



Integrated Development Society, IDS

Project Title:

**Prevention of Land Degradation by Developing
Agro Forestry with the Participation of the
Farmers**

Final Report

Project Period:

June 1,2014 to March 31, 2017

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Contents

I.	Abbreviations	3
II.	Executive summary	4
III.	Acknowledgments	5
Chapter 1.	Area of interest	6-7
Chapter 2.	Project Phases	8- 52
	2.1 Phase I – June 1, 2014 to December 31, 2014	
	2.2 Phase II – January 1, 2015 to December 31, 2015	
	2.3 Phase III – January 1, 2016 to June 30, 2016	
	2.4 Phase IV – July 31, 2016 to March 31, 2017	
Chapter 3.	Major Achievements	53- 57
Chapter 4.	Future plans	58
Annexure I	Details of the agro forestry	59

I. Abbreviations:

JSG	Jangal Sajav Groups
Gunta	Small piece of land admeasuring 33sq feet x 33 sq feet
ATMA	Agricultural Technology Management Agency
Dashparni Ark	Organic Pesticide. It is powerful liquid to protect the crop from diseases. It is being prepared by the leaves.
Ngo	Non-governmental development organization
PRA	Participatory Rural Appraisals
MOU	Memorandum of Understanding
MMR	Mumbai Metropolitan Region
TISS	Tata Institute of Social Science, Mumbai

II. EXECUTIVE SUMMARY:

The project objectives were to mobilize farmers into Jangal Sajav Groups, promote awareness regarding agro forestry, strengthen the community based structures and enhance the ability of members to work together. It was also envisaged by IDS to improve the soil fertility and address the issues of land degradation and environment conservation.

The project also aimed to enhance capacity of the selected farming households to apply appropriate sustainable farming practices through workshops, group formation discussions, information dissemination.

Initially, eighteen villages were selected to carry out the project, namely Zedke, Vedhepada, Vedhegaon, Malbidi, Chane, Vishwagad, Dalondevillage, Dalondepada, Pahare, Ghotgaon, Brahmanpada , Minde, Khambla, shirla , Gondhale , Mahap, Savroli , Kelhe. Further, Jangal Sajav Groups of the male and female farmers were formed in these villages.

However, we stopped working in Minde, Khambla, Shirla , Gondhale , Mahap, Kelhe villages since transportation was major issue to reach the villages.

The project commenced in March 2014 and was to be undertaken for 36 months. Accordingly, the project was implemented in the 12 villages of Brahmanpada, Chane, Dolonde, Dalondepada, Ghotgaon, Malbidi, Pahare, Savroli, Vedhepada-Vedhegaon Vishwagad, Zedke etc of Bhiwandi tehsil.

The staff of the organization faced a number of hurdles while carrying out the activities of the said project. However, the targets were duly accomplished.

III. Acknowledgments

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- Women Group,Mumbai
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- National Coconut Board, Thane and Palghar
- Mr. Aurn Gound, Ex-Sabhapati, Panchayat Samati,Wada,Dist.Palghar
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- Saurabh Nursery, Gatesh,Tal.Wada,Dist.Palghar
- Mr. Rupesh Jadhav, Extension officer, Taluka Agricultural Department,Bhiwandi

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Chapter 1: Area of Interest

During the inception report the following villages were initially identified for the project. Accordingly, the project holder visited these villages for initiating process of developing the agro forestry. However, the following villages were dropped out from the list of the villages identified for the project:

S	Name of the Village	Reasons for rejection of the villages
1	Chimbipada	It is the remote village. Invaded by the ranges of Sahayadri. Water sources such as bore well, wells, streams are not available.
2	Pimpalshet-Bhuishet	Located in the forest. Invaded by the mountains. Farmers don't have irrigation devices for developing agro forestry. It's expensive to reach here.
3	Khadki Budruk	
4	Khadki khurd	
5	Kuhe	Water sources such as bore well, wells, streams are not available.
6	Dhamane	It is the remote village. Only few families have agricultural land. No irrigation facilities are there.
7	Parivali	It is on the way from Bhiwandi to Angaon. Only few families have irrigational devices. Most of the people are engaged in industrial activities at Bhiwandi city. Agricultural is secondary activity in this village.
8	Mohiligaon.	Its just one km for Duggad Phata. We had planted 550 saplings at agricultural field of with Mr. S.L Patil. But, there were clashes between the family members. They had created serious issues while plantation program. So we rejected this village for plantation.
9	Lakhiwali (Near bhiwandi)	Most of the people are industrial workers. Only few are engaged in agricultural activities. They are interested in cultivation of paddy only.
10	Asnoli	Asnoli village has huge agricultural land. But only few farmers were interested in plantation.
11	Shelor (Rural)	At present the farmers have stopped agricultural activities. Most of them are engaged with construction line. No one interested in plantation. Most of the lands are in the hands of the builders and private parties.
12	Shelar (Urban)	
13	Junandurkhi	It is located far away from Bhiwandi city. Low frequency of the buses from Bhiwandi ST stands to these villages. Water sources such as bore well, wells etc are lacking. Expensive to locate these villages from Bhiwandi ST stand.
14	Kambe	
15	Katai	
16	Paliwali	
17	Anagaon	This village has huge agricultural land but only handful farmers have well and bore wells. Many farmers have stopped cultivation.
18	Kavad budruk	Both villages are located on the way from Bhiwandi city to Anagaon. Only few farmers have irrigation facilities. Most of them are engaged in industrial work at Bhiwandi city.
19	Kavad khurd	
20	Borpada-Vishabharti Phata	It is close to Bhiwandi city. Most of the people are engaged in industrial activities at Bhiwandi. Many farmers have sold their lands to the builders. Only few people have irrigation facilities. Poor response for developing agro forestry and horticulture. People are money oriented and not interested in cultivation of the land.

The project was finally implemented in the 12 villages of Brahmanpada,Chane, Dolonde, Dalondepada, Ghotgaon, Malbidi, Pahare, Savroli, Vedhepada, Vedhegaon Vishwagad, Zedke of Bhiwandi tehsil.

Chapter 2: Project Phases

2.1. Phase I. – June 1, 2014 to December 31, 2014:

The project holder paid several visits to the villages of project area between May 1, 2014 to May 31, 2014 to select the villages of Bhiwandi tahsil for commencing the agro-forestry project. During these visits, project holder met several stakeholders like **Talathis, Sarpanchs, Gramsavakes, senior farmers, tribal farmers, women farmers, officials of the Panchayat Samiti and Agricultural Technology Management Agency, ATMA and Social Forestry Departments.**

The main objective of these visits was to acquire information regarding the villages, farmers, village administration, development systems at villages, farming practices, type of soils, practices of Plantation, situation of the forests, fuel, Wild fires, irrigation facilities etc. The data gathered was analyzed and then, IDS finalized eighteen villages around Ambadi village for agro-forestry.(See table No 1) The project was commenced in the eighteen villages. The villages selected for agro forestry project are in periphery of Ambadi village on the way from Bhiwandi to Wada.Ambadi village has road connectivity with the target villages.

I. Villages selected for the project activities:

sr	Name of the village	Distance from Ambadi village
1.	Chane	5 KM
2.	Duggad	2 KM
3.	Ghotgaon	3 KM
4.	Gondhale	15 KM
5.	Jambavali	15 KM
6.	Khativali	1 KM
7.	Kelhe	20 Km
8.	Khambala	12 KM
9.	Mahap	13 KM
10.	Malbadi	8 KM
11.	Mainde	18 Km
12.	Mohandul	13 KM
13.	Navade	22 KM
14.	Shirgaon	12 KM
15.	Vedhegaon-Vedhepada	3 KM
16.	Vishwagad	4 KM
17.	Warret	1 KM
18.	Zedke	Zedke village is part of Ambadi. But, Grampanchayata are separate.

II Selection of the project staff: During the visits, project holder met several stakeholders and through contacts, selected a Project Coordinator and Two Community Organizers and appointed them w.e.f. 1 June 2014 for commencing the project activities in the target villages.

III. Staff Training and Development:

In order to equip the project staff with necessary skills and techniques, a two day training program between 28-29 June 2014 was organized at the Adivasi Community Farming Cooperative Society, Jadhav Complex, First floor, Ambadi, Tal. Bhiwandi, Dist Thane.

