Road, Purasaiwalkam	336	Adoption
367	8	99	True Value Homes, Bricklin Road, Purasaiwalkam	3215.9	Adoption
368	8	99	Arihant road, Bricklin Road, Purasaiwalkam	1380	Adoption
369	8	103	AD-Block Park 3rd Street, Anna Nagar, Chennai - 40.	3676.6	Adoption
370	8	107	Nelson Manickam Road near MGM Health Care	604	Adoption
371	8	108	Mayor Ramanathan Salai Eastern Side, Chetpet, Chennai - 31.	244	Adoption
372	8	94	SIDCO NAGAR 4TH MA ROAD	1918	Outsourced Parks
373	8	95	THIRU NAGAR 13TH BLOCK 11TH STREET PARK	7895	Outsourced Parks
374	8	96	UNITED DIA NAGAR (JEEVA PARK)	612.5	Outsourced Parks
375	8	96	KONNUR HIGH ROAD PARK	1000	Outsourced Parks
376	8	98	TNHB, AYANAVARAM, NR SOLAIAMMAN KOIL	911	Outsourced Parks
377	8	99	NEHRU PARK	7137	Outsourced Parks
378	8	101	G-BLOCK PARK	3489	Outsourced Parks
379	8	101	SCATTG PARK	11160	Outsourced Parks
380	8	101	Inner Circular road	378.75	Outsourced Parks
381	8	102	C-BLOCK PARK	2847	Outsourced Parks

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382	8	102	2 ND MA ROAD PARK	877.5	Outsourced Parks
383	8	102	BOGANVILLA PARK	8192	Outsourced Parks
384	8	103	7TH MA ROAD PARK	324	Outsourced Parks
385	8	103	AL-BLOCK 14TH MA ROAD PARK	3960	Outsourced Parks
386	8	104	I-BLOCK 2ND STREET PARK	2186	Outsourced Parks
387	8	104	I-BLOCK 38TH STREET PARK	1939	Outsourced Parks
388	8	104	W-BLOCK 'C' SECTOR 2ND STREET PARK	3106	Outsourced Parks
389	8	104	15TH MA ROAD (BPCL), RANGANATHAN GARDEN PARK	3711	Outsourced Parks
390	8	104	RBI 'Z' BLOCK PARK	2844	Outsourced Parks
391	8	104	Metro Zone	4 ACRE	Outsourced Parks
392	8	106	MMDA COLONY R BLOCK PARK	1200	Outsourced Parks
393	8	107	METAL FACTORY ROAD PARK	1486.8	Outsourced Parks
394	8	108	MAYOR SATHYAMURTHY SALAI PARK	3728	Outsourced Parks
395	8	97	VELLALA STREET ,AYANAVARAM	3106.5	Outsourced Parks
396	8	101	DR.VISWESWARAYA TOWER PARK AT 3RD MA ROAD, ANNA NAGAR	57927	Outsourced Parks
397	9	109	West Namachivayapuram Park	1322.75	GCC
398	9	109	Gil Nagar Park Shanmuganar Road	3167.44	Outsourced Parks
399	9	110	Independence Day Park Valluvar Kottam High Road	3920	Outsourced Parks
400	9	110	Anna Park Valluvar Kottam	139.45	Outsourced Parks
401	9	110	Harington Road Park	1070	Outsourced Parks
402	9	111	Ko Su Mani Park	312	GCC
403	9	111	Haddows Road Park	3200	Adoption
404	9	111	College Road Park (Near Sankar Nethralaya)	300	Adoption
405	9	111	College Road Park (Scope International)	2339.2	Adoption
406	9	111	Smith Road Park	100	Adoption
407	9	111	Binny Road - Spencer Plaza Park	4575.3	Adoption
408	9	111	Dhamotharan Street park	1450	GCC
409	9	111	Badri Road Park	2347	Outsourced Parks
410	9	111	Whites Road Park	4248	Outsourced Parks
411	9	111	Nungambakkam 4th Lane Park	5000	Outsourced Parks
412	9	111	College Lane Park	5000	Outsourced Parks
413	9	111	Rutland Gate 2nd Street Park	445	Outsourced Parks
414	9	112	Anbalagan Poonga Trust Puram 6th Cross Street	700	Outsourced Parks
415	9	112	Chirta Park Railway Barder Road Street	900	Outsourced Parks
416	9	113	Sharma Park Habibullah Road	1200	Outsourced Parks
417	9	113	Charri Park	650	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
418	9	113	Periyar Park	5000	Outsourced Parks
419	9	113	Kodambakkam High Road Park	2000	Outsourced Parks
420	9	114	Traffic Park Near Napier Bridge	4137	Adoption
421	9	114	Kamaraja Road Anna Memorial Park	12417	Outsourced Parks
422	9	116	Dr. Annie Besant Park	2000	GCC
423	9	118	Thiru.Vi.Ka Park SPS Street	1740	Outsourced Parks
424	9	118	G.N.Muthai Park	3000	Outsourced Parks
425	9	119	CIT Colony 5th Cross St Park	1355	Outsourced Parks
426	9	119	Parthasarathy Park V.M Street	675	Outsourced Parks
427	9	121	Thiruvalluvar Park	290	GCC
428	9	121	City Center - Nainar Road Park	1500	Outsourced Parks
429	9	122	Turnsbulls Park	8100	Outsourced Parks
430	9	123	Nageswara Rao Park	10000	Outsourced Parks
431	9	123	Karunanidhi Park	1800	Outsourced Parks
432	9	123	Raja Annamalaipuram 7th main Road park	1450	Outsourced Parks
433	9	124	Kalvari Street Park	872	Outsourced Parks
434	9	114, 116, 125, 120 & 121	Marina Beach park (lawn 1 -4)	45472.14	Outsourced Parks
435	9	125	Loop Road Park (Nochikuppam)	821.05	Outsourced Parks
