



GCMP
GREENING CHANDIGARH
ACTION PLAN - 2023-24



Kansal Forest, Sukhna Wildlife Sanctuary



Message

I am pleased that the Department of Forests & Wildlife, Chandigarh Administration has outlined a number of goals and corresponding actions to increase the city's green cover in its Greening Chandigarh Action Plan 2023–24. This plan includes measures for improvements and further enhancement of our city's greenery.

The Action Plan is expected to promote resource efficient solutions for preventing environmental damage, opportunities for the residents of Chandigarh to contribute with more commitment and dedication in the field of environment and facilitation of skills and knowledge exchange.

I extend warmest greetings and heartiest wishes to the Department of Forests & Wildlife, Chandigarh Administration for the 'Greening Chandigarh Action Plan' and wish them success.

Let us together turn City's Greys to Green.



Banwarilal Purohit

Governor of Punjab and Administrator
Union Territory, Chandigarh



Dharam Pal, IAS

Adviser to the Administrator
Union Territory, Chandigarh

Message

Forests connect health, food security, energy, and climate action. Trees are necessary for our dignity and economic growth. Yet, we need to transform the way we manage our forests, greenery and biodiversity.

The Greening Chandigarh Action Plan 2023-24 outlines a strategy to enable the City Beautiful to adapt to climate change and enhance the ecological sustainability. It stresses that maintenance and growth of green cover is essential for living standards of the citizens and reducing their vulnerability to the impacts of climate change.

I am proud of the fact that Department of Forests & Wildlife, Chandigarh Administration, Greening Agencies and other stakeholders have shown their might to deliver the greener results with the objective of establishing Chandigarh as a leader in urban category. Amrut Van, Van Mahotsav, Wildlife week, Environmental special Days, Ban on Single Use Plastic & various plantation activities done are exemplary works which reduces carbon footprint and also improve living conditions of not only human being but also other living beings in Chandigarh.

Strategic planning is hard, but the actual challenge is execution. Connecting the dots between strategy and action can feel like an impossible task. But I am sure that this year too, the planned and strategic targets fixed in the Greening Chandigarh Action Plan 2023-24 of Department of Forests & Wildlife, Chandigarh Administration will surely contribute to the greenery of the Chandigarh.

My best wishes to all who are contributing to the greenery of the City Beautiful.





Message

The objectives of Greening Chandigarh are to enhance ecosystem services by focussing on ecological balance and environmental stability such as carbon sequestration, storage in biodiversity, forests and other ecosystems in Chandigarh.

The Department of Forests & Wildlife, Chandigarh Administration aims at responding to climate change by a combination of adaptation and mitigation measures, which would help in enhancing the carbon-sinks in sustainably managed forests and other ecosystems and adaptation of vulnerable species/ecosystems to the changing climate. Greening Chandigarh Action Plan 2023-24 is an example of the department's commitment to maintain trees that give us life. Now, it is the responsibility of each one of us to plant trees to make our city greener. So that there is, more oxygen generated and there is more greenery. The engagement of the Department with other line departments, NGOs, RWAs, Eco Clubs, Environmental Societies and Media has played a very important role not only in protection of the forests but also in increasing the green cover of the City Beautiful.

I extend my best wishes to all the contributors of the Greening Chandigarh Action Plan 2023-24 and wish them success in their endeavour.



Nitin Kumar Yadav, IAS

Home Secretary
Union Territory of Chandigarh





Debendra Dalai, IFS

Chief Conservator of Forests and Chief Wildlife Warden
Union Territory of Chandigarh

Message

Pressure on forests is rising. Growing populations, wood-based patterns of growth and pollution are combining in many places, making it risky for the forests & wildlife and their habitat.

The core focus of the Department of Forests & Wildlife, Chandigarh Administration over the last years is to ensure the sustainable management of its forests and greenery. Qualitative improvement of forests and their habitat is focussed towards better living condition for wildlife.

With the objective to communicate across organizations for achieving the environmental targets and to ensure that the commitments outlines are implemented throughout the departments and stakeholders, the Department of Forests & Wildlife, Chandigarh Administration has documented the Greening Chandigarh Action Plan 2023-24.

The department is committed to promote efforts to mobilize and target financial resources, encourage innovation and partnerships, advocate on Implementation by promoting efforts to change how we think about forests and by highlighting examples of policies, institutions, and programmes that could help the city onto a more sustainable pathway.

I extend my best wishes to all the greening agencies for the successful implementation of last year's plan and wish them good luck for achieving the desired results during the current year with slogan "Go Green, Go Clean".





Acknowledgement

With the Greening Chandigarh Action Plan (GCAP) 2023-24, the Forest Department is aiming at reaching to the next height of qualitative as well as quantitative improvement in Green Cover as well as Tree outside Forests (ToF) by adopting many special techniques & modern technology first of its kind in the country.

Encouraged by the matching of achievements with ambitions during the past year, the Greening Chandigarh Task Group (GCTG) has chalked out "Greening Chandigarh Action Plan 2023-24". The plan comprises of plantation targets of all the stakeholders and the strategies to achieve the desired results.

Targeted area and their carrying capacity will be evaluated after scientific analysis, based on requirement and ecological need the planting program will be adopted at optimum time and season.

I am extremely grateful to Sh. Banwarilal Purohit, Hon'ble Governor of Punjab and the Administrator, Chandigarh for the environment he has provided in which GCTG was able to self-actualize in the process of preparing this Plan. I am also profoundly indebted to Sh. Dharam Pal, IAS, Adviser to the Administrator, Chandigarh for his inspiring, generous, friendly and valuable suggestions, inputs and guidance. I shall be eternally grateful to Sh. Nitin Kumar Yadav, IAS, Home Secretary (Forests & Wildlife), Chandigarh for his un-falling support, help and guidance in materializing this crucial plan.

I am highly grateful to Sh. Debendra Dalai, IFS, Chief Conservator of Forests and Chief Wildlife Warden, Department of Forests & Wildlife, Union Territory of Chandigarh for his persistency and continuous guidance.

I am also grateful to Sh. Navraj Singh, XEN, (Horticulture), Engineering Department, Sh. Pritpal Singh, XEN, (Horticulture), Division No. I and Sh. Jangser Singh, XEN, (Horticulture), Division No. II, Municipal Corporation, Chandigarh for providing invaluable contributions for this valuable document. I would like to extend my gratitude to Dr. Navtej Singh, District Extension Specialist, PAU Extension Cell, Chandigarh for the time he has taken out to provide the valuable inputs and support.

I would like to extend my utmost gratitude to my core team members Sh. Devender Singh Chauhan, RFO, Nepli Range and Sh. Praveen Kumar Yadav, RFO, Chandigarh Range, Sh. Suraj Singh and Sh. Navdeep Bisht for their relentless efforts towards the tenacious task of getting this plan prepared.

With valuable suggestions from all, I am sure that this Greening Chandigarh Action Plan 2023-24 would prove to be a guiding document in taking city's greenery to the next level.



Arulrajan P., IFS

Conservator of Forests (In Charge)
Union Territory of Chandigarh



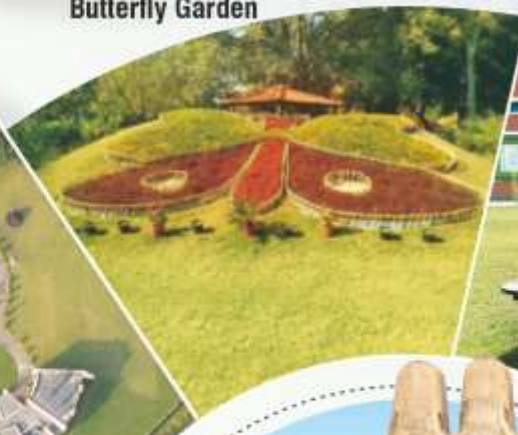


State Bird
Grey Hornbill

Botanical Garden



Butterfly Garden



NIC - Kansal Forest



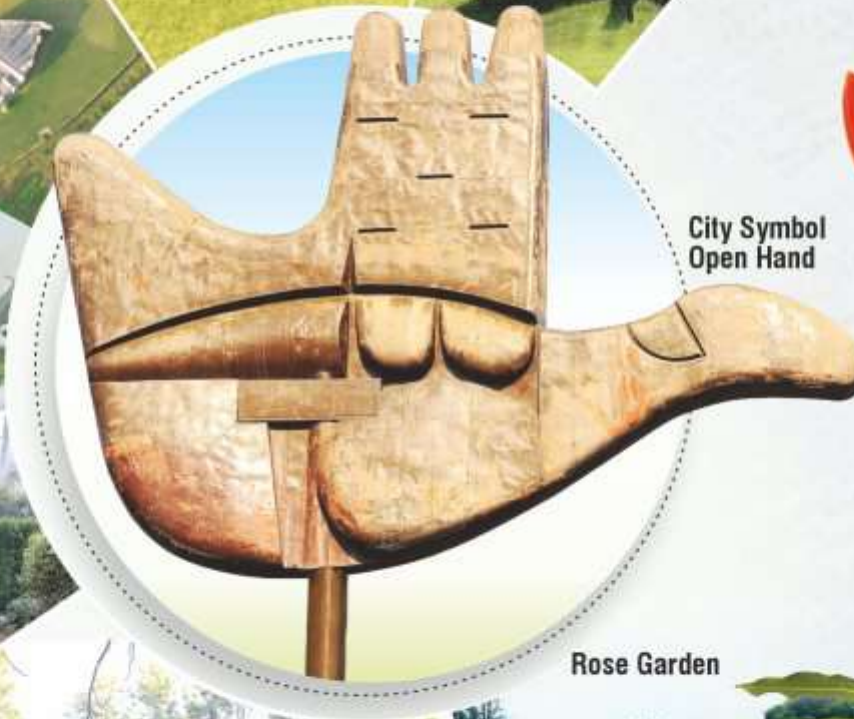
State Flower
Dhak



Sukhna Lake



City Symbol
Open Hand



Landscape

Chandigarh
Bird Park



State Tree
Mango Tree

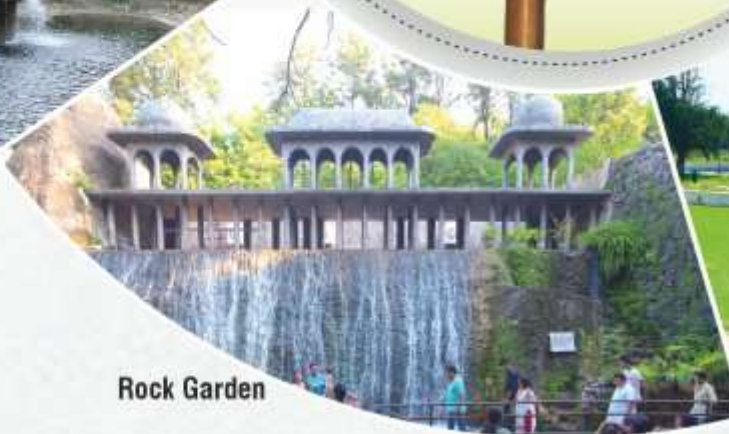
State Animal
Indian Grey Mongoose



Rose Garden



Rock Garden





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Introduction

Chandigarh, the capital of Punjab and Haryana, was created by modern architect Le Corbusier on October 7, 1953. His innovations include the massive Open Hand Monument and the Capitol Complex, which houses the High Court, Secretariat, and Legislative Assembly. Picturesquely located at the foothills of Shivaliks, it is known as one of the best experiments in urban planning and modern architecture in the twentieth century in India. The city is composed of sectors. Each sector is 800 meters x 1200 meters, enclosed by roads allocated to fast mechanized transport and sealed to direct access from the houses.

