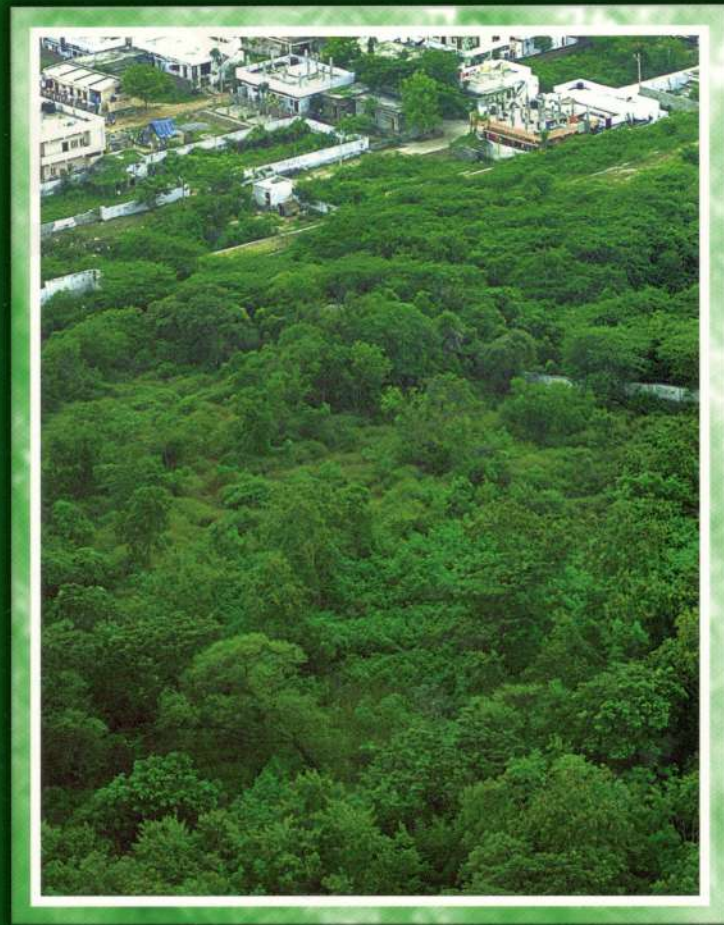
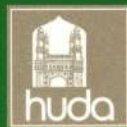


Glorious Green



Green Hyderabad Environment Programme



HYDERABAD URBAN
DEVELOPMENT AUTHORITY

One Day Two Lakh Plantation Programme



*Hon'ble Chief Minister Dr. Y.S. Rajasekhara Reddy launching
One Day Two Lakh Plantation Programme*

*H*on'ble Chief Minister of Andhra Pradesh, Dr Y.S. Rajasekhara Reddy launched the "ONE DAY TWO LAKH PLANTATION" programme at Gandiguda Reserve Forest on the outskirts of Hyderabad city on 26th July 2004. In a short time, 10,000 children have planted 30,000 tall seedlings of useful species like Neem, Amla, Tamarind, Ravi, Kanuga etc. In a concerted and co-ordinated operation, another 20,000 school and college students stationed in the neighbouring Mansoorabad, Shamirpet, Agapalli, Madhapur, Kondamadugu and Ravalkol degraded reserve forests planted 1,70,000 seedlings to make it a ONE DAY TWO LAKH PLANTATION programme a grand success.



We ensure our future

HYDERABAD has emerged as "Green city" in India. The city now boasts of a mind-boggling 26% of its area under effective green cover -much more than in any major cities of the country. The sustained efforts of HUDA over the past eight years brought this magical and massive coverage. This journey into the "green corridor" saw HUDA planting 160 lakh seedlings, spanning an area of 20,000 hectares, with over 95% survival rate. Block plantations covering 17,500 hectares and 326 kilometers of roadside plantations in 70 villages in Ranga Reddy district was taken up as a part of the Hyderabad Green belt

programme, and the Green Hyderabad Environment Programme. Large tracts of waste land and open spaces in the city were brought under the natural green shade of vegetation with the active participation of the citizens and co-operation of various public sector undertakings, who offered their waste lands for giving space for the massive tree plantation program. For its pioneering efforts, HUDA has been conferred the prestigious Indira Priyadarshini Vriksha Mitra award, 1st AP. State Vana Mitra award and Green City awards for 2001 and 2002.

