



# *Chief Minister's* **Green Manipur Mission**

## *Operational Guidelines*



Government of Manipur  
Forest Department

*"We, the present generation, have the responsibility to act as a trustee of the rich natural wealth for the future generations. The issue is not merely about Climate Change; it is about Climate Justice."*

**- Shri Narendra Modi,  
Hon'ble Prime Minister of India.**

A handwritten signature in black ink, appearing to read "Shri. Jayarami", with a horizontal line extending to the right.

## **Chief Minister's Green Manipur Mission Operational Guidelines**

### **A. Introduction:**

1. Manipur is known for its richness in bio-diversity including endemic flora and fauna, varied topographic and climatic features, cultural heritage etc. The abundance in the diversity of the forests and its resources are attributed to the ideal location of the State at the junction of two world's biodiversity hotspots, the Indo-Myanmar hotspot and the Himalayan hotspot of biological diversity. Out of 34 hotspots across the world, India has four and out of the four, Manipur has two – Himalayan and the Indo-Burma hotspot. Forests of Manipur play a significant role in supporting this rich biodiversity and a pleasant climate in the State.
2. Manipur, having a forest cover of more than 77% of its geographical area, provides invaluable ecosystem services to the people. The green cover acts as green lungs of the State and gives us fresh air. Moreover, they also act as carbon sink i.e. the trees absorb carbon-di-oxide from the atmosphere to prevent rise in temperature and also absorb polluting gases like Carbon monoxide, Sulphur dioxide, etc. and make the atmosphere clean.
3. But, the forests of the State are under tremendous pressure and the green cover is getting lost due to illegal felling of trees by forest mafias, encroachments, frequent Jhum cultivation with shortened cycles, cutting of hills for earth collection, infrastructure development projects, etc. Though the green cover of Manipur has increased by 263 square Km. in the past few years as per report of Forest Survey of India 2017, yet the quality of forest and the density has gone down.
4. Being the custodian of the natural wealth, it is the constitutional and natural duty of the State Government and the people to conserve the green cover of the State for better and healthy life of today's and future generations.





5. The green cover will increase the area under Trees outside Forests (TOF) and would help in contributing the international commitment made by Shri Narendra Modi, Hon'ble Prime Minister of India at Paris Agreement in 2016 wherein India has committed to create an additional carbon sink of 2.5 to 3 billion tonnes of carbon dioxide equivalent through additional forest and tree cover by 2030.
6. The green cover provides shelter to numerous wild species, birds and insects, which play an important role in dispersal of seeds and pollination of crops, and thus improves agriculture production.
7. The green cover regulates temperature of atmosphere by reducing the peak temperature while increasing the lowest temperature. Therefore, improvement in green cover is essential for the State.
8. Forest cover of Manipur particularly in hills plays a crucial role in maintaining water/moisture regime of Manipur soil. The dense tree cover maintains the water quality and its availability for various purposes like drinking water, irrigation etc., in the rivers, streams/fountains of Manipur throughout the year. The loss of forests in hills will dry up our natural water resources.
9. The improvement in Green cover will also play an important role in flood control by reducing the flow of surface runoff, increasing the moisture absorption by soil, recharging the ground water and dried springs in the hills.
10. Manipur lies in the Eastern Himalayan range which is not mature. The soil is loose and very prone to landslides and erosion. Further, the State also falls in Seismic Zone V, and hence prone to earthquakes. The good forest cover will help in retention of soil and check landslides and soil erosion. Moreover, by retaining the top soil, it will maintain the soil fertility.



11. Climate Change mitigation and adaptation is possible only by maintaining the green cover and improving the quality of forests. It will be beneficial for agriculture, health (like Sanitation, drinking water and pollution control) and the energy (Hydro-power) sectors. Forests of Manipur are the major support for rural livelihood and its importance will increase day by day in the present scenario of climate change.

12. Therefore, the State Government has taken an initiative and Shri N. Biren Singh, Hon'ble Chief Minister of Manipur launched an ambitious mission to improve and maintain the Green cover of the State namely, "**Chief Minister's Green Manipur Mission**" on 22<sup>nd</sup> June, 2019 at Sangaithel, Kangpokpi, Manipur.

#### **B. Objectives:**

- Increasing area under Trees outside Forests (ToFs) and green cover by adopting suitable Agro-forestry models on community lands, farm lands and wastelands.
- Devise site specific Agro-forestry models and develop a piece of land of up to 10 hectare in every village with participation of people. The Villages protecting the forests around their area may be considered for 5 hectare more area as an incentive, subject to availability of the land.
- The models should improve green cover and ecosystem services, contribute to the food security and generate alternative income/livelihood of the villagers.
- Involve Village Panchayats/Authorities in implementation of programme to develop a sense of ownership.
- Convergence of schemes/programmes of Forest Department, Agriculture Department, Horticulture Department, MGNREGA etc.