Geography

Area:	114 sq km*
Coordinates:	30.740 N 76.790 E
Climate:	Humid Subtropical
Seasons:	Autumn, Monsoon, Spring, Summer, Winter
Temperature:	-1° C to 46° C
Average Annual rainfall:	1110.7 mm

Demography

Population:	11,69,000 (Census 2021)
Languages:	Hindi (73.60%), Punjabi (22.03%)

*In addition, 26 km² of Sukhna Wildlife Sanctuary is also managed by the Department of Forests & Wildlife, Union Territory of Chandigarh. Making the total area of U.T. Chandigarh 140 km².



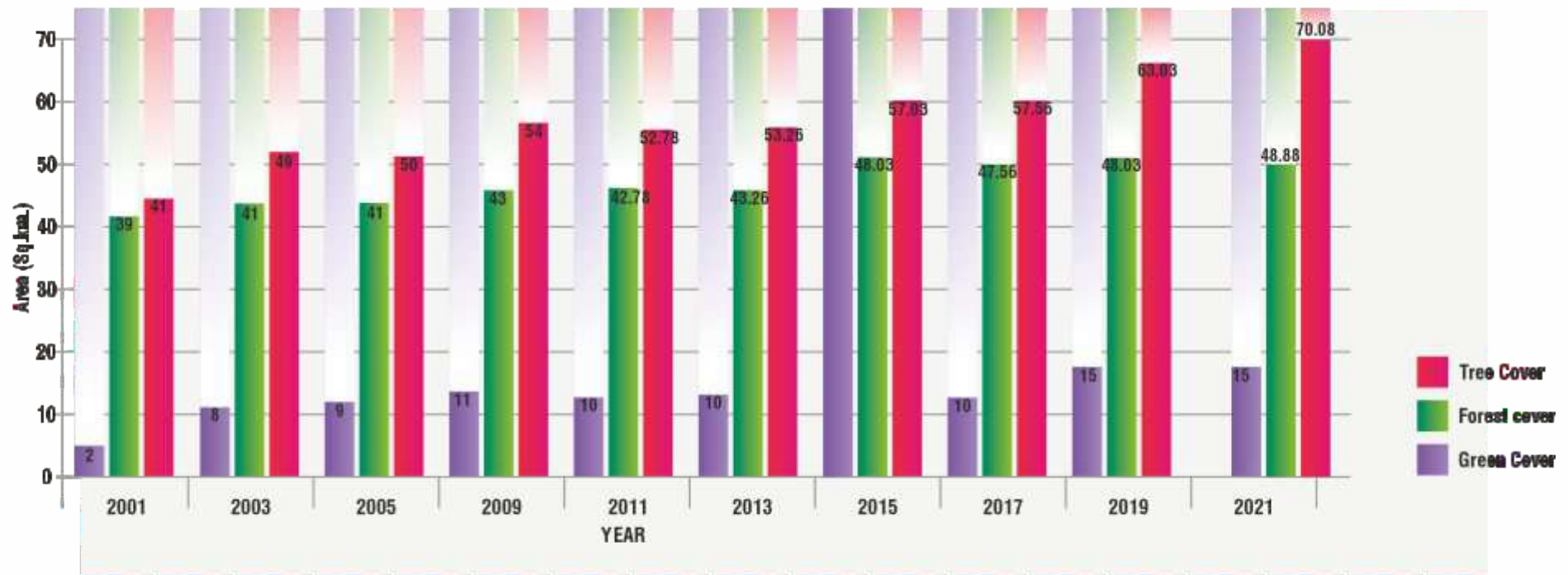


Chandigarh has grown greatly since its initial construction. It has also driven the development of two satellite cities in its neighbouring states. The metropolitan area of Chandigarh, Mohali and Panchkula collectively forms a "tri-city". The city has one of the highest per capita income in the country. The union territory has one of the highest Human Development Indexes among Indian states and territories. In 2015, a survey ranked it as the happiest city in India. In 2015, an article published by BBC named Chandigarh, one of the few master-planned cities in the world, to have succeeded in terms of combining monumental architecture, cultural growth, and modernisation.

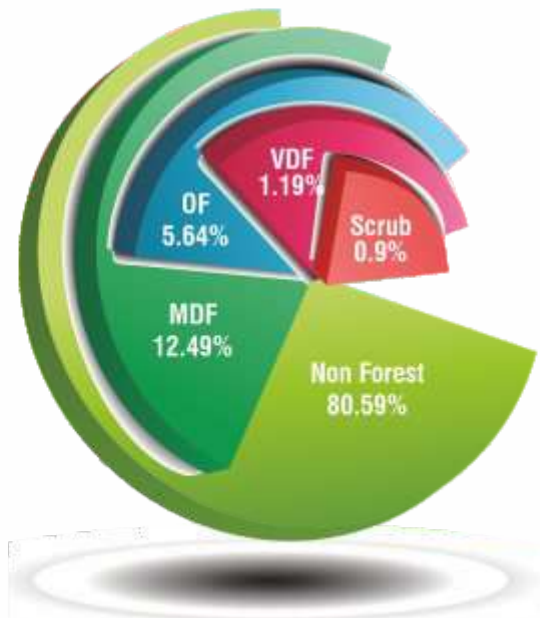
Architect Albert Mayer, the initial planner of Chandigarh developed a superblock-based city interspersed with green spaces, with an emphasis on cellular neighbourhoods and traffic segregation. Mayer stopped his work on the city after his architect-partner Matthew Nowicki died in 1950. Government officials recruited Le Corbusier to succeed them, who utilized many elements of Mayer's plan.

Most of the area of Chandigarh is covered by tree species especially Arjuna, Pilkhan, Gular, Mango, Imli, Amaltas, Banyan, Ashoka, Cassia, Mulberry and Eucalyptus plantations. The city has forests surrounding itself that sustain many animal and plant species. Deer, sambars, barking deer, woodpeckers, and peacocks inhabit the protected forests. Sukhna Lake hosts a variety of water birds and attracts migratory birds from parts of Siberia and Japan in the winter season. The Bird Sanctuary and Bird Park provides a home to a large number of avian poetries.

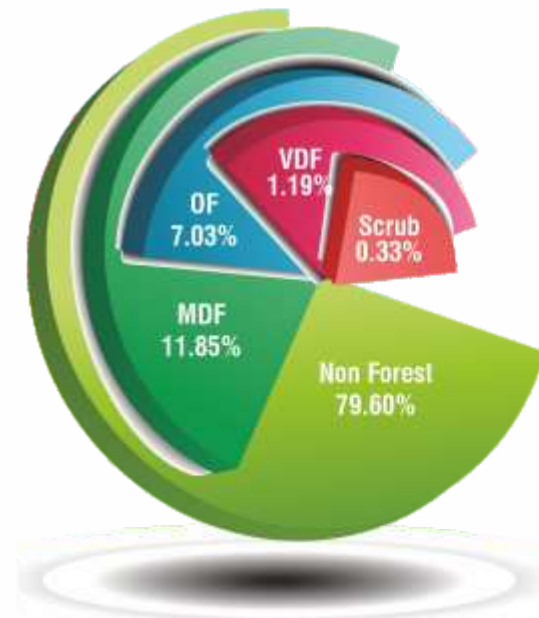
GREEN COVER OF CHANDIGARH, INDIA-STATE OF FOREST REPORT FSI, DEHRADUN



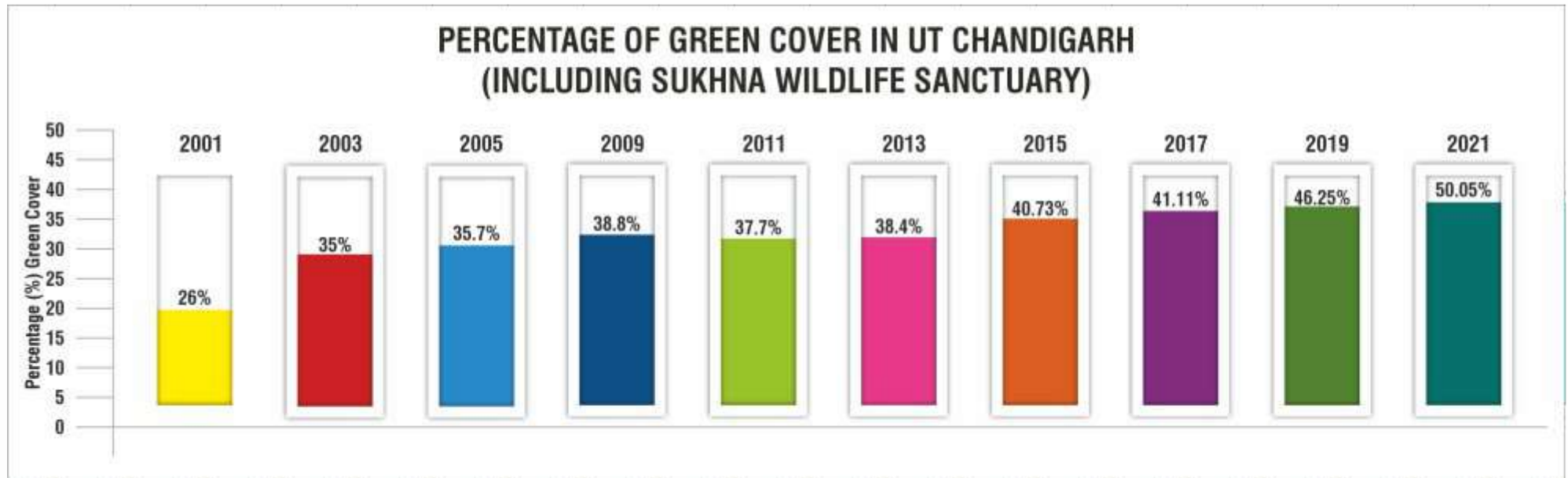
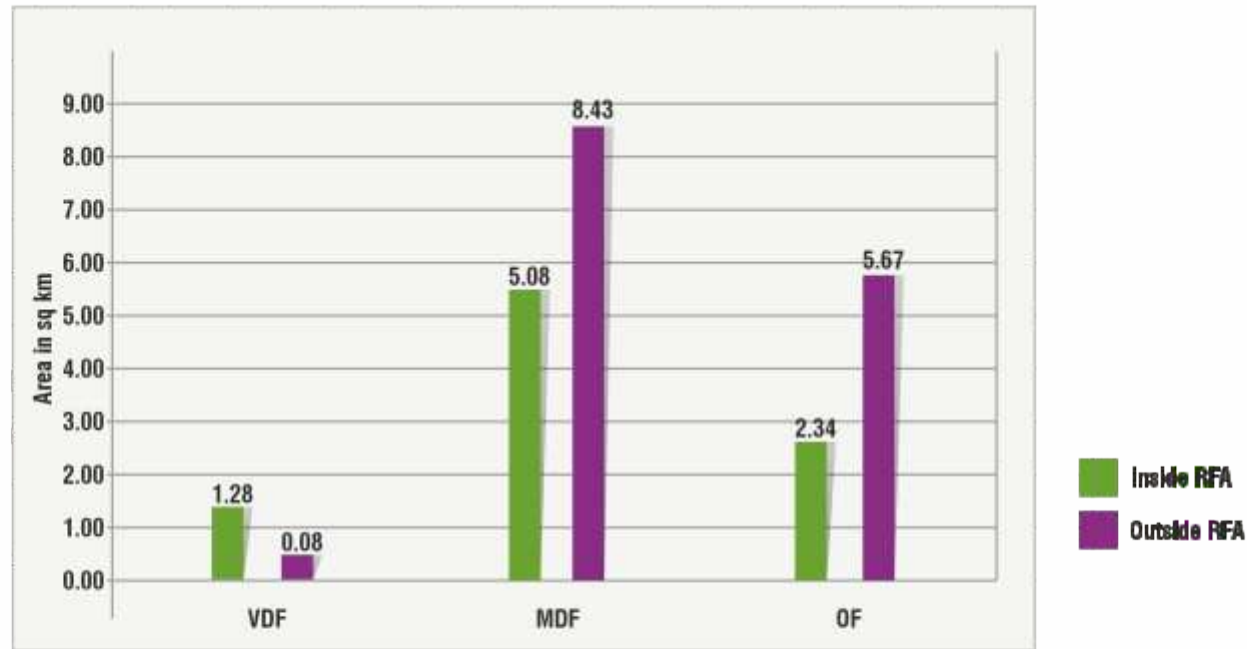
FOREST COVER OF CHANDIGARH IN ISFR 2019



FOREST COVER OF CHANDIGARH IN ISFR 2021



FOREST COVER INSIDE AND OUTSIDE OF RFA IN CHANDIGARH, ISFR 2021



Greening Chandigarh Action Plan 2022-23

National Forest Policy, 1988 envisages that 33% of the geographical area should be under forest/green cover. Though, with relentless efforts and strong determination, Department of Forests & Wildlife, Chandigarh Administration has achieved more than 51% of tree cover. Keeping in mind the vision of Government of India and to enhance the green cover, Department of Forests & Wildlife, Chandigarh Administration launched a number of greening programmes and allied activities under Greening Chandigarh Action Plans 2022-23 that promote people to join in the greening initiatives in their all walks of life. The support of various formal and informal organizations including Government Departments of Chandigarh Administration, schools, colleges, Central & State Govt. organisations made it possible for the department to achieve the targets decided last year and set the new targets for the year 2023-24. With clear vision and strong support by all the stakeholders and general public, Chandigarh will continue to grow greener every passing day making it an epitome of perfect blend of nature and development.