436	9	126	Model Sensory Park and Garden	1529.5	GCC
437	9	126	Pattinapakkam Loop Road Park	3000	Outsourced Parks
438	9	126	Lazar Church Road Park	1684	Outsourced Parks
439	10	127	SAF Games Village OSR 13 Park, between B&C block	432	GCC
440	10	127	SAF Games Village OSR 14 Park	486	GCC
441	10	127	SAF Games Village Park 01	863	Outsourced Parks
442	10	127	SAF Games Village Park 02	4616	Outsourced Parks
443	10	127	SAF Games Village Park 03	633	Outsourced Parks
444	10	127	SAF Games Village Park 04	677	Outsourced Parks
445	10	127	SAF Games Village Park 05	577	Outsourced Parks
446	10	127	SAF Games Village Park 06	1137	Outsourced Parks
447	10	127	SAF Games Village Park 07	577	Outsourced Parks
448	10	127	SAF Games Village Park 08	1249	Outsourced Parks
449	10	127	SAF Games Village Park 09	708	Outsourced Parks
450	10	127	SAF Games Village Park 10	1307	Outsourced Parks
451	10	127	SAF Games Village Park 11	895	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
452	10	127	SAF Games Village Park 12	476	Outsourced Parks
453	10	127	Jai Nagar Park 1 & 2	10532	Outsourced Parks
454	10	127	West Natesan Park (RoadsidePark)	600	Outsourced Parks
455	10	127	Thaisha Park	6080	Outsourced Parks
456	10	127	Natesan Nagar Park	4059	Outsourced Parks
457	10	128	Vembuliamman Koil street	1475	Adoption
458	10	128	Annaji Nagar 2nd Main Road Park	1451.5	Outsourced Parks
459	10	128	Lambert Nagar II Main Road Park	900	Outsourced Parks
460	10	128	New Colony 5th cross street	896	Outsourced Parks
461	10	129	NSK Lane Park	620	GCC
462	10	129	Navalar Street Park	360	Outsourced Parks
463	10	129	Bhaskar Colony Park	2560	Outsourced Parks
464	10	129	Abusali Road Park	2540	Outsourced Parks
465	10	129	Arcot Road Park	2300	Outsourced Parks
466	10	129	Pillaiyar Koil Street Park	960	Outsourced Parks
467	10	129	Arunachalam salai (Kumaran colony 4th street Park)	1736	Outsourced Parks
468	10	130	Arcot Road Park , Near Forum Mall	5818.4	Adoption
469	10	132	Corporation colony, Kalaignar Park	2666.46	Outsourced Parks
470	10	133	Panagal Park	6000	Outsourced Parks
471	10	133	Jeeva Park	4582	Outsourced Parks
472	10	133	Natesan Park	10532	Outsourced Parks
473	10	132	Anna walkers Park UIC Colony ,	1663	Outsourced Parks
474	10	135	15th Sector , 98th street Park	335	Outsourced Parks
475	10	135	53rd Street Park	585	Outsourced Parks
476	10	135	12th Avenue Park	1451.5	Outsourced Parks
477	10	135	1st Avenue Park	2666.46	Outsourced Parks
478	10	135	14th Sector Park	4723	Outsourced Parks
479	10	136	Rani Anna Nagar Park	955	Outsourced Parks
480	10	136	Sivan Park	10992	Outsourced Parks
481	10	136	Kannigapuram Park	2442.5	Outsourced Parks
482	10	136	4th Sector Park	2940	Outsourced Parks
483	10	137	8th Sector Park	2075	Outsourced Parks
484	10	137	11th Sector Park	3985	Outsourced Parks
485	10	137	Erikarai Street Park-1	4760	Outsourced Parks
486	10	137	12th SECTOR Park	1953	Outsourced Parks
487	10	137	Erikarai Park, Nesapakkam (Park cum Play ground)	3600	Outsourced Parks
488	10	138	Anna mainroad park (K K nagar)	750	GCC

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
489	10	138	Bharathidasan Colony 5th Street Park	830	Outsourced Parks
490	10	138	Bharathidasan Colony 6th Street Park	2464	Outsourced Parks
491	10	139	Jafferkhanpet Main Road	500	Outsourced Parks
492	10	140	Ellaiamman Koil Street Park	8005	Outsourced Parks
493	10	140	Amma Park	2250	Outsourced Parks
494	10	141	CIT Nagar 3rd Main Road Park	4144	Outsourced Parks
495	10	142	West Jones Road Park	1183.44	GCC
496	10	142	Thadi Rathinam Street Park	591.25	GCC
4	10	130	Trellis Park (Previously adopted by Trellis south flat owners association)	2024.25	CMRL
498	11	143	DABC Gokulam Phase I, Sakthi nagar main road	1181.7	Adoption
499	11	143	Chanakiyan main road	8866.5	Adoption
500	11	143	Chanakiyan main road	3857.9	Adoption
501	11	143	"DABC Mithilam , Sakthi nagar main road Park"	518	Adoption
502	11	143	"DABC Gokulam Phase III , Sakthi nagar main road Park"	394	Adoption
503	11	143	"DABC Gokulam Phase II, Sakthi nagar main road Park"	3150	Adoption
504	11	143	"DABC Abinayam Phase II, Sakthi nagar 2nd Avenue Park"	1516	Adoption
