

## Field Guide and Activity Calendar for State Green Mission

STEPS	TECHNICAL ASPECTS	PERSONNELS INVOLVED	TIME FRAME	OUTCOME
<b><i>I. Planning and Preparations</i></b>				
1. Conduct GTF meeting	Inform GTF members well in advance of the date. Clearly decide the Agenda	All GTF Members/NO	First Week of March and in second week of April	Decide on the Roads and other Areas for current Phase; Strategy for mobilization of people
2. Identify Roads and locations and Map them with the area	Obtain Road Maps from PWD.  Get the details of Expansion proposal for these Roads.  Survey the Roads and Find out the actual areas available in the field.	Nodal Officer in consultation with GTF/ PWD/ RO/BO	Before Third Week of March	Road Maps Prepared Roads to be taken up for plantation found out. Area Available for Plantations are Known
3. Restoration of Road side lands.	Find out occupied lands with the Help of Ameen/BO  Have discussion with the concerned persons for voluntary restoration.  If not succeeded take help of DFO and Police for further dialogue/process	GTF, DFO (T), Police/ Ameen/ RO/ BO	Continuous Process	More Clear and continuous area available for plantation.  No plantations/ dwarf plantations under unavoidable power/telephone lines.

4. Finalize areas to be taken up for the current phase	<p>Decide on the road and the area to be taken up for current phase in consultation with the DNO and based on the available resources including seedlings, suitable area, labour, etc.,</p> <p>Ascertain the total area to be available for the Mission for the current phase after through field survey considering the steep slopes, rocks, jhoras, etc.,</p> <p>Communicate the decisions to the DNO and CNO</p>	Nodal Officer and the DFO (T), RO/BO	Before Second Week of April	Road and Area to be taken up for plantation in the current phases finalized.
5. Find out Seedling requirement and place requisition with the DFO (T)	<p>Based on area and spacing, calculate the total tree species requirements and the ornamental bushy plants for the finalized areas.</p> <p>Ordinarily 467 tree species and 933 bushes/shrubs per km is estimated. However, calculate as per the requirements of the Road concerned as field situations are different for different roads.</p> <p>Communicate the seedling and the manure requirement to the DNO/CNO</p>	Nodal Officer and the DFO (T), RO/BO	By the end of third Week of April	Total no. of tree seedlings and ornamental bushy plants known.
6. Finalize species to be planted in the areas identified for current phase in consultation with the DNO	<p>Tree Species: Find out species to be planted as cuttings Find Out species to be planted as Saplings</p> <p>Ornamental Herbs: Find out species to be planted as cuttings Find Out species to be planted as Saplings</p> <p>Bulbous Plants Find out the Quantum of bulbous plants and species</p>	NO in consultation with the DNO/ RO/BO		Species of plants for tree, ornamental and bulbous plantations is known including their numbers

<b>II. Plantations</b>				
7. Mark the locations for Pitting for tree and Ornamental Bushes	<p>6-7 feet from the edge of the road. Make 2 meter Stick for measurements.</p> <p>If Space available, two rows plantation on either side of the road. 6 mt space for tree species and 2 mt for ornamental bushes. Maintain 3mt distance in between two rows. Pit digging will be in staggered manner (Center between the two pits of the other row).</p> <p>If the space is less single row plantation to be taken on either side. 3 mt for tree species and 1 mt for Ornamental Bushes.</p> <p>Bulbous and Herbaceous plants to be planted only on up hill side ordinarily. If there are visible clear continuous patch available on the down hill side, bulbous and herbaceous plants can be planted. Mark the area accordingly for bulbous and herbaceous plants.</p>	Nodal Officer/RO/BO/Labourers	Before the end of April	Locations for the Pits for Tree species plantations and ornamental bush plantations are located and marked in the field.
8. Pitting	<p>Pit size:</p> <p>2'x2'x2' = for upto 2.5' height plants</p> <p>3'x3'x3' for 3' plants and other tall plants</p> <p>1'x1'x 1' for bulbous plants</p> <p>3'x3'x3' -for Cuttings</p> <p>Place the dug out soil on the uphill side.</p>	NO/RO/BO/FG/Labourers	Before the end of April	Pitting of the required size is tugged and ready.
9. Trenching	On steep/moderate slopes – contour trenches is made in consultation with DNO/RO	DNO/NO/BO/Labourers	Before First Week of May	Drainage and rain water availability to the plants is facilitated.
10. Total Soil Working	For herbaceous and bulbous plants Proposed only in places where Visible, Appreciable and Conspicuous patches available.	NO/DNO/RO/BO/Laborers	Before fourth week of May	Ares identified for whole beautification with herbaceous plants.