Green Achievements During 2022-23

S.No.	Department/Organization	No. of Saplings planted		No. of stem-cut planting of <i>Arundo donax</i>		No. of patch-sowing (seed sowing)	
		Target	Achievement	Target	Achievement	Target	Achievement
1	Forest Department	75,000	84,730	4,80,000	4,80,050	2,20,000	3,00,000
2	Municipal Corporation	60,000	62,916				
3	Horticulture Division, Engineering	40,000	1,78,340				
A	Free distribution of saplings by Forest Department to Educational Institutions, Religious Institutions, NGO's etc.	80,000	75,056				
B	Selling of saplings by Hort. Wing of Municipal Corporation	10,000	--				
C	Selling of saplings by Engg. Department	15,000	9,062				
Total		2,80,000	4,10,104	4,80,000	4,80,050	2,20,000	3,00,000

Factors that strengthen and support The Greening Chandigarh Strategy



SOIL

The soil in general comprises of clayey silt soils in the top layers followed by sandy silt to silty sands at depths in most of the sectors. In northern parts, the soil is sandy to sandy loam where as it is loamy to silt loam in southern parts. There is widespread distribution of clay, sand, pebbly sand and pebble layers. The Litho Logs of boreholes reveal that there are interlayered sequences of clay and sand in most of the boreholes.

CLIMATE

Chandigarh has a humid subtropical climate characterised by a seasonal rhythm: very hot summers, mild winters and great temperature variation (–1 to 45 °C or 30.2 to 113.0 °F). Cold winds usually tend to come from the Himalayas that lie to the north, which receive snowfall during winters. The summers are short, sweltering, and clear and the winters are short, cool, dry, and mostly clear.



RAINFALL

Monsoon in Chandigarh only makes an onset during the fag end of June, leading to rainfall during July and August. Chandigarh receives abundant rainfall. The annual rainfall in Chandigarh was 838mm (83.8 cm) during the year 2022 and there were 69 wet days during this year. During an year, the rainfall is maximum during the monsoon season which is from July to September. Almost 60% of the annual rainfall is during these three months (July, August and September). The least rainfall occurs mainly during the last quarter of the year i.e. the months of October, November & December. The chances of rain during these three months are very rare and there were just 5 rainy days during these 3 months in the year 2022.



WEATHER

The weather of Chandigarh can be classified as subtropical with hot summer and cold winter except during monsoon season when moist air of oceanic origin reaches the area. There are four seasons in a year. The hot weather season starts from mid March to last week of the June followed by the southwest monsoon, which lasts up to September. The transition period from September to November forms the post-monsoon season. The winter season starts late in November and remains up to first week of March. The summers and winters exhibit extreme temperature interspersed by monsoon.



Soil & Moisture Conservation (SMC Works) **Two pronged strategy was adopted to conserve soil & moisture:**

In order to arrest soil erosion in the catchment area of Sukhna Wetland, various soil conservation measures have been adopted including vegetative measures inside Sukhna Wildlife Sanctuary. The run-off water, thus stored in the hilly catchment does not only arrest the silt, but also by impounding the water in almost 120 water harvesting structure/ silt retention dams, makes water available for wild animals throughout the year, checks flooding in the downstream during monsoon as well as recharges the ground water of the area. The various measures thus taken for soil & moisture conservation are as under.

Vegetative Methods

Arundo donex (Nada Stump Cutting Plantation)

Indigenous Species Plantation

Engineering Methods

Crate Wire Structure (Gabion Structure)

Grade Stabilizer Structure

Dry Stone Check Dam

Silt Detention Structure

Silt Detention Structure

DIVISION & DELEGATION

Biodiversity is essential for the processes that support all life on Earth, including humans. Without a wide range of animals, plants and microorganisms, we cannot have the healthy ecosystems that we rely on to provide us with the air we breathe and the food we eat. The major responsibility of the protection of biodiversity of the city beautiful lies with the Department of Forests & Wildlife, Union Territory of Chandigarh. The Department of Science & Technology, Public Works Department, Chandigarh Industrial & Tourism Development Corpn, Department of Health, Department of Education, Department of Transport, and Department of Social Welfare, Women & Child Development, Chandigarh Engineering Department (Horticulture Wing) are additional departments with a stake in or an impact on the bio-diversity of the City Beautiful. Concretely, the targets are distributed basis a scenario whereby the responsibility of green mission is divided into different stakeholder, each having a different set of goals that include Department of Horticulture, Department of Environment, Municipal Corporation (Horticulture Wing), Academic institutes, NGOs, industry, corporate sector, stakeholders and local bodies.



Reviewing 2022-23

Opening of Nature Interpretation Centre

11th May, 2022

Department of Forests and Wildlife, Chandigarh has set up another Nature Interpretation Centre after one near the Sukhna Lake. Situated in Kansal Forest area at Sukhna Wildlife Sanctuary, the brand new NIC is a visitor-friendly and comprehensive destination for nature lovers and enthusiasts.

Inaugurated by Shri Banwarilal Purohit, Hon'ble Governor of Punjab & the Administrator, UT Chandigarh on 11th May, 2022 in the presence of Smt. Kirron Kher, Hon'ble Member of Parliament, UT Chandigarh and Sh. Dharam Pal, IAS, Adviser to the Administrator, UT Chandigarh., the NIC is for general public after necessary permission from the Forest Department.

The NIC showcases the dynamic biodiversity of Chandigarh Forests and variety of flora that supports its rich wildlife. It is a genuine endeavour to give its visitors an enriching experience and kindle the affection and concern towards Mother Nature and environment at large. A complete visual treat, NIC depicts catchment of Sukhna, Information on biodiversity of Sukhna Wildlife Sanctuary and much more along with the interactive activities for kids. NIC is an ideal place for a getaway enriched with fun and knowledge.



Visit of Trainees

31st May 2022

Department of Forests and Wildlife hosted an educational tour for IFS Probationer Trainees. In this tour, the trainees were made aware about the various aspects of the forest and the wildlife as well as the challenges faced by the urban set ups and kind of solutions executed by the department.



World Environment Day 2022

5th June 2022

The World Environment Day is celebrated on 5th June every year to create awareness about Environment and to sensitize people towards their duty to preserve and conserve the environment and the mother Earth. Every year, a theme is declared by UNEP to draw the attention to specific environmental problem. The theme of Year 2022 was very appropriately selected as “ONLY ONE EARTH”. Since life is believed to be existing only on Earth, we need to be careful while exploiting any natural resources for our survival.

On the eve of World Environment Day 2022, a tree plantation drive was conducted carried out. In this drive, various saplings were planted at the Butterfly Park. Shri Dharam Pal, IAS, Advisor to the Administrator, UT Chandigarh stated that all the citizens should join hands together to protect the mother Earth. Shri Nitin Kumar Yadav, IAS, Home Secretary-cum-Secretary (Forests) said urged that everyone should realise the importance of nature in their day to day living.

Along with the plantation drive, more than 150 schools and 14 colleges with highly active Eco clubs were felicitated on the occasion of World Environment Day.



Van Mahotsav 2022

The word “Van Mahotsav” refers to “tree-plantation ceremony”, which is an annual Tree-planting festival which is celebrated every year, in the month of July, to inculcate among the general public the need for growing trees and nurturing them. Incepted in 1947, it was first organized by Punjabi botanist MS Randhawa from 20 to 27 July later to be adopted by Delhi Police Commissioner Khurshid Ahmad Khan who created the first event of Van Mahotsav on 20 July 1947. The plantation festival got recognition as a National Activity and identity as Van Mahotsav in 1950.



Inauguration of Amrut Van at Colony No.4, Industrial Area - I

13th July, 2022

The Forests & Wildlife Department, UT Chandigarh celebrated Van Mahotsav with the launch of MAGIC (Mega Afforestation & Greening Initiative in Chandigarh) Mela this year. The initiative of MAGIC Mela proposes the plantation of 75,000 number of saplings within city area under Amrut Mahotsav celebration, which commemorated 75 years of India's Independence.

Shri Banwarilal Purohit, Hon'ble Governor of Punjab & the Administrator, UT Chandigarh honoured the inauguration with his benign presence as the Chief Guest. Sh. Debendra Dalai, CCF informed that the department has planned to plant 75 different tree species of medicinal value of 75 numbers each and this Amrut Van has been designed in such a way that it will bloom all throughout the year as per flowering season of the particular plant.

The vehicles of free distribution of saplings titled “forest department at your doorstep” were flagged off by the Hon'ble Administrator. Hundreds of School children participated in the plantation programme.

The occasion also witnessed the release of ‘Greening Chandigarh Action Plan 2022-23’ and a booklet on ‘AMRUT VAN, Chandigarh’ done by the Hon'ble Administrator.





Plantation Series by Dignitaries

July, 2022

Under the series of Tree Plantation Celebrations, Home Secretary (Forests) Sh. Nitin Kumar Yadav did the honors of planting Tree in Sukhna Wildlife Sanctuary. His presence and contribution in 'Mega Afforestation & Greening Initiative in Chandigarh' Mela is much appreciated.

Sukhna Wildlife Sanctuary is a reserved forest area which is home to large variety of flora and fauna. This forest is not only one of the most sustainable features of the city, but it also inspires coming generation to make best of efforts in order to retain the natural essence of city beautiful.

Followed by him, a number of dignitaries and Students also joined in the plantation drive and contributed in the greenery of the City Beautiful.



Plantation by Sh. Sunil Bhanwar,
Second-in-Commandant, 51 Batalion, CRPF



Plantation by Smt. Sarabjit Kaur, Mayor in Botanical Garden, Sarangpur



Plantation drive by Sh. Praveer Ranjan, IPS, Director General of Police, UT Chandigarh at Police Complex, Dhanas







Plantation by Dr. Vijay Namdeorao Zade, IAS, Finance Secretary, UT Chandigarh at Lake Forest


In order to commemorate the occasion of 'Azadi Ka Amrut Mahotsav', the Forest and Wildlife Department, Chandigarh UT launched MAGIC (Mega Afforestation & Greening Initiative in Chandigarh) Mela in which 75000 saplings were planted in the city. Under this scheme, an innovative concept of 'Amrut Van' was born. Amrut Van is a forest ecosystem in the degraded forest area where seventy-five different species of locally available tree species, known for their greater traditional and cultural values in terms of medicinal, aesthetic, phenological, physiological and genetic characteristics are planted & grown. Some of them species are Amla, Ashoka, Bael, Harad, Baheda, Rudraksh, Amaltas, Kachnar, Neem etc. are planted.