505	11	143	Fomra , Sakthi nagar II Avenue Park	344	Adoption
506	11	143	"Abinayam Phase III , Sriram nagar main road Park"	770	Adoption
507	11	143	"DABC Aishwaryam Phase II , DABC main road"	1188	Adoption
508	11	143	"DABC Aishwaryam Phase I, DABC main road Park"	255	Adoption
509	11	143	"VGN la Parisienne , 4th main road Phase I Park"	1269	Adoption
510	11	143	Jain Sundarban , Gurusamy Salai Park	2384	Adoption
511	11	143	Akshaya homes , Gurusamy Salai Park	740	Adoption
512	11	143	VGN Minerva, Gurusamy Salai Park - 1	1211	Adoption
513	11	143	VGN Minerva ,Gurusamy Salai Park - 2	1792	Adoption
514	11	143	VGN Minerva ,Gurusamy Salai Park - 3	1400	Adoption
515	11	143	"City Lights Meadows , Andalammal Street park Park"	2522	Adoption
516	11	143	Indira splendor ,Uniuon road park	508	Adoption
517	11	143	"Kegyes Apoorva , Gangai amman koil street Park"	233	Adoption

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
518	11	143	Jain Nakchatra , Perumal koil Park	4209	Adoption
519	11	143	"Galaxy apartments , Phase I II main road Park"	468	Adoption
520	11	143	Sensory Park for Disabled children at Sakthi nagar main road	1188	Outsourced Parks
521	11	143	New park at TNHB Mogappair west main road.	2519	Adoption
522	11	143	Nolambur Phase-1, 7th main road	974.21	Outsourced Parks
523	11	143	Nolambur Phase-1,3rd main road	4242.37	Outsourced Parks
524	11	143	Nolambur Phase-1,9th main road (new)	1051.7	Outsourced Parks
525	11	143	Nolambur Phase-II, 7th Cross Street	3421.57	Outsourced Parks
526	11	143	Nolambur Phase-II, 3rd Cross Street	1682.14	Outsourced Parks
527	11	143	Nolambur Phase-1,6th main road	641.4	Outsourced Parks
528	11	143	Nolambur Phase-II, 13th Cross Street	2205	Outsourced Parks
529	11	143	Nolambur Phase-1,9th main road (Old)	1465	Outsourced Parks
530	11	143	Nolambur Channel Road	1117.53	Outsourced Parks
531	11	143	Nolambur Phase-I, 13th Cross Street	977.71	Outsourced Parks
532	11	143	Nolambur MCK Layout	1075.67	Outsourced Parks
533	11	143	Nolambur Phase-1, 1st main road	941.73	Outsourced Parks
534	11	143	Nolambur Phase-I, 6th Cross Street	216.79	Outsourced Parks
535	11	143	VGN Monte carlo, Garden Street	925.22	Outsourced Parks
536	11	143	VGN Monte carlo, Park Street	3326.76	Outsourced Parks
537	11	143	VOC salai Park	902.23	Outsourced Parks
538	11	143	S&P garden 8th Street	402.52	Outsourced Parks
539	11	143	S&P garden 2nd cross Street	1888	GCC
540	11	143	5th block, Kamarajar salai	429	GCC
541	11	143	Phase - I, 2nd Main road	463	GCC
542	11	143	S&P garden 1st main road	1406	GCC
543	11	144	VGP Amudha Nagar park	586	Outsourced Parks
544	11	144	7th Block main road, MMDA colony	577	GCC
545	11	145	Arulmighu Meenakshiamman nagar park	250	GCC
546	11	147	Bharathi Nagar 3rd Street	1130	Outsourced Parks
547	11	147	Pallavan Nagar Park	996.9	Outsourced Parks
548	11	147	Aringar Anna Park	1375.47	Outsourced Parks
549	11	147	Ganga Nagar 3rd main road	630	GCC
550	11	149	Alsa Park at Arcot Road	1512	Outsourced Parks
551	11	149	Ceebros Park at Neithal Street	1630	Outsourced Parks
552	11	149	Varadha Park at Brindhavan Nagar	2498.27	Outsourced Parks
553	11	149	Brindhavan Nagar Park	510	Outsourced Parks
554	11	149	Thiru vi ka Park at Gandhi Road	2415	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
555	11	149	Thanthai Periyar Nagar Park at Fathima Nagar	2730	Outsourced Parks
556	11	150	Karambakkam 1st Street, Karambakkam-Porur, Ch-116	323.37	Adoption
557	11	150	Chettiyar Agaram, (SPR Building), Porur, Ch-116	3700	Adoption
558	11	150	Agni fairy land	1740	Adoption
559	11	150	Sri Parasnath Nagar Park	2007	Outsourced Parks
560	11	150	Ponni Amman Koil Street Park	5070	Outsourced Parks
561	11	150	Maruthi Nagar Phase - 1&2 Park	2676	Outsourced Parks
562	11	150	Maharashi Teachers colony	452	GCC
563	11	150	Karunya nagar park	692	GCC
564	11	150	Maruthi Nagar Phase - 3 Park	1339	Outsourced Parks
565	11	150	Metro Nagar 4th Avenue	1112	Outsourced Parks
566	11	150	Subagiri Park	520	Outsourced Parks
567	11	151	Mount Poonamallee Road (Near Saravana Stores), Porur, Ch-116	1220.2	Adoption
568	11	151	TCG PARK , Mount Poonamallee Road	2503.3	Adoption