(Images of the staff training and development)



IV. MEETINGS AND AWARENESS PROGRAMS WITH THE FARMERS:

To form the Jangal Sajav Groups of farmers, meetings were organized with the farmers at target villages. The main objective of the meetings was to motivate the farmers to form their own community based structures for developing agro forestry on the waste, on the banks of the land and barren land.

The details of the meetings:

Sr. NO	Name of the village	No. of meetings conducted	No. of awareness program conducted to develop the agro forestry on the waste and barren land
1	Chane	05	03
2	Duggad	05	03
3	Ghotgaon	05	04
4	Gondhale	06	03
5	Jambavali	05	02
6	Khativali	05	02
7	Kelhe	05	02
8	Khambala	09	03
9	Mahap	06	02
10	Malbadi	06	03
11	Mainde	07	03
12	Mohandul	07	05
13	Nevade	14	09
14	Shirgaon	06	03
15	Vedhegaon-Vedhepada	08	03
16	Vishwagad	09	03
17	Warret	06	03
18	Zedke	06	03
	Total	120	59

V. Jangal Sajav Groups: (Activity No. 2. 2)

As per the MOU of MMR-Environment Improvement Society, (Activity No. 2. 2) Jangal Sajav Groups of the farmers have been formed in the target villages. Each group consisting of 15 to 25 members. IDS has maintained the face sheet of each member of the groups.

Sr.	Name of the Group	Name of the village	No. of the members
1.	Shri Ganesh Jangal Sajav Group	Mainde	20
2.	Kelhe Jangal Sajav Group	Kelhe	14
3.	Shri Saibaba Jangal Sajav Group	Khambala	17
4.	Gavdevi Mata Adivasi Jangal Sajav Group	Shirgaon	13
5.	Sant Tukaram Jangal Sajav Group	Mahap	19
6.	Jai Malhar Jangal Sajav Group	Chane	16
7.	Shir Samartha Jangal Sajav Group	Jambhivali	21
8.	Hirwai Mata Jangal Sajav Group	Nevade	13
9.	Om Sai Jangal Sajav Group	Gondhale	11
10.	Adivasi Jai Malhar Jangal Sajav Group	Mohandul	20
11.	Kul Sawameni Shetkari Jangal Sajav Group	Khativli	20
12.	Krishi Unnati Shetkari Jangal Sajav Group	Duggad	25
13.	Gavdevi Krishi Shetkari Jangal Sajav Group	Malbidi	13
14.	Matorshree Shetkari Jangal Sajav Group	Warrat	15
15.	Dyneshwari Mauli Krushi Shetkari Jangal Sajav Group	Zedke	20
16.	Baliraja Shetkari Jangal Sajav Group	Ghotgaon	20
17.	Sawami Nityaanand Shetkari Jangal Sajav Group	Vishwagad	22
18.	Mulai Krupa Shetkari Jangal Sajav Group	Vedhegaon	16
		Total	315

VI. Participatory Rural Appraisal and Awareness Programs for the Farmers : (As Per MOU Of Environment Improvement Society, Activity No. 3.2)

Participatory Rural Appraisal and awareness program are important activities of the present phase of the project. Prior to these activities, project staff was trained to conduct the PRA and awareness program at target villages. Accordingly, action plan for conducting Participatory Rural Appraisal and awareness program was prepared and implemented at the villages.

The details of the PRA and awareness programs:

Sr.	Name of the village	Date of PRA	Photograph	Photograph
1.	Nevade	18/10/2014		
2.	Chane	28/12/2014		
3	Malbidi	20/11/2014		
4	Kelhe	20/12/2014		
5	Khatavali	10/12/2014		
6	Mahap	2/12/2014		

7	Mohandul	20/11/2014		
8	Shirgaon	8/12/2014		
9	Warret	28/12/2014		
10	Vishwagad	25/11/2014		
11	Ghotgaon	27/11/2014		
12	Gondhale	30/12/2014		
13	Jambivli	22/11/2014		
14	Khambala	20/12/2014		

15	Mainde	15/11/2014		
16	Zedke	1/12/2014		
17	Duggad	11/12/2014		
18	Vedhe	20/12/2014		

VII. Farmers Mela:

Farmers Mela was organized on 5th November 2014 at Vishwagad. The details are as follows.

Name of the event	Farmers Mela
Date of event	November5, 2014
Venue	Vishwagad village, Talauka,Bhiwand,Dist.Thane
Nos. of the participants	70 farmers
Timings	11to3 PM
Names of Resource persons	1.Mr.G.RPatil,ProjectDirector,Agricultural Technology and Management Agency, ATMA,Thane) 2.Dr.Shinde, 3.Mrs.Naik,SericultureSpecialist, Jawahar Panchayat Samiti, Dist. Palghar
Name of the farmers invited from Junner block of Pune district	Mr.Padekar, Farmers, from Junner Block,Dist. Pune Mr. More, Farmers, from Junner Block, Dist. Pune
Topics covered in the Farmers Mela	-Basic Information Of Agro Forestry -Importance Of Agro Forestry -Horticulture -Various Schemes Of The ATMA For Development Of Agro Forestry And Horticulture

2.2. Phase II– January 1, 2015 to December 31, 2015:

This was a crucial phase of the project during which a number of programs and activities were conducted for developing agro forestry and horticulture.

In this period, the organization had planted 7610 saplings in Phare, Kordepada-Vishwagad , Mainde, Jambhivali, Warret, Zedke, Khativali Malbidi, Manivali, Vedhe and Dalonde villages. The organization has arranged the bore well at Kordepada agro forestry site to nurture the plants.

The organization had undertaken Special Project on developing Coconuts in Malbidi village. Wadi approach was being developed to improve socio- economic condition of the farmers. This approach would increase earnings of the farmers through coconut trees. IDS had distributed 305 coconut saplings to the sixteen farmers of Mabidi, Vedhe and Zedke villages. Benefits of planting the coconuts saplings were also going to environment directly. It is proposed to form the cooperative society of the Coconut Growers at Malbidi village to get fair prices for their agricultural product.

IDS had initiated a movement for Conservation of Environment in the eighteen villages. The farmers *Mela*, staff training program and capacity building training program and meetings were organized for the farmers.

Tata Institute of Social Science, TISS, had placed six students, four male and two females for their field work. The students had organized the activities around agro forestry and horticulture for the school going children.





Again, TISS had placed two students for their block placement for a month. Both of them had conducted Mid-term evaluation of the project under guidance of the Chief Functionary of organization.

Foot Note: 1. First Phase 205, second phase 1000, third Phase 550, fourth Phase 300, fifth phase 2600, sixth phase 305 coconuts and seventh phase 2200= 7160 saplings were planted in the above mentioned phases. These phases took place from June 2015 to November 2015.

2. The villages like Mainde, Khambala, Jambavali, Warret, Manivali etc were dropped out in 2015.

I. Workshops On Developing Agro Forestry For The Farmers: (As Per Agreement Activity No: 4.1)

Details of capacity building training programs

Sr.	Name of the group	Total members in the group	Village	Date	Images of training
1	Gavdevi Krishi Shetkari Jangel Sajav Group/ This Group has changes their name. New name: Bhagodaya Jangal Sajav Group.	14	Malbidi	5/5/2015	
2	Hirwai Mata Jangal Sajav Group	13	Nevade	10/5/2015	
3	Gavdevi Mata Adivasi Jangal Sajav Group	13	Shirgaon	1/6/2015	
4	Om Sai Jangal Sajav Group	11	Gondhale	2/6/2015	

5	Adivasi Jai Malhar Jangal Sajav Group	20	Moahndul (Pandhripada)	4/6/2015	
6	Shri Ganesh Jangal Sajav Group	20	Mainde	6/6/2015	
7	Kul Sawameni Shetkari Jangal Sajav Group	20	Khativali	14/9/2015	
8	Dyneshwari Mauli Krushi Shetkari Jangal Sajav Group	20	Zedke	1/10/2015	
9	Mulai Krupa Shetkari Jangal Sajav Group	16	Vedhe 1.	7/10/2015	

10	Mauli Jangal Sajav Group	12	Vedhe 2	15/10/2015	
11	Durga Jangal Sajav Group	12	Vedhe 3	10/10/2015	
12	Renuka Jangal Sajav Group	13	Savroli	3/10/2015	
13	Baliraja Shetkari Jangal Sajav Group	20	Ghotgaon	18/10/2015	
14	Jai Malhar Jangel Sajav Group	19	Chane	26/11/2015	

15	Shri Ganesh Krupa MandalMahila Sajav Group	15	Pahare	28/11/2015	
16	Vitthal Rukhnai Mahila Jangal Sajav Group	12	Vedhe 4.	23/11/2015	
17	Jai Kisan Mahila Jangal Sajav Group	17	Dalonde	7/11/2015	
18	Sahayog Mahila JangalSajav Group	80	Zedke	1/12/2015	
19	Pragati Mahila Jangal Sajav Group	20	Malbidi	11/12/2015	
20	Swami Nityanand Shetkari Jagle Sajav Group	22	Vishwagad	7/11/2015	

As mentioned earlier, it was very difficult to reach Mahap, Nevade, Shirgaon, Khambala, Kele and Gondhale villages since these villages are far from Ambadi. So, we dropped these villages and selected new villages in the periphery of Ambadi village. The following villages were feasible for developing agro forestry and livelihood programs of the farmers.

