

No. 11017/17/2008-NREGA (UN) (Part-II)

Government of India
Ministry of Rural Development
Department of Rural Development
(Mahatma Gandhi NREGA Division)

Krishi Bhawan, New Delhi
Dated: 11 July, 2014.

To: The Spl CSs/Prl Secretaries/Secretaries of Rural Development (MGNREGS)
Government of

Subject: Plan of action for road side tree plantation under MGNREGA.

Sir/Madam,

As per Para 4 (1), 1. (v) of Schedule I, Mahatma Gandhi National Rural Employment Guarantee Act "Afforestation, tree plantation and horticulture in common and forest lands, road margins, canal bunds, tank foreshores and coastal belts duly providing right to usufruct to the households covered in paragraph 5".

2. There are number of roads i.e., national, state highways, PMGSY and other rural roads, where road side tree plantation are being done, but because of limitation of funds for plantation and maintenance of plantation, most of the roads are not covered under tree plantation.

3. Road side tree plantation will provide wage employment and also create productive assets as also check the deterioration of roads and will reduce global warming. Therefore, to start with it is proposed to go for road side tree plantation on National Highways and PMGSY roads in systematically planned and scientific way under MGNREGA.

4. In view of the above potential, plan of action for road side tree plantation under MGNREGA is annexed. You are requested to disseminate this advisory widely and specifically to functionaries in areas where there is scope for taking up this work.

5. We would appreciate intimation of the action initiated.

Yours faithfully


(R. Subrahmanyam)

Joint Secretary (MGNREGA)

Encl: As above

A Plan of Action for Roadside Tree Plantation under MGNREGA

**Department of Rural Development
Ministry of Rural Development
Government of India**

I - Scheme

1. Introduction:

1.1 One of the core objectives of the MGNREGS is, “Providing not less than one hundred days of unskilled manual work as a guaranteed employment in a financial year to every household in rural areas as per demand, resulting in creation of productive assets of prescribed quality and durability” and Strengthening the livelihood resource base of the poor”.

1.2 The works related to drought proofing including afforestation and tree planting are permissible works as per Schedule-I-para-4(I),I.(v)“Afforestation, tree plantation and horticulture in common and forest lands, road margins, canal bunds, tank foreshores and coastal belts duly providing right to usufruct to the households covered in paragraph 5”. Tree is the only asset which grows producing sustainable income to the household every year. Hence the importance to the tree planting in MGNREGA.

2. Plantation on Road Margins:

2.1 There are a number of roads i.e., national, state highways, PMGSY and other rural roads, where road side plantation is being done, but because of limitation of funds for plantation and maintenance of plantation under the respective schemes, most of the roads cannot be covered under plantation.

2.2 Road side plantation will not only create productive assets but will also check the deterioration of roads and will contribute to strengthen ecological balance and reducing global warming.

2.3 To start with,it is proposed to go for road side plantations on PMGSY and National Highway roads under MGNREGA in a systematic and planned way.

3. Objectives :

- i. To provide sustainable, productive and green assets for livelihood of the rural poor.
- ii. To promote ecological balance by promoting soil/water conservation works alongwith tree plantations.

4. Identification of PMGSY Roads:

4.1. PMGSY roads for taking up the plantation work are to be identified by PMGSY field officers in consultation with the Gram Panchayat/Zilla Panchayat and MGNREGA officers (through routes and link routes with adequate land beyond the road shoulder, to be identified).

4.2. Transect walk (for deciding the location, area of plantation and preparing a tentative sketch indicating plantation area and no plantation area) to be undertaken involving Pradhan /Sarpanch/ Members of Gram Panchayat as well as Gram RozgarSevak. During Transect Walk, all the details will be recorded.

4.3. Avenue plantation can be done along the road (beyond the road shoulder) and block plantation can be done wherever Government land is available adjacent to the road and without any prejudice to safety aspect of the road.

Identification of National Highways

4.4. The National Highways will be identified by the NHAI. The roadside plantation under this plan on National Highways shall be implemented in convergence with NHAI, where the material component of the estimate would be contributed by NHAI by depositing the same with the State Employment Guarantee Fund under MGNREGA.

5. Identification of Beneficiaries:

5.1. The Gram Panchayat, in consultation with the revenue authorities would decide the stretches of roads/canals for undertaking the plantation work under this programme.