**C. Implementing Agency:**

1. The Forest Department will be the Nodal Department for the implementation of the Chief Minister's Green Manipur Mission.
2. A Nodal Officer at the level of Additional Principal Chief Conservator of Forests in the Department shall be nominated by the Principal Chief Conservator of Forests & Head of Forest Force (PCCF & HoFF), Government of Manipur for supervision of the Mission implementation.

#### D. Implementation of the Mission:

1. The project will be implemented on community lands, farm lands and wastelands owned by the community or villagers. No forest land will be used for the purpose.
2. The Forest Department will constitute a team under Territorial Divisional Forest Officer (DFO) in each District with District Agriculture Officer and District Horticulture Officer for implementation of the Mission in each District. The team shall also provide technical inputs to the Village Panchayat/Village Authority or their duly nominated agency.
3. The implementation will be done through Village Panchayat/Village Authority or any other registered and recognized expert agency duly authorized by the Village Panchayat/Village Authority.
4. Village Panchayat/Village Authority will be solely responsible for the protection, management and maintenance of the agro-forestry plantations.
5. A proposal will be submitted by the Village Panchayat/Village Authority or their duly nominated agency in the prescribed format to the Divisional Forest Officer of the District latest by March-April every year.

Dr. Angami



6. The proposal will be approved by the District level Team headed by the DFO within a period of 3 (three) weeks subject to availability of funds at his disposal.
7. The Mission's fund will also be used for raising nursery for tree species both forestry and horticulture, by the Forest Department.
8. The site details including geo-coordinates, works executed by the Village Panchayat/Village Authority or their duly nominated agency will be uploaded by the DFO on Government Portal – DARPAN or any other Portal as prescribed.
9. Any additional activity in such projects like development of Open Gymnasium or similar non-forestry activities, would be taken up by the Department of Youth Affairs and Sports or concerned line Department including the funding.

#### **E. Suggested Agro-forestry Model and Species Combination:**

##### **I. For Hill Districts of Manipur:**

<b>Agro-forestry model</b>	<b>Agriculture component</b>	<b>Horticulture component</b>	<b>Forestry component</b>	<b>Remarks</b>
Agri-silviculture model	<ul style="list-style-type: none"> <li>Rice</li> </ul>	--	<ul style="list-style-type: none"> <li>Yongchak</li> <li>Pareng</li> <li>Walnut</li> <li>Wang</li> <li>Heitup</li> <li>Heikru</li> <li>Tejpata</li> <li>Ushingsha</li> <li>Manahi</li> <li>Nonganghei</li> <li>Motok-hei</li> <li>Ficus spp</li> <li>Bamboo</li> </ul>	<ul style="list-style-type: none"> <li>Species like Tejpata, ushingsha &amp; Heitup will be favourable for Ukhrul and Kamjong districts.</li> <li>Nonganghei &amp; Motok-hei are naturally found in Tamenglong and Noney District, it may be opted as a component for this district.</li> <li>Alocasia, Colocasia, Banana, turmeric &amp; U-morok grow well in Tamenglong.</li> <li>Ginger &amp; banana grow</li> </ul>
Agri-horti-silviculture model	<ul style="list-style-type: none"> <li>Maize</li> <li>Pulses</li> </ul>	<ul style="list-style-type: none"> <li>Alocasia</li> <li>Colocasia</li> <li>Cabbage</li> <li>Potato</li> </ul>	<ul style="list-style-type: none"> <li>Yongchak</li> <li>Heimang</li> <li>Pareng</li> <li>Walnut</li> </ul>	



		<ul style="list-style-type: none"> <li>• U-morok</li> <li>• U-mangra</li> <li>• Banana</li> <li>• Orange</li> <li>• Lemon</li> <li>• Plum</li> <li>• Apricot</li> <li>• Naspati</li> <li>• Turmeric</li> <li>• Ginger</li> </ul>	<ul style="list-style-type: none"> <li>• Wang</li> <li>• Tejpata</li> <li>• Ushingsha</li> <li>• Manahi</li> <li>• Nonganghei</li> <li>• Motok-hei</li> <li>• Ficus spp</li> <li>• Bamboo</li> </ul>	<p>well in Churachandpur &amp; Pherzawl.</p> <ul style="list-style-type: none"> <li>• Potato, plum, apricot &amp; yongchak grow well in Senapati &amp; Kangpokpi.</li> <li>• Walnut, Tejpata &amp; bamboo grow well in Chandel &amp; Tengnoupal.</li> </ul>
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• For Valley Districts of Manipur:

Agroforestry model	Agriculture component	Horticulture component	Forestry component	Remarks
Agri-siviculture model	<ul style="list-style-type: none"> <li>• Rice</li> </ul>	--	<ul style="list-style-type: none"> <li>• Mangge</li> <li>• Chorphon</li> <li>• Yongchak</li> <li>• Tejpata</li> <li>• Chigonglei</li> <li>• Mukthruhi</li> <li>• Heibi</li> <li>• Heirikhagok</li> <li>• Theibong</li> <li>• Heibung</li> <li>• Heikru</li> <li>• Ficus spp</li> <li>• Bamboo</li> </ul>	--
Agri-horti-silviculture model	<ul style="list-style-type: none"> <li>• Maize</li> <li>• Pulses</li> <li>• Sugarcane</li> </ul>	<ul style="list-style-type: none"> <li>• French bean</li> <li>• Cucurbits (sebot, mairan, karot akhabi, etc.)</li> <li>• Heinou</li> <li>• Pungdon</li> <li>• Cabbage</li> <li>• Potato</li> <li>• U-mangra</li> <li>• Banana</li> <li>• Lemon</li> <li>• Naspati</li> <li>• Turmeric</li> <li>• Ginger</li> <li>• Chuchurangmei</li> <li>• Kabrangchak</li> </ul>	<ul style="list-style-type: none"> <li>• Mange</li> <li>• Chorphon</li> <li>• Yongchak</li> <li>• Tejpata</li> <li>• Chigonglei</li> <li>• Mukthruhi</li> <li>• Heibi</li> <li>• Heirikhagok</li> <li>• Theibong</li> <li>• Heibung</li> <li>• Heikru</li> <li>• Ficus spp</li> <li>• Bamboo</li> </ul>	--

*Dr. D. D. D. D.*



#### **F. Funding Pattern:**

1. The Funds will be approved at the rate of Rs. 75,000/- (Seventy five thousand) per hectare for the agro-forestry model (including cost of forestry, agricultural and horticultural operations) for advance works and final works.
2. In addition, Rs. 5,000/- (Five thousand) per hectare per year will be provided for protection, management and maintenance of the area. This additionality will be only for 3 (three) years excluding the year of plantations.
3. The funds will be released by the DFO through **electronic transfer** in the account of the Village Panchayat/Village Authority.
4. Funds will be released in 2 (two) installments to the Village Panchayat/Village Authority.
5. Ist installment will be released to the Village Panchayat/Village Authority or their nominated agency after site selection and advance works done like site preparation, cleaning of area and digging of pits etc. by them.
6. IInd installment will be released to the Village Panchayat/Village Authority or their nominated agency after execution of works.
7. The costs for protection, management and maintenance will be released by the DFO every year for a period of 3 (three) years.

#### **G. Fund flow:**

1. There shall be a special fund "Chief Minister's Green Manipur Mission Fund" created by the State Planning Department.
2. The Planning Department shall allocate specific funds for the purpose annually. It shall be exclusive of the annual budget allocated to the Forest Department for regular works.



3. A Saving account in a Nationalized Bank shall be open in the name of "Chief Minister's Green Manipur Mission Fund" which shall be jointly operated by the PCCF & HoFF, Manipur and the Nodal Officer in the Forest Department.
4. State Planning Department and Finance Department shall transfer the entire fund earmarked for a particular year to account opened for the purpose in the month of April every year.
5. The interest earned on the account shall be ploughed back for the implementation of the Mission.
6. Initially, for the year 2019-20, Rs. 5.00 crore may be allocated for the purpose.
7. As soon as the funds are received in the account, the PCCF & HoFF, Manipur will transfer the funds through RTGS/ NEFT to the exclusive saving account of the concerned DFO opened in a Nationalized Bank in the District in the name of "Chief Minister's Green Manipur Mission Fund".

#### **H. Review and Monitoring:**

1. Initially the Mission will work for a period for 5 (five) years starting from 2019-20.
2. The Mid-term review will be done in the 3<sup>rd</sup> year of the Mission.
3. Concurrent monitoring will be done by a team of concerned Chief conservator of Forests, Conservator of Forests, Director/ Agriculture Department and Director/ Horticulture Department. Such monitoring shall take place twice in a year.
4. Annual monitoring will be done by a Committee headed by PCCF & HoFF with Nodal Officer in the Forest Department, CCF/ Administration &



Planning, Director/ Agriculture Department and Director/ Horticulture Department on random sampling basis which shall not exceed 5% of the total Project taken in that particular District.

5. Annually the best performing Village Authority/ Panchayat will be suitably awarded by the Hon'ble Chief Minister, Manipur on the recommendation of the Committee headed by PCCF & HoFF, Manipur. The cost of this award will be borne out of the fund, which shall not exceed Rs.1.00 lakh in any case.
6. The scheme may be further extended after the evaluation done through an independent reputed Agency. The cost for the evaluation shall be borne out of the fund.

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