Foot Note: Villages like Mainde, Jambavali, Warret, Manivali etc were dropped out in 2015 and in place of these villages Savroli, Pahare and Dalonde were selected.

II. List of villages selected for developing agro forestry: (these are final villages for implementation of the project)

Sr	Name of the village	Reasons for selection of the villages
1	Zedke	Zedke village is close to our office. Accessibility of the transportation. Water sources such as bore well, wells, canals etc are with the farmers. This is also good village for commencing bee keeping activities among the farmers. Farmers are hard worker here. These are plus points for selection of this village.
2	Vedhegaon + Vedhepada	Located in the forest. Attached to Canal of the Bhatsa dam. Most of the farmers have irrigation facilities. Women have huge capacity to plant and nurture the saplings. Mrs. Madhuri Bhoir is well know farmer here. She has sound knowledge for plantation and developing nursery. She is asset for the organization for further activities.
3	Malbidi	95 % farmers have irrigation facilities. The farmers are interested in plantation. Women are also interested in plantation.
4	Chane	50% percent farmers have irrigation facilities. Farmers are very keen to plant wild and fruit saplings. They organize the meetings on time to time and discuss progress.
5	Vishwagad	65-70 % percent farmers have irrigation facilities. Farmers have good understanding of conservation of environment. Few women had come forward for plantation programs. Most of the farmers have proper knowledge of developing nursery, vermin culture and bio-composting. These are plus point for selection of this village for agro forestry sites.
6.	Dalondegaon + Dolandepada	Initially, we faced lot difficulties in forming the group here. They used to call us at night for the meetings. But we over come difficulties. Still our meeting takes place at night only. Women are also part of the Jangal Sajav Groups here. We have tied up this group with ATMA-scheme of the central government for channelizing the schemes of the plantation.
7.	Pahare	Every farmer at Pahare village is hard worker. This is a village where we distributed 205 saplings among number of farmers. It's seems that they are united. Seventy to eighty percent farmers have irrigation facilities at their agricultural. Soil is most suitable for agricultural activities.
8.	Ghotgaon (Brahmanpada + Gothanpada)	All the members of Jangal Sajav Groups are tribal. They are interested in plantation. All of them have small plots to plant the trees. Seasonal streams and mini wells around the streams are there for watering the plants. Bee keeping program is proposed here. Beekeeping is also important for pollination. Without bees it is impossible to grow the production of the fruits and vegetables.
9.	Savroli	This group of the tribal women specially Warli. Women are cooperative and interested in developing agro forestry and horticulture. Women attend the meeting whenever we call. They are ready to plants the saplings around their houses. Beekeeping program is proposed here.

Foot Note: Above are final villages in which we developed agro forestry sites.

III. Special Project of agro forestry and horticulture at Kordepada-Vishwagad Village

Mr. Ananta Jadhav lives at Vishwagad village. He is the member of the JSG at Vishwagad village. His family has plot of 15 acres which is close to Kordepada village. This plot has few patches where Mr. Ananta and his family cultivate the paddy and vegetables. However, most of the patches aren't suitable for cultivation; they are called as barren land.

Mr. Ananta Jadhav and his family were motivated to develop agro forestry and horticulture on the barren land. Accordingly, the organization studied the entire plots for planting the wild and fruit saplings. Simultaneously, IDS approached GreenYatra, NGO involved in plantation. GreenYatra consented to support IDS to provide the saplings and to provide water facilities at the agro forestry site.



(Image of land before developing agro forestry and horticulture)

GreenYatra supplied 2600 wild and fruit saplings on 21 August 2015.

- First plantation drive was taken place on 21st August 2015 at the site. 2600 saplings such as raintree, Kashid, Karanj, pomegranate, tamarind peltophorum Nim, Cashnut, custard apple, Gauva, Jamum, Mango, Indian teak, Australian teak etc were planted.
- Second, plantation drive was taken place on 21st November 2015 at the site. On this occasion, 2300 saplings mentioned above were planted.
- Third plantation drive was taken place on 21st December 2015. 1300 saplings were planted at the agro forestry site.
- And, 1200 saplings were planted from August 2016 to September 2016. Thus we planted 8000 saplings on this plot.

Images of plantation



Images of the land before agro forestry program



1. Images of land after developing agro forestry



Images of the submersible pump installed at agro forestry site



Submersible pump of 2 Hr Power was installed on 20th November 2015 at agro forestry site. In 2017, most of the saplings will come up. This will look like as a thick forest. **This agro forestry site is a model project of MMR-Environment Improvement Society and Integrated Development Society, IDS for prevention of land degradation, conservation of environment and resort of biodiversity**

Images of leveling of the land for agro forestry, bore well work and submersible pump



IV. Agro Forestry At Manivali Village:

Mr. S.L Patil farmer of Manivali village developed the agro forestry on his plot. Pictures of the plot before plantation



Five hundred and fifty saplings were planted on 8th August 2015 on the plot.

Saplings planted	No. of the trees planed	Irrigation facilities after monsoon	Total land to be covered	Date of Plantation
Teak, Australian Teak, Plato from, Karanj and Neem	550	Farm based irrigation system	7 and ½ acre	8 th August 2015

V. Agro Forestry At Zedke Village:

Mr. Sukrya Bhiva Mukane and Sunita Sunil Mukane, a tribal farmer of Zedke village had developed the agro forestry on their agricultural plot. The saplings like coconut, mango, guava, lemon, custard apple etc saplings are planted.



Saplings planted	No. of the trees planed	Irrigation facilities after monsoon	Total land to be covered	Date of Plantation
Coconut, Mango, Guava, Lemon, Custard Apple	100	Farm based irrigation system and bore well	5 acres	1 August 2015

VI. Farmers Motivated for Coconut Plantation and Agro Forestry:

The organization had motivated thirty farmers from the target villages for coconut plantation.

SR.NO	NAME OF FARMER	NAME OF VILLEGE	NO. OF COCONUT
1)	Kuldeep Ananta Patil	Khambala	40
2)	Sudhatai Narayan A Patil	Khambala	25
3)	Pandurang Sambu Patil	Khambala	10
4)	Vijay Yashvant Patil	Khambala	10
5)	Vaman Narayan Patil	Khambala	10
6)	Gopal Bendu Patil	Mainde	50
7)	Sitaram Pandurang Patil	Mainde	10
8)	Padman Gopal Patil	Mainde	10
9)	Sandip Pandurang Patil	Mainde	10
10)	Mohan Balu Patil	Mainde	40
11)	Raghunath Narayan Patil	Mainde	25
12)	Pralhad Padu Kalekar	Jabhivali	20
13)	Kathod Babu Kharik	Jabhivali	10
14)	Bhagvan Namdev Shelke	Jabhivali	20
15)	Balaram Ganpat Patil	Malbidi	15
16)	Damoder Gurunath Patil	Malbidi	20
17)	Visnu Kathod Patil	Malbidi	50
18)	Shivaji Vaman Satputhe	Malbidi	10
19)	Atmaram Ganpat Patil	Malbidi	15
20)	Prakash Mahadu Patil	Malbidi	10
21)	Asha Ramesh Mankar	Malbidi	10
22)	Bhagvan Shankar Patil	Malbidi	10
23)	Kashinath Lodu Jadhav	Malbidi	10
24)	Ramesh Raghunath Patil	Malbidi	20
25)	Bhalchand Narayan Patil	Malbidi	20
26)	Yashvant Kalu Jadhav	Malbidi	10
27)	Mahadu Babu Ghodvinde	Malbidi	25
28)	Bhagvan Laxman Bombe	Malbidi	10
29)	Madhuri Mahadev Bhoir	Vedhe	20
30)	Suresh Nago Patil	Vedhe	15
		Total coconuts	760

Foot note: Above farmers were motivated for plantation of the coconut saplings for the year 2015. Finally, samplings were purchased by sixteen farmers only.