5.2 Before execution of plantation work, the beneficiaries shall be identified and prioritised from the households belonging to categories as in Para 5 of Schedule-I of the MGNREGA in the villages falling on the side of roads. Among these beneficiaries, the first priority will be given to those whose land is falling by the side of the road.

5.3. The identified beneficiaries along with the proposed lands shall be placed in the Gram Sabha as per MGNREGS guidelines for approval.

5.4. On approval of Gram Sabha, Gram Panchayat shall file, an application on behalf of the identified beneficiaries (Proformain **Format I**-enclosed) before the designated authority responsible for protection of such Government land seeking permission to plant under the scheme duly specifying: the areas for plantation, name of the beneficiary, species proposed to be planted.

5.5. Permission:

- i. The designated authority, on receipt of application in Format I, shall consider the same and decide whether to give permission or not.
- ii. Permission for plantation shall be refused if such plantation (a) could threaten the public safety or (b) land is unavailable or under dispute or (c) land is required for departmental use in the near future.

- iii. All cases of rejection for plantation can be appealed to an higher authority, who shall have the power to over-rule the rejection made and could grant permission.
- iv. Permission granted shall be in Format II (enclosed) which shall contain granting of usufruct rights on the trees planted which shall be heritable but not alienable.
- v. Each beneficiary shall be allotted land strips for planting not more than 200 trees.
- vi. Permission granted can be revoked by a higher authority based on the report of the Programme Officer of MGNREGS and the designated authority for protection of the land if the beneficiary has: (a) not performed his obligations as per the scheme (b) damaged or has attempted to damage the land (c) encroached lands of nearby farmers or (d) has done or attempted to do any illegal act on the land.

6. Usufructs or the Tree Pattas:

The identified beneficiaries of the scheme will have heritable but inalienable right over the usufructs of the trees allotted to them, but they will have no right on the land covered by the trees. This right is subject to the beneficiary performing

- a. All operations for raising, protecting, watering the trees as per the estimate/schedule with the members of his household.
- b. Shall reap the usufructs of the trees after they are mature without damaging the trees or the public assets; and if removal of the plant is essential, shall do replantation at his cost with proper consultation.
- c. Shall not encroach on other lands, not allotted to him.
- d. Shall not do or attempt to do any activity that would damage the land allotted.
- e. Shall not use the land for doing any act prohibited under law.

7. Identification of Plant Species:

7.1 The selection of tree species to be done in by the community in consultation with the local Gram Panchayat and Forest and Horticulture Departments, considering the suitability and availability of plants for arid and dry region, moist areas, marshy areas, saline areas etc. as recommended in IRC SP 21: 2009.

7.2 For conducting Plantation activities, plant material can be procured by Gram Panchayat from Government Nurseries or Forest department in the first year (2014-15). In the subsequent years (2015-16) self-help groups may raise nurseries and provide the plants.

8. Preparation of plant materials:

Except for the first year (2014-15), the required plant material shall be produced in the nurseries to be maintained under MGNREGA. A model estimate for nursery under this programme consisting of the unskilled person days, skilled person days and material is at **Annexure - 1**. The States can take guidance of this and finalise the estimate for the State/region.

Month wise schedule of activities for preparation of a nursery under MGNREGA shall be as given in **Annexure – 2**.

The following shall be kept in view while establishing the nursery:

- a) The location of the nursery may be in the Government land or in the house premises of an SHG, where water facilities are available and should be close to the major plantation site.
- b) The materials to be used for the construction of the nursery must be eco-friendly, like nursery sheds with thatch and bamboo.
- c) Live fencing should be preferred or fencing with locally available material.
- d) If available leaf bags or similar instead of poly bags should be promoted.
- e) Farm Yard Manure which is easily available should be used as manure.
- f) In the nursery as per the activity, Physically handicapped, and other weak, old age, Job card holders should be given priority to work, where there maximum potential can be utilised.
- g) Person days for maintenance activities needs to be judiciously planned so as to keep the plants always in healthy condition.
- h) The number of seedlings raised in the nursery should be in sufficient number say upto 150 % as per the demand.
- i) The seeds needed for sowing in the nursery should be obtained after consultation with the Forest Department.
- j) All nursery operations like, Pre-treatment of seeds, timely sowing of seed as per its viability, etc should be under the guidance of the Forest department.
- k) The SHGs or committees involved in the nursery preparation, must be trained by the Forest/Horticulture Department from time to time.
- l) The ratio of 60:40 needs to be maintained at the Gram Panchayat level.