AMRUT VAN





75 MEDICINAL TREE SPECIES
75 PLANTS OF EACH SPECIES





Plantation by Sh. Dharam Pal, IAS, Adviser to the Administrator, UT Chandigarh, Patiala-ki-Rao Forest area



28th July, 2022

In this series, the Forest Department, UT Chandigarh organized a Plantation Programme at Patiala-ki-Rao Forest area. Sh. Dharam Pal, IAS, Adviser to the Administrator, UT Chandigarh graced the occasion as Chief Guest and planted 'Triveni' sapling i.e. Banyan, Peepal and Neem together. The department has planted 1500 saplings of 18 different species using a new crescent pit planting technique.

Speaking on the occasion, Sh. Dharam Pal, IAS, Adviser informed that all the partners in the current "Mega Afforestation & Greening Initiative in Chandigarh (MAGIC) Mela – 2022" should make sure that the entire plantation is done in time and proper care of the plants be taken thereafter. He applauded the effort of the department in the endeavour.

Speaking on the occasion, Sh. Nitin Kumar Yadav, IAS, Secretary Forests, UT Chandigarh informed that department is making constant and sincere efforts in enhancing the green cover of the city.

Sh. Debendra Dalai, IFS, Chief Conservator of Forests, UT Chandigarh said that new planting technique adopted on a Pilot basis shall help not only for good growth of plant but also shall help in increasing the moisture regime of the area. The function was attended by the Central Reserve Police Force (CRPF) and department officers/officials and frontline staff of Forest Department, UT Chandigarh.



Plantation Programme by other Stakeholders



Plantation drive at park, Sector 38 West (Dadumajra), Chandigarh in the presence of Smt. Anindita Mitra, Commissioner, M.C., Chandigarh alongwith area Councillor Sh. Kuldeep and Sh. Krishan Pal Singh, Superintending Engineer (H&E) and other members of Resident Welfare Association



Plantation drive at park, Sector 42, Chandigarh in the presence of Smt. Anindita Mitra, Commissioner, M.C., Chandigarh alongwith area Councillor Sh. Jasbir Singh Bunty.



Plantation by Sh. Manaur Area Councillor M.C. Chandigarh in the park, Sector- 56, Chandigarh in the presence of M.C. Officials & Local Residents.



Plantation drive at park Sector 22, Chandigarh in the presence of Smt. Anindita Mitra, Commissioner, M.C., Chandigarh alongwith area Councillor Sh. Damanpreet Singh and Sh. Krishan Pal Singh, Superintending Engineer (H&E) and other members of Resident Welfare Association.



Plantation drive at park Sector 18, Chandigarh in the presence of Smt. Anindita Mitra, Commissioner, M.C., Chandigarh alongwith Sh. Anup Gupta, Mayor, M.C., Chandigarh and Sh. N.P. Sharma, Chief Engineer and other members of Resident Welfare Association.



Plantation drive at Integrated Command & Control Centre Sector 17, Chandigarh in the presence of Smt. Anindita Mitra, Commissioner, M.C., Chandigarh alongwith Councillors Sh. Kuljeet Singh, Smt. Jaswinder Kaur, Smt. Prem Lata and Smt. Anju Katyal.

Plantation by Sh. Hardeep Singh Area Councillor M.C. Chandigarh in the park, Sector- 41, Chandigarh in the presence of M.C. Officials & Local Residents.



Palumeria Tree planted by Worthy Mayor Sh. Anup Gupta in Committee Centre Indira Colony Manimajra, Chandigarh



Plantation by Smt. Poonam Area Councillor M.C. Chandigarh on road berm Sector- 25, Chandigarh in the presence of Local Residents.



Eco Club students' visit to Sukhna Wildlife Sanctuary



Plantation by CRPF 51 Bn., Hallomajra



Tree planted by Area Councillor Smt Prem Lata in park of Sec 35, Chandigarh

Walk for Wildlife

2nd October, 2022



Wildlife week is observed during the first week of October all over the country, with the objective of raising awareness among masses for conservation of Wildlife and its habitat. The Department of Forests & Wildlife, Chandigarh is organizing various programmes during the week to sensitize and generate awareness among the masses for the Protection and Conservation of Wildlife, Nature and Natural resources.

In this series, a "Walk for Wildlife Trekking" was organized by the department which was flagged off by Sh. Dharam Pal, IAS, Adviser to the Administrator, UT Chandigarh in the presence of Sh. Debendra Dalai, IFS, Chief Conservator of Forests, Sh. Arulrajan P., IFS, DCF(BG&NR), Dr. Abdul Qayum, IFS, DCF(HQ/WL), UT Chandigarh and staff of Forest Deptt, UT Chandigarh. The walk started from Nepli and culminated at Kansal Log Hut. Approximately 9 Km, the Wildlife Trek passes through three Hillocks reaching a maximum height of 1500 feet. More than 1000 people participated in the Trek which included School Children and general public.



Birds Exhibition

2nd Oct 2022

On the occasion of Wildlife Week, an exhibition of photographs was organised at the Sukhna Lake. Clicked by Tricity's nature lovers & Bird watchers and collated by the department, the photography exhibition showcased the avi-fauna of the region. This includes a range of avian beauties from urban birds to water birds to rarely seen forest birds. The endeavour behind the exhibition is to sensitize general public about the avian biodiversity of the city. Every year, the exhibition welcomes everyone and is open for all.





Eco Circuit Tour

3rd, 9th & 10th October, 2022

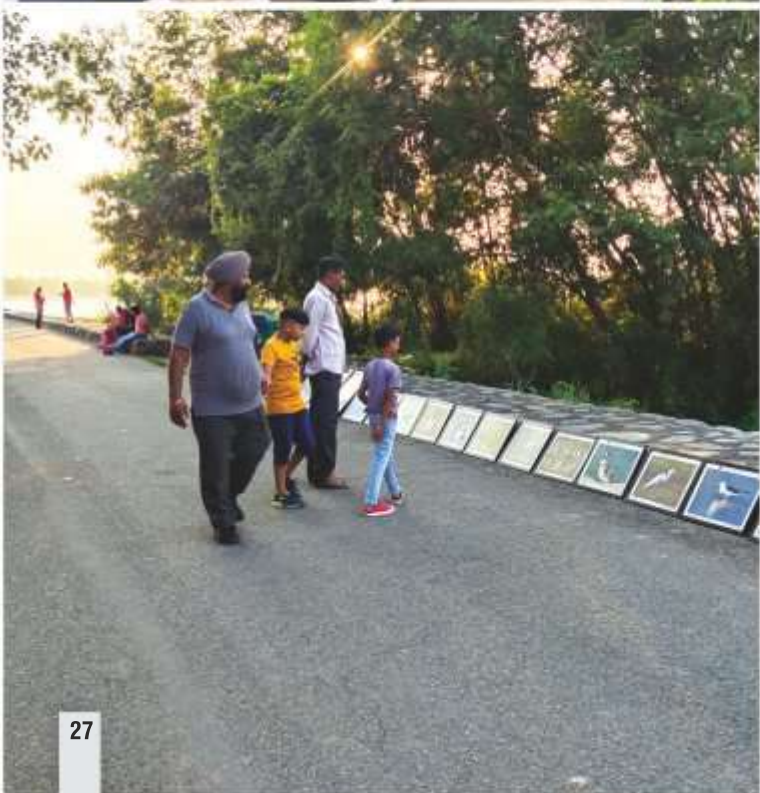
During the Wildlife Week celebration, an 'Eco Circuit Tour' for different forests was also planned. The tour started from Paryavaran Bhawan, Sector-19, Chandigarh and gave a free tour to the general public to the important natural sites of the city which included Butterfly Park, Peacock Park, Sukhna Wildlife Sanctuary, Botanical Garden and Bird Park. The objective of the tour was to sensitize people about the importance of these sites and species that these places host. The tour helped in educating people about coexistence of human and wildlife.



Butterfly Exhibition

3rd October, 2022

In the series of Wildlife Week celebrations, an exhibition of photographs was organised at the Sukhna Lake. The photographs showcased different species of butterflies which are found in the region. Open for all, the exhibition was held with the objective of raising awareness about this little read insect which people like to see for their beauty but know not much about its importance and influence on the ecology.



Lecture Series

4th October, 2022

The day was dedicated to educating the school children of the city about the natural characteristics of Chandigarh region. Sh Debendra Dalai, IFS, CCF, Sh. Arulrajan P., IFS, DCF(BG&NR) and Dr. Abdul Qayum, IFS, DCF (HQ/WL), Sh Praveen Yadav, RFO and Sh Debendra Singh Chauhan RFO visited 8 schools and disseminated knowledge about topics like Sukhna Wildlife Sanctuary, Biodiversity of the region, Challenges and Solutions, human intervention and many more. These lectured were empowered with interesting and easy to understand Audio-video films that made it easy for students to understand the concepts. Apart from these schools, many more schools also enjoyed special screening of these educative Audio-video films.





Wildlife Rescue Workshop

4th October, 2022

A one-day workshop was organized by the department at the Nepli Forest where general public of the nearby villages was sensitized about the rescue of wild animals. Being near to the sanctuary area, near-by villages are prone to experience more wildlife encounters as compared to urban settlers. Thus, the workshop on sensitizing them to tackle and rescue wildlife is an important step towards conservation of wildlife. The officers, field staff and trainers from the forest department made demonstrations such as rescuing snakes and other small animals.



Release of Butterfly Park Management Plan of Chandigarh

6th October, 2022

Chandigarh Butterfly Park is an important asset of the region's ecology and a great deal of pride for the department. Spread over an area of 7 acres with beautiful landscaping, the park is well maintained home to 128 species of butterflies such as Angled Castor, Ape fly, Blue Mormon, Common Grass Yellow, etc. Special care has been taken to create a good habitat for butterflies by planting vegetation with a variety of nectar plants, trees and shrubs that serve and host these butterflies and help them to lay eggs.

Management Plan of the Park is an elaborative document that explains the various aspects of the area, creates the bench marking and sets out the procedures on scientific management of the area.

Management Plan of Chandigarh Butterfly Park was released by Sh. Nitin Kumar Yadav, IAS, HS-cum-Secretary Forests, UT Chandigarh in the presence of Sh Debendra Dalai, IFS, CCF, Sh. Arulrajan P., IFS, DCF(BG&NR) and Dr. Abdul Qayum, IFS, DCF (HQ/WL) and the staff. The Management Plan plays an important role in improving the conservation practices for butterflies as well as aid in creating awareness among the general public for the cause.



Workshop on Wildlife Conservation

7th October, 2022

The department organised a workshop on Wildlife Conservation at the Botanical Garden, Sarangpur. The one-day workshop was held to educate the teachers of Chandigarh on Wildlife Conservation. As the threats on the planet earth have been increasing manifolds with the passage of time, it has become inevitable that the young generation grasp the gravity of the situation. To educate them, there can be no better person than the teacher itself. Thus, the department shared updated knowledge with alarming facts and figures on the need of conservation as well as the plan of action to execute it. The teachers not only understood the concern of the department but also were more than ready to disseminate this knowledge with their students. The teachers were given interactive session through audio-visuals and presentations by Sh Debendra Dalai, IFS, CCF, Sh. Arulrajan P., IFS, DCF(BG&NR) and Dr. Abdul Qayum, IFS, DCF (HQ/WL), Sh Praveen Yadav, RFO and Sh Devender Singh Chauhan, RFO.



Launch of Portal on Sukhna Wildlife Sanctuary

10th October, 2022

On the occasion of Wildlife Week, the department launched a portal on Sukhna Wildlife Sanctuary in the headquarters, Paryavaran Bhawan. The portal is a window that opens into the sanctuary itself. It is a knowledge bank on the wildlife of the sanctuary and various steps that are being undertaken in the sanctuary to conserve wildlife. Lively looking and kids-friendly, the portal covers a wide range of topics on flora-fauna, activities, nature trails, plans and many more that interest students, academicians, tourists etc.