569	11	151	Mount Poonamallee Road (Near Mugalivakkam Signal), Mugaliwakkam, Ch-125	5670.7	Adoption
570	11	151	Sabari Nagar Park	927	Outsourced Parks
571	11	151	BBC Apartment	850	Adoption
572	11	151	Lakshmi Nagar Park 40ft road	998.3	Outsourced Parks
573	11	153	Sterling Avenue Main Road Park	722.13	Outsourced Parks
574	11	153	Udaya Nagar Park	650	Outsourced Parks
575	11	153	Kanniappan Salai Park	796.7	Outsourced Parks
576	11	153	Ramasamy Nagar Park	1033.26	Outsourced Parks
577	11	153	Ramakrishna Nagar Park	753.47	Outsourced Parks
578	11	154	Giri Nagar Park	706.23	Outsourced Parks
579	11	154	Tamil Nagar	750	GCC
580	11	154	Kurunji Nagar Park	832	Outsourced Parks
581	11	155	Ashwini amrasha Park	1765.16	Adoption
582	11	155	Marvel approva Park	1109.5	Adoption
583	11	155	TNHB Quarters Park	76.04	Outsourced Parks
584	11	155	Thiruvalluvar Salai	3127	Outsourced Parks
585	11	155	Eswaran Nagar Park (3rd street)	487.5	Outsourced Parks
586	11	155	Bharathi salai park	674.15	Outsourced Parks
587	11	155	Azhagapuri Nagar 6th Avenue	738.29	Outsourced Parks
588	11	155	KP Nagar Park	487.5	Outsourced Parks
589	11	155	Senthamil nagar park	380	Outsourced Parks
590	11	155	Jai Balaji Nagar Park	409	Outsourced Parks

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591	11	155	Rayala Nagar Park	1402.29	Outsourced Parks
592	12	156	SHUBASRI NAGAR EXTN 5 STREET CHILDRENS PARK	448.16	Outsourced Parks
593	12	156	MIYAWAKI FOREST AT BLOOMING GARDEN	1350	Outsourced Parks
594	12	156	ANNAI VELANKANNI PH-1,5TH STREET PARK	1282.4	Outsourced Parks
595	12	156	SSL GREEN PARK	523.6	Outsourced Parks
596	12	156	KALAIMAGAL NAGAR PARK	4690	Outsourced Parks
597	12	156	VND AVENUE VAIGAI PARK	2237.42	Outsourced Parks
598	12	156	SABARI NAGAR 1ST MAIN ROAD CHILDRENS PARK	701.5	Outsourced Parks
599	12	156	KUMUTHAM NAGAR PARK	2201.63	Outsourced Parks
600	12	156	MARYGOLD STREET PARK	1432.2	Outsourced Parks
601	12	156	VISWANATHAN PALANI PARK	599.04	Outsourced Parks
602	12	156	SABARI NAGAR 2ND MAIN ROAD PARK	941.5	Outsourced Parks
603	12	156	ANNAIVELANKANNI PH-1,2ND STREET PARK	1310.4	Outsourced Parks
604	12	156	AGS COLONY PH-3 PARK	2622	Outsourced Parks
605	12	156	SABARI NAGAR 5TH STREET PARK	437.5	Outsourced Parks
606	12	156	DEVADOSS STREET PARK	1176	Outsourced Parks
607	12	156	THIRUVALLUVAR NAGAR NATHAMUNI STREET PARK	4806.78	Outsourced Parks
608	12	156	RAJESWARI AVENUE SINDHU SALAI PARK	1900.15	Outsourced Parks
609	12	156	MADHA NAGAR 2ND MAIN ROAD PARK	1780	Outsourced Parks
610	12	156	KUNDRATHUR MAIN ROAD PARK	1112.03	Outsourced Parks
611	12	156	SANTHOSH NAGAR RAMACHANDRAN STREET PARK	4886.72	Outsourced Parks
612	12	156	ANNAI VELANKANNI NAGAR PH-2 MAIN ROAD PARK	2200	Outsourced Parks
613	12	156	Ramamoorthy avenue saroji street	1241	Outsourced Parks
614	12	156	SHANTHI NIKETHAN STREET PARK	410	Outsourced Parks
615	12	157	CRR PURAM L&T COLONY PARK	3174.1	Outsourced Parks
616	12	157	MACRO MARVEL	1272	Outsourced Parks
617	12	157	RIVER VIEW COLONY PH-I	2347	Outsourced Parks
618	12	157	RIVER VIEW COLONY PH-II	1917	Outsourced Parks
619	12	157	RIVER VIEW COLONY PH-III	1159	Outsourced Parks
620	12	157	BEL NAGAR	1434	Outsourced Parks
621	12	157	KAVYA GARDEN	1891	Outsourced Parks
622	12	157	NAVEEN'S	1135	Outsourced Parks
623	12	157	Sethulakshmi street	837	Outsourced Parks
624	12	158	SUNDAR NAGAR	495.9	Outsourced Parks

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625	12	160	NEW STREET	1467	Outsourced Parks
626	12	161	MURUGAN NAGAR	255	Outsourced Parks
627	12	161	JEEVAN NAGAR	263	Outsourced Parks
628	12	161	OFFICERS COLONY 1ST STREET PARK	1414	Outsourced Parks
629	12	161	TNGO COLONY	1234	Outsourced Parks
630	12	162	THILLAIGANGA NAGAR 33RD STREET	330	Outsourced Parks
631	12	162	THIRUVALLUVAR NAGAR 1ST STREET	609.12	Outsourced Parks
632	12	162	THIRUVALLUVAR NAGAR 3RD STREET	405.01	Outsourced Parks
633	12	162	NEHRU STREET PARK	1209	Outsourced Parks
634	12	162	Appasamy bannial street MKN street	1078.35	Outsourced Parks
635	12	162	Moorison 5th street	188	Outsourced Parks
636	12	163	SHANTHI NAGAR 3RD STREET	520	Outsourced Parks
637	12	163	SURENDRA NAGAR 3RD STREET	443.22	Outsourced Parks
638	12	164	NANGANALLUR 29TH STREET	353.76	Outsourced Parks