VII. Member of Jangal Sajav Groups Prepared for agro forestry and horticulture

Sr	Name of farmers	Name of village	Land to be covered A =Acre, R = Guntha
1	Bhagvan Shelke	Jambivli	1 .00
2	Bhiva Patil	Mainde	2 .00
3	Sudha Patil	Khamble	2 .00
4	Mohan Patil	Mainde	1 .00
5	Prahlad Kalekar	Jambivali	1 .00
6	Sharad Patil	Gondhale	3 .00
7	Narayan Patil	Khambala	1 .00
8	Kaluram Patil	Mainde	1 .00
9	Sitaram Patil	Mainde	2 .00
10	Jayaram Patil	Mahap	1 .00
11	Vitthal Patil	Mahap	1.00
12	Dropadi Patil	Dabhad	1.00
13	Dashrath Patil	Mahap	00. 20 R
14	Ms. Nirmala Katkari	Jambivli	00.10 R
15	Ramu Katkari	Jambivli	00.10 R
16	Sukrya Mukane	Zedke	5 .00
17	Vitthal Patil	Zedke	2 .00
18	Arjaun Patil	Zedke	1.00
19	Ranganath Patil	Zedke	2 .00
20	Ms. Laxmi Gharat	Vedhegaon	2 .00
21	Santosh Waghe	Vedhegaon	1 .00
22	Madhuri Bhoir	Vedhegaon	1 .00
23	Mangesh Patil	Khativli	1 .00
24	Ganpat Mukane	Khativali	1 .00
25	Subash Patil	Khativali	1 .00
26	Kishor Patil	Duggad	1 .00
27	Hiramna Patil	Duggad	2 .00
28	Ulhas Bhoir	Warret	1 .00
29	Namdeo Patil	Warret	1 .00
30	Dashrath Bhoir	Ghotgaon	1 .00
31	Shantaram Gavli	Ghotgaon	1 .00
32	Ananta Jadhav	Vishwagad	3 .00
33	Maruti Jadhav	Vishwagad	1 .00
34	Sukrya Mukane	Zedke	3.00
	The saplings of mango, jackfruit, Awala,Jambul, Karanj, Neem, Teak, Australian teak, wood, raintree, Guava, Native etc. were supplied to the farmers.		

VIII. Details of the plantation activity taken place in 2014 And 2015:

The organization had planted 7160 saplings in the target areas. The farmers consented to nurture and grow the saplings.

Sr .	Name of village	No. of farmers given saplings	Type of sapling	No. of saplings planted	Actual area of plantation (In Acres and Guntha)	Total land benefited from agro forestry and horticulture
1	Pahare	40	Awala, Jamun, Mango, Jackfruit And Gauva	250	2	5
2	Malbidi	13	Awala, Jamun, Mango, Neem, Jackfruit,	77	1	2
3	Dalonde	05	Awala, Jamun, Mango, Neem, Jackfruit,	400	4	8
4	Mainde	05	Awala, Jamun, Mango, Neem, Jackfruit,	140	1	4
5	Khambala	05	Awala, Jamun, Mango ,Neem, Jackfruit,	150	1.5	4
6	Manivali	01	Teak, Raintree,, Peltophorum Australian Teak , Neem, Kanchan	550	2.5	10
7	Vishwagad-Kordepada	01	Teak, Raintree, , Peltophorum Australian Teak , Neem, Kanchan, Mango, Awala, Jackfruit, Gauva ,Custard Apple	4900	8.43	30
8	Zedke	02	Teak, Raintree, Peltophorum Australian Teak , Neem, Kanchan, Mango, Awala, Jackfruit, Gauva	150	5	10
9	Pahare ,Zedke and Varret	03	Awala, Jamun, Mango, Neem, Custard Apple Jackfruit, Gauva	300	2.14	5.22
		Total saplings planted in the project area: 6917			27.57 acres	73 acres

IX. Details of the Coconut Plantation:

In 2015, three hundred five coconut saplings were planted.

Project area	Malbidi, Vedhe and Zedke villages of Bhiwandi tahsil of Thane District, Maharashtra, India
No of the farmers provided coconut saplings	<ul style="list-style-type: none"> • 14 Male farmers • 02 Female farmers
Type of coconut	1. Dwarf 2. Tall
Nos of coconut saplings provided	305
Partner organization for coconut plantation	National coconut Board, Thane, Ministry of Agricultural

Details of the plantation:

Sr.	Name of the farmer	Village	Area covered	Dwarf - Singapuri (typology)	Toll (typology)	Total coconut
1	Balarma Ganpati Patil	Malbidi	05 Gunta	10	05	15
2	Damodhar Gurunath Patil	Malbidi	06 Gunta	15	05	20
3	Vishnu Kathod Patil	Malbidi	1 acre	25	25	50
4	Shivaji Vawman Satpute	Malbidi	05 Gunta	10	05	15
5	Atmaram Ganpat Patil	Malbidi	05 Gunta	10	05	15
6	Prakash Mahadu Patil	Malbidi	05 Gunta	10	05	15
7	Lodu B. Jadhav	Malbidi	05 Gunta	10	05	15
8	Ramkesh Raghunath Patil	Malbidi	06 Gunta	10	10	20
9	Blachandra Patil	Malbidi	06 Gunta	15	05	20
10	Yashwant Kalu Jadhav	Malbidi	05 Gunta	10	05	15
11	Bhagvan Shankar Patil	Malbidi	05 Gunta	10	05	15
12	Asha Ramesh Mankar	Malbidi	05 Gunta	10	05	15
13	Mahadu Babau Godvinde	Malbidi	20 Gunta	20	05	25
14	Bhagvan L. Bombe	Malbidi	05 Gunta	10	05	15
15	Madhuri Mahadeo Bhoir	Vedhe	06 Gunta	15	05	20
16	Sukary Bhiva Mukane	Zedke	05 Gunta	10	05	15
			Total land 23 Guntas	143 Gunta = 3 acre and		305

Foot note: Though, IDS motivated 30 farmers for plantation of the coconut saplings for the year 2015. Finally, saplings were purchased by sixteen farmers only.

Process of the coconut plantation:



Jangal Sajav Group was formed at Malbidi, Zedke and Vedhe villages as we formed in other villages. Forming Jangal Sajav Group of the farmers helped the organization to make aware the farmer about importance of the plantation and development of barren land and horticulture. Malbidi Village is situated about 2 KM from Palkhane villages which is on the way from Bhiwandi to Ambadi. Its semi remote village. Most of the farmers has their own bore wells at their agricultural farms for cultivation of the vegetable and horticulture. At Malwadi Village, few farmers have the coconut trees tall in nature. Tall trees take ten to twelve years for bearing the coconut from the date of plantation. The farmers therefore had to wait for long time to start income. The organization approached the National Coconut Board, (NCB) Thane to obtain advance knowledge of the coconut plantation and how the farmers can improve their income by planting the advance type of coconuts. NCB suggested the organization to call the meetings of the farmers to discuss new and advanced types of coconut that bears the coconut within five years from the plantation.

And, Mr. Vishnu Patil, Agricultural Friend was invited for the Farmers Meal organized in May 2015 at Pacchapur, Tal.Bhiwandi, District. Thane. Mr. Wagh, Extension Officer, National Coconut Board, Thane shared all technical information such as space between the coconut saplings, fertilizers, subsidy for the coconut plantation, procedure to claim the subsidy of the coconut in his session during the farmers Mela. IDS had organized the capacity building training program for the JSG on 5/5/2015 at Malbidi village. The scheme of the National Coconut Board was discussed in the capacity building training program.

Fourteen farmers from Malbidi villages, one farmer from Zedke village and 1 farmer from Vedhe villages were motivated to plant the Dwarf Coconut. The workers of the organization collected the 7/12 (land record extract) of the farmers to ensure that they were farmers.