9. Pre-plantation and Plantation activities:

For plantation of the trees, the activities shall begin at least 10 months prior to the date of plantation. The month wise schedule of activities for Roadside Tree Plantation under MGNREGA is shown in **Annexure 3**.

On the road side, the plant must be planted on the toe. Soil Moisture Conservation (SMC) works along the road sides need to be taken up. A model estimate showing the specifications and estimate for the tree plantation covering unskilled wage work/skilled wage/material covering the pitting, planting and protection for the

number of years (as per the plant species) is enclosed as **Annexure 4**. The States can take guidance of this and finalise the estimate for the State/region.

The following shall be included in the estimate:

- a) Cost of pitting, planting, plant cost, fencing, Farm Yard Manure, Insecticides, mud pots for drip irrigation, Water carrying trolley, Display board.
- b) Water conservation trench between plants.
- c) Cost of watering, weeding and soil working tools.
- d) Unskilled/ Semi-skilled wages to the beneficiary for the finalised term of years, based on number of live plants.
- e) Capacity building for the beneficiary.
- f) Supervisory and Technical support.

10. Modalities:

a. Muster:

Each beneficiary household will be issued muster covering the whole period of the scheme. As and when 100 days are completed by the household, the muster for the rest of the period will be issued as a semi-skilled work, and paid from the material component.

b. Measurement:

Apart from others, measurement will include (a) number of the plants surviving and (b) number of plants for which the notified tasks have been completed.

c. Payment:

The payment to the beneficiaries shall be based on activities carried out as per schedule and survival of plants on a monthly basis, before 15th of each month & survival of previous month recorded. The tasks required to be completed for qualifying for the monthly maintenance shall be as given in the Annexure 2.

Month	Task to be completed as per the schedule of Plantation	Survival %	Payment
On every month	Completed	90 % Above	Full wages
	Completed	>75% and <90 %	Half wages
	Completed	< 75%	No wage
	Not done	90 % Above	Half wage
	Not done	>75% and <90 %	One fourth wage
	Not done	< 75%	No wage

ii. The cost of wages/material under the scheme shall be transferred directly into the bank accounts of the beneficiaries.

11. Training:

Community mobilization/ sensitization of the stakeholders is an essential part of the scheme. Towards this, training will be provided to Gram RozgarSevaks, community workers and resource persons etc. by MGNREGA Officers. There will be orientation meetings with the beneficiaries.

12. Plan of action for roadside tree plantation for the year 2014-15:

For the 1st year of these guidelines, i.e. for 2014-15, the activities shall be as given below:

S.No	Description of Activities	Month	Agency Responsible
1	Assessment of Plant material by RD Dept with Ft. Dept.	15 th Aug 14	RD Dept.
2	Identification of PMGSY roads GP wise	15 th Aug 14	PMGSY-GP/BP/ZP, RD
3	Identification of beneficiaries	31 st Aug 14	RD, GP, Forest Dept.
4	Allocation of stretches	31 st Aug 14	PMGSY, RD, GP, BP, ZP, SHGs/beneficiaries,
5	Training to beneficiaries/Officials, selection of species and Planting of saplings.	31 st Aug 14	Forest Dept., RD, GP, BP, ZP, SHGs/beneficiaries,
6	Watering, Maintenance (as per the schedule)	Sept 2014 – March 15	SHGs/beneficiaries,
7	Training on maintenance, Record keeping	September 14	Selected beneficiaries/SHGs, RD

13. Plan of action for roadside tree plantation for the year 2015-16:

The preparatory activities for a plantation year shall begin one year before. The activities for the plantation year 2015-16 are listed in **Annexure 5**. These activities are to be repeated for each subsequent year.