On-the-Spot Painting Competition

10th October, 2022

Students of various schools of Chandigarh participated in the Painting Competition. The theme of the competition was 'Wildlife' and students of senior classes submitted their entries. Held at Bird Park, the competition intended on paint the importance of Wildlife and Nature on the hearts and minds of the students who would appreciate the biodiversity and help save the planet.



Valediction of Wildlife Week 2022

17th October, 2022

The wildlife week was concluded by awarding the participating students with prizes and certificates who submitted their entries in the painting competition. A special session with the winners was organized at the Paryavaran Bhawan where they were felicitated by Sh Debendra Dalai, IFS, CCF, Sh. Arulrajan P., IFS, DCF BG & NR) and Dr. Abdul Qayum, IFS, DCF (HQ/WL). The team members from the department were also acknowledged for their continuous efforts and relentless support that play the role of arms and eyes for the department.





1st Anniversary of Chandigarh Bird Park

15th Nov 2022

The Department of Forest and Wildlife, Chandigarh Administration celebrated the 1st anniversary of Chandigarh Bird Park at Bird Park. Sh. Dharam Pal, IAS, Adviser to the Administrator, UT Chandigarh- Chief Guest of the function announced One-day Free Entry for all visitors to Chandigarh Bird Park on this occasion to facilitate more people to visit the Park and appreciate the beauty of nature.

On this occasion, Sh. Dharam Pal, IAS inaugurated newly established Ticket Counter at the entry gate along with Mrs. Anita Dharam Pal and Officers of the Administration. He also planted saplings and distributed the prizes to school children participating in Drawing/ Poster Competition on the Theme – 'My Chandigarh – My Bird Park'.

Along with this, a detailed Management Guide for day-to-day management of the Bird Park and Coffee Table Book highlighting the different phases of development of the park was also released. He also released 15 new born Budgerigar the Budgerigar Aviary.

Sh. Debendra Dalai, IFS, Chief Conservator of Forests, UT Chandigarh informed that more than 4.5 lakhs visitors have visited the Park during last one year which speaks volume of the popularity of the park across all stakeholders.



Republic Day Celebration

26th January, 2023

Following its tradition, the department participated in the Republic Day parade held in Parade Ground, Sector 17. A tableau was created which showcased nature and flora and fauna of Chandigarh region.

On this occasion, Mr. Balwinder Singh was awarded by Shri. Dharam Pal, IAS, Adviser to the Administrator, UT Chandigarh for leading the execution and hard work on the ground done by his team towards the department's task of establishing 'AMRUT- VAN' at Colony No. 4, in line with the celebration of 'Azadi Ka Amrut Mahotsava'.



Wetland Day

2nd February, 2023

Chandigarh Forest Department Celebrated World Wetlands Day-2023 (WWD) to raise awareness about wetlands. This day also marks the anniversary of the Convention on Wetlands, which was adopted as an international treaty in 1971, in the Iranian city of Ramsar. The theme for WWD 2023 is "Wetlands Restoration". This year's theme was highlighting the urgent need to prioritize wetland restoration.

In this occasion, Chandigarh Forest Department celebrated the World Wetlands Day- 2023 in 8 Government Schools in the fringes of Sukhna, Dhanas Lakes and catchment area of Sukhna lake by organising painting competition, Essay and talks in the schools. In which total 285 students of 8 Government Schools participated in the competition.

On this occasion, Chief Conservator of Forests- cum- Chief Wildlife Warden, Chandigarh Administration Sh. Debendra Dalai, IFS, emphasized about the threats & importance of Wetlands and need for protection and conservation of this valuable ecosystem. To mitigate the threats to Wetlands, Forest Department Chandigarh spreading awareness by initiating educational programs about the importance of Wetlands in Schools, colleges and among the general public.



Govt. Middle School, Kishangarh



Govt. Model Senior School, Khuda Ali Sher



Govt. Model Senior Sec School, Kaimbwala



Govt. Senior School, Saketri



Govt. Senior Secondary School, Khuda Lahora

Awarding of Commendation Award on Independence Day-2022



15th August, 2022

On the occasion of Independence Day, Shri Rohit Kumar Saini, Forester of Forest Department was awarded with Commendation Award for his commendable work in the Department of Forests & Wildlife, UT Chandigarh.

World Wildlife Day

3rd March, 2023

World Wildlife Day is commemorated to realize and uphold the need of ecological coexistence. The theme of this year is 'Partnerships for Wildlife Conservation'. The

Department celebrated World Wildlife Day at Botanical Garden, Sarangpur and brought together all the stakeholders/partners of the environment who have an evitable role in ecological balance. More than 100 people participated and expressed their views on action of ecological balance and taken pledge to support the administration especially the Forest & Wildlife Department for their constant work to protect the nature.



Sh. Debendra Dalai, IFS, Chief Conservator of Forests, UT Chandigarh, said that the department has taken keen interest in improving the co-ordination and co-operation of conservation of wildlife and safety of wildlife. Habitat management, habit preservation, ensuring quality life form at their habitat and safety from external life threat are some of the major activities taken up and followed for years. The result is visible in terms of green cover increase due to ecological balance, quality ground water and surface water availability without any kind of contamination and richness of biological diversity in the territory.



Public Convenience Block inauguration at Chandigarh Bird Park

16th March 2023

Chandigarh Bird Park has proven to be a huge success since its inception. It has seen thousands to visitors on regular basis. People from Chandigarh as well as nearby towns and cities have been flocking to see the only bird park in this region. Considering this big number daily visitors, the department inaugurated a dedicated toilet block for their convenience. This block is placed in the premises of Bird Park itself as a single visit takes around 90 minutes and a public convenience nearby is an important amenity. It is open for the visitors and is being maintained by the department to give comfortable experience to the users.



Greening Chandigarh Action Plan 2023-24

Greening Chandigarh Action Plan 2023-24 consists of planting over 2,65,000 saplings across City Beautiful this year. Out of these, around 75,000 saplings will be distributed free of cost, besides selling of 10,000 saplings by Engineering Department. A roadmap has been prepared for the quality of plantation, soil moisture conservation and outreach and education among people in regards to protection of environment & its sustainability for future generations. The government shall also pursue urban farming to add to city's green cover. Steps shall be taken to reclaim and rebuild what we have already lost in our mindless pursuit of lopsided consumption and development. The plan summarizes the initiatives and measures for its implementation.

DETAILS OF PLANTATION TARGETS FOR THE YEAR 2023-24

S. No.	Department/Organization	Saplings to be planted (in Nos.)	
1	Forest Department, Chandigarh	Plantation	75,000
		(Free Distribution of Saplings)	75,000
2	Horticulture Division, Municipal Corporation, Chandigarh Administration	Plantation	65,000
3	Horticulture Division, Engineering Department, Chandigarh Administration (Plantation)	Plantation	40,000
		Selling of Saplings	10,000
Grand Total		2,65,000	

Note

No individual or group can do any plantation on the government land without prior permission by the Government Agencies i.e. Forest Department, Municipal Corporation (Horticulture) and Executive Engineer (Horticulture), UT, Chandigarh.

75,000

Free distribution of seedlings of Mango, Neem, Jamun, Arjun, Kusum, Peepal, Kachnar, Amaltas, etc and medicinal & herbal plants from the government nurseries by Forest Department to Educational Institutes, NGOs, RWAs, local residents/farmers, religious institutes and other organizations.

10,000

Fruits and Ornamental trees depending on the season shall be sold on subsidised rates by the Horticulture Wing of the Engineering Department

HIGHLIGHTS OF 'GREENING CHANDIGARH ACTION PLAN 2023-24'



1. Department of Forests & Wildlife Preservation, Union Territory of Chandigarh plans to focus on grandmotherly wisdom—reduce, reuse, recycle. The obvious beneficiaries would be landfills and a reduction in the greenhouse gases that these emit.
2. The Sukhna Wildlife Sanctuary, Reserved Forests, Roadsides and Central Verges, Parks, Green Belts, Community Land, Government Offices, Residential Complexes, Markets, and Other Available Spaces are some of the locations where 2,65,000 saplings will be planted in phases throughout the monsoon season.
3. Department of Forests & Wildlife Preservation, Union Territory of Chandigarh shall take steps for improved reliability, interconnectivity, accessibility, safety and information delivery of public transport services and access to non-motorised transport and infrastructure.
4. Plantation of Fruit bearing species in Sukhna Wildlife Sanctuary, Reserved Forest Areas and City Forest Area.

5. Steps for the addition of bicycle paths to allow one to cycle along the entire length of the city, thereby reducing the load on the road; as well as public transport.
6. Steps to promote urban farming as a mean of increasing green cover
7. Plantation drives on public and private properties in schools, colleges, residential colonies, villages, hospitals, and other locations as part of the celebration of "Van Mahotsava" in the months of July and August 2023.
8. Modernization of nurseries
9. Plantation of resilient, shade-giving, long-lived species in areas recognised to have higher levels of pollution, notably along the roadsides.
10. Quantitative and qualitative improvement of the Forest in the City Beautiful
11. Creation of herbal gardens at educational institutions like schools and colleges.
12. Development of Eco Park and a State-of-the-art Nature Interpretation Centre at Botanical Garden.



DEPARTMENT OF FORESTS & WILDLIFE CHANDIGARH ADMINISTRATION

DETAILS OF PLANTATION TARGETS FOR THE YEAR 2023-24

S. No.	(Chandigarh Range)	Target (No. of Sapling)		Species to be Planted
		Trees	Shrubs	
1.	Sukhna Wildlife Sanctuary i.e. Barotiwala Block and Kansal Block	17025	6500	<p>Trees: Peepal (<i>Ficus religiosa</i>), Papri (<i>Pongamia pinnata</i>), Kikar (<i>Acacia nelotica</i>), Kachnar (<i>Bauhinia variegata</i>), Jamoa (<i>Eugenia cuspidate</i>), Khair (<i>Acacia catechu</i>), Gullar (<i>Ficus glomerata</i>), Imli (<i>Tamarindus indica</i>), Dhaak (<i>Butea monosperma</i>), , Mango (<i>Mangifera indica</i>), Jamun (<i>Syzygium cumini</i>), , Amrood (<i>Psidium guajava</i>), Amaltash (<i>Cassia fistula</i>), Sohanjana (<i>Moringa oliefera</i>), Bur (<i>Ficus benghalensis</i>), Pilkhan (<i>Ficus infectoria</i>), , Silver oak (<i>Grevilia robusta</i>), Jungle jalebi (<i>Pithecellobium dulce</i>)etc.</p> <p>Shrubs: Tecomma (<i>Tecoma stans</i>), Lagerstroemia indica, Chandni (<i>Tabernaemontana divaricate</i>), Harshingar (<i>Nyctanthes arbor-tristis</i>), Nargundi (<i>Vitex negundo</i>), Basuta (<i>Justicia adhatoda</i>), Lemon grass (<i>Cymbopogon</i>), Cassia glauca, Hibiscus (<i>Hibiscus rosa-sinensis</i>), Hamelia (<i>Hamelia patens</i>), Shatavar, Bougainvillea (<i>Bougainvillea glabra</i>) etc.</p>
2.	Lake Forest	4300	5000	
3.	Patiala-ki-Rao Forests	4250	2000	
4.	Southern Sector	1500	2000	
5.	Botanical Garden	500	1000	
	Total	27,575 Nos.	16,500 Nos.	