The order of 305 coconut saplings was placed to the National Coconut Board, Palghar, District, Thane. And, on 1st August 2015 the 305 coconuts were brought and distributed to the farmers.

TOTAL LAND COVERED THROUGH AGRO FORESTRY AND HORTICULTURE: 73 acres + B. 3 acres and 23 Guntas= 77 Acres and 23 Guntas. Total land: 77 acres and 23 Guntas.

Image of coconut Saplings brought From Palghar



x. Farmers Mela:

Farmers Mela for the farmers was organized on May 22, 2105 at Pacchapur, Tahasil Bhiwandi, District- Thane. We furnished the report along with the progress report.

Name of the event	Workshop on developing Agro-forestry and Horticulture
Date of event	May 22, 2015
Venue	Hanuman Mandir, Pacchapur Village, Tal. Bhiwandi, District. Thane
Nos. of the participants	70 farmers
Timings	11 to 3 PM
Names of experts	Mr. Sunil Wagh, Extension officer, Coconut Development Board, Mr. Amol Bhoir, Project Coordinator, IDS, Mr. K.L Shigvan, Extension officer, Agricultural department,
Topics covered in the Farmers Mela:	Importance of agro forestry- and intercropping Horticulture, Schemes of coconut board , Various schemes of the agricultural department for agro forestry and horticulture
Objectives	<ol style="list-style-type: none">1. To share the various schemes of agro-forestry and horticulture with the farmers.2. To equip the farmers with the skills of developing agro forestry and horticulture.3. To increase interactions among the farmers to develop horticulture and agro forestry.

XI. Staff Training and Development :

The two day workshop for the staff was organized on 11th& 12th April 2105 at Ambidi village.

Name of the event	Staff Training and Development
Date of event	11-12 April 2105
venue	Ambidi village of Bhiwandi, District. Thane.
Nos. of the participants	03
Timings	11 to 3 PM
Names of experts	Prashant Agale and Amol Bhoir
Topics covered :	<ul style="list-style-type: none">• Mobilization of the farmers, Importance of Coordination• Resources Mobilization ,Importance of agro forestry- and intercropping Horticulture, Schemes of coconut board• Various schemes of the agricultural department for agro forestry and horticulture
Objectives of the workshop	<ol style="list-style-type: none">1. To discuss the various schemes of agro forestry and horticulture and requisites of the schemes.2. Open discussion on the agro forestry and horticulture.

2.3. Phase III – January 31, 2016 to June 30, 2016:

Human and material resources of SukhBhoom, Non-profit organization were used for making aware the farmers about the beekeeping activities. GreenYatra and CERE Mumbai consented to provide the saplings to the organization for this year too.

This was very crucial phase of the project since number of activities such as capacity building on **Plantation** and Forest and Waste Land, generating sustainable livelihood, disbursement of Grant-in-aid to the Jangal Sajav Groups, felicitation program of the active farmers, celebration of the World Environment Day, Plantation on the occasion of the World Environment Day etc. were conducted. The book entitled: **AGRO FORESTRY A CONCEPT** was published on the occasion of the World Environment. The Book is informative for enlightening the farmers to adopt the scientific ways for developing agro forestry.

Exposure visits of the farmers were organized on 6th April 2016 at Krishi Vidyan Kendra, Kosbad, Tal. Dahanu, Dist. Palghar, Maharashtra and on 29nd June 2016, at Saurabh Nursery, Gathesh Village, Tal. Wada, Dist. Palghar. The main purpose of this visit was to expose the farmer's new technology in the agro forestry, horticulture, beekeeping, developing High-tech nurseries and goat rearing so that they can replicate these activities at their respective villages for their sustainable livelihood while developing agro forestry.

The organization planted 100 wild and fruit saplings on the occasion of the World Environment Day at Pahare village. Fifty wild saplings were also planted on the occasion of the Vat Savitri Poornima at Kordepada plot where the organization is developed model Project of agro forestry. On 28th June 30, 2016, two hundred wild and fruit saplings were replanted at Koredepada agro forestry site.

The farmers from the target villages have been prepared for developing agro forestry and horticulture for this year. Ten farmers from the target villages have been prepared for planting the Singapuri coconut.

The drum stick tree has tremendous capacity to generate income within one and half year. In order to provide the saplings to the farmers, a small nursery of 1000 saplings was developed at Kordepada-Vishwagad. The saplings will be deployed to the interested farmers in the target area. This will be a larger effort for generation of sustainable livelihood and developing agro forestry.

I. Capacity Building For Developing Plantation On The Forest And Waste Land The Farmers: (As Per Agreement Activity No: 4.2)

Sr.	Name of the group	Total members in the group	Village	Date	Capacity Building For Developing Plantation On The Forest And Waste Land The Farmers
1	Bhagadaya Jangal Sajav Group	14	Malbidi	2/3/2016	
2	Shri Ganesh Shetkari Jangal Sajav Group ,Male	16	Vedhe 1.	15/3/2016	Images got corrept
3	Mauli Jangal Sajav Group	12	Vedhe 2	16/3/2016	
4	Durga Jangal Sajav Group	12	Vedhe 3	17/3/2016	
5	Renuka Jangal Sajav Group	13	Savroli	4/3/2016	

6	Baliraja Jangal Sajav Group	20	Ghotgaon	9/3/2016	
7	Jai Malhar Jangal Sajav Group	19	Chane	10/3/2016	
8	Shri Ganesh Krupa Mandal Jangal Sajav Group	15	Pahare	18/3/2016	
9	Vitthal Rukhmai Jangal Sajav Group	12	Vedhe 4	24/3/2016	
10	Jai Kisan Jangal Sajav Group	17	Dalonde	29/3/2016	
11	Pragati Mahila Jangal Sajav Group	20	Malbidi village	2/3/2016	

12	Swami Nityanand Shetkari Jnagal Sajav Group	22	Vishagad	1/1/2016	
13	Shri Samarth Jangal Sajav Group	10	Vedhepada	5/3/2016	
14	Sadguri Krupa Jangal Sajav Group	10	Vikaswadi- Zedke	10/3/2016	
15	Kulswamini Jangal Sajav Group	19	Khativali	17/3/2016	
16	Om sai Jagal Sajav Group	10	Brahmanpada -Ghaotgaon	26/3/2016	

II. Capacity Building On Skill Development Programs For The Farmers: (As Per Agreement Activity No: 4.3)

Sr.	Name of the group	Total members in the group	Village	Date	Capacity Building On Bee keeping
1	Bhagadaya Jangal Sajav Group	14	Malbidi	5/5/2016	
2	Mauli Jangal Sajav Group	12	Vedhe 2	16/5/2016	
3	Durga Jangal Sajav Group	12	Vedhe 3	11/5/2016	
4	Renuka Jangal Sajav Group	13	Savroli	6/5/2016	
5	Baliraja Jangal Sajav Group	20	Ghotgaon	3/5/2016	

6	Jai Malhar Jangal Sajav Group	19	Chane	14/5/2016	
7	Shri Ganesh Krupa Mandal Jangal Sajav Group	15	Pahare	20/5/2016	Images got corrept
8	Vitthal Rukhnai Jangal Sajav Group	12	Vedhe 4.	13/5/2016	
9	Jai Kisan Jangal Sajav Group	17	Dalondepada	7/5/2016	
10	Pragati Mahila Jangal Sajav Group	20	Malbidi	5/5/2016	
11	Swami Nityanand Shetkari J Jangel Sajav Group	22	Vishwagad	6/5/2016	
12	Shri Samarth JangalSajav Group	10	Vedhepada	7/5/2016	

13	Sadguri Krupa Sajav Group	10	Zedke	17/5/2016	
14	Om sai Jagal Sajav Group	12	Brahmanpada-Ghaotgaon	13/5/2016	
15	Jai Ambe Jagal Sajav Group	12	Vedhepada	19/5/2016	
16	Pragati Mahila Jagal Sajav Group	12	Vedhegaon	14/5/2016	
17	Astavinayak Purush Jagal Sajav Group	25	Kandaligaon	24/6/2016	
18	Vaishnavi Mata Jagal Sajav Group	12	Vedhe-Talewadi	20/6/2016	
19	Jai Kisan Shetkari Jangal Sajav Group	17	Dalondepada	12/5/2016	Images got corrept

III. Exposure Visits of the farmers:

- A. Exposure visit of the famers was organized on 6th April 2016 at Krishi Vidyan Kendra,Kosbad Hill, Dahanu,Dist. Palghar.
- B. Second exposure visit of the farmers was organized on 29thJune 2016 at Saurabh High Tech Nursery, Shirspada,Tal. Wada, Dist.Palghar.