11. Manuring	Obtain manure from the DNO such as Cow Dung/Jungle manures/Compost. Compost pits to be located at various sites Collect dry leaves in the area and put it inside the pits.	NO/DNO/RO/ BO	Before second week of May	The pits are manured with appropriate manure.
12. Planting	<p><b>CUTTINGS:</b> For Erythrina, Populous, Gurpis and Weeping Willow: Size of cutting: 1-2" diameter; 5'-6' height. More than 2' feet should be under the soil while planting. Soil is then filled and moderately compacted. Then water. For other species the height of cutting may be 3-4 feet.</p> <p><b>SAPLINGS IN POLY BAGS:</b> Slowly remove the poly bags without disturbing the root system Keep the plants in the pits up to the level of soil in the poly bags. Then fill the pits with the soil and moderately compact it. Then water.</p> <p><b>Note:</b> No Tree species should be planted below a existing tall trees. Always take the assistance of forest staff while pitting and planting. Give brief training to the persons involved in pitting and planting.</p>	NO/DNO/RO/ BO/Labourers	<p>Cuttings : Erythrina, Populous, Gurpis and Weeping Willow – planted between January and first week of April. Other species after June.</p> <p>Saplings: Generally From May to June/July depending on showers. Conifers, Rhododendron: 2<sup>nd</sup> wk of March to May. Cherry (paiyu): First week of March to 3<sup>rd</sup> Week October. Cherry (Geyzing Type): December – March. Wallnut bareroot: December –March.</p> <p>Ornamental bushes and bulbous plants: Before May.</p>	All species are planted and watered.
13. Aesthetic Improvement	Epiphytic orchids over the available trees especially town and attractive area.	DNO/NO/RO/ BO/Labourers	Before July	Orchids planted on the trees and Rocks

14. Make and Display sign Board	Make a Sign board in consultation with the DNO. Mention all the names of GTF and the contact details. Person in-charge of each road with telephone numbers	GTF/NO/DNO	By July	Sign Board is displayed.
<b>Maintenance</b>				
15. Social Fencing	Create Awareness Also give responsibility of protection to the households near to the plants Assign the role to each of Panchayat/JFM/EDC/SHG members a defined stretch for protection Form a Village Protection Committee at ward level headed by the Panchayat member of that ward.	GTF/Panchayat/JFM/EDC/SHG/Labourers	Plantation onwards	Plants protected
16. Watering	Provide water to the plantations Carry using local utensils from near by sources Water gently	GTF/Public/Labourers	At least once every two weeks	Plants are watered and thus survives
17. Weeding	Remove the weeds around the plants Water after weeding.	GTF/Labourers/JFM/EDC	July, September. March: Soil Working around the seedling and Manuring.	Weeds removed, Plants get attention.
18. Casualty Plantations	Dead plants are replaced with the new plants.  Watering and weeding done	GTF/Labourers/JFM/EDC/DNO	During weeding as mentioned above; the dead plants are found out and replaced immediately.	All the locations have surviving plants
19. GTF Monitoring	GTF to Constitute a team for specific area with the participation of NGOs and public	GTF/NGO/Public	August and February	Number and Survival percentage is found out and reported to the Nodal Department.
20. Department monitoring	Nodal Department to constitute One committee for each District for monitoring headed by APCCF with the participation of GTF and NGOs	Department Committee/GTF/NGOs	September and March	Report for each constituency is prepared and communicated to the Government