Roadside Tree Plantation under MGNREGA

Format I

Application for permission to plant on roadsides (Government lands) and for usufruct rights

From

_____ Village

_____ Gram Panchayat

_____ Block

_____ District

To

Executive Engineer (Designated Authority)

_____ District

Sir,

In accordance with the guidelines of roadside tree plantations under MGNREGA, we request permission for tree plantation as per the details given below:

S No	Name of the beneficiary	Job card no.	Location of the land (Description)	Extent of land (area or length)	Species to be planted	Number of Plants

We also request that tree patta, heritable and inalienable usufruct rights may be granted to the above beneficiaries on the trees so raised.

Signature of Secretary
Gram Panchayat (GP)

Date:

Place:

Roadside Tree Plantation under MGNREGA

Format II

Sub: Permission for Roadside tree plantation and allocation of usufruct rights

Date: _____

Order:

In accordance with the guidelines for Roadside tree plantations under MGNREGA given in G.O. Ms. No. _____ Dated _____ and as per the application for permission to plant and grant usufruct rights filed in Format I by _____ GP vide their letter dated _____, permission for plantation has been given to (name of beneficiary) at (location details) for planting (number) of (species of plants) subject to the following conditions:

1. This order does not give any rights on the land specified ownership of which shall remain with Government at all times.
 2. The beneficiary shall plant only the species specified in this order and perform all operations for raising, protecting, watering the trees.
 3. The beneficiary shall reap the usufruct of the trees after they are mature without damaging the trees or the public assets; and if removal of the plant is essential, shall do replantation at his cost.
 4. The beneficiary shall not encroach upon lands, not allotted to him hereunder.
 5. The beneficiary shall not do or attempt to do any activity that would damage the land allotted.
 6. The beneficiary shall not use the land for doing any act prohibited under Law.
2. Further, permission granted can be revoked by the higher authority based on the report of the Programme Officer of MGNREGS and the designated authority for protection of the land if the beneficiary has: (a) not performed his obligations as per the scheme (b) damaged and attempts to damage the land (c) encroached lands of nearby farmers or (d) has done or attempts to do any illegal act on the land. Upon revocation of such permission, the land along with the appurtenant trees and assets if any, will revert to Government and Government can take a decision to reallocate the same to others or use it the way it deems fit.
3. Sri/Smt _____ (beneficiary) shall complete the plantation of trees within 3 months from the date of this order, failing which it automatically ceases to be in operation.

Signature
Designation

To

1. (Beneficiary)
2. Programme Officer MGNREGS _____ Block
3. Secretary _____ Gram Panchayat

Annexure - 1

Model estimate of Nursery work for preparation of seedlings under MGNREGA

* SCHEDULE OF PERSON DAYS FOR NURSERY RAISING

A) Labour component								
S. No.	Items of works	Unit of work	Zone A		Zone B		Zone C	
			Person days	Rates (Rs.)	Person days	Rates (Rs.)	Person days	Rates (Rs.)
1	Clearance of site	Ha	4.11		4.11		4.11	
2	Clearance of Lantana infected areas	Ha	13.7		13.7		-	
3	Digging of soil 25 cm to 30 cm deep two times (New Nursery)	Ha	6.85		8.22		9.59	
4	Digging of soil second time, dressing and leveling (New Nursery)	Ha	17.81		18.49		19.18	
5	Earth work for levelling	Cum	0.21		0.22		0.27	
6	Digging, collection and cartage of soil, sand and manure in a ratio of 4:2:1	100 poly bags. (15cmx10 cm)	0.34		0.41		0.48	
7	Stone walling for making embankment or 'Pushta' in sloping land	Cum	1.23		1.3		1.37	
8	Preparation of nursery beds (3m x 1m)	Bed	0.16		0.18		0.19	
9	Sowing of seed and covering of beds.	Bed	0.02		0.02		0.03	
10	Sieving of soil, sand, removing twigs and green leaves etc. and rubbing the manure with hands for filling in polythene bags	100 bags	0.27		0.34		0.41	
11	Filling of polythene bags with potting mixture and placing them in beds	100 bags	0.34		0.41		0.48	
12	Sowing of seeds in polythene bags	100 bags	0.04		0.04		0.04	
13	Irrigation of nursery beds	Ha	28.77		31.51		34.25	
14	Transplanting of seedlings taken from nursery beds in bags/beds	100 seedlings	0.62		0.62		0.68	
15	Maintenance of nursery including watering, weeding, shifting of plants and replacement of mortality.	20,000 plants minimum	6 months		12 months		18 months	
16	Annual ploughing / digging of nursery beds 25 cm - 30 cm deep (old nursery)	Ha	41.1		45.21		49.32	
17	Preparing germination beds (3 m x 1m) by putting in soil, sand and manure, 7.50 cm thick including cost of manure for ball plants	Bed	0.14		0.16		0.19	
18	Shifting of ball plants							
a)	After 6 months	100 plants	1.03		1.03		1.03	