The objectives of the exposure visit:

- To interact with the experts of the Krishi Vidyan Kendra.
- To expose the advance technologies of the horticulture and agro forestry, goat rearing and poultry to the farmers.
- To enlighten the farmers on the bee keeping practices and how they can start these practices in their areas for livelihood.

No. of the participants: 170 farmers and 13 volunteers. Plus 4 drivers and 4 cleaners

Total participants: 191

Images of the exposure visit





Images at Saurabh,Gitesh village,Tal. Wada,Dist.Palghar.



No. of participants: 50 including farmers, volunteers and staff. Jangal Sajav Groups from Brahmanpada, Vedhegaon,Malbidi and Zedke participated in the exposure visit.

IV. World Environment Day:

World Environment Day was celebrated on 5th June 2016 at Renuka Vidyalaya, Zedke.

One hundred and seventy- five farmers and twenty- five volunteers participated. Two active farmers named Mr. Ananta Jadhav from Vishwagad village and Mr. Vishnu Patil from Malbidi village were felicitated on this occasion for their outstanding work in developing agro forestry and horticulture at their respective agricultural fields.

JSG were given Grant-in-aid on this occasion to nurture and sustain their group activity. Amount of worth Rs. 57,000/- was disbursed through the cross cheques to Jangal Sajav Groups.

Images of the World Environment Day



The book entitled: Agro forestry a Concept (Marathi version) was published on this occasion. The main purpose of this book is to share concept of the agro forestry and types of agro forestry's with the farmers and inculcate values of the agro forestry and horticulture.

V. Nursery :

No other seed has strong vitamins as the Drum stick seed has. Taking into consideration the capacity of such beans for generating sustainable livelihood, IDS has developed a mini nursery at Kordepada village. Two thousand saplings have developed at this nursery. The objectives of developing nursery are:

- To provide the quality saplings to the farmers of the Jangal Sajav Groups.
- To develop small plots of the drum stick in the target villages.
- To increase income of the farmers by planting the drum stick saplings.



The saplings will be supplied to the farmers of the Jangal Sajav Groups in the month of July 2016 and August 2016 for developing mini gardens of the drum stick. This also a effort for developing agro forestry and horticulture in the target villages.

VI. Plantation of the Occasions Of the World Environment Day:

1. Plantation was taken place on the occasion of the World Environment Day at Pahare village.

The Shipping Marine Scorpio Company, Powai, Mumbai had donated 100 saplings through CERE India to IDS. (Amla, Badam, Guava, Kala Jamun, Karanj, Mango, Neem, Phanas, Safed Jamun, Tamarind and Teak)

The saplings were planted at agricultural farms of Mr. Chandrakant Patil, Hanuman Ashok Patil and Subash Rago Patil .



2. Few women from Mumbai had planted 50 wild saplings at the agro forestry of Kordepada.

Images of plantation taken place on 19th June 2016 at koradepada agro forestry site.



Type of trees planted: Umber, Banyan, Kadu Nim and Karanj

Total land covered: 2 acres.

- On 27nd June 2016, 200 wild and fruit saplings were planted at Kordepada agro forestry site.

VII. Farmers Developed Agro Forestry and Horticulture:

SR.	NAME OF FARMER	NAME OF JANGAL SAJAV GROUP	VILLAGE	LAND TO COVERED	NO. OF PLANTS PROVIDED	PLANTS SELECTED FOR AGRO FORESTRY AND HORTICULTURE
1.	Ms. Sunita Sunil Mukane And Sukrya Mukane	Shree Sadguru	Zedke	1 acre	70	Mango, Peru, Kaju and Kokam
2.	Ramesh Patil	Bhagodaya	Malbidi	1/2 acre	30	Lemon, Mango and Kokam
3.	Vishnu Patil	Bhagodaya	Malbidi	1/2 acre	10	Kokam
4.	Prakash Mahadu Patil	Bhagodaya	Malbidi	1/2 acre	10	Kokam
5.	Ataram Ganpat Patil	Bhagodaya	Malbidi	1/2 acre	10	Kokam
6.	Asha Ramesh Manakar	Bhagodaya	Malbidi	1/2 acre	10	Kokam
7.	Shivaji Waman Satpute	Bhagodaya	Malbidi	1/2 acre	10	Kokam
8.	Kashinath Lodu Jadhav	Bhagodaya	Malbidi	1/2 acre	10	Kokam
9.	Damodhar Gurunath Patil	Bhagodaya	Malbidi	1/2 acre	10	Kokam
10.	Balchandra Narayan Patil	Bhagodaya	Malbidi	1/2 acre	10	Kokam
11.	Deepak Ramchandra Patil	Bhagodaya	Malbidi	1/2 acre	10	Kokam
12.	Yeshwant Kalu Jadhav	Bhagodaya	Malbidi	1/2 acre	10	Kokam
13.	Balaram Ganpat Patil	Bhagodaya	Malbidi	1/2 acre	10	Kokam
14.	Bhagwan Laxman Bombe	Bhagodaya	Malbidi	1/2 acre	10	Kokam
15.	Bhagwan Shankar Patil	Bhagodaya	Malbidi	1/2 acre	10	Kokam

VIII. Farmers Motivated For Agro Forestry:

SR.	NAME OF FARMER	NAME OF JANGAL SAJAV GROUP	VILLAGE	LAND COVERED TO
1.	Toluram Laxman Patil	Jai Kisan Shetkari Jangal Sajav Group	Dalondegaon	2 acre
2.	Eknath Krishna Bhoir	Jai Kisan Shetkari Jangal Sajav Group	Dalondegaon	2 acre
3.	Gajanan Pandurang Patil	Jai Kisan Shetkari Jangal Sajav Group	Dalondegaon	4 acre
4.	Sushila Ratan Atram	Jai Kisan Shetkari Jangal Sajav Group	Dalondegaon	2 acre and 20 Gu.
5.	Mahesh Patil	Individual	Dalondepada	4 acre
6.	Vinod Ganpat Gaikar	Swami Nityanand Jangal Sajav Group	Vishwagad	3 acre
7.	Arun Shantaram Jadhv	Swami Nityanand Jangal Sajav Group	Vishwagad	2 and half acre
8.	Pundlik Kaluram Jadhav	Swami Nityanand Jangal Sajav Group	Vishwagad	1,1/2 acre
9.	Namdeo Govind Jadhav	Swami Nityanand Jangal Sajav Group	Vishwagad	4 acre
10.	Savita Ramesh Late	Jai Ambe Jangal Sajav Group	Vedhepada	5 acre
11.	Bhaskar Patil	Individual	Vedhepada	2 acre
12.	Gitanjali Ganesh Patil	Mauli Jangal Sajav Group	Vedhegaon	1 acre
13.	Nikhata Naresh Patil	Mauli Jangal Sajav Group	Vedhegaon	2 acre
14.	Maluti Baban Tanpure	Mauli Jangal Sajav Group	Vedhegaon	1 acre
15.	Smita Suresh Patil	Mauli Jangal Sajav Group	Vedhegaon	2 acre
16.	Shakuntala Sonawane	Individual	Vedepada	2 acre
17.	Shankar Daware	Individual	Bhogadepada	2 acre
18.	Chandrakant Rayat	Omsai Jangal Sajav Group	Ghotgaon	1 acre
19.	Prakash Undru Patil	Jai Malhar Jangal Sajav Group	Chane	1 acre
20.	Narayan Parsuram Bhoir	Jai Malhar Jangal Sajav Group	Chane	1 acre
21.	Nitin Vitthahal Patil	Shri Ganesh Krupa Jangal Sajav Group	Pahare	5 acre
22.	Balaram Valku Patil	Shri Ganesh Krupa Jangal Sajav Group	Pahare	3 acre
23.	Pundlik Nakul Patil	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
24.	Chandrakant Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
25.	Suresh Savlaram Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
26.	Balaram Gana Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	3 acre
27.	Rupesh Madhukar Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	1 acre
28.	Manohar Govind Patil	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
29.	Deepak Ganpat Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
30.	Pundlik Balu Patil	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
31.	Sunil Sitaram Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	3 acre
32.	Shantaram Shiva Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	4 acre
33.	Prakash Dundu Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
34.	Sharad Tukaram Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	3 acre
35.	Uemsh Gajana Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
36.	Ratnakar Shirpat Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	3 acre
37.	Sagar Ataram Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
38.	Sunil Vitthal Chaudhari	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
39.	Mangehs Pundlik Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
40.	Bhau Mahadu Bhoir	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
41.	Ataram Tare	Shri Ganesh Krupa Jangal Sajav Group	Pahare	2 acre
42.	Rejesh Warghade	Shri Ganesh Krupa Jangal Sajav Group	Pahare	3 acre
43.	Raghunath Patil	Individual	Zedke	3 acre

Above mentioned farmers will be provided the wild and fruit trees in the month of July, August and September 2016 for developing agro forestry.