Harithayatra Programme

*H*derabad Urban Development Authority Area is spread over an area of 1,905 sq.kms comprising 10 Municipalities, 125 Gram Panchayats, Osmania University and Cantonment.

To create awareness among the people especially young generation about the importance of tree planting, preserving natural resources like forests & water bodies and reducing the pollution, HUDA has taken up the unique Harithayatra programme in the villages falling in HUDA limits, from 2nd to 8th August, 2004.

The programme was inaugurated by Sri Devireddy Sudheer Reddy, Chairman, HUDA, and Sri. Survaram Sudhakar Reddy Hon'ble Member of Parliament, Nalgonda on 2nd August 2004 at Autonagar, Hayathnagar Mandal. Tree plantation was taken up in open spaces, school compounds, hospital premises, Panchayat Offices with active participation from local communities, school students and women groups.

During the programme about 72 villages were covered over a period of one week by planting 92,500 seedlings.



Sri. Devireddy Sudheer Reddy, HUDA Chairman in Harithayatra





Fruits for the poor

Wasteland Plantations

*L*arge chunks of degraded forests, in the midst of habitation not contributing significantly for environment upgradation. All such open, highly degraded forest lands are treated by planting with suitable species by adopting in-situ rainwater harvesting technology. The entire wasteland component is taken up in reserve forest areas. User groups are identified and Vriksha Samrakshana Samithies (VSS) are formed for sustainability of the programme.



Neem - A multipurpose tree bank

About 5,000 hectares of wasteland has been effectively brought under tree cover by planting 51.50 lakh seedlings of indigenous species like Neem, Amla, Banyan, Peepal, Tamarind, Jamun, Bamboo, Rosewood, Red sanders, Mowha, etc.

The greenery developed in these wastelands is effectively combating growing pollution in the urban areas by serving as green lungs.



Ridge & Furrow planting technique



Fodder collection by stakeholders

Silvipasture Plantations

Community participation in Silvipasture plantations is very high. Rural women collect hamata fodder and natural grasses from the silvipasture plantation. Women groups are permitted to cut and carry (fodder) to stall feed milch cattle free of cost. The results of stall feeding of the milch cattle with highly nutrient hamata has increased yield of milk from 0.5 to 1 liter/ animal per day, this has become a subsidiary income to the rural women and helped

in making these women better organize their household. These women also help in protection of fodder plants grown in the silvipasture. For sustainability of this component HUDA has ensured free access to the resource by acting as a bridge between the institution and the local people. User groups were identified and Vriksha Samrakshana Samithies (VSS) are formed for sustainability of the programme.



Access to fodder for peri-urban poor





A carbon sink in BHEL premises

Institutional Plantations

*I*nstitutional open lands, owned by military cantonments, universities, and industries such as Bharat Heavy Electrical, Hindustan Aeronautics, Defence Research and Development Laboratories within HUDA limits have been successfully afforested to create city forests.

Several institutions have taken active part in afforesting the large chunks of wastelands by ensuring the commitment for protection and maintenance of the greenery. These institutions have also ensured access to the resources like fodder and fuel to the local people.

This has resulted in bringing large chunks of open spaces under tree cover to act as green lungs, arrest soil erosion, improve percolation of rainwater and thereby help in recharging of underground aquifers in thickly populated areas. These pockets increase the bio-aesthetic value of the growing urban area and thereby improve the environment and quality of life by acting as carbon sinks in urban scenario.