639	12	165	SOUTH SECTOR II ND STREET	799	Outsourced Parks
640	12	165	BALAJI NAGAR	717.8	Outsourced Parks
641	12	165	LAKSHMI NAGAR	243.04	Outsourced Parks
642	12	165	BHARATH NAGAR	1235.2	Outsourced Parks
643	12	165	NETHAJI PARK	410.4	Outsourced Parks
644	12	166	ANNA STREET PARK	995.07	Outsourced Parks
645	12	167	VIJAY AVENUE	153	Outsourced Parks
646	12	167	HINDU COLONY 26TH STREET PARK	270	Outsourced Parks
647	12	167	NANGANALLUR 100FEET ROAD SIDE PARK	520	Outsourced Parks
648	12	167	INDEPENDENCE DAY PARK	4552.96	Outsourced Parks
649	12	167	SBI BANK MAIN COLONY PARK	144.04	Outsourced Parks
650	12	167	VOLTAS COLONY 1ST STREET	1450.13	Outsourced Parks
651	12	167	LAKSHMI NAGAR 7TH STREET	1714.07	Outsourced Parks
652	12	167	LAKSHMI NAGAR 4TH STAGE	704	Outsourced Parks
653	12	167	KANNIGA COLONY	342.75	Outsourced Parks
654	12	167	CIVIL AVIATION COLONY PARK	1707.89	Outsourced Parks
655	12	167	NANGANALLUR 46TH STREET	535.37	Outsourced Parks
656	12	167	KANNAN NAGAR 1ST MAIN ROAD	458.64	Outsourced Parks
657	12	167	JAIN STAFF COLONY	379.17	Outsourced Parks
658	12	167	MMTC COLONY , ESWARAN KOVIL STREET	317.34	Outsourced Parks
659	12	167	VOLTAS COLONY 3RD STREET	896.06	Outsourced Parks
660	12	167	KANNAN NAGAR 1ST CROSS STREET	480.75	Outsourced Parks
661	12	167	EAST MAIN ROAD PARK	358.53	Outsourced Parks
662	13	168	Olimbiya Tech Park	3415.3	Adoption
663	13	168	Thamarai Tech Park	1687.8	Adoption

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664	13	168	ITC Park	1200	Adoption
665	13	168	Temple stop Park	450	Adoption
666	13	168	Central Execise Colony	856.33	Outsourced Parks
667	13	168	Customs colony	749.32	Outsourced Parks
668	13	168	Labour Colony	1388.77	Outsourced Parks
669	13	169	Velachery Main Road	148	GCC
670	13	169	LDG Road side park	152	GCC
671	13	169	Chinnamalai Park (Halda)	1577	Outsourced Parks
672	13	170	Kottur Garden 1st Cr. St., Infinity Park	2526	GCC
673	13	170	Trin Angle Park	250	GCC
674	13	170	NSK Park	103	GCC
675	13	170	Kottur Villa	214	Adoption
676	13	170	Chitra Nagar Park	1803.38	Outsourced Parks
677	13	170	Dhandayuthapani Park	1448.45	Outsourced Parks
678	13	170	Senior Citizen Park	582.37	Outsourced Parks
679	13	171	Jain Saagarika, Sathyadev Avenue	610	GCC
680	13	171	Somerset Greenways Hotel, Sathyadev avenue	784.37	GCC
681	13	171	The Lords Park Sathyadev Avenue	433.2	Adoption
682	13	171	TVH Belicia Tower, MRC Nagar extn	1047.74	Adoption
683	13	171	Chaitanya Park, Janaki Avenue Extn	269.42	GCC
684	13	171	Ceebros MRC Nagar (174)	2325.07	Adoption
685	13	171	Leela Palace Park Sathyadev Avenue	623.25	GCC
686	13	171	Karpagam Avenue 1st street, Raheja Regency	322.6	GCC
687	13	171	Kamaraj Salai (Dharmambal Park)	2156	Outsourced Parks
688	13	171	M.R.C Nagar Extn.	3392	Outsourced Parks
689	13	171	Krishnapuri Main Road	1089	Outsourced Parks
690	13	171	Vasantha Avenue	1392	Outsourced Parks
691	13	171	RK Nagar 2nd Street	1450	SHG
692	13	171	Kesavaperumal Puram East Avenue	1055	Outsourced Parks
693	13	171	Kesavaperumal Puram central Avenue	732	Outsourced Parks
694	13	171	MRC Nagar South Beach Avenue	1782	Outsourced Parks
695	13	172	Pandian Street (Pheonix Mall Park)	6655.94	Outsourced Parks
696	13	172	City Limit Road (Secretariate Colony Park)	2721.54	Outsourced Parks
697	13	173	Indira Nagar 26th Cr. Street	875	GCC
698	13	173	Rajiv gandhi road,	24300	Adoption
699	13	173	Adyar river bank, Kotturpuram	20215	GCC
700	13	173	Indira Nagar 4th Cross Street	6309.5	Outsourced Parks
701	13	173	Kamaraj Nagar 4th West Street	1865.6	Outsourced Parks
702	13	173	Kamaraj Nagar 13th West Street	707	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
703	13	173	Kamaraj Nagar 2nd West Street	1352	Outsourced Parks
704	13	174	Padmanabha Nagar 5th Street Park	1546	Outsourced Parks
705	13	174	Basant Nagar 14th street	600	GCC
706	13	174	Dr Muthulakshmi Salai (Aavin Park)	3872	Outsourced Parks
707	13	175	LH Nagar IV cross street Park	574	Outsourced Parks
708	13	175	New NGO Colony II main road Park	2032	Outsourced Parks
709	13	175	TNHB Colony 4th Street	789	Outsourced Parks
710	13	175	Mahalakshmi Nagar 1st Main Road	600	Outsourced Parks