S. No.	(Nepli Range)	Target (No. of Sapling)		Major Species to be Planted
		Trees	Shrubs	
1.	Piplanwali & Ambika Beats	3400	1000	<p>Trees: Kikar (<i>Acacia nelotica</i>), Sohanjana (<i>Moringa oliefera</i>), Khair (<i>Acacia catechu</i>), Jungle jalebi (<i>Pithecellobium dulce</i>), Dhaak (<i>Butea monosperma</i>), Papri (<i>Pongamia pinnata</i>), Mango (<i>Mangifera indica</i>), Jamun (<i>Syzygium cumini</i>), Jamoa (<i>Eugenia cuspidate</i>), Imli (<i>Tamarindus indica</i>), Amrood (<i>Psidium guajava</i>), Amaltash (<i>Cassia fistula</i>), Bur (<i>Ficus benghalensis</i>), Peepal (<i>Ficus religiosa</i>), Pilkhan (<i>Ficus infectoria</i>), Gullar (<i>Ficus glomerata</i>), Kachnar (<i>Bauhinia variegata</i>), Silver oak (<i>Grevilia robusta</i>) etc.</p> <p>Shrubs: Bougainvillea (<i>Bougainvillea glabra</i>), Tecomma (<i>Tecoma stans</i>), Lagerstroemia indica, Basuta (<i>Justicia adhatoda</i>), Nargundi (<i>Vitex negundo</i>), Shatavar, Lemon grass (<i>Cymbopogon</i>), Cassia glauca, Hibiscus (<i>Hibiscus rosa-sinensis</i>), Chandni (<i>Tabernaemontana divaricate</i>), Hamelia (<i>Hamelia patens</i>) Harshingar (<i>Nyctanthes arbor-tristis</i>) etc.</p>
2.	Tootanwali Beat	3000	1000	
3.	Lower & Upper Nepli Beats	4000	2000	
4.	Lower & Upper Ghareri Beats	4000	2000	
5.	Manimajra Beat	6750	2000	
6.	Hallomajra Beat	4250	2000	
	Total	25,400 Nos.	10,000 Nos.	

**ENGINEERING DEPARTMENT (HORTICULTURE WING) CHANDIGARH ADMINISTRATION
DETAIL OF PLANTATION TARGETS FOR THE YEAR 2023-24**

A.L.O. 1 S. No.	Name of Road	Name of Plants		Number of Gaps		Total
		Trees	Shrubs	Trees	Shrubs	
1.	Vikas Marg/Outer Dakshin Marg S/39 to 47 & S/48 to 56	Chakrassia	Bougainvillea	150	1500	1650
2.	Purv Marg S/48. U.T. Boundary to Transport Light Point S/26	Chakrassia/	Bougainvillea/Kaner	100	5000	5100
3.	Route No. 2 Hallomajra to UT Boundary Panchkula	Kusum	Variegated chandini	150	2000	2150
4.	National Highway-21 from Tribune Chowk to UT Boundary, Zirakpur	Arjun	Bougainvillea	100	1000	1100
5.	Dakshin Marg from Light Point Dainik Bhaskar S/25 to 31 and 31 to 38	----	Bougainvillea	—	5000	5000
6.	GMCH S/32 & Residential Area of GMCH Flats S/32 & 48	----	Chandni, variegated, Hamelia Patens, cassia Gulaca, Lagistromia indica	—	200	200
7.	Parks and Green Belts at Small Flats Maloya-I, UT Chd.	Kajilia/ Puternjiva	Chandini Kusum	500	1000	1500
8.	M/o Palm Garden, Sec. 42, Chd.	Ashoka	Nolina Palm	150	250	400
9.	M/o Garden of Spring, Sec. 53, Chd.	—	Chandni, Kaner, Hamelia, Tecoma, Hibiscus	--	500	500
10.	M/o Garden of Conifers, Sec. 52, Chd.	Casurina, AshokPandula, Bottle Brush	Tecoma gradiflora, White Kachnari	200	200	400
11.	Leisure Valley, Sec. 51, Chd.	Chakrassia /Dake	Chandini, Tecoma, hibiscus, Calinndra	30	500	530
	Total (A)	—	—	1380	17150	18530

A.L.O. II S. No.	Name of Road	Name of Plants		Number of Gaps		Total
		Trees	Shrubs	Trees	Shrubs	
1	Madhya Marg Sec-9 to 12 & 14 to 17	Cassia Javanica, Chakrassia	Bougainvillea	50	300	350
2	Jan Marg Sec-3, 4, 9 & 10 & Sec-17, 16	Pilkhin, Kusum, Mahagony	Bougainvillea, Mini chandni, hamelia	50	300	350
3	Uttar Marg Sector – 1 to 5	Alistonia, Jacranda, Lagistromia Throli, Neem, Gulmohar	Kaner, tecomastand, hamelia, minichandini. Lantana, chandni variegated	200	1000	1200
4	High Court Sector – 1	Amaltas /Chakrassia	Kaner, tecomastand, hamelia, minichandni. Lantana, chandni variegated.	100	500	600
5	Capitol Complex Sector-1	Amaltas /Chakrassia	--	300	--	300
6	Madhya Marg Press Lights to Transport Lights	Chakrassia	Bougainvillea	150	2000	2150
7	Transport Chowk to UT Boundary Kalka Road	Alistonia	Bougainvillea	25	1000	1025
8	I.T. Park Road to Manimajra	Mahagony/ Moulstri	Bougainvillea	50	800	850
9	Sukhna Lake Sector-6	Kachnar	---	30	--	30
10	Raj Bhawan Punjab S/6	Ashoka	---	20	--	20
11	Residential Buildings Sec-16 & 24	--	Kaner, Bougainvella. Dwarf Chandni	--	150	150
12	PGI to Mullanpur UT Boundary, Chd.	Amaltas	Kaner	100	3000	3100
13	Leisure Valley, Sec. 10, Chd.	Chakrassia /Gulmohar	Chanini/Gulmohar	50	150	200
14	Kalagram light point to U.T. boundary Panchkula Chd	--	Crinum red/ Chandini dwarf	--	11145	11145
'B'	Total (B)	--	--	1125	20345	21470
Grand Total (A+B)				2505	37495	40000

MUNICIPAL CORPORATION OF CHANDIGARH (HORTICULTURE DIVISION)
TREE PLANTATION TARGETS FOR THE YEAR 2023-24

S. No.	Area	Target		
		Trees	Shrubs	Total
1.	Northern Sectors Parks	460	4750	5210
2.	Southern Sectors Parks	690	6860	7550
3.	Green belts Sector 1 to 11, 15 to 19, 20, 21 to 25, 26 to 35, 36 to 38, 38 West, 39 to 42, 43 to 52, 56, 60, 61, 63, Cactus Park, Ram Darbar, Maulijagran, NAC Manimajra & Maloya	1220	11920	13140
4.	Nallah (N' Choe) Sector 3, 10, 16, 23, 36	240	550	790
5.	Community Centers	540	1470	2010
6.	Rehabilitation Colonies	290	1730	2020
7.	City Centre Sec 17 & 34	55	220	275
8.	Plantation in Gardens	685	6620	7305
9.	Northern Sector Roads (V3 to V6)	310	6900	7210
10.	Southern Sector Roads (V3 to V6)	860	5300	6160
11.	Parks in Modern Housing Complex Manimajra, Central Park, Maulijagran	120	1100	1220
12.	Plantation in Sahaj Safai Kendras (SSK's) Sec. 20, 33 to 35, 43 to 45, 49 to 52 & 61	20	50	70
13.	Mango Garden Sec. 1, 28 & 29, Chd & Ind. Area Ph.I, II, Rajindra Parks, Sector-1 (Mango Garden)	180	--	180
14.	Villages- Kishangarh, Makhan Majra, Maulijagran Pind, Khuda Lahora, Dhanas, Sarangpur, Khuda Ali Sher, Kaimbwala, Palsora & Khudda Jassu	355	900	1255
	Total	6025	48370	54395

TIMELINE FOR PLANTATION TARGETS IN GCAP 2023-24

S. No.	Department/ Organization	No. of Saplings as per GCAP target	Number of saplings			
			Ist Quarter (April, May & June)	2 nd Quarter (July, Aug & Sept)	3 rd Quarter (Oct, Nov & Dec)	4 th Quarter (Jan, Feb & March)
1.	Forest Department	(No.)	(No.)	(No.)	(No.)	(No.)
	Saplings Planting	75,000	Preparation & Earth Work	70,000	5,000	—
	Free Distribution of saplings	75,000	Throughout the year			
2.	Municipal Corpn.					
	Saplings Planting	65,000	—	32015 (Div No. 1)	—	—
3.	Horticulture Div. Engineering Dept.					
	Saplings Planting	40,000	1000	20000	12000	7000
	Selling of saplings	10,000	Throughout the year			

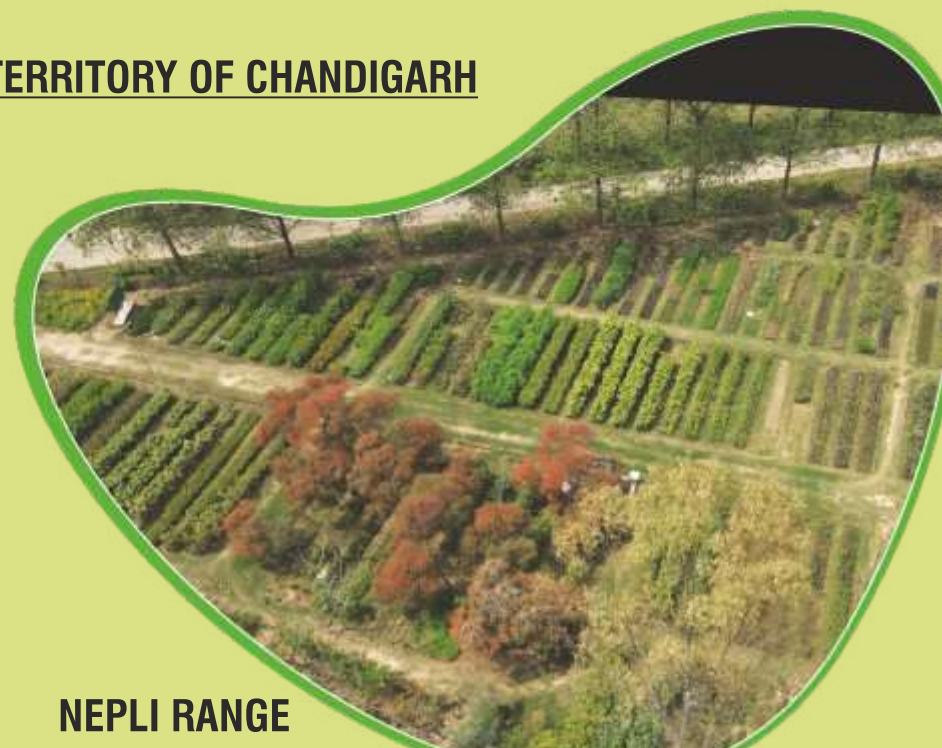
Availability of Saplings in Various Government Nurseries of Union Territory of Chandigarh

In the Union Territory of Chandigarh, three organisations are responsible for maintaining the city's green cover: the Department of Forests and Wildlife, the Horticulture Wings of Engineering, and the Municipal Corporation. These Greening Agencies have different Government Nurseries in the city to fulfil the needs for the plantation campaign.