Green mantle at Ferozguda



Green belts checking pollution - Narsapur road

Avenue Plantations

*H*UDA has successfully developed stretches of Greenbelts along the roadsides. These greenbelts give a feeling of Green Hyderabad. All the National highways, State highways leading to the city have been covered with green strip plantations. These greenbelts have effectively contributed to reduce the ill effects of vehicular emissions.



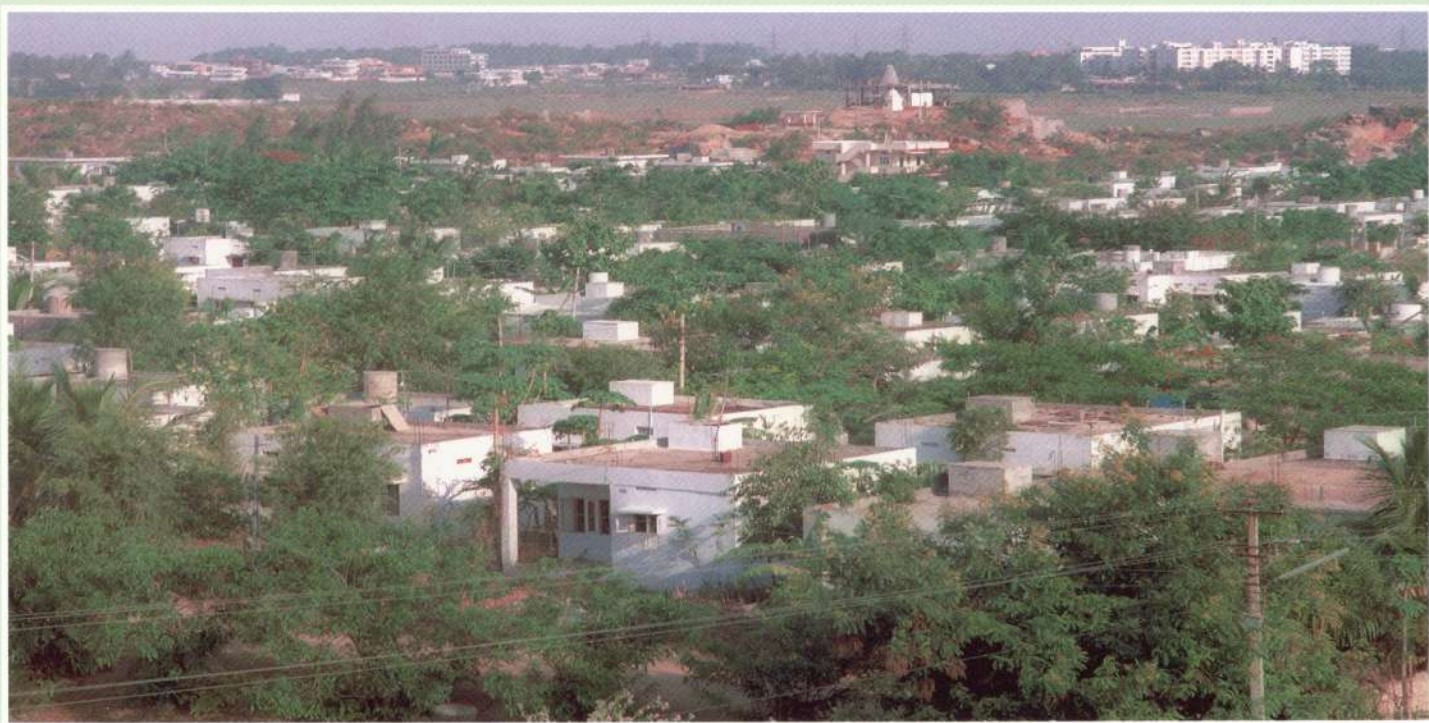
Lofty Ficus median

Impact of Greenbelt

The study conducted by EPTRI has come out with the following results:

| Sl. No. | SPECIFIC POLLUTANT | REDUCTION OF POLLUTION LEVEL |
|---------|-----------------------------------|--|
| 1. | SMP | 27% |
| 2. | NO _x & SO ₂ | 50% |
| 3. | CO | 75% |
| 4. | Noise | Reduction of noise level of 7.4 db from 82.90 db (Day time) Reduction of noise level of 8.5 db from 69.10 db (Night time) |
| 5. | Temperature | 3 to 2 degrees centigrade |