711	13	176	AGS Colony 5th Cross Street	1518	Outsourced Parks
712	13	176	AGS Colony 4th Main Road	1339	Outsourced Parks
713	13	176	AGS Colony 4th Cross Street	1323	Outsourced Parks
714	13	176	Gangai Nagar 2nd Main Road	627	Outsourced Parks
715	13	176	MRTS Park	4500	Outsourced Parks
716	13	177	Bhethel Avenue Main Road	1728	Outsourced Parks
717	13	177	Thiruvalluvar Park	453.7	Outsourced Parks
718	13	177	Bharathiyar Park	969.54	Outsourced Parks
719	13	177	V.G.P. Selva Nagar 4th main road	2780	Outsourced Parks
720	13	177	Subramaniam Colony	2678	Outsourced Parks
721	13	177	V.G.P. Selva Nagar 2nd main road	3027.6	Outsourced Parks
722	13	178	Ramanujam IT City, Taramani	1200	Adoption
723	13	178	Ascendas Park	24300	Adoption
724	13	178	CSIR Road, Taramani, Chennai-113	24300	Adoption
725	13	178	World Bank Park	2250	Adoption
726	13	178	MGR Flim City Road	1340	Adoption
727	13	178	Kanagam, Nehru street,	1555.93	Outsourced Parks
728	13	178	Ramagiri Nagar 1st Street	1385.2	Outsourced Parks
729	13	179	M.G.R. Street	1340	Outsourced Parks
730	13	179	Tiger Varathachari Road Park	237	Outsourced Parks
731	13	179	CGE colony	990	Outsourced Parks
732	13	179	Yamuna Street Park	457	Outsourced Parks
733	13	179	Gangai Street (Arupadai Veedu)	3365	Outsourced Parks
734	13	180	"Thiruvalluvar Nagar I Avenue, Thiruvanmiyur, Ch-41"	2596	Adoption
735	13	180	Thiruvalluvar Nagar II main road	1397.19	Outsourced Parks
736	13	180	Thiruvalluvar Nagar 43rd Cross Street	877.29	Outsourced Parks
737	13	180	AIBEA Nagar (Devandra Nagar)	519.52	Outsourced Parks
738	13	180	Thiruvalluvar Nagar VII Cross Street	2054.32	Outsourced Parks
739	13	180	Valmigi Nagar - 69th Cross Street	909	Outsourced Parks
740	13	180	Journalist Colony	1730	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
741	13	180	1st Seaward Road	1131.07	Outsourced Parks
742	13	180	Kannappa Nagar	525.27	Outsourced Parks
743	13	178	IIT Reseach Park	4967	Adoption
744	14	181	Rajiv Gandhi Salai true value homes park	1696.28	Adoption
745	14	181	Rajiv Gandhi Salai prince info tech park	1564.34	Adoption
746	14	181	Rajiv Gandhi Salai HCL	544	Adoption
747	14	181	Karpagambal Nagar 3rd Street	668	Outsourced Parks
748	14	181	Netco colony	930.1	Outsourced Parks
749	14	182	Lakshmi tech (Near apollo proton)	1440	Adoption
750	14	182	OMR Apollo Hospital Park	664.1	Adoption
751	14	182	Thiruvalluvar street	2312	Outsourced Parks
752	14	182	Ramappa nagar 1st cross street	1120	Outsourced Parks
753	14	182	CBI Colony 2nd main road	4366	Outsourced Parks
754	14	182	Anna nedunsalai ferrai house park	5008	Outsourced Parks
755	14	182	Anna nedunsalai twin court park	397.52	Outsourced Parks
756	14	182	MGR Salai (Ramaniyam Kudirupu)	1680	Outsourced Parks
757	14	182	Sathyamoorthy road Lakshmanan Nagar	1519.48	Outsourced Parks
758	14	182	Anna Nedunsalai, Jain House	2027.25	Outsourced Parks
759	14	182	RMZ	2682	Outsourced Parks
760	14	183	kandasamy Nagar 3rd street	772.88	Outsourced Parks
761	14	183	Govindhan Nagar 1st street (Poomalai Street	307.4	Outsourced Parks
762	14	183	Vgp layout 4th main road	4280	Outsourced Parks
763	14	183	Palavakka ECR (amara) park	493	Outsourced Parks
764	14	184	Rajiv Nagar 1st Main Road Doshi flat park	1332	Adoption
765	14	184	Panchayat road jain anumitha flat park	317.26	Adoption
766	14	184	Corporation road park	1732	Adoption
767	14	184	Omathurai park	500	Outsourced Parks
768	14	184	Thirumalai nagar Park	4670	Outsourced Parks
769	14	184	Vengateswara nagar park	1658	Outsourced Parks
770	14	184	Rajiv nagar	3300	Outsourced Parks
771	14	184	Anna nedunchalai (Periyar Park)	1382	Outsourced Parks
772	14	184	Telephone nagar 2nd cross street	4647	Outsourced Parks
773	14	185	Lakshmi nagar 10th street	225	Outsourced Parks
774	14	186	Balaji nagar extn south	690	Outsourced Parks
775	14	186	lyyan thiruvalluvar park	1245.28	Outsourced Parks
776	14	186	Balaji nagar 19th street	5098	Outsourced Parks
777	14	186	Ags colony 2nd Street	1776.63	Outsourced Parks
778	14	186	Annai theerasa 14th street	1648.52	Outsourced Parks
779	14	186	Epr nagar	1324	Outsourced Parks

S. No.	Zone	Div	Name of the park	"Area in Sqm"	"Parks maintained by Adoption/ GCC/ Outsourcing"