2.4. Phase IV. – July31, 2016 to March31, 2017:

Activities such as Farmers Mela and felicitation program of the farmers, technical training program on the bee keeping, monitor growth of the saplings, selection of the farmers for the proposed plantation, regular meetings of the groups to discuss about the horticulture and horticulture practices, Grant-in-aid of the national coconut board, opening the bank accounts of the Jangal Sajav Groups, linkages of the Jangal Sajav Groups with the ATMA, etc are conducted during above mentioned period.

I. Farmers Mela and felicitation program:









- Farmer's Meal and felicitation program was organized on 17th January 2017 at Sant Nirankari Hall, Dugad Phada, Tal. Bhiwandi, Dist. Thane.
- Mr. Ananta Bhojer, Organic farming Network, katol, Nagpur and Mr. Prashant Mahajan, Director, Somaya Experimental Learning Centre, Vidyavihar, Mumbai presided over the function.
- Dr. Sadanand Nadkarni, Ex-Dean, Sion Hospital, Mumbai shared his rich experience of biocomposting and how the plastic wastages are important for developing the coconut nurseries.
- Mr. Vishnu Kathod Patil was felicitated for planting the 50 coconut saplings in 2016.
- Mr. Ananta Bhojer spoke on the organic farming and how it promotes the environment. Mr. Prashant Mahajan delivered speech on agro forestry and horticulture. He also emphasized on role of the beekeeping in the agro forestry and horticulture.

Images of the Farmers Mela:



II. **Technical Training Program On the Bee Keeping** (As per agreement Activity No: 4.3) **were organized for the Jangal Sajav Groups. IDS have imparted technical trainings of initiating the bee keeping units to the JSG.**

Sr.	Name of the group	Total members in the group	Village	Date	Capacity Building On Bee keeping
1	Bhagadaya Jangel Sajav Group	15	Malbidi	14/12/2016	
2	Mauli Jangal Sajav Group	14	Vedhe	6/12/2016	
3	Durgamata Jangal Sajav Group	10	Vedhe	7/12/2016	
4	Renuka Jangal Sajav Group	11	Savroli	6/1/2017	
5	Baliraja Jangal Sajav Group	20	Ghotgaonpada	7/2/2017	
6	Jai Malhar Jangal Sajav Group	20	Chane	20/1/2017	
7	Shri Ganesh Krupa Mandal	20	Pahare	22/2/2017	

8	Vitthal Rukhnai Jangel Sajav Group	11	Vedhegaon	2/2/2017	
9	Jai Kisan Jangel Sajav Group	17	Dalondepada	24/1/2017	
10	Pragati Mahila Jangel Sajav Group	13	Malbidi Village	31/12/2016	
11	Swami Nityanand Shetkari Jagle Sajav Group	20	Vishwagad Village	31/1/2017	
12	Shri Samarth Jangel Sajav Group	10	Vedhegaon	30/11/2016	
13	Sadguri Krupa Jangel Sajav Group	10	Vikaswadi-Zedke	14/1/2017	
14	Om Sai Jagle Sajav Group	10	Brahmanpada -Ghaotgaon	20/2/2017	
15	Jai Ambe Jagle Sajav Group	10	Vedhepada	23/11/2016	

16	Pragati Mahila Jagle Sajav Group	11	Vedhegaon	22/12/2016	
17	Vaishanavi Mata Jagle Sajav Group	12	Vedhe-Talewadi	24/12/2016	
18	Jai Kisan Shetkari Jagle Sajav Group	11	Dalondegaon	24/2/2017	
19	Laxmibai Jangal Sajav Group	10	Brahmandapa -Goatgaon	16/1/2017	
20	Samarthakrupa Jangal Sajav Group	10	Vedehepada	28/11/2016	

III. Monitoring and Supervision of the Project:

Ms. Malini Krishnankutty, Secretary, Environment Improvement Society, Mumbai and Mr. Mezhuvalie Usou, Environment Planner, MMR, Environment Improvement Society paid visits to the agro forestry and horticulture sites at Pahar, Vishawagad, Malbidi, Zedke, Vedegaon and Vedhepada villages.

They also interacted with the members of the Jangal Sajav Groups at Malbidi, Vishwagad and Pahare villages. Purpose of their visits was to visit the agro forestry and horticulture sites and assess the work of the organization.

IV. Details Of the Livelihood Activities Initiated by the Groups:

Sr.	Name of the group	Village	Livelihood activity
1	Bhagadaya Jangel Sajav Group	Malbidi	Dashparni Ark, Lendi KhatAnd Local Manure
2	Mauli Jangal Sajav Group	Vedhe	Dashparni Ark And Organic Manure
3	Durgamata Jangal Sajav Group	Vedhe	Nil
4	Renuka Jangal Sajav Group	Savroli	Nil
5	Baliraja Jangal Sajav Group	Gothanpada	Organic Manure
6	Jai Malhar Jangel Sajav Group	Chane	Nil
7	Shri Ganesh Krupa Mandal	Pahare	Nil
8	Vitthal Rukhnai Jangel Sajav Group	Vedhegaon	Nursery And Dashparni Ark
9	Jai Kisan Jangel Sajav Group	Dalondepada	Dashparni Ark
10	Pragati Mahila Jangal Sajav Group	Malbidi	Dashparni Ark. Procured The Beekpeeing Kit. Soon They Will Start The Beekeeping Activity.
11	Swami Nityanand Shetkari Jagle Sajav Group	Vishwagad	Dashparni Ark, Nursery And Local Manure
12	Shri Samarth Jangal Sajav Group	Vedhegaon	Dashparni Ark,
13	Sadguri Krupa Jangel Sajav Group	Vikaswadi-Zedke	Dashparni Ark And Local Manure
14	Om Sai Jagle Sajav Group	Brahmanpada-Ghaotgaon	Local Manure
15	Jai Ambe Jagle Sajav Group	Vedhepada	Dashparni ArkAnd Local Manure
16	Pragati Mahila Jagle Sajav Group	Vedhegaon	Dashparni Ark, Local Manure
17	Vaishanavi Mata Jagle Sajav Group	Vedhe-Talewadi	Dashparni Ark,
18	Jai Kisan Shetkari Jagle Sajav Group	Dalondegaon	Nil
19	Laxmibai Jangal Sajav Group	Brahmandapa-Gothanpada	Dashparni Ark,
20	Samarthakrupa Jangal Sajav Group	Vedehepada	Dashparni Ark,

Chapter 3: Major Achievements of the Project:

- ❖ Twenty Jangal Sajav Groups were formed.

Male	Female	Total Groups
08	12	20

The movement was built among 263 farmers for developing agro forestry.

- ❖ **Developed 72 agro forestry sites** (Area covered: from 5 Guntas to 15 Acres). Mobilized 12006 saplings from Corporate Sectors, NGOs and likeminded groups. 107 acres land was covered through the agro forestry program. This is a contribution for generation of sustainable livelihood for the farmers, conservation of environment and to combat climate change.

