



DOCUMENTATION OF ACHIEVEMENTS UNDER NAGAR VAN YOJANA

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MESSAGE

It gives me immense pleasure to present this book, which highlights the remarkable achievements of the Nagar Van Yojana. This initiative has played a vital role in transforming urban spaces into thriving green ecosystems, fostering biodiversity, and enhancing the quality of life.

I would like to extend my heartfelt appreciation to the officers and teams who have carried out these impactful works under their respective jurisdictions. Their dedication, hard work, and commitment to creating sustainable urban environments have been instrumental in the success of this project. Their efforts not only serve as an inspiration but also as a testament to the power of collaboration in achieving lasting environmental change.

Additionally, I would like to express my gratitude to the teams who have worked diligently in compiling this book. Their meticulous attention to detail and creative effort has been crucial in capturing the essence of the Nagar Van Project's achievements and presenting them in a meaningful way.

I hope this work inspires continued action and encourages further progress towards a greener, healthier future.



(VANLALNUNPUII HMAR)
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INTRODUCTION

The Ministry of Environment, Forest and Climate Change (MoEF&CC) is focused on enhancing forest quality and increasing tree cover for maximizing carbon stock as well as to tackle the ill effects of urbanization. With a view to achieve these objectives, Ministry has taken many initiatives to bring out transformational changes in our policies and programmes and implement several initiatives with the peoples' participation.

The Nagar Van Scheme was initiated during June, 2020-21 during 'World Environmental Day' Celebrations. The implementation of the revamped "Nagar Van" Scheme, from the Nagar Van Udyan Yojana implemented during 2015, aimed to develop 'Nagar Vans' across the country in next five years. The Scheme is revised with a renewed focus on peoples' participation, and is to be implemented in collaborative mode by various agencies. The primary objective is to create forest/green spaces in urban areas, by protecting forest/non-forest land within cities/towns or its vicinity from degradation and encroachment. The scheme is designed to actively engage local residents and different agencies in

developing bio-diverse forests for social and environmental benefits in an urban landscape.

A. Vision: To create *Nagar Van/Nagar Vatika* in each City having Municipal Corporation/ Municipal council/Municipality/Urban Local Bodies(ULBs) for providing wholesome healthy living environment for the residents and thus contributing to growth of clean, green, healthy and sustainable cities.

B. Objectives:

1. Creating green space and aesthetic environment in an urban set up.
2. Creating awareness about plants and biodiversity and developing environment stewardship.
3. Facilitating *in-situ* conservation of important flora of the region.
4. Contributing to environmental improvement of cities by pollution mitigation, providing cleaner air, noise reduction, water harvesting and reduction of heat islands effect.
5. Extending health benefits to residents of the city and
6. Helping cities become climate resilient.

C. Guidelines for implementation of Nagar Van/Vatika Yojana

A Nagar Van/Nagar Vatika is/will be a forested area in the city or in its vicinity. Nagar Van/Vatika should be accessible to the city dwellers/general public, and will be suitably managed for providing wholesome natural environment for recreation, education, biodiversity conservation and supported services like water and soil conservation, pollution abatement, reduction of heat islands effect of the city with the essential elements for regular use.

C.II Components of Nagar Van/Nagar Vatika

Following items of work may be undertaken in a Nagar Van/Nagar Vatika -

1. Fencing of the area.
2. Establishment and maintenance of woodlots/tree cover with emphasis on locally appropriate tree/shrub species.
3. Theme based plantations, like Smriti Van, Rashi (Nakshatra) Van, etc.
4. Plants to include ornamental trees, shrubs and climbers, medicinal plants, flowering plants, fruit trees etc. to represent floral biodiversity.
5. Irrigation/ rain water harvesting facility.
6. Establishment and maintenance of public conveniences, drinking water facilities, benches, walkways/ footpath, jogging and cycle track etc.
7. Establishment and maintenance of Information and extension centre including I&E kiosk, display boards, signage, information brochures etc.