780	14	186	Hindu colony 2nd Main Road park	650	Outsourced Parks
781	14	186	Velachery Innering Road	9000	Adoption
782	14	187	Park square colony park	856.13	Outsourced Parks
783	14	187	Karhtikeyapuram 6th street	861	Outsourced Parks
784	14	187	Mahatma ganthi park	841	Outsourced Parks
785	14	182	OMR Appollo Proton	1062	Adoption
786	14	188	Rajalakshmi nagar 1st Main Road	1219.6	Outsourced Parks
787	14	188	Anna nagar 5th main road	359.39	Outsourced Parks
788	14	188	Dr Ramamoorthy nagar park 1st Main Road	1399.07	Outsourced Parks
789	14	188	JV Nagar	856.13	Outsourced Parks
790	14	188	Ram Nagar 8th cross street	1176.96	Outsourced Parks
791	14	184	WTC park	4278	Adoption
792	14	188	Naickar Kuttai Mahalakshmi Nagar Main Road	4170	Outsourced Parks
793	14	188	Senthil Nagar Main Road	1068.59	Outsourced Parks
794	14	189	Kamakoti Nagar 6th Street North	2970	Outsourced Parks
795	14	189	Jones foundation east (near Max worth Nagar)	1038.58	Adoption
796	14	189	Jones foundation west (near Max worth Nagar)	861.18	Adoption
797	14	189	Astalakshmi avenune	2590	Outsourced Parks
798	14	189	VGP shanthi nagar	2160	Outsourced Parks
799	14	189	Arumugam nagar	768	Outsourced Parks
800	14	189	IIT colony 3rd main road	3468.65	Outsourced Parks
801	14	189	Kamakotti nagar 1st main road	6383	Outsourced Parks
802	14	189	Thamaraikulam park	5570	Outsourced Parks
803	14	189	Herbal park	1687	Outsourced Parks
804	14	189	Chettinadu housing park1	120	Outsourced Parks
805	14	189	Chettinadu housing park3	532	Outsourced Parks
806	14	191	Casagrand tranquil	1573	Adoption
807	14	189	Kamakotti Nagar 9th cross Street,	1838	Outsourced Parks
808	14	189	Rajesh nagar	666.75	Outsourced Parks
809	14	191	Casagrand tranquil	456	Adoption
810	14	191	Jayachandran nagar 5th main road	1934	Outsourced Parks
811	14	191	Jayachandran nagar 1st main road	5880	Outsourced Parks
812	14	191	Muthu Nagar park	4618	GCC
813	14	191	Krishna Nagar Park	184.44	GCC
814	14	191	Selene Estate	5642	Outsourced Parks
815	14	191	Jayachandran 1st Street Pond Park	5824	GCC
816	14	190	Ambal Nagar Pond Park	5900	GCC
817	14	191	G Square	3663	GCC
818	15	192	Raja nagar park in Dn.192	1844.82	Outsourced Parks

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819	15	192	Workers Estate park in Dn.192	877.96	Outsourced Parks
820	15	193	Sakthi Nagar Main Road park	1230	Outsourced Parks
821	15	193	"Vinayaga nagar park, Vinayaga nagar 1st main road"	772	Outsourced Parks
822	15	193	200 Feet Road (Radial Road)	1361.44	Adoption
823	15	193	Ananda nagar 5th cross street in Dn.193	2637	Outsourced Parks
824	15	193	Balamurugan Garden Park in Dn.193	4419	Outsourced Parks
825	15	193	Customs Colony Main road in Dn.193	3375	Outsourced Parks
826	15	193	R.E.Nagar main road in Dn.193	840	Outsourced Parks
827	15	193	Sri Sai nagar Park in Dn.193	7316	Outsourced Parks
828	15	194	Anna Enclave	536	Outsourced Parks
829	15	194	VGP layout park in Dn.194	1486	Outsourced Parks
830	15	195	Guindy Engineering college park	1470	Outsourced Parks
831	15	195	Foundry Street park	520.48	Outsourced Parks
832	15	195	Bharathiyar Nagar	1136.39	Adoption
833	15	195	Kamarajar Street	2323.24	Adoption
834	15	195	Rajiv Gandhi Road (Old Mahabalipuram Road)	624.99	Adoption
835	15	195	Rajiv Gandhi Road (Old Mahabalipuram Road)	1417	Adoption
836	15	195	Krishna Nagar Kumaran Kudil 3rd Cross Street	960.18	Adoption
837	15	195	Rajiv Gandhi Road (Old Mahabalipuram Road)	2128	Adoption
838	15	195	Sowdeeswari nagar (creek street) in Dn.195	2084	Outsourced Parks
839	15	195	Sowdeeswari nagar (CTS O.M.R) in Dn.195	3824	Outsourced Parks
840	15	195	Secretariat colony 1st Main Road in Dn.195	17102	Outsourced Parks
841	15	195	PTC Quarters Park in Dn.195	1416	Outsourced Parks
842	15	195	Chandrasekaran avenue park in Dn.195	4580	Outsourced Parks
843	15	195	Sakthi srinivasa road in Dn.195	3385	Outsourced Parks
844	15	196	Shakthi Garden	2417.39	Adoption
845	15	196	Shakthi Garden	624.99	Adoption
846	15	196	Annai Indira nagar 1st Main Road in Dn.196	4097	Outsourced Parks
847	15	196	Kannagi Nagar 2nd Cross Street in Dn.196	1600	Outsourced Parks