DEPARTMENT OF FORESTS & WILDLIFE, UNION TERRITORY OF CHANDIGARH

CHANDIGARH RANGE

S. No.	Name of the Nursery	Number of Plants
1	Botanical Garden Nursery, Sarangpur	2,10,000
2	Southern Sectors' Nursery, Sector 53	47,450
3	Patiala ki Rao Nursery, Near Dhanas Lake	47,785
4	Lake Nursery, Near Sukhna Lake Club	60,654
	TOTAL	3,65,889



NEPLI RANGE

S. No.	Name of the Nursery	Number of Plants	
		In Small Poly bags (12x22 cm)	In Large Poly bags (22x36 cm)
1	Daria	90,520	9,795
2	Hallomajra	81,290	8,295
3	Ghareri	85,890	9,500
4	Kishangarh	18,250	2,205
	TOTAL	2,75,950	29,795

**ENGINEERING DEPARTMENT OF
UNION TERRITORY OF CHANDIGARH**

**HORTICULTURE NURSERY UNDER DIVISION NO. 2,
SECTOR 23-C, CHANDIGARH**

S. No.	Species	Number of Plants
1	Shrubs	18,411
2	Sub shrubs	2,452
3	Tree	10,054
4	Climber	1,042
	TOTAL	31,959

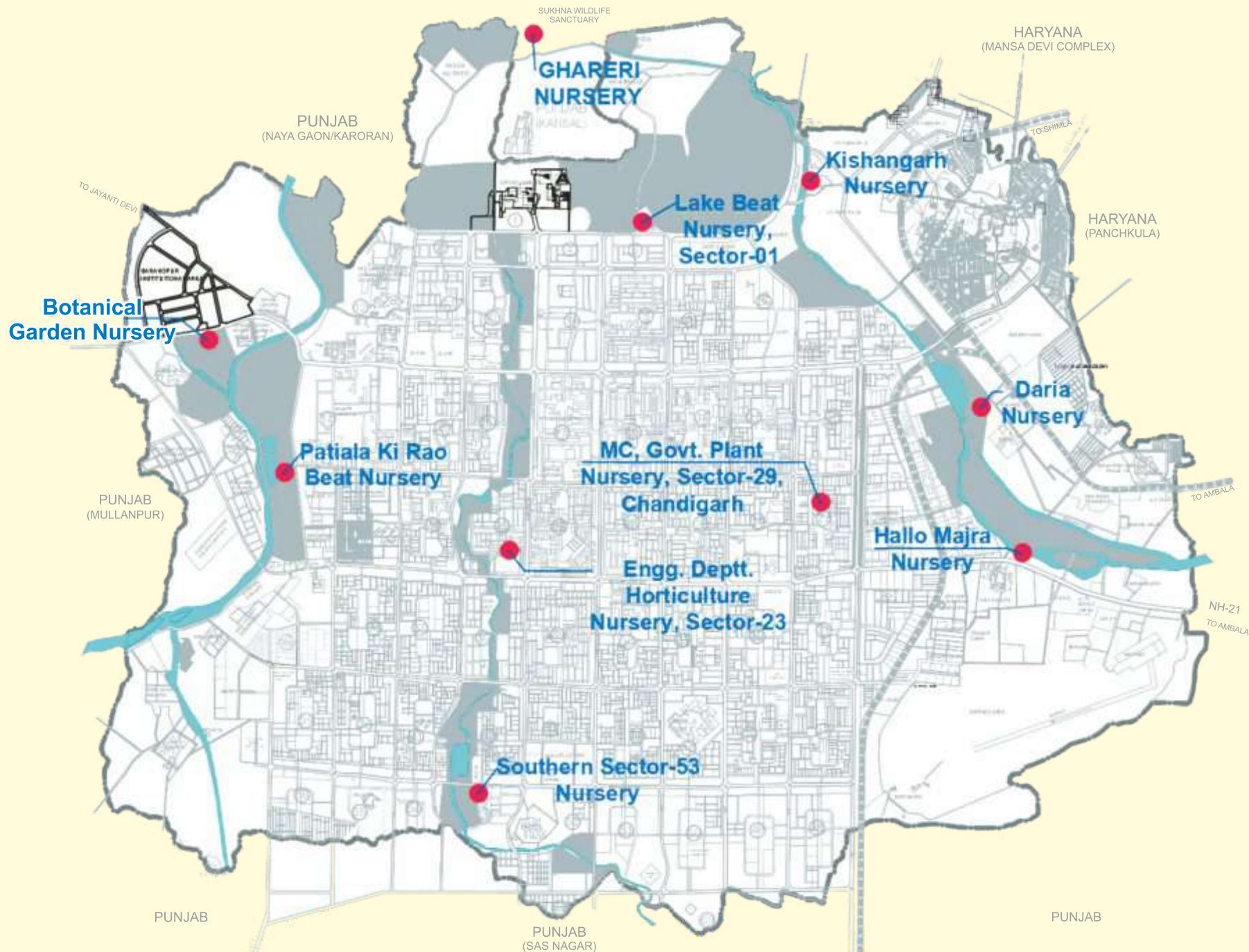


**MUNICIPAL CORPORATION OF
UNION TERRITORY OF CHANDIGARH**

GOVERNMENT PLANT NURSERY, SECTOR 29, CHANDIGARH

S. No.	Trees	Quantity
1	Up to 1 ft	3,248
2	1 to 3 ft	2,886
3	3 to 4 ft	1,958
4	4 to 6 ft	4,948
	TOTAL	13,040

LOCATION OF DIFFERENT GOVERNMENT NURSERIES IN CHANDIGARH



MAJOR PLANT SPECIES AVAILABLE IN NURSERIES

Sr. No.	Name of the Plant (Common name)	Botanical/ Scientific Name
1	Alstonia	<i>Alstonia scholaris</i>
2	Amaltas	<i>Cassia fistula</i>
3	Amla	<i>Phyllanthus emblica</i>
4	Amrood	<i>Psidium guajava</i>
5	Arjun	<i>Terminalia arjuna</i>
6	Ashoka	<i>Saraca asoca</i>
7	Babool	<i>Enterolobium cyclocarpum</i>
8	Bael	<i>Aegle marmelos</i>
9	Bahera	<i>Terminalia bellerica</i>
10	Bottle Brush	<i>Callistemon acuminatus</i>
11	Bougainvillea	<i>Bougainvillea glabra</i>
12	Burma Neem	<i>Azadirachta indica</i>
13	Chalta	<i>Dillenia indica</i>
14	Chandni	<i>Tabernaemontana divaricate</i>
15	Crepe flower	<i>Lagerstroemia speciosa</i>
16	Chukrasia	<i>Chukrasia velutina</i>
17	Dek	<i>Melia azedarach</i>

18	Eucalyptus	<i>Eucalyptus globulus</i>
19	Gulmohar	<i>Delonix regia</i>
20	Gulmohar Neela	<i>Jacaranda mimosifolia</i>
21	Harard	<i>Terminalia chebula</i>
22	Hibiscus	<i>Hibiscus rosa-sinensis</i>
23	Imli	<i>Tamarindus indica</i>
24	Jamoa	<i>Eugenia cuspidate</i>
25	Jamun	<i>Syzygium cumini</i>
26	Jand	<i>Prosopis cineraria</i>
27	Jungle Jalebi	<i>Pithecellobium duice</i>
28	Kachnar	<i>Bauhinia variegata</i>
29	Kadamb	<i>Neolamarckia cadamba</i>
30	Kanak Champa	<i>Pterospermum acerifolium</i>
31	Kaner	<i>Nerium indicum</i>
32	Kaner Yellow	<i>Thevetia peruviana</i>
33	Karanja	<i>Millettia pinnata</i>
34	Kathal	<i>Artocarpus heterophyllus</i>
35	Khair	<i>Acacia catechu</i>
36	Kusum	<i>Schleichera oleosa</i>

37	Lathi Bans	<i>Dendrocalamus strictus</i>
38	Mango	<i>Mangifera indica</i>
39	Mayurpankhi	<i>Platyclusus orientalis</i>
40	Moulsari	<i>Mimusops elengi</i>
41	Neem	<i>Azadirachta indica</i>
42	Northern Black Wattle	<i>Acacia auriculiformis</i>
43	Palash	<i>Butea monosperma</i>
44	Papri	<i>Holoptelea integrifolia</i>
45	Peepal	<i>Ficus religiosa</i>
46	Raat ki Rani	<i>Castrum nocturnum</i>
47	Shisham	<i>Dalbergia sissoo</i>
48	Silver Oak	<i>Grevilea robusta</i>
49	Sky Flower	<i>Duranta repens</i>
50	Sky Fruit	<i>Swietenia macrophylla</i>
51	Sunshine	<i>Cassia glauca</i>
52	Tun	<i>Toona ciliata</i>

FLOWERING TREE SPECIES

S. No.	Common Name of Plant	Botanical/ Scientific Name
1	Amaltas	<i>Cassia fistula</i>
2	Crepe flower	<i>Lagerstroemia speciosa</i>
3	Gular	<i>Ficus racemosa</i>
4	Gulmohar Neela	<i>Jacaranda mimosifolia</i>
5	Kachnar	<i>Bauhinia variegata</i>
6	Kaner	<i>Nerium indicum</i>
7	Palash	<i>Butea monosperma</i>
8	Needle Bush	<i>Acacia farnesiana</i>
9	Coral Jasmine	<i>Nyctanthesarbor tristis</i>
10	Malabar Silk – Cotton Tree	<i>Bombax ceiba</i>

Strategies for Implementing Greening Action Plan 2023-24

Meaningful and two-way dialogue:

The Department of Forests & Wildlife, Union Territory of Chandigarh shall promote meaningful and two-way dialogue that motivates effective citizen participation in the implementation of Greening Chandigarh Action Plan 2023-24 for green transition, including through innovative processes such as deliberative mechanisms. The main goal will be to instil a sense of responsibility in people to care for and nurture trees, as well as to inspire communities and colonies for working together to actively combat pollution at the local level. This shall be accomplished by raising awareness of the value of trees among citizens, especially students.

The Department shall ensure that mechanisms are in place to ensure a co-ordinated and coherent approach to implement the Greening Action Plan across the City Beautiful to effectively steer and achieve targets.

Holistic Public Partnership

The Department of Forests & Wildlife, Union Territory of Chandigarh shall pursue holistic public partnership efforts to support the timely and effective sharing of information and data about environmental pressures and prevention of mis- and dis-information on environmental threats. The focus of the Partnership Initiative Programme (PIP) shall be on generating awareness about the activities undertaken by the department and seek participation of the public.

STRATEGIES TO BE ADOPTED BY NGOs AND VOLUNTARY BODIES

The following roles will be played by NGOs, Environmental Groups, Rotary Clubs, Lions Club, and NSS:

1. **Tree Plantation:** To plant trees in public areas
2. **Plantation in Parks:** Plantation of flowering trees
3. **Cleanliness Drives:** Swachh Bharat Abhiyaan Cleanliness Drives at various places at regular intervals
4. **Coordination:** Co-ordination with RWAs, Market Associations, Eco-Clubs in schools and colleges for plantation
5. **Training:** To train people, especially children to plant trees properly
6. **Identification:** To identify associations and schools willing to participate in the programme and identify a nodal person in such associations to work with



STRATEGIES TO BE ADOPTED BY RWAs

Resident Welfare Associations will serve as the program's primary co-ordinating unit. Their work will consist of:

1. **Water for Birds:** RWAs to promote water feeding of water to the birds
2. **Wire Removing:** The neck of many trees has tied with metal wires. RWAs shall take steps to remove these wires
3. **Promotions:** To promote awareness about how to save energy at homes
4. **Information dissemination:** To inform the residents about the tree plantation campaign
5. **Composting:** Construction of Composting Station to help reduce emissions from our food
6. **Collection & Distribution:** Collection of saplings from Forest Nurseries and their distribution amongst residents of their area



NATIONAL GREEN CORPS



A programme of the Ministry of Environment and Forests of Government of India National Green Corps covers around 1,20,000 schools in India. Environmental activities in schools shall be promoted by the National Green Corps. National Green Corps is expected to organize various activities related to Biodiversity Conservation besides focus on locale specific issues. To attract public attention and support, young girls and boys from NGC shall take up environmental awareness and outreach activities for an environmental cause or environmental intervention. Plantation, Composting of biodegradable waste shall be popular activities to be taken up by the NGC. NGC shall promote environmental discipline and environmental responsibility using environmental awareness as the medium.

ROLE OF ECO-CLUBS

The future generation's understanding of the environment shall be greatly influenced by the eco clubs in schools. There are more than 158 Eco-Clubs in schools and more than 16 Environmental Societies working in various colleges of Chandigarh. More than 75% of schools and 100% colleges of Union Territory of Chandigarh are registered under NGC Scheme. These Eco-Clubs operate under the energising direction of the Chandigarh Department of Environment, which works in conjunction with the Chandigarh Administration's Department of Education. The main role of these clubs and societies shall be to promote ethos of conservation of water by optimizing the use of water, motivate students to imbibe habits and life style for minimum waste generation, source separation of waste and disposing the waste to the nearest storage point. Eco-Clubs shall be playing a lead role in growing kitchen gardens, maintenance of vermin-composting pits, construction of water harvesting structures in school and practice paper recycling etc.