Pragathi Nagar showing the way

Residential Colony Planting

*R*apid urbanization, mushrooming of satellite colonies is rampant in the city as a result, vast open areas in the road margins and residential colonies are left without planting. HUDA has identified these open spaces in residential areas to bring it under tree cover. HUDA provides the tree guard at a subsidized rate of Rs. 100/- per tree guard whereas the actual cost of the tree guard is about Rs.325. HUDA encourages the residents welfare associations by supplying seedlings and giving free technical guidance.



Avenue plantation in residential colony



BHEL Colony - Emerging green place

The active participation of the Residential Welfare Associations take care of the greenery within the colonies, the sustainability of the Programme is ensured. About 700 Residents Welfare Associations are actively involved in creating green lung spaces within the new and upcoming colonies. The participatory approach involving the community is a unique experience in urban environment building and is being replicated by other Urban Development Authorities in the Country.



KBR Walkway Garden

Parks & Flyovers

*H*UDA has developed number of green parks and gardens to improve the quality of life of citizens of Hyderabad and surrounding Municipalities. The rocky terrain of Hyderabad's posh residential areas - Banjara Hills and Jubilee Hills - the KBR Walk Way Garden presents the ultimate experience for the health-conscious in search of the ideal, natural outdoors. The unique feature of this walkway garden is that it is designed without disturbing the natural rock formation of the landscape around which vast expanses of green, xeriscapic garden.

The prestigious NTR Garden over 35 acres in the heart of Hyderabad attracts over 2 million visitors a year. The A.S. Rao Nagar park in Kapra, Patelkunta park in Kukatpally, Safilguda park in Malkajgiri and Langerhouz park in Old City are some of the unique landscape attractions by the HUDA.



Green Flyover - Narayanguda



Blooming Bauhinia in NTR Gardens

Green Flyovers

HUDA has constructed eight flyovers in the city of Hyderabad and these sweeping concrete flyovers have developed "Green feet". Underneath these flyovers, the intervening space between the piers has been effectively used to create picturesque landscape with exquisite and exotic plants bearing carpets of flowers with variegated colors set amidst graceful fountains and enchanting cascades. The area under these flyovers, leaving the road area, is home to this unique greening experiment with 31 species of shrubs and plants spread over an area of 13,100 sq. meters. HUDA's initiative to come up with the concept of green feet for flyovers than the usual shops or toilets under the flyovers have been acclaimed as one of the "best practices" in urban road management.





Gnana Saraswathi Temple - Basara

Temple Greens

*T*he temple environment of the famous Basara and Keesara has undergone a tremendous change due to the landscaping undertaken by HUDA. The overall ambience of the temple precincts at Basara and Keesara is well appreciated by the people of Andhra Pradesh.



Ramalingeshwara Swamy Temple - Keesara



Exclusive birds habitat island in Safilguda lake

Greenery in Lakes

*H*UDA has taken up lake restoration programme on an integrated approach. In the process HUDA has developed number of tree islands and lake foreshores.

By planting species like Anthocephalus (kadamba), Baringtonias, HUDA has enhanced the biodiversity of lakes. Baringtonia is an excellent tree for bird roosting.

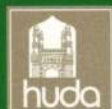


Hussainsagar lake foreshore





Green lungs for the growing City



HYDERABAD URBAN DEVELOPMENT AUTHORITY

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