848	15	196	Kannagi Nagar 7th Cross Street in Dn.196	1150	Outsourced Parks
849	15	196	Kannagi Nagar 10th Cross Street in Dn.196	2000	Outsourced Parks
850	15	196	Kannagi Nagar 9th Main Road in Dn.196	1460	Outsourced Parks
851	15	196	Thiruvallur street Park	301	Outsourced Parks
852	15	197	"Bakthi Vedantha salai park, Akkarai Village Main Street (Near Iskan Temple)"	2860	Outsourced Parks
853	15	197	East Coast Road	4699	Adoption
854	15	197	East Coast Road	2161.43	Adoption
855	15	197	East Coast Road	5746	Adoption

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856	15	197	VGP 2 nd main road (Sea cliff Main Road) in Dn.197	2452.64	Outsourced Parks
857	15	197	VGP 2nd main road (mahaveerar street) park in Dn.197	1406.66	Outsourced Parks
858	15	197	VGP south mainroad (NRI Layout park)	2401	Outsourced Parks
859	15	198	Aringer Anna Street	1675	Outsourced Parks
860	15	198	Rajiv Gandhi Road (Old Mahabalipuram Road)	1155.96	Adoption
861	15	198	Eswaran Street	131	Adoption
862	15	198	River View Residency 4th Street	4620.7	Adoption
863	15	198	Rajiv Gandhi Salai Park (Paypal)	2147.8	Adoption
864	15	198	Eswaran Street Muthamil Nagar (Near Casa crandy)	1233	Adoption
865	15	198	Reverview 6th street (Near Casa Crandy)	208	Adoption
866	15	198	Rajiv Gandhi Salai Park (Prestige)	1123.78	Adoption
867	15	198	School 1st Street (Near Decan Building)	228.6	Adoption
868	15	198	Eswaran Street	488.04	Adoption
869	15	198	Kamala Nagar Main Road (Near ASV)	2448.45	Adoption
870	15	198	Devaraj nagar 2nd main road park in Dn.198	3391	Outsourced Parks
871	15	198	Rajiv Gandhi Salai, Tecci Park in Dn.198	2086	Outsourced Parks
872	15	198	Rajiv Gandhi Salai, Dollar Park in Dn.198	1496.54	Outsourced Parks
873	15	198	Sadagoppan Street in Dn.198	1679.63	Outsourced Parks
874	15	198	New kumarannagar 2nd main road in Dn.198	4857	Outsourced Parks
875	15	198	Nehru Street Park	731.57	Outsourced Parks
876	15	199	Shozhanganallur Link Street	1030	Adoption
877	15	199	Prithyangara Koil Street	3668	Adoption
878	15	199	Prithyangara Koil Street	2015	Adoption
879	15	199	Model School Road	1756	Adoption
880	15	199	Kumarasamy Nagar Main Road (Open Ground)	1571.9	Adoption
881	15	199	Rajiv Gandhi Road (Old Mahabalipuram Road)	1199.39	Adoption
882	15	199	Rajiv Gandhi Road (Old Mahabalipuram Road)	471.11	Adoption
883	15	199	Rajiv Gandhi Salai Park (Citadens Hotel)	695	Adoption
884	15	199	Rajiv Gandhi Salai (Appasamy)	1740	Adoption
885	15	199	Elcot Avenue 1st street in Dn.199	1157	Outsourced Parks
886	15	199	Kumarasamy Nagar Central Park West in Dn.199	1619	Outsourced Parks
887	15	199	Kumarasamy Nagar Main Road North Park in Dn.199	1719.8	Outsourced Parks
888	15	199	Kumarasamy Nagar 6th street in Dn.199	3066	Outsourced Parks
889	15	199	Neduncheliyan street in Dn.199	1370	Outsourced Parks
890	15	199	TNHB B6 ROAD in Dn.199	8482.75	Outsourced Parks

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891	15	199	TNHB C6 ROAD in Dn.199	903	Outsourced Parks
892	15	199	TNHB E12 ROAD in Dn.199	2420.29	Outsourced Parks
893	15	199	TNHB E17 ROAD in Dn.199	1230	Outsourced Parks
894	15	199	PONDICHERRY PATTAI ROAD in Dn.199	1114	Outsourced Parks
895	15	199	TNHB C7 road Park	643	Outsourced Parks
896	15	199	TNHB A road Park	396.26	Outsourced Parks
897	15	199	KK salai link road Park	1030	Outsourced Parks
898	15	199	Balaji nagar Mainroad Park	1740	Outsourced Parks
899	15	200	Rajiv Gandhi Road park (Near Times of India)	2400	Outsourced Parks
900	15	200	Nookampalaiyam Link Road (Near Elegant pinnacle apartment)	1079.48	Outsourced Parks
901	15	200	Nookampalaiyam Link Road (Near Microchip technology)	510	Outsourced Parks
902	15	200	Nookampalaiyam Link Road	282	Adoption
903	15	200	Rajiv Gandhi Road (Old Mahabalipuram Road)	1780.45	Adoption
904	15	200	TNSCB 1st main road in Dn.200	4420	Outsourced Parks
905	15	200	TNSCB 2nd main road in Dn.200	1783.58	Outsourced Parks
906	15	200	TNSCB 33rd cross street in Dn.200	835.38	Outsourced Parks
907	15	200	Sri Janani Homes Phase-I Park	940	Outsourced Parks
908	15	200	Jansen Srikrithi, Janani Homes Park	1352	Outsourced Parks









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