C.III Formulation of proposal & its approval

1. A detailed project proposal for establishment and maintenance of Nagar Van/Nagar Vatika shall be formulated by the concerned implementing agency having possession of the proposed land.
2. The implementing agency shall submit the proposal to State Forest Department (SFD) and the SFD after due scrutiny will forward the proposal to National Afforestation and Eco-development Board (NAEB) in the Ministry of Environment, Forest and Climate Change, Govt. of India, for further consideration.
3. The proposal should include:
 - a) Details of land identified for Nagar Van/Nagar Vatika, along with KML Map of the area on 1:10,000 or larger scale with clear boundary description (GPS coordinates).
 - b) A development cum Management Plan with year wise details of works under different components along with item-wise cost.
4. Implementation of the scheme and its monitoring at state level shall be the responsibility of the SFD.
5. A Project Management Unit (PMU) will be set up in the NAEB, MoEF&CC for coordinating, monitoring, publicity and training of staff in urban greens management under the Scheme.

D. Targets under the scheme

1. The scheme envisages development of 400 Nagar Vans and 200 Nagar Vatikas across the country during the period 2020-21 to 2024-25. An endeavour would be made to identify 400 such Nagar Vans/Vatikas by 2023 as a part of Bharat Ka Amrit Mahotsava.

2. Project proposals from SFD will be considered on a first come first serve basis. However, efforts would be made to spread the Nagar Van/Nagar Vatika at least one in each city of the country.

E. Fund transfer mechanism under the scheme

1. NAEB, on receipt of project proposals for establishment of Nagar Van/Nagar Vatika from SFDs, will examine the same, and present it to the National Authority for release of funds. Each SFD project may be serially numbered. National Authority shall release funds as grant, as per Compensatory Afforestation Fund Act, 2016 and Rules made thereunder, directly to respective SFDs.
2. The Ministry will provide one time grant to the concerned State Government / land owning implementing agency based on the work requirement to the maximum Grant of Rs. 2.00 crores per Nagar Van/Vatika and @Rs.4.00 lakhs per ha.
3. The grant will be released in two instalments, first instalment of 70% of the sanctioned amount will be released to SFDs after the approval of the project by National Authority (NA) and remaining second instalment after 60% utilization of the first instalment and on submission of utilisation certificate and progress report.
4. For meeting the requirement of additional funds, the respective Agency should make necessary provisions for funding in advance. State/ UT Governments/ implementing agency can arrange funds from various resources including CER/CSR funds. Each implementing agency will, however, maintain record of funds received from various agencies and expenditure incurred against that. A commitment to bear the balance cost of the Project should be enclosed with the proposal.

5. Funding Pattern:

- (a) The funds of Rs. 2.0 crore will mainly cover the following:
 - i. Cost of fencing
 - ii. Soil-moisture conservation measures and related activities
 - iii. Administrative cost
 - iv. Plantation and Maintenance cost of plantation
- (b) NGOs, Corporate bodies, Industries, Civil Societies, urban Local Bodies may also be involved and contribute for developing other components, like:
 - i. Plantation including raising of nursery/sapling, composting, landscaping and tree planting and its maintenance.
 - ii. Other essential items including Public convenience, Signage, Jogging Track, Nature trail / Footpath, Benches.
 - iii. Special components like arboretum/bamboosetum/ herbal/medicinal plants, etc.
6. Use of locally available material, energy conservation and waste recycling will be encouraged.
7. The M & E cost will be released to SFD for monitoring of the progress of the project. Each SFD will be allowed to engage one technical consultant at a cost of Rs. 40,000/- per month

till the completion of the project for monitoring and other works and will also be given Rs.50,000/- per project as lump sum grant for M & E and meeting overhead expenses.

8. The implementing agencies may ensure sufficient revenue generation for maintenance and upkeep of the Nagar Van/Nagar Vatika. For revenue generation economic activities like sale of seedlings/saplings, value added/processed forest products, sale kiosks, recreation facilities, organizing fairs and festivals etc. with the involvement of local people may be promoted.

