II- INTRODUCTION

This Management Plan of Nagpur Forest Project Division envisages scientific management of the entire forest area, which has been transferred to Nagpur Forest Project Division vide Government Resolution No. FDC/1074/64746/F-5 dated 27th June 1978, FLD/1087/2462 G.R. 347/F2 dated 06.09.1990 and GR No. FDC2006/Pra.Kra. 32/F-5, dated 17.10.2007. The Management Plan has been prepared for a period of ten years w.e.f. 2026-27 to 2035-36. It replaces the previous plan prepared by Shri R.K.Tiwari , Divisional Manager, Forest Project Division, Nagpur for the period of 2015-2016 to 2025-2026. The total area of the division considered for the present Management Plan is 22108.72 ha. which is distributed into 87 compartments of Reserved Forests and Protected Forests and lying between latitude of 20^0 35' to 21^0 44' North and longitude of 78^0 15' to 79^0 40' East.

This Management plan shares the National Vision of Sustainable Management of Forest to meet the needs of present and future generations. The concept of sustainability in forest management implies not only sustainability of productive functions but also environmental functions (soil and water conservation, carbon sequestration etc.) and socio-economic benefits (meeting livelihood and basic needs) to forest dwellers and other forest dependent communities. Environment of forest fringe communities in the protection and management of forest resources through micro plans and eco-development plans has become imperative and must find linkages to the Management Plan.

This Management Plan for Nagpur Forest Project Division has been prepared as per the guidelines of the Government of India contained in the National Working Plan Code, 2023 and broadly follows the National Forest Policy of 1988 and Maharashtra State Forest Policy 2008 with emphasis on conservation, preservation and protection of Forests, Wildlife and Environment in a holistic manner.

III- EXECUTIVE SUMMARY ALONG WITH A BRIEF OUTLINE OF MANAGEMENT PRESCRIPTIONS.

a) VISION STATEMENT:

Production forestry with biodiversity conservation and sustainable management of forests to meet the needs of present and future generations.

Recorded Forest Area of Nagpur Forest Project Division					
Particulars	No. of Forest Blocks for R. F. &Villages for P.F.	Reserved Forest (R.F.)	Protected Forest (P.F.)	Other Forest	Total area proposed in the plan (ha.)
Area	Blocks = 7	13719.39	8389.33	--	22108.72
No. of comptts.	Villages = 52	56	31	---	87

b.) : GOAL AND OBJECTIVES OF MANAGEMENT:

The following are the goal and objectives of management.

1. To enhance the productivity of the area by converting low value forests into valuable teak stands.
2. To maintain perpetual growth in the teak plantation throughout their growing phase by carrying out silvicultural operations.
3. To improve the quality and productivity of the existing crop by improvement felling, tending operations in favour of valuable species and supplemental plantations wherever necessary.
4. To restore the vegetation cover of the degraded and open area by site protection and tending of National Regeneration, supplementing it with plantations of desired species wherever necessary.
5. To enhance the productivity of bamboo areas.
6. To protect, conserve and enhance the wildlife and its habitat in the managed forests.
7. To promote non-Timber uses of forests such as Ecotourism, Non-Timber Forest Product, Medicinal Plants and enhancing Biodiversity.
8. To conserve Soil and Water Resources for ecological and environmental stability by effective monitoring.

c) SWOT ANALYSIS FOR ACHIEVING THE GOAL AND OBJECTIVES OF MANAGEMENT.

The Strengths: -

1. Land bank of scientifically managed forests.
2. Assured rainfall area.
3. Scope for wasteland development.
4. Annually about 170 ha. is available for production forestry.
5. Series of successful teak plantation for intermediate revenue.
6. Substantial employment generation in rural areas through forestry operations.
7. Balanced wildlife habitat management resulting in adequate population of the wildlife in the forests.
8. Efficient and young dynamic trained staff.
9. Awareness of modern tools and technology.

The Weakness:-

1. Predominantly the forest is of site quality IV.
2. Heavy biotic pressure on regeneration of forest and natural resources.
3. Out of total area, about 20% areas is degraded where Natural Regeneration is very poor.
4. Labour shortage due to industrialization.
5. Increasing withdrawals from forest for livelihoods.

The Opportunities :-

1. Streamlined forest management practices.
2. Providing livelihood opportunities through forestry activities.
3. Developing ecotourism destinations to involve local communities.
4. Sufficient rainfall in division. (1200 mm)
5. Marginal forests area under production systems.
6. Financial monitoring making administration stronger and transparent.

The Threats:-

1. Lack of trained staff to handle modern technologies.
2. Increasing population pressure on forest.
3. Forest and wildlife being threatened by organized gangs.
4. Lack of funds to nourish opportunities.
5. Forest protection from fire, grazing, encroachment, illicit felling etc.
6. Soil erosion and Damage by Insects, Parasites and climbers.
7. Migration of labour to urban area.

The Strategies: -

1. Production forestry with biodiversity conservation.
2. Productivity enhancement of forest through enrichment plantations, generation of higher biomass and better protection.
3. Expansion and development of tree cover outside forest area through turnkey plantations.
4. Conservation of environment and the ecological stability through soil and moisture conservation works.
5. Facilitate sustainable harvesting collection, processing, marketing and generation of NTFP's and MAP's.
6. Wildlife and its habitat conservation, protection and development works.
7. Consolidation of boundaries.
8. Village development activities through FDCM CSR fund.

d.) PROPOSED MANAGEMENT: The following Exclusive/Teritorial & Overlapping Working Circles/treatments care are prescribed to achieve the goal and objectives.