b)	After 12 months	100 plants	1.64		1.64		1.64	
19	Cost of insecticides	100 plants	0.45		0.48		0.52	
20	Spraying of insecticides, when required (Labour)	20,000 plants	0.5		0.5		0.5	
21	Grading and shifting of seedlings (3 times)	100 plants	1.32		1.32		1.32	
22	Preparing root/shoot cuttings of teak, semal, shisham etc. including digging of plants, making ball plants (complete work)	100 plants	0.41		0.41		0.41	
23	Fixing root / shoot cuttings	100 plants	0.41		0.41		0.41	
24	Preparing branch cuttings of poplar, mulberry, pipal, bargad, gular, salix etc. and planting in beds	100 plants	0.41		0.44		0.48	
25	Planting of root / shoot cuttings	100 plants	0.07		0.07		0.07	
26	Making thatch covers for protection of plants from heat/ frost including cost and cartage of thatch grass and labour	bed 3mx1m	0.14		0.15		0.16	
B)	Material Component (for 20000 plants)							
	Items	Quantity	Rate (Rs)	Amount (Rs)				
1	Cost of seeds	LS						
2	Cost of insecticides for nursery	L.S						
3	Cost of manure	9 cum						
4	Cost of collection of sand for nursery bed preparation	18 cum						
5	Cost of collection of good soil for filling poly bags	35 cum						
6	Cost of Nursery tools	L.S						
7	Cost of polythene bags (15cm X10cm)	20000 nos						
8	Cost of material for shade and fencing	L.S						
9	Display board	L.S				Name of Zone	Altitudinal Range	
10	2 % Contingency of total cost					Zone A - Tropical	upto 1000 m	
						Zone B - Sub-tropical	1000 -1500 m	
						Zone C - Temperate	1500 -2400 m	
			Total					
			G.Total					

*Source of persondays from Forest Works Manual for forestry related works in Uttarakhand, under MGNREGA, 2009. It may vary from State to State.

Schedule of activities for preparation of Nursery under MGNREGA

Month	Schedule of Activities for nursery preparation
Aug	Selection of SHGs or other groups/committees/beneficiaries, by the Gram Sabha, Training to beneficiary group/Officials
Sept	Selection of Nursery site, water source, Preparation of drainage system at nursery, Making nursery sheds with thatch and bamboo, Purchase of nursery tools, FYM, Insecticides, collecting good earth, fencing, cleaning of site & preparation of mother beds, Collection, Treatment, and sowing of seeds, and watering regularly
Oct	Filling up poly bags with FYM (dust & screened), good earth (1:3), weeding, maintenance and watering regularly
Nov	Pricking out seedling from Mother bed and planting in poly bags, Weeding/cleaning beds, maintenance, watering & shade
Dec	Weeding/cleaning beds, maintenance, watering & shade
Jan	Weeding, maintenance, watering & shade
Feb	Shifting polybags, Weeding, maintenance, watering & shade
March	Weeding, maintenance, watering regularly
Apr	Shifting polybags, pruning roots coming out from polybags, Weeding, maintenance, watering & shade
May	Weeding, maintenance, watering regularly
Jun	Shifting polybags, pruning roots coming out from polybags, Transportation of poly bags with plants to plantation sites, Weeding/cleaning beds, maintenance, watering regularly
July	Transportation of poly bags with plants to plantation sites, Weeding/cleaning beds, maintenance, watering regularly
Aug	Transportation of poly bags with plants to plantation sites, Weeding/cleaning beds, maintenance, watering regularly