F. Monitoring

1. The agency involved in developing Nagar Van/Nagar Vatika will furnish Quarterly progress report and will also prepare comprehensive annual report of all activities, accompanied with photos, every year by December and submit it to the SFD for monitoring. These reports will also be sent to NAEB through PCCF/ SFD for further evaluation and consideration for release of funds for the next year. A completion report of the project also to be sent to NAEB through the same channel for monitoring and evaluation.
2. SFD will also carry out monitoring of the progress and completion of activities under the scheme and submit report.
3. A Project Management Unit (PMU) will be set up in NAEB, MoEF&CC for coordinating, monitoring and publicity of the Scheme by engaging technical consultant and attendant to operate the PMU. The PMU operation, third party monitoring and evaluation, preparation and publication of documents/ films etc. will be done through empanelled agencies of NAEB. The expenditure on the aforementioned functions of PMU will be met from the National Fund. NAEB may engage empaneled Regional Centres (RCs) of NAEB for monitoring and evaluation, for facilitating operations of PMU etc. The funds required for PMU operations may be routed through RC as and when required for ease of disbursement.

G. Scheme Budget

The scheme will be fully funded by the National Fund under CAMPA, and its implementation will be governed by general and specific conditions (to this scheme) for similar works undertaken from the National Fund under CAMPA. The tentative cost of the scheme (2020-21 to 2024-25) is given below:

Total Cost

Sl. No.	Item of Works	Estimated Cost (Rs. in crore)
1	Nagar Vans (Total 400 in number) Nagar Vatikas (Total 200 number)	800.00 80.00
2	Grants to States/ SFDs (engagement of technical consultants, lump sum grant for monitoring and overhead expenses)	9.54
3	Operations of Project Management Unit, Monitoring and Evaluation, Workshops/	

Seminars, Publicity, Publication of report, Films and other Administrative expenses etc. for NAEB.	5.00
Total	894.54 Crore (Say Rs. 895.00 crore)

Annual requirement of funds shall depend on the proposals received from states however it is expected to be about Rs.150 to Rs. 200 crores for the above scheme.

H. Expected Scheme Outcomes

A Nagar Van/Nagar Vatika is expected to have following outcomes:

1. Improved air quality, pollution abatement, carbon sequestration, reduction in temperature and urban heat island effect, water and soil conservation.
2. Creation of a green space having aesthetic value with cooling and calming effect on the minds of people.
3. Development of green spaces may also make cities climate resilient besides providing ecosystem services.
4. Indirect effects could be promotion of tourism and expansion of business and trade thus improving local economy.
5. Urban forests could offer several positive community physical and mental health benefits.

About Nagar Van Yojana (NVY)

The Pilot Scheme of Nagar Van Yojana (NVY) was started in 2020 with some modifications in existing Nagar Van Udyan Scheme during launched in 2015. From the experience gained in its implementation and discussion held with the States/ UTs from time to time, it has been observed that it is very difficult to find forest land within Municipality limit and that too in the extent of minimum 10 ha, which resulted in slow implementation of Scheme.

The Nagar Van Yojana (NVY) has, therefore, been reviewed to bring more area under the scheme and to reach out to all cities with Municipality. The Revised Nagar Van Yojana aims at developing 400 Nagar Van and 200 Nagar Vatika with the objective to significantly enhance the tree outside forests and green cover in cities leading to better environment, enhancement of biodiversity and ecological benefits to the urban and peri-urban areas apart from improving quality of life of city dwellers.

The salient features of the revised scheme are as under:

1. All cities with Municipal Corporation / Municipalities/Urban Local Bodies (ULB) are proposed to be covered under the scheme.
2. For Nagar Van minimum area limit is 10 ha to any size, but the grant will be limited to a maximum of 50 ha.
3. In congested part of the cities minimum 1 ha to 10 ha can be taken up as Nagar Vatika.
4. Nagar Van site can be up to 5 km distance from the city limit, taking into account future expansion of cities and provide greener surroundings.
5. Area other than forest land can also be considered.
6. The Scheme proposes development of 400 Nagar Van and 200 Nagar Vatika in four years i.e. 2021-22 to 2024-25.
7. Municipal Corporation/ Municipalities/ULBs and other Land owning agencies can also submit proposals through concerned State Forest Department for financial assistance.
8. Development and Management of Nagar Van and Vatika should encourage PPP mode with active participation of people, students and other stakeholders.
9. Selection of trees should be from the species best suited for local conditions with emphasis on enriching biodiversity, planting of fruit bearing, medicinal plants species to attract birds, butterflies etc., enhancing ecological values and pollution abatement.
10. All Nagar Van/ Vatika must be open to public subject to suitable restrictions.
11. At least two third area of Nagar Van/ Vatika must be under tree cover/wood lands. Nagar Van/ Vatika may include components of Biodiversity Park, Nakshatra Van, Butterfly Conservatory, Waterbody, Smriti Van and Herbal Garden etc. to attract people and help in in-situ conservation of biodiversity.
12. The financial assistance component remains the same i.e. Rs. 4 lakh per Ha.