Sr. No	No. of saplings planted	No. of saplings survived	No. of saplings died
1	12006	11650	356

- ❖ **Planted 405 Singapore saplings of the coconut saplings** at Malbidi, Zedke, Vedhepada and Dalondepada villages. This activity was undertaken through National Coconut Board, Thane and Palghar.
- ❖ Many fruit yielding and wild trees were planted under this project. The following table gives an exhaustive list of the types of trees that were planted:

Fruit	Wild
Sitafal, Lemon, Anjeer, Chickoo, Mango, Badam, Peru, Shavga, Awala, Coconut, Kokam, Chinch, black and white <i>Jamun (Java Plum)</i> , Pomegranate(<i>Dalimb</i>)	Peltophorum, Raintree, Kashid, Karanj, Australian Teak, Kadunimb, Sesame, Bhendi, Pimpal Vad (Sacred Fig) and Bail (Maredu) , Indian Teak, Ritha

- ❖ The following table gives the number of sites developed per village:

Sr.	Name of the village	No. sites developed
1.	Zedka	02
2.	Vedhegaon	07
3.	Vedhepada	02
4.	Chane	14
5.	Pahare	14
7.	Dalondepada	04
8.	Nimbovali	02
9.	Malbidi	11
10	Vishwagad	01
11	Mainde	01
12	Khambla	02
	Total sites	60

101.7107 acres was developed against a target of 100 acres.

Classification of the land on which agro forestry developed:

Sr.	Type of land on which agro forestry developed	No . Of sites	Percentage
1	On the waste land	04	6.66
2	In front of the house or backside of the house	14	23
3	In the agricultural fields	07	11.66
4	On the border of the paddy field	30	50
5	On the border of the paddy field and in agricultural	05	8.33
	Total sits	60	100

- ❖ Participatory Rural Appraisals were conducted with the JSG to understand the overall situation of the soil, agricultural land, water sources, tress, topography of the area, means of livelihood, proportion of rain fall and land holding pattern. This has given us insight about various factors for

developing agro forestry and horticulture in the target villages. Strong rapport was built between the farmers and the staff of the organization.

- ❖ **Organized Farmers Melas** at Vishwagad, Pacchapur and Dugad Phata. 233 farmers participated in the Melas. Sessions on importance of agro forestry and environment, livelihood and bee keeping for pollination were organized. The last Mela of this project was organized on 17th January 2017 at Dugad Phata. It was a remarkable event. Most of the groups had organized their own stalls. They had exhibited the fruits, drumsticks, dashparni ark organic manure, beans and saplings.
- ❖ **Organized Capacity building trainings programs** (Participatory Rural Appraisals and awareness program: 18, Workshops on agro forestry: 20, Developing plantation on waste land: 16, Skill development programs: 19 and technical training program on setting up bee keeping units: 20. Number of capacity building programs conducted from June 2014 to March 2017 : 93) to sustain the groups, develop agro forestry, and commence high tech nurseries, technical and non-technical trainings to commence the beekeeping units were for the groups. Besides, regular meetings were also conducted to sustain the group's activities.
- ❖ Organized Exposure visits at Krishi Vidyan Kendra, Dahanu, Palghar and Saurabah High-Tech Nursery, Shirish Pada, Wada, Dist,Palghar. Purpose of the visits was to motive the farmers to initiate their own nurseries as livelihood program.
- ❖ **World Environment Day** was organized on 5th June 2016 at Renuka Vidyalaya, Zedke Village. Farmers who developed agro forestry sites were felicitated on this occasion. Grant-in-aid was provided to the groups on this occasion. A book on agro forestry was published on this occasion. Two hundred and fifty farmers participated in this event. Two farmers, Mrs. Madhuri Bhoir and Ananta Jadhav develop their own nurseries of wild and fruit plants after the capacity building training programs.



World Environment Day celebration at Zedke Village (Runuka Vidhyalay)

The following table summarizes the programs conducted for Jangal Sajav Groups.

Sr.	Title of Program	No. of program conducted
1	Participatory Rural Appraisals	18
2	How to develop Agro forestry	20
3	How to develop agro forestry on the waste land	16
4	Skill development program	19
5	Bee-keeping	20
6.	Farmers Melas	03
7.	Exposure visits	02
8.	Felicitation of the farmers and World environment day	01
	Total	99 programs

The project also led to various income generation activities as follows:

Sr.	Name of the group	Village	Income generation activities
1	Bhagadaya Jangel Sajav Group	Malbidi	Dashparni Ark, Leandi Khat And Local Manure
2	Mauli Jangal Sajav Group	Vedhe	Dashparni Ark And Organic Manure
3	Durgamata Jangal Sajav Group	Vedhe	Nil
4	Renuka Jangal Sajav Group	Savroli	Nil
5	Baliraja Jangal Sajav Group	Ghotgaonpada	Organic Manure
6	Jai Malhar Jangel Sajav	Chane	Nil

	Group		
7	Shri Ganesh Krupa Mandal	Pahare	Nil
8	Vitthal Rukhnai Jangel Sajav Group	Vedhegaon	Nursery And Dashparni Ark
9	Jai Kisan Jangel Sajav Group	Dalondepada	Dashparni Ark
10	Pragati Mahila Jangel Sajav Group	Malbidi	Dashparni Ark. Procured The Beekpeeing Kit. Soon They Will Start The Beekeeping Activity.
11	Swami Nityanand Shetkari Jagle Sajav Group	Vishwagad	Dashparni Ark, Nursery And Local Manure
12	Shri Samarth Jangel Sajav Group	Vedhegaon	Dashparni Ark,
13	Sadguri Krupa Jangel Sajav Group	Vikaswadi-Zedke	Dashparni Ark And Local Manure
14	Om Sai Jagle Sajav Group	Brahmanpada-Ghaotgaon	Local Manure
15	Jai Ambe Jagle Sajav Group	Vedhepada	Dashparni Ark And Local Manure
16	Pragati Mahila Jagle Sajav Group	Vedhegaon	Dashparni Ark, Local Manure
17	Vaishanavi Mata Jagle Sajav Group	Vedhe-Talewadi	Dashparni Ark,
18	Jai Kisan Shetkari Jagle Sajav Group	Dalondegaon	Nil
19	Laxmibai Jangel Sajav Group	Brahmandapa-Goatgaon	Dashparni Ark,
20	Samartha krupa Jangel Sajav Group	Vedehepada	Dashparni Ark,

Two hundred farmers have been motivated to initiate beekeeping units, Dashparni Ark (organic Pesticide) nurseries, organic farming, biocomposting and organic manure.

Chapter 4: Future Plans:

- Establish the Soil Testing Laboratory-PUSA STFR technology
- Sustaining the agro forestry and horticulture sites.
- Developing a network of the Jangal Sajav Groups to share their experiences related to the agro forestry and horticulture.
- Continuing the plantation program at target villages after official closure of the project
- Developing High-Tech Nursery for providing quality saplings to Ngo, Farmers groups, Municipal Corporation in MMR region.
- Organize the awareness to sensitize the farmers on importance of the for soil testing

Annexure I. Details of the project of the “Prevention of land degradation by developing Agro forestry.

Name of Village	Agro forestry and horticulture Sites developed	Land covered (in Acres)	Name of Jangal Sajav Groups, JSG	Saplings planted	Total Saplings planted	No. of JSG Members
Zedke	2	10	Sadguri Krupa JSG	120	320	10
			Individual farmer	200		1
Vedhe (Gaon + Pada)	11	19	Mauli JSG	186	845	12
			Durga JSG	0		12
			Vitthal Rukhnai JSG	38		12
			Shri Samarth JSG	20		10
			Jai Ambe JSG	125		12
			Pragati Mahila JSG	0		12
			Vaishanavi Mata JSG	0		12
			Bharat Patil (individual)	150		1
			Sawan Bhoir (individual)	6		1
			Samartha Krupa JSG	0		10
Malbidi	11	17.3	Bhagadaya JSG	690	690	14
			Pragati Mahila JSG	0		20
Chane	14	13	Jai Malhar JSG	420	420	19
Vishwagad	7	21	Swami Nityanand Shetkari JSG	8201	8201	22
Dalonde	4	8.5	Jai Kisan Shetkari (1) JSG	475	475	17
			Jai Kisan Shetkari (2) JSG	0		
Pahare	14	15.2	Shri Ganesh Krupa JSG Mandal	500	500	15
Ghotgaon	1	1	Om sai JSG	15	15	12
			Laxmi JSG	0		10
Savroli	0	1	Renuka JSG	0	0	13
Nimbvali	2	6	Individual farmers	210	210	01
Khambala	2	3	Individual farmers	270	270	01
Mainde	4	-	Individual farmers	180	180	01
Pahare and Warret	2	-	Individual farmers	200	200	02
	71	107		12006	12006	254