Schedule of activities for roadside tree plantation

Year	Month	Schedule of Activities for Road side tree plantation
1 st year	Jan	Surveying & clearing of the area, purchase of insecticides.
	Feb	Digging of pits
	March	Digging of pits, Applying insecticides in the dug pit. Procurement of eco-friendly locally available material for fencing or live fencing or opting for social fencing.
	April	Purchase of Farm Yard Manure (FYM), Fertilizers
	May	Filling up of pits with FYM, and soil, Onsite training to beneficiaries/Officials of MGNREGS on how to do plantation.
	June	Transportation of plants and planting of saplings and live fencing, Watering, weeding and hoeing
	July	Transportation of plants and planting of saplings and live fencing, Watering, weeding and hoeing
	August	Transportation of plants and planting of saplings and live fencing, Watering, maintenance
	Sept.	Weeding, hoeing and watering 4 times
	Oct.	Weeding, hoeing and watering 4 times
	Nov	Weeding, hoeing and watering 4 times
	Dec	Weeding, hoeing and maintenance
2 nd year	Jan	Weeding, hoeing and maintenance
	Feb	Weeding, hoeing and maintenance
	March	Watering 4 times.
	April	Watering 6 times
	May	Watering 6 times
	June	Watering 6 times
	July	Casualty replacement (20% of the total plants), weeding, maintenance.
	August	Casualty replacement (20% of the total plants), weeding, maintenance.
	Sept.	Watering 2 times, maintenance
	Oct.	Watering 2 times, maintenance
	Nov	Watering 2 times, maintenance
	Dec	Maintenance
3 rd year	Jan	Maintenance
	Feb	Maintenance
	March	Watering 4 times, maintenance
	April	Watering, maintenance
	May	Watering, maintenance
	June	Watering, maintenance
	July	Casualty replacement (10% of the total plants), watering, maintenance

	August	Casualty replacement (10% of the total plants), watering, maintenance
	Sept.	Watering, maintenance
	Oct.	Watering, maintenance
	Nov	Watering, maintenance
	Dec	Watering, maintenance
4 th year & 5 th year	Jan	Watering, maintenance
	Feb	Watering, maintenance
	March	Watering, maintenance
	April	Watering, maintenance
	May	Watering, maintenance
	June	Watering, maintenance
	July	Watering, maintenance
	August	Watering, maintenance
	Sept.	Watering, maintenance
	Oct.	Watering, maintenance
	Nov	Watering, maintenance
	Dec	Watering, maintenance

Model Estimate for Road side Tree Plantation under MGNREGA

Estimate for 200 plants for five years

District: _____ Block: _____ Gram Panchayat: _____
 _____ (location) to _____ (location)

Spacing _____ mt X _____ mt.Length _____ km.

S. No	Description of work	Unit	No of Person days		
A	Labour component				
Year 0					
1	Survey and demarcation	1 km	1		
2	Site preparation by cleaning, cutting bushes, weeds and its removal	10000 m ²	16		
3	Pit digging (0.45m X 0.45m X 0.30m)	200 pits	25		
Year 1					
4	Filling pits with manure	200 pits	5		
5	Planting seedlings	200 plants	5		
6	Maintenance	Payment based on live plant per month for 200 plants, for five years = (200X12X5) @ 15 per plant	15/plant/month		180000
B	Material component	Quantity		Rate (Rs)	Amount (Rs)
7	Cost of Plant material	200 + 40 + 20 = 260		25 per plant	6500
8	Cost of insecticides and Manure (jeevamrutha)				
8.1	Ist year -once at an interval of 15 days	200X24 times =4800		0.9	4320
8.2	2nd Year - once at an interval of 30 days	200X12 times =2400		0.9	2160
8.3	3rd Year - once at an interval of 30 days	200X12 times =2400		0.9	2160
8.4	4th Year - once at an interval of 30 days	200X12 times =2400		0.9	2160
8.5	5th Year - once at an interval of 30 days	200X12 times =2400		0.9	2160

9	Cost of a water carrying trolley	One trolley	5000	5000
10	Cost of mud pots for irrigation	1 pot per plant = 260	50	13000
11	Fencing (tree guard)	using Bamboo poles or other locally available material for 200 plants	350	70000
12	2 % contingency of Total cost			5837
			Total	297671

***162 is the current unskilled wage rate of Bihar, may vary from State to State**

Pit Size and spacing will depend on the plant species.