The above modifications have been incorporated in the guidelines appropriately.

AIZAWL FOREST DIVISION

AIZAWL

1. **Name of State/District/City** : Mizoram/Aizawl District/Aizawl City
2. **Nagar Van/Vatika location** : College Veng, Bethlehem Vengthlang
3. **Area in ha.** : 50 Ha.
4. **Nature of Land (Forest/Non-Forest/Public/Private)** : Private Land
5. **Plantation details** :
 - a. No. of Species planted : 75 nos. (Van Mahotsava Celebrations as part of 'Azadi Ka Amrit Mahotsav')
 - b. Name of Species planted :
 - 1) *Delonix regia*
 - 2) *Mesua ferrea*
 - 3) *Michelia champaca*
 - 4) *Lagerstroemia speciosa*
6. **Cost of the project:**
 - a. Total approved cost of the project : Rs. 200.00 lakh
 - b. Received amount : Rs. 142.03 lakh
 - c. Utilized amount : Rs. 142.03 lakh
7. **Progress details description:** Out of Rs.200.00 lakh of the project cost Rs.142.03 lakh has been received as 1st installment The said fund has been utilized for construction of Boundary Fencing with Brick Wall and Angle iron Post with Barbed Wire for 1238.93 metres at Pachhunea University College, Forest Training School and Forest Research Centre for Bamboo & Rattan.

FINANCIAL AND PHYSICAL PROGRESS DETAIL:

Implementing agency: Aizawl Forest Development Agency Other Agency involved (if any):

Sl. No.	Item of works	Target		Achievement		Remarks
		Phy.	Fin. (in lakh)	Phy.	Fin. (in lakh)	
1	Construction of Boundary Fencing with Brick Wall and Angle Iron Posts with Barbed Wire	1415.93m	160	1238.93m	140.00	
2	Construction of Rain Water Harvesting Tank (50000 litres capacity) @ Rs.12.00 lakh/no.	3 nos.	36.00			
3	Administrative Cost for SFDA and Implementing Agencies (including monitoring of works)	LS	4.00		2.03	
Total			200.00	1238.93m	142.03	

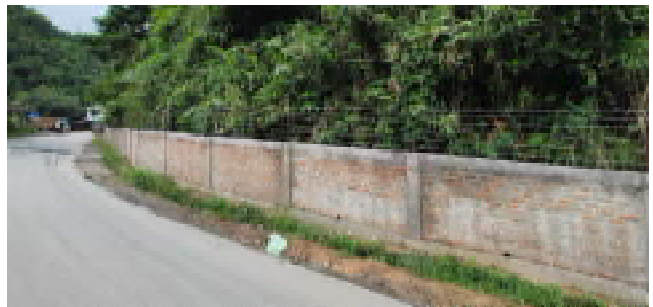
QUARTERLY PROGRESS REPORT

1. **Name of State/District/City** : Mizoram/Saitual District/Saitual Town Dokunga
2. **Nagar Van location** : Lo zawl, Saitual Town, Saitual District
3. **Area in ha.** : 50 ha.
4. **Nature of Land [Forest/Non-Forest/Public/Private]** : Public Land
5. **Plantation details** :
 - a. No. of Species planted : 800 nos.
 - b. Name of Species planted :
 - 1) *Jacaranda mimosaeifolia*
 - 2) *Bischofia javanica*
 - 3) *Ficus benghalensis*
 - 4) *Ficus elastica*
 - 5) *Chukrasia tabularis*
 - 6) *Polyalthya longifolia*
6. **Cost of the project** :
 - a. Total approved cost of the project: Rs.200.00 lakh
 - b. Received amount : Rs.137.3126 lakh
 - c. Utilized amount : Rs.137.3126 lakh
7. **Progress details description:** Out of Rs.200.00 lakh of the project cost. Rs.137.3126 lakh has been received as 1st installment. The said fund has been utilized for construction of Boundary Fencing with Brick Wall. Rain Water Harvesting Tank cum Rest Shed. Watch Tower, Duty Shed, Nature Trail. Check Dam. Entry Gate. Improvement of road and Enrichment of existing stock, etc.
8. **FINANCIAL AND PHYSICAL PROGRESS DETAIL:**
Implementing agency: Aizawl Forest Development Agency Other Agency involved [if any]:

Sl. No.	Item of works	Target		Achievement		Remarks
		Phy.	Fin. (in lakh)	Phy.	Fin. (in lakh)	
1	Construction of Brick Wall Boundary Fencing	1175 mts.	105.75	478.47 mts.	43.0626	
2	Construction of Rain Water Harvesting Tank (50000 litres capacity)	1 no.	12.00	1 no.	12.00	
3	Watch tower 15x15ft, 30ft high	1 no.	10.00	1 no.	10.00	
4	Construction of duty shed 12x12ft.	4 nos.	6.00	4 nos.	6.00	
5	Construction of nature trail	5 kms.	8.00	5 kms.	8.00	
6	Construction of Check dam	10 nos.	5.00	10 nos.	5.00	
7	Park benches with local materials	10 nos.	1.00	10 nos.	1.00	
8	Enrichment of existing stock including its maintenance	50 ha.	24.00	50 ha.	24.00	
9	Improvement of road	LS	5.00	2 kms.	5.00	
10	Construction of Rest Shed 24x24ft. and Toilet	1+1	10.00	1+1 no.	10.00	
11	Construction of small bridges	2	5.00	2 nos.	5.00	

UNDER NAGAR VAN YOJANA

Sl. No.	Item of works	Target		Achievement		Remarks
		Phy.	Fin. fin lakh)	Phy.	Fin. fin lakh)	
12	Construction of Entry Gate with wing wall fencing	LS	3.00	LS	3.00	
13	Construction of Duty Post at the Gate	1 no.	1.50	1 no.	1.50	
14	Administrative cost	-	3.75	-	3.75	
Total					137.3126	



SAITUAL



Name of the Project	:	Nagar Van Scheme for Saitual Town
Location of the project	:	Dokunga Lo Zawl, Saitual
Area of the Project	:	50 ha.
Total length of the Perimeter	:	5147 mtrs
Revenue District	:	Saitual District
Forest Division	:	Aizawl Forest Division
Total Project Cost	:	Rs. 200.00 lakh
Approved wage Rate	:	Rs. 380/-
Project Period	:	2 years, 2022-23 to 2023-24
Project Implementing agency	:	State Forest Development Agency through Forest Development Agency, Aizawl
Funding Agency	:	Ministry of Environment, Forest & Climate Change, Government of India.

Item of works carried out under 1st Installment
Total Amount Sanctioned: 137.4426 Lakhs
Under CSS

Sl. No.	Activity	Area (Ha)/Nos.	Cost (in lakh)
1	Construction of Brick Wall Boundary Fencing @ Rs. 9000 /mt	498.75 mts.	44.8976
2	Construction of Rainwater Harvesting Tank (50,000 litres capacity) @ Rs.12.00 Lakhs.	1 no.	12.00
3	Watchtower 15x15ft, 30ft high	1 no.	10.00
4	Construction of duty shed 12x12ft @ Rs. 1.5 lakh	4 nos.	6.00
5	Construction of Nature trail Rs.1.60 lakh/km.	5 kms.	8.00
6	Construction of Checkdam Rs.50 lakh/no	10 nos.	5.00
7	Park benches with local materials Rs.0.10 lakh/no.	10 nos.	1.00
8	Enrichment of existing stock including its maintenances	50 ha.	24.00
9	Improvement of road - 2 kms.	LS	5.00
10	Construction of Rest Shed 24x24ft and Toilet	1+1	10.00
11	Construction of small bridges @ Rs 2.5 lakh/no.	2	5.00
12	Construction of Entry Gate with wing wall fencing	LS	3.00
13	Construction of Duty Post at the Gate	1 no.	1.50
	Total		134.16
14	Administrative cost @ 2%		2.045
	G. TOTAL		137