Abstract of Proposed Working Circles

Sr. No.	Name of working circles	Area in Ha.	No. of Comptts.	Percentage
1	Teak Plantations Management Working Circle	7770.97	69	35.15%
2	Conversion Working Circle (CWC)	1713.16	37	7.75%
3	Improvement Working Circle	4770.05	48	21.58%
4	Afforestation Working Circle	4503.94	46	20.37%
5	Planting Stock Improvement Working Circle (Seed plot Area)	228.99	8	01.04%
6	Protection Working Circle	2517.51	73	11.39%
7	Miscellaneous Regulations	604.10	39	2.73%
	Total:	**22108.72**	**87**	**100.00%**

8	Bamboo Production (Overlapping) W.C.	(22108.72)	(87)	100%
9	Wildlife Management (Overlapping) W.C.	(22108.72)	(87)	100%
10	Medicinal, Aromatic, Commercial and Industrial Plant (Overlapping) W.C.	(22108.72)	(87)	100%
11	Non-Timber Forest Produce (Overlapping) W.C.	(22108.72)	(87)	100%
12	Soil and Water Resource Management (Overlapping) W.C.	(22108.72)	(87)	100%

1. **Teak Plantation Management Working Circle:** All successful teak plantations are included in this working circle.
2. **Conversion to Uniform system with Supplemental Artificial Regeneration Working Circle:** The untackled areas of Natural standing Crop suitable for raising teak plantations and failed patches in the teak plantations raised under various schemes are included in this working circle.
3. **Improvement Working Circle:** Forest areas capable of producing medium to large sized timber, poles and firewood but not considered fit for harvesting due to preponderance of young crop has been included in this working circle.
4. **Afforestation Working Circle:** The open forest areas having density less than 0.4 and with rootstock and shrubby growth as well as open forests without rootstocks where artificial regeneration appears necessary to restore productivity are included in this working circle.
5. **Protection Working Circle:** This includes unworkable areas on account of steep and precipitous slopes, strips along nallas, unworkable patches, rocky portions and encroachment area are included in this working circle.
6. **Planting Stock Improvement Working Circle:** This includes nurseries, Seed Stands and Seed Production Areas of successful teak plantations and Seed Orchards raised from identified teak clones.
7. **Miscellaneous Regulations :** The treatment of areas reserved for timber and firewood depot, staff colonies and areas under waterbodies, roads etc are included in this regulation. Also, general prescriptions not covered under any working circle but necessary to tackle any exigencies arising in any part of the division are included in this chapter.

Besides above, five Overlapping Working Circles are also proposed.

1. **Bamboo Production (Overlapping) Working Circle:** This includes entire areas of division including areas where bamboo, natural or planted, silviculturally mature is available for harvesting.
2. **Wildlife Management (Overlapping) Working Circle:** It overlaps the entire area of the division and aims at ensuring the wildlife conservation and development activities.
3. **Medicinal, Aromatic, Industrial / Commercial Plants (Overlapping) Working Circle:** It overlaps the entire area of the division and aims at ensuring conservation and sustainable harvesting of MAP.
4. **Non-Timber Forest Produce (Overlapping) Working Circle:** It overlaps the entire area of the division and aims at ensuring conservation and sustainable harvesting of NTFP.
5. **Soil and Water Resource Management (Overlapping) Working Circle:** It overlaps the entire area of the division and aims at soil and moisture conservation works.

e.) THE MAIN FEATURES OF THE PRESENT PLAN ARE:

1. The Draft Preliminary Management Plan Report was prepared by the undersigned and presented before the State Level Committee on 05.05.2025. Thereafter, the PMPR of Nagpur Division was approved by the Committee subject to the incorporation of suggestions made by the Members. In the meeting it was emphasized that the Plan of Nagpur Division needs to be reoriented in some aspects of National Working Plan Code, 2023. Subsequently, the meeting of Standing Consultative Committee was held on 26.02.2026 for the approval of DMPR of Nagpur Forest Project Division which was accorded on 02/04/2026 subject to some suggestions.
2. The plan has been prepared as per the guidelines of the Government of India contained in the National Working Plan Code, 2023.
3. For revision of this plan and to write up the plan for all these areas, the field works (Enumeration & stock mapping) were started during the year 2024-25

& completed in the next year 2025-26. Enumeration of the forest crop has been done by field staff. Growing stock has been assessed compartment wise based on the standard technique as per NFI design of NWP 2023 of resource survey assessment laying out concentric circular sample plots of 1.13 ha. The analysis of the tree enumeration data was done with the help of computer software in the Division office. Stock mapping was done by field staff and wherever needed ground truth verification was done by Assistant Manager & Divisional Manager.

4. Biomass of the growing stock has been assessed and the carbon sequestration value of the entire forest has been evaluated with GPG default value for carbon content of living biomass.
5. Biodiversity of the forest has been documented.
6. The Management plan has been completed in time inspite of constraints faced during writing of plan are as under.

- FDCM does not have separate wing for preparation of management plan, hence, the undersigned himself with the able support of his staff has written the plans while performing his day to day duties.
- Writing of Management Plan as per New Working Plan Code 2023 was challenging task, as existing field staff of this division was not that well conversant to the New Working Plan Code.
- Lack of expertise to deal with caring out various types of survey, laying of sample plot. There is no facility of GIS mapping software and trained IT staff for creating interface between field data and plotting digital data.
- Acute shortage of staff.