Labour component cost will be met from MGNREGA and Material component cost from NHAI (L:M=63:37)

Plan of action for roadside tree plantation for the year 2015-16

S.No	Description of Activities	Month	Agency Responsible
1	Identification of PMGSY roads GP wise	Aug 14	PMGSY-GP/BP/ZP, RD
2	Identification of beneficiaries and Allocation of stretches of PMGSY roads, Training to beneficiaries/ Officials, selection of species	Aug 14	RD, GP, BP, ZP, Forest Dept., PMGSY,
3	Nursery preparation by Beneficiary groups: Selection of Nursery site, water source, Preparation of drainage system at nursery, Making nursery sheds with thatch and bamboo, Purchase of nursery tools, FYM, Insecticides, collecting good earth, fencing, cleaning of site & preparation of mother beds, Collection, Treatment, and sowing of seeds, and watering regularly	Sept 14	Selected SHGs/beneficiaries/RD/GP/BP
4	Filling up poly bags with FYM (dust & screened), good earth (1:3), weeding, maintenance and watering regularly	Oct 14	Selected SHGs/beneficiaries/RD/GP/BP
5	Pricking out seedling from Mother bed and planting in poly bags, Weeding/cleaning beds, maintenance, watering & shade	Nov 14	Selected SHGs/beneficiaries/RD/GP/BP
6	Weeding/cleaning beds, maintenance, watering & shade	Dec 14	Selected SHGs/beneficiaries/RD/GP/BP
7	A. Weeding, maintenance, watering & shade B. Plantation site- Surveying & clearing of the area, purchase of insecticides.	Jan 15	Selected SHGs/beneficiaries/RD/GP/BP/ZP
8	A. Shifting polybags, Weeding, maintenance, watering & shade B. Digging of pits	Feb 15	Selected SHGs/beneficiaries/RD/GP/BP
9	A. Weeding, maintenance, watering regularly B. Digging of pits, Applying	March 15	Selected SHGs/beneficiaries/RD/GP/BP

	insecticides in the dug pit. Procurement of eco-friendly locally available material for fencing or live fencing or opting for social fencing.		
10	A. Shifting polybags, pruning roots coming out from polybags, Weeding, maintenance, watering & shade B. Purchase of Farm Yard Manure (FYM), Fertilizers	April 15	Selected SHGs/beneficiaries/RD/G P/BP
11	A. Weeding, maintenance, watering regularly B. Filling up of pits with FYM, and soil, Onsite training to beneficiaries/Officials of MGNREGS on how to do plantation.	May 15	Selected SHGs/beneficiaries/RD/G P/BP
12	A. Shifting polybags, pruning roots coming out from polybags, Transportation of poly bags with plants to plantation sites, Weeding/cleaning beds, maintenance, watering regularly B. Transportation of plants and planting of saplings and live fencing, Watering, weeding and hoeing	June 15	Selected SHGs/beneficiaries/RD/G P/BP, Forest Dept.
13	A. Transportation of poly bags with plants to plantation sites, Weeding/cleaning beds, maintenance, watering regularly B. Transportation of plants and planting of saplings and live fencing, Watering, weeding and hoeing	July 15	Selected SHGs/beneficiaries/RD/G P/BP, Forest Dept.
14	A. Transportation of poly bags with plants to plantation sites, Weeding/cleaning beds, maintenance, watering regularly B. Transportation of plants and planting of saplings and live fencing, Watering, weeding and hoeing	Aug 15	Selected SHGs/beneficiaries/RD/G P/BP, Forest Dept.
15	B. Weeding, hoeing and watering 4 times	Sept. 15	Selected SHGs/beneficiaries/RD/G P/BP
16	B. Weeding, hoeing and watering 4 times	Oct. 15	Selected SHGs/beneficiaries/RD/G

			P/BP
17	B.Weeding, hoeing and watering 4 times	Nov. 15	Selected SHGs/beneficiaries/RD/G P/BP
18	B.Weeding, hoeing and maintenance	Dec. 15	Selected SHGs/beneficiaries/RD/G P/BP
19	B.Weeding, hoeing and maintenance	Jan 16	Selected SHGs/beneficiaries/RD/G P/BP
20	B.Weeding, hoeing and maintenance	Feb.16	Selected SHGs/beneficiaries/RD/G P/BP
21	B.Watering 4 times.	March 16	Selected SHGs/beneficiaries/RD/G P/BP