# saytrees

# ANNUAL REPORT

# Director's Report

SayTrees Environmental Trust has planted more than 46000 saplings in year 2016-2017 and targeting to plant about 1,00,000 saplings in year 2017-2018.

In 2016-2017, the plantation happened in Karnataka and Andhra Pradesh . SayTrees initiated its first large scale plantation in rural area by planting 5000 saplings in Chintamani, Karnataka. SayTrees will be working on planting more saplings in rural areas from 2017. For this SayTrees will be partnering with local organizations and find donor corporates to fund the projects.

SayTrees has been working on creating partnerships with local NGO's in many states of India. These partnerships will enable saytrees to work in multiple states and bring out positive change.

SayTrees has planted 12850 fruit saplings with 31 farmers of Anantpur District. In 2017 SayTrees plans to plant about 10,000 fruit saplings with about 15 farmers. Along with farmers of Anantpur District, SayTrees will also initiate plantation with farmers of Maharashtra. These plantations will enable SayTrees to expand more into Agroforestry.

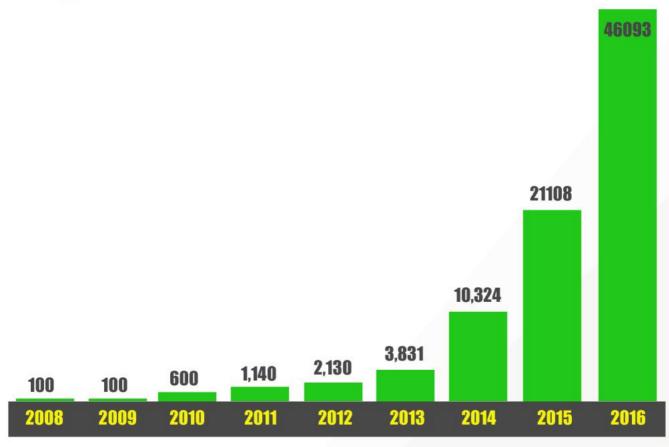
In September 2016, SayTrees created Miyawaki Forest of 2000 saplings at Diesel Loco Shed, KR Puram Bangalore. SayTrees shall be promoting more Miyawaki forests in years to come. This is the need of the hour for growing cities wth less open space for green cover.

SayTrees is trying to get a sponsor to which can donate a water tanker to us. This will reduce lot of our efforts during maintenance and will also remove dependency on water vendors. This initiative will also save thousands of ltrs. of portable water. This will also allow us to water more saplings during summer. SayTrees will hire a permanent driver which will operate the tanker.

Kapil Sharma Founder, SayTrees

# Sapling count so far

85,227 saplings have been planted so far.



46093 saplings were planted in 2016 with thousands of nature lovers. These saplings were planted in lakes, villages, with farmers etc. Dump yards were converted to forests in the city. These plantations took place through more than 60 tree plantation drives and with more than 30 corporates participating with their employees to plant saplings under their CSR initiatives. More than 9000 saplings were planted using Miyawaki Method Of Plantation and a vertical garden was created with 3500 saplings.

# World Environment Day

SayTrees celebrated World Environment Day [June 5, 2016] by planting 588 saplings with about 200 nature lovers which came from all around the city. The plantation was done in Chelekere, a lake in north Bangalore which was recently rejuvenated by BBMP of Bangalore.





















# Plantation in Lakes

#### Seegehalli Lake

SayTrees planted 1200 saplings in seegehalli Lake with Reserve Bank Of India (RBI) as part of their CSR initiative. About 200 RBI employees volunteered to make this possible.





















# Plantation in Lakes

#### Kudlu Lake

SayTrees planted 1277 saplings in Kudlu Dodddakere Lake in year 2016. These saplings were planted in various tree plantation drives which saw hundreds of nature lovers.





















## Plantation in Lakes

#### **Chelekere Lake**

SayTrees planted 1310 saplings in Chelekere Lake in year 2016. These saplings were planted in various tree plantation drives which saw hundreds of nature lovers who came together to bring back the lost greenery of the city.



# Plantation in Railway Land

#### Nayandahalli Railway Station

SayTrees planted 1280 saplings at Nayandahalli Railway Station on June 12 2016 . This location was a dumpyard and saytrees has converted it into a forest in the city .





















# Plantation in Railway Land

#### **Yeswantpur Railway Station Area**

SayTrees planted 3150 saplings at a location close to Yeswantpur Railway Station on August 6 2016. More than 300 nature lovers from the city came forward to participate in this tree plantation drive to create a forest in the city.





