ACTIVITIES OF ECO-CLUBS

1. Tree plantation and to ensure their survival
2. Establishment and maintenance of Herbal Gardens and Herbal Nurseries
3. Preparation of vermi-compost and compost from dry leaves
4. Organization of Environmental Awareness Campaigns
5. Installation of Green and Blue bins in Schools
6. Celebration of various Environmental days
7. Promoting Electric Vehicles
8. Switch to clean energy
9. Cut food wastage
10. Go solar

INNOVATIVE LAND-NEUTRAL SOLAR PHOTOVOLTAIC POWER PLANT OF 500KWP AT DHANAS LAKE, CHANDIGARH

Floating Solar Power Plant aids in the generation of electricity while conserving valuable land space of Chandigarh and this initiative is assisting in lowering evaporation loss also.

The 500kWp Floating Solar Power Plant along with fountains have been installed at Dhanas Lake.

Benefits of Floating Solar Project:

1. Improves water quality & efficiency of panels due to cooling effect of water
2. Reduces algae and removes phosphorus
3. Saves approx 199 million Ltrs of water annually from evaporation per Mwp
4. Generates approx. 3% more power as compare to normal rooftop SPV Power Plant
5. Fountain will increase the Biological Oxygen Demand (BOD)



STRATEGIES TO BE ADOPTED BY HORTICULTURE DIVISION OF ENGINEERING DEPARTMENT

- a. Adopt scientific approach in pruning and pollarding of trees
- b. Adopt an end-to-end holistic approach covering plantation and post-plantation management
- c. Promote R&D technologies for plantation and post-plantation management
- d. Enhance acreage and coverage for plantation through:
 - a. Diversification
 - b. Extension of appropriate technology for high-tech horticulture cultivation and precision
- e. Adopt a coordinated approach and promote partnership, convergence and synergy among various greening agencies in public as well as private sectors
- f. Promote capacity-building at all levels

STRATEGIES TO BE ADOPTED BY CHANDIGARH HOUSING BOARD

1. Undertake energy audit of all services, including water supply, sewage, and storm water management
2. Promote installing renewable energy systems in buildings to reduce the dependency on fossil fuels
3. Green building guidelines should be integrated into development control regulations and building rules/bye laws
4. Promote roof-cooling techniques
5. Promote knowledge creation, public awareness and green buildings



PROCEDURE FOR GETTING FREE SAPPLINGS, LOCATION OF NURSERIES AND PLANTS AVAILABLE

Department of Forests & Wildlife, Union Territory of Chandigarh provides free-of-cost saplings of tree species, shrubs and medicinal plants for plantation.

Department has following six nurseries from where saplings can be collected by the residents, NGOs, schools and other institutes:

S. No.	NAME OF NURSERY	NAME OF IN-CHARGE	CONTACT NO.
1	Hallomajra Nursery, Ambala-Chandigarh National Highway	Sh. Balvinder Singh, Forester	98728-51011
2	Daria Forest Nursery, Opp. Chandigarh Railway Station	Sh. Balvinder Singh, Forester	98728-51011
3	Kishangarh Nursery, Vill Kishangarh, Opp. Chd Golf Range	Sh. Balvinder Singh, Forester	98728-51011
4	Southern Sector, Forest Nursery, Sector-53, Chandigarh	Sh. Kulbir Singh Gill, Forest Guard	99151-27299
	Patiala-ki-rao Nursery, Near Dhanas Lake	Sh. Kulbir Singh Gill, Forest Guard	99151-27299
5	Forest Nursery, Near Lake Club	Sh. Rohit Kumar, Forester	98889-99800
6	Forest Nursery, Botanical Garden, Sarangpur	Sh. Jatinder Singh, Forester	92164-28398



STRATEGIES TO BE ADOPTED BY FOREST DEPARTMENT

- Effective fire prevention and fire management
- Weed management
- Reduced forest fragmentation by conserving contiguous forest patches
- Plantation of species across latitudinal and longitudinal gradient
- Adoption of short-rotation species
- Promotion of natural regeneration and mixed species
- Development of heat and pest resistance in tree species
- Improvement in hydrological regime
- Plantation of biodiverse species
- Special care to retain the natural mix of grasses, herbs and shrubs along with tree species.



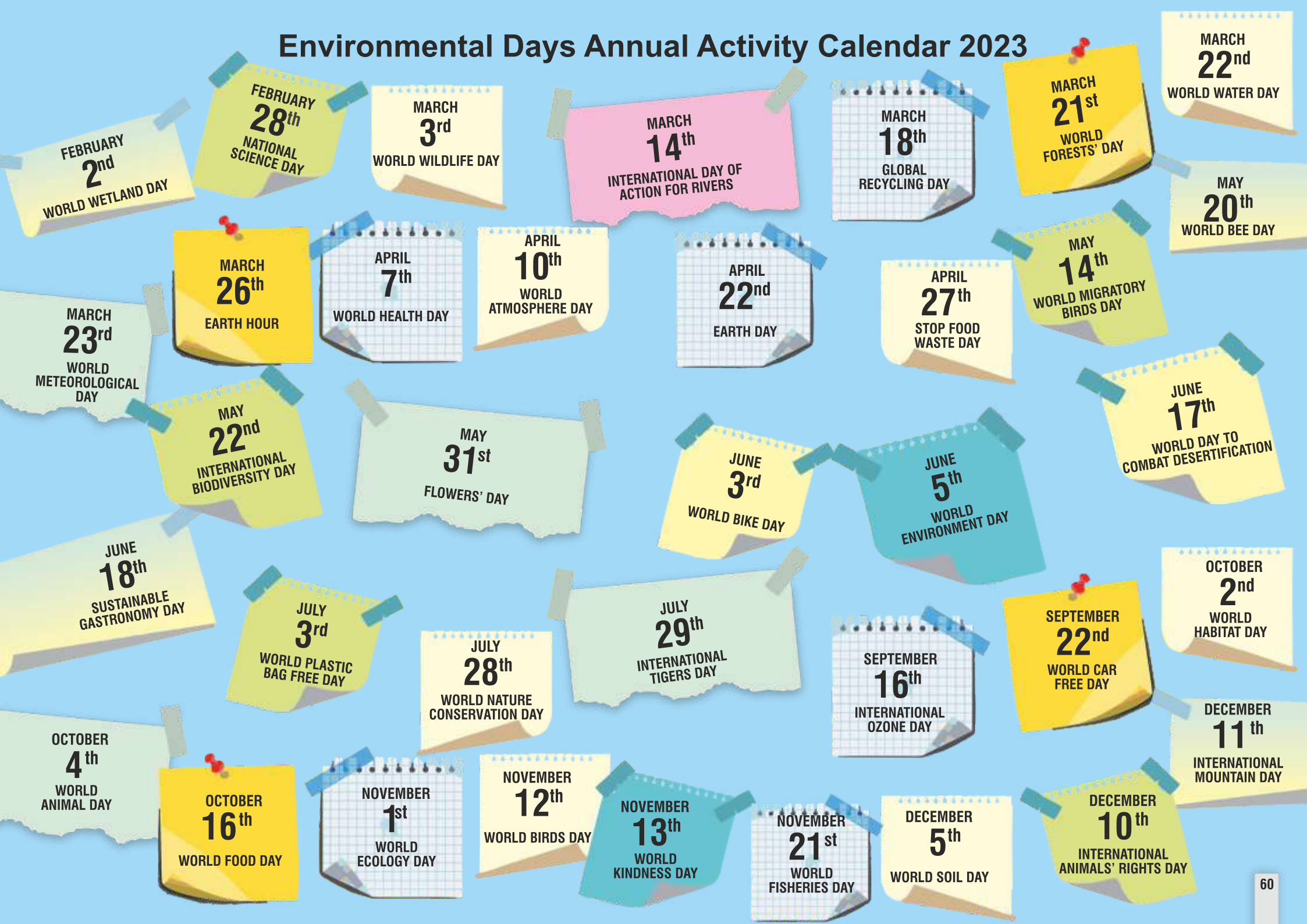
STRATEGIES TO BE ADOPTED BY MUNICIPAL CORPORATION

Measures to support maintenance of plants

- Replacement of dead and dry trees with the sapling of the same species
- Apt treatment including anti-termite and bee-waxing of the diseased trees
- Value addition in ongoing programs on “greening” being taken up by the Forest Department.
- Help multiple agencies to plant, protect and manage tree growth
- Maintenance and restoration of green belts
- Absolute closure to grazing
- Increase in tree cover across the city
- Improvement in water regime
- Nurturing of urban bio-diversity
- Support for Open/green spaces like parks to enhance their biodiversity status



Environmental Days Annual Activity Calendar 2023



FEBRUARY
2nd
WORLD WETLAND DAY

FEBRUARY
28th
NATIONAL
SCIENCE DAY

MARCH
3rd
WORLD WILDLIFE DAY

MARCH
14th
INTERNATIONAL DAY OF
ACTION FOR RIVERS

MARCH
18th
GLOBAL
RECYCLING DAY

MARCH
21st
WORLD
FORESTS' DAY

MARCH
22nd
WORLD WATER DAY

MAY
20th
WORLD BEE DAY

MARCH
26th
EARTH HOUR

APRIL
7th
WORLD HEALTH DAY

APRIL
10th
WORLD
ATMOSPHERE DAY

APRIL
22nd
EARTH DAY

APRIL
27th
STOP FOOD
WASTE DAY

MAY
14th
WORLD MIGRATORY
BIRDS DAY

MARCH
23rd
WORLD
METEOROLOGICAL
DAY

MAY
22nd
INTERNATIONAL
BIODIVERSITY DAY

MAY
31st
FLOWERS' DAY

JUNE
3rd
WORLD BIKE DAY

JUNE
5th
WORLD
ENVIRONMENT DAY

JUNE
17th
WORLD DAY TO
COMBAT DESERTIFICATION

JUNE
18th
SUSTAINABLE
GASTRONOMY DAY

JULY
3rd
WORLD PLASTIC
BAG FREE DAY

JULY
28th
WORLD NATURE
CONSERVATION DAY

JULY
29th
INTERNATIONAL
TIGERS DAY

SEPTEMBER
16th
INTERNATIONAL
OZONE DAY

SEPTEMBER
22nd
WORLD CAR
FREE DAY

OCTOBER
2nd
WORLD
HABITAT DAY

OCTOBER
4th
WORLD
ANIMAL DAY

OCTOBER
16th
WORLD FOOD DAY

NOVEMBER
1st
WORLD
ECOLOGY DAY

NOVEMBER
12th
WORLD BIRDS DAY

NOVEMBER
13th
WORLD
KINDNESS DAY

NOVEMBER
21st
WORLD
FISHERIES DAY

DECEMBER
5th
WORLD SOIL DAY

DECEMBER
10th
INTERNATIONAL
ANIMALS' RIGHTS DAY

DECEMBER
11th
INTERNATIONAL
MOUNTAIN DAY



DEPARTMENT OF FORESTS & WILDLIFE, UT CHANDIGARH

Wildlife Rescue

Wildlife
...CLICK TO ENTER...

- How to deal with Monkeys
- How to deal with Leopard
- Task Force: Handling Mammals
- Ex-gratia Human Wildlife Conflict
- Human Wildlife Conflict Procedure



WILDLIFE SQUAD

☎ 24x7 Helpline No.
0172-2700217



*Life is more beautiful
than we think*

SUKHNA WILDLIFE SANCTUARY, U.T. CHANDIGARH



DEPARTMENT OF FORESTS & WILDLIFE, CHANDIGARH ADMINISTRATION

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