# Plantation in Railway Land

#### **KR Puram Diesel Loco Shed**

SayTrees has planted hundreds of saplings in Diesel Loco Shed in KR Puram, Bangalore. Indian Railway officers have been helping SayTrees in taking care of these saplings and ensure that they grow to become trees.





















# Miyawaki Plantation

#### 100 year old forest in 10 years

On September 24, SayTrees planted 2000 saplings using Miyawaki Method Of Tree Plantation. This plantation technique ensures that saplings grow 10 times faster and the area is 30 times more dense.





















# **Rural Plantation**

#### 5000 saplings planted in Chintamani, Karnataka

SayTrees initiated a tree plantation drive in Chintamani, Karnataka to add green cover to rural areas. 5000 saplings were planted to make a small forest around a water body.







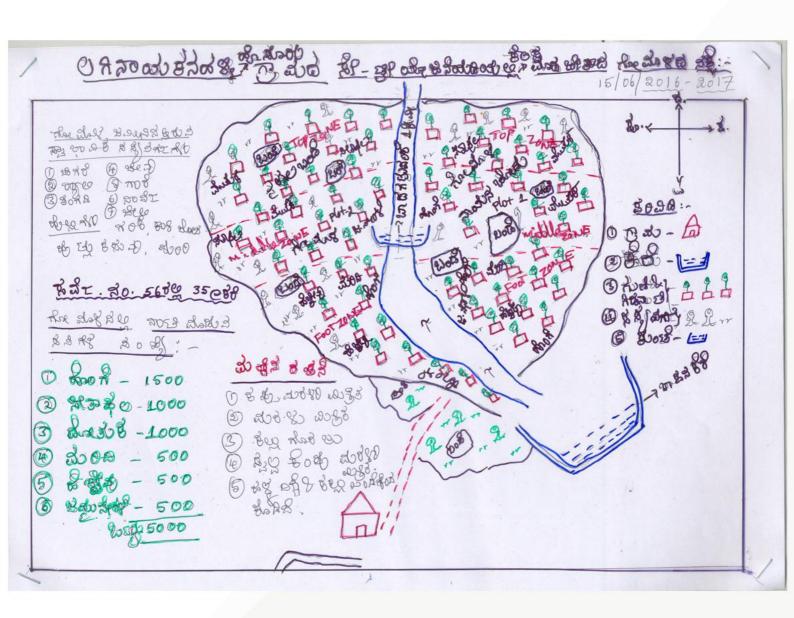






### **Rural Plantation**

Below diagram shows the blue print of the location where 5000 saplings were planted in Chintamani, Karnataka. The saplings were planted around a water body as seen in the image below.



# Agroforestry



12850 Fruit saplings

> 31 Farmers

They say "once in your life you need a doctor, a lawyer, a policeman and a preacher, but every day, three times a day, you need a farmer!". And every year we are seeing that farmers are leading miserable life or even ending their life because of drought or unseasonal rains. What if we give them a source of parallel income?

We planted 12850 fruit saplings with 31 farmers of Anantapur District of Andhra Pradesh and Bagepalli of Karnataka. This will help the farmers have a parallel income in from 3-4 years from now. This will not only help the farmers but will help in increasing the green cover of the villages.



# Agroforestry













# Agroforestry











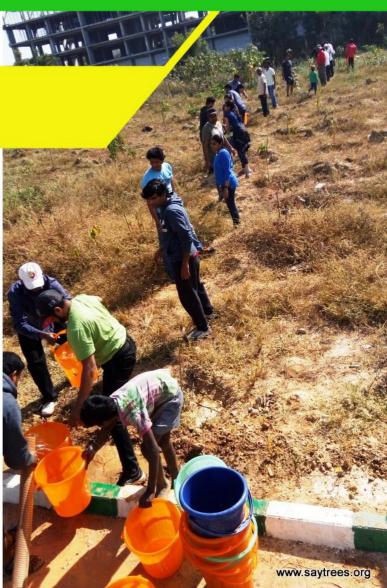


# Maintenance











# Maintenance













# Community Participation

SayTrees promotes community participation to ensure the citizens are made aware about the need of trees for our survival. Our plantation and maintenance drives see volunteers which range from kids to senior citizens. Parents bring their kids to the plantation drives to make them learn about and respect mother nature.





# Community Participation







# Community Participation







#### Vertical Gardens

SayTrees implemented the first vertical garden on a flyover pillar. About 3500 sturdy saplings were planted to make 800 sq. ft. of the garden around a pillar of Hosur Road Flyover in Bangalore. These vertical gardens have lot of benefits.

- \* Reduces urban heat island effect and smog
- \* Cleans outside air of pollutants and dust.
- \* Offsets the carbon footprint of people and fuel emissions
- \* Acts as a sound proofing barrier
- \* Insulates and cools the building envelope, as well as protecting it from the elements
- \* Creates habitats for birds and beneficial insects, increasing biodiversity
- \* Green walls mitigate air pollution levels by lowering extreme summer temperatures through photosynthesis, trapping particulate matter, and capturing gases.
- \* The ability of green walls to provide thermal insulation for buildings means less demand on power, and as a result fewer polluting by-products are released into the air.
- \* Reduces stress among people .



# Vertical Gardens



# Awards & Recognition

SayTrees was appreciated for the work it has been doing over the years.









# Media Coverage

# Getting Generation Y to Go Green All Over Again

Inspired by the Ice Bucket Challenge, this NGO is empting to increase the Garden City's green cover hrough the sapling challenge, finds *Parvathi Benu* 

few months ago, a report by the Indian Institute of Science (IRS) said that the vegetation cover in Bengaharu had declined A. The city saw some hot a record high temperapof good sameritans detheir city instead of blaming anyone. I of making the

sapling challenge by planting a sapling anywhere in Bangalore and challenging five of their friends to do the same. Or, they can visit the SayTrees website and ppr a sum of Rs 300 for someone else to do it on their behalf. With the donastion, the NGO will help them plant a sapling anywhere

in Bangalore. The plantition began in Bangalore on June 5, World Environment Day. "I felt sad to see many century-old trees brought down as if they were of no use. These are our life line.



they were of no are our life line. with susta

July 2816 windianexpress.com/c/11812788

July 18, 2016. Indian Express.

# Nonprofits make sure tree planting isn't just a Photo-op

By Nirupama V. ET Bureau I Sep 22, 2016, 10.53 AM IST

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LONG-TERM TIES Voluntary organisations choose locations carefully, plant right species and conduct regular maintenance drives

BENGALURU: On a Saturday morning, about a hundred people with mud on their tees, shoes, hats and sunglasses pose for a photograph after planting trees in the city. "Say Trees", they say when the camera



Sept 22, 2016. Economics Times.

#### Techie turns green warrior

Despairing of the rampant felling of trees in Bengaluru, software engineer Kapil Sharma launched an NGO called 'Say Trees'. Since then, Sharma has, with citizen participation, planted 60,000 saplings across cities in India

Kapil Sharma is a sentimental young man. When he saw trees being wantonly cut to make way for development projects in his beloved Bengaluru, it broke his heart. It also spurred this software engineer to get proactive.

Sharma founded an NGO called Say Trees, which is responsible for planting 60,000 saplings across Bengaluru, Hyderabad, Delhi and Gurgaon, in the last three years.

"I came to Bengaluru from Chhattisgarh 14 years ago and loved the green cover and pleasant weather in this city. I used to commute 40 kms to and from home and office, and I felt terrible every time I saw a tree being felled along the entire stretch. At times, I tried to intervene but it was futile,"

Sept 24, 2016. Housing.com

# INDIAN EXPRESS



Sept 24, 2016. Indian Express

# Vertical gardens on piers of Electronics City flyover

BENGALURU: After getting positive response to its vertical garden on a pier of the Electronics City flyover, Bengalurubased nonprofit Say Trees now plans to replicate the same on more than 250 piers of the elevated tollway.

"The Electronics City flyover plan is in the final stages. We are waiting for sponsors. Our big dream is to cover the piers of all the flyovers in the city. If Metro (BMRCL) authorities agree, we will work with them, too," said Durgesh Agrahari, head of partnerships and projects, Say Trees.

ects, Say Trees.

He said the vertical garden might look simple but involved many technical details like the safety of piers, pots and saplings. "The vertical garden on one pier has more than 3,500 saplings of 10 varieties. We have carefully chosen these plants to ensure they thrive in organic farming," he said.



A vertical garden on a pier of the flyover at Pragathi Nagar, Electronics City.

BBMP, the Army and the Forest Department have large tracts of lands. But we have to choose places where our saplings and plants are not harmed by human activity or grazing cows," Agrahari said.

Speaking about water re-

Speaking about water requirement, he said the 17,000 saplings they planted in June 2016 required six lakh litres every month. "Two corporate companies have helped us buy a water tanker. The BWSSB has agreed to provide water from sewage treatment plants at the rate of Rs 60 per 4,000 litres. We are also planning to get treated water from apartments. Recycled water is enough for all our projects," he added.

Agrahari said vertical gardens required less water while making Bengaluru roads green once again. "There is no space on the roadside to plant trees. These saplings in the vertical

# Media Coverage



#### **Varsity Alumni Out to Paint City Green**

Christ University Alumni Association, in association with NGO Saytrees, organised a tree plantation drive at Nayandahalli Railway Station on Sunday. In all, 125 students and alumni participated in the programme. The drive was an initiative of Christ University Alumni Commerce Chapter. "Nature is vital, and preserving it for the future is important. We are planning more such events and cover a large section of students and alumni" said. C V Ramesh, alumnus and officer at LIC. "Different chapters of the alumni association host Eco-friendly programmes to educate, nurture and preserve the environment," said Jugnu Uberoi, President - Christ University Alumni Association. "This summer shook me awake. If you want to bring about change, start yourself and work for a greater change by educating people," Shilpa Suresh, an alumna, said



Mon, 13 June 2016

EXPRESS epaper.newindianexpress.com/c/10959755

#### Miyawaki turns this empty plot verdant

yawaki, the Japan of afforestation.

On September 24, 2016, 300 vol-unteers planted 2,000 saplings of over 50 native varieties using this technique.

#### **JAPANESE TECHNIQUE**

Today, the saplings have grown into trees that are now 4ft to 12ft tall. Among the many vato 12ft tall. Among the many va-rieties planted here are honge, mahogany, tabebuia rosea, humahogany tabebuia rosea, hu-wersee, jackfruit, jamun, torema-ti, bamboo, mango, dalichandra, Indian almond, nagalinga, atti, neem, jacaranda, sampige, gul-mohar and blumia. Saplings planted using the Miyawaki technique grow 10 times faster than the regular ones. "A few saplings planted us-ing the traditional way on the

same plot have only grown a few inches. The Miyawaki saplings

#### COMMITTED TO GOING GREEN

We tied up with Say Trees in 2014. Since then we have planted 4,786 trees on our vacant plots. Many people thought this exercise won't be successful, but the saplings have been growing well. We are committed to going green and preserving the environment and are, at



present, arranging for water and electricity required for their maintenance. Recently, our divisional railway manager visited us and said that we should work towards using all available vacant railway plots for raising these kind of plantations.

Srinivasan T | SENIOR SECTION ENGINEER, SOUTH WESTERN RAILWAY

have grown 10 times faster," said Durgesh Agrahari, head of part-nerships & projects, Say Trees, an NGO. "This forest will be 30 times more dense and 50 times more diverse than aregular plan-tation," he added. Miyawaki technique is all about three years of intensive watering and weeding after planting. The result is a lush, dense, self-sustaining forest. The

technique is named after Japa nese botanist Dr Akira Miyawa hese botanist by Akira Miyawa-ki, whose approach was to plant seedlings of as many native can-py trees as possible. Through competition, these trees undergo a process of natural selection, ul-timately leading to the formation of a diverse, natural forest.

After the first three years, the forest does not require any main-tenance, in keeping with the bot-

anist's theory that the best forest management technique is no management technique is no management at all.

"While the saplings are densely packed together, two saplings of the same type cannot be planted adjacent to each other, as then only one will survive," explained Durgesh, Given the rigorous maintenance, the process is slightly more expensive than what's involved in ausual plantation.

Founded by Kapil Sharma about a decade ago, Say Trees has planted over 80,000 saplings across the country. Last year alone it planted 35,000 saplings across the country. Last year alone it planted 35,000 saplings 17,000 of which were in Bengaluru. About 15,000 trees were planted in what used to be dumpyards in Koramangala, Kalyan Nagar, Yeshwantpur and Nyandahalli.

This monsoon, the NGO hopes to raise another Myawaki

Yeshwantpur and Nyandahalli.

This monsoon, the NGO hopes to raise another Miyawaki forest: 20,000 trees in a 6,000sqm plot in Bengaluru. "We must do whatever we can to reduce the impact of global warming, With trees steadily vanishing from in and around our city, we are in great need of these mini-urban forests," said Durgesh.

#### Kapil Sharma, Say Trees

Troubled by Bengaluru's disappearing trees, Sharma began planting saplings in 2007, under his initiative, Say Trees. What started with just 100 saplings grew to 35,000 (across the country) in 2016. Now the 33-year-old wants to move away from urban forests and concentrate on rural areas.

There are always space limitations in cities. Last year, we planted 5,000 saplings in Chintamani (a village 40 km from the city), and this year, we have signed an agreement to plant 50,000 in June," he says, adding that trial-and-error has been his guide. "Interacting with the forest department was a

learning curve. I figured out what to plant and what not to. I've also learnt to plant slightly older saplings as they have a better survival rate." He's also removing dependencies by tying up

removing dependencies by tying up with the sewage treatment authority to use their treated water for the trees. Social connect: Say Trees uses social media extensively and effectively to reach out to people. "If there is a nice cycling track nearby, we will reach out to cycling groups. We also look at trekking, bird watching and photography groups, since combining planting with a hobby usually gets us more volunteers."





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#### 'Nurture the Saplings for a Year'

"More people attach themselves to human causes than for the cause of the environment," he said, adding that there is a need for a green movement. "We need to realise that there is no future if we do not act"



#### **Durgesh Agrahari**

Head of Partnerships & Projects, Say Trees

- · Planting is not the end of greening. All saplings need to be nurtured at least for one year after the planting to ensure that they
- Nurturing means watering, deweeding, tilling the soil and adding of leaf mulch at least once in a week. Need tree-guards to protect from animals and other damage
- Each family has to plant and take

- care of two or three saplings
- Plant where no overhead wires or underground piping will obstruct its growth. Boundaries of a neighbourhood lake, campus of a local government school are good choices
- The new layouts and residential complexes that are coming up need to prioritise green cover
- Greening can extend even to our homes and offices

# **Plantation Drives**

#### Plantation drives in cities in year 2016

Date Of		Supporting				
The second secon	Location Of Plantation	Saplings	Volunteers	corporate/Individuals/grouups		
	Parappan agrahara	25		Bhardwaz		
The second secon	chellekere	177		Sapling Challenge		
	chellekere chellekere	135		Concur		
	chellekere	90		Q net		
	chellekere	50		JP morgan		
	chellekere	21		Akanshaa		
	chellekere	10		Tripti		
	chellekere	5		Kokila		
12/5/2016	Club Road, front of Krish Club Residency	5	10	Saytrees Belagavi		
5/6/2016	Machhe, Behind Devine Mercy School	100	80	Satrees Ngo with Shresta Foundation		
12/6/2016	Kuvempu Nagar & Sahyadri nagar	50	100	Saytrees Belagavi		
10/6/2016		150	Total Control of the	AIG		
10/6/2016		42		Mathworks		
10/6/2016		120		Lavonne		
-	Seegehalli lake	1200		RBI		
	Nayandhalli Railway Station	1280	- Contract Contract	Tesco		
18/06/2016 18/06/2016		100		HP L&T		
25/06/2016		1000		Tesco		
25/06/2016	and the state of t	80	10000000	Minacs		
25/06/2016		200		L&T		
25/06/2016		200	-	Chiltren		
25/06/2016		300		YFS		
25/06/2016		250		SAN		
25/06/2016	ASC	50	0	Beyond Bytes		
25/06/2016	ASC	17	17	dell		
26/06/2016	Parappan agrahara	80	20	Cargill		
1/7/2016	chellekere	60	20	AOn hweit		
	chellekere	150		Sumathi		
	hebbal army area	450		tesco		
	hebbal army area	250	-	GM		
	Kudlu doddakere	500		Mercedes		
THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I	Kudlu doddakere	75		Thermofisher		
	Kudlu doddakere Kudlu doddakere	30 100	The state of the s	dell Tavant		
	Kudlu doddakere Kudlu doddakere	106		Fireeye		
	Kadugodi roadside,Kanamangala	315		Tesco		
	Kengeri Layout	120		Tesco		
	Cottonlengo school whitefield	276		Tesco		
25/06/2016		86	50	Sapling Challenge		
17/06/2016	Whitefild schools	60	20	tesco		
6/8/2016	Yashwantpur	3000	300	Tesco		
6/8/2016	Yashwantpur	150	20	BMC		
	Kudlu doddakere	30	15	Snuvik Technologies		
10/8/2016	Kudlu doddakere	36	12	Banyan tree		
11/8/2016		210		Tesco		
	pond, gubbala	75		saideepa		
	Diesel loco shed, Jr.	50		Aig		
	Diesel loco shed, kr puram	300 129		Syniverse Emc2		
	Diesel loco shed, kr puram Diesel loco shed, kr puram	100		Emc2 Bristlecone		
	Yashwantpur	100	1000	Нр		
	Kudlu doddkere	400		Odessa		
	Yashwantpur	200		Wellsfargo		
	Yashwantpur	500		Citrix		
	Distributed to employees	340		tesco		
2/10/2016	Yashwantpur Rly Stn	200	50	Deloitte		
The second secon	Yashwantpur Rly Stn	700	120	Wells Fargo		
24/09/2016	Diesel locoshed KR Puram	2000	400	Mercedes		
	Diesel locoshed KR Puram	55		Bosch		
	Diesel locoshed KR Puram	65		Mast Global		
	Diesel locoshed KR Puram	61		Bank Bazaaar		
	Diesel locoshed KR Puram	170		AMD		
5	Diesel locoshed KR Puram	75		Mizuho bank		
	Amravati, Maharashtra	200		Ashoka Levland		
3/12/201/	ashoka leyland - H2 vertical garden	6000 450 Ashoka Leyland 3500 0				
	Ashoka Leyland (MDC)	3500 832		Ashoka Leyland		
	ranona Leyiuna (MDC)	032	30	Tanona Leyinia		
	Total	27993	4498			

# **Plantation Drives**

#### Plantation drives in village in year 2016

Date Of	Date Of		# of	Supporting
Plantation	Location Of Plantation	Saplings	Volunteers	corporate/Individuals/grouups
28/08/2016	chintamani	5250	50	GM, SAN

#### Details of farmers supported through Agroforestry

				Varieties of saplings							
			Total								Pomo
SL	Name Of Farmer	Location	Saplings	Mango	Jamoon	Lemon	Orange	Chickoo	Amla	Guava	granate
	1 Y. Raghavachari	Anantpur	300	0	200	100	0	0	0	0	0
	P. Rathnama Chari	Anantpur	550	500	50	0	0	0	0	0	0
	3 V. Anjaneyulu	Anantpur	250	250	0	0	0	0	0	0	0
1	4 D Vishnu	Anantpur	300	300	0	0	0	0	0	0	0
	P. Naga Bhushana Reddy	Anantpur	450	350	100	0	0	0	0	0	0
	6 Masthan M	Anantpur	200	200	0	0	0	0	0	0	0
	7 K. Rama Krishna	Anantpur	400	400	0	0	0	0	0	0	0
	8 G.Surya Narayana Reddy	Anantpur	400	300	100	0	0	0	0	0	0
	9 P. Praveen	Anantpur	450	350	100	0	0	0	0	0	0
1	0 Sudhakar Reddy	Anantpur	600	400	100	100	0	0	0	0	0
1	1 Dora Swami	Anantpur	250	250	0	0	0	0	0	0	0
1	2 Deepla Naik	Anantpur	500	500	0	0	0	0	0	0	0
1	3 B. Samulu Naik	Anantpur	200	200	0	0	0	0	0	0	0
1	4 K. Reddemma	Anantpur	500	0	0	500	0	0	0	0	0
1	5 Pedda Gangaiah	Anantpur	300	300	0	0	0	0	0	0	0
1	6 C. Sreenivausulu	Anantpur	200	200	0	0	0	0	0	0	0
1	7 S. Nara Simha Reddy	Anantpur	650	0	0	0	0	0	0	0	650
1	8 B.Venkata Reddy	Anantpur	600	0	0	0	0	0	0	0	600
1	9 M. Venkata Reddy	Anantpur	600	0	0	0	0	0	0	0	600
2	0 B.Konda Reddy	Anantpur	500	500	0	0	0	0	0	0	0
2	1 K. Venu Gopal Reddy	Anantpur	1000	1000	0	0	0	0	0	0	0
2	2 T. Rama Devi	Anantpur	600	600	0	0	0	0	0	0	0
2	P. Gangadhara	Anantpur	500	0	0	500	0	0	0	0	0
2	4 S. Nagendra	Anantpur	300	0	0	300	0	0	0	0	0
2	5 V. Sreeni Vasulu	Anantpur	200	200	0	0	0	0	0	0	0
2	6 G. Khadar Vali	Anantpur	300	0	0	300	0	0	0	0	0
2	7 G. Lokeshwara	Anantpur	1000	1000	0	0	0	0	0	0	0
2	8 K. Hyder Vali	Anantpur	250	250	0	0	0	0	0	0	0
1000	9 Adinarayana Reddy	Bagepalli	250	250							
	0 Venkatanarayana	Bagepalli	100	100							
-	1 Anjinappa	Bagepalli	150	150							
	,	Total	12850								

# Growth Of Saplings









# Growth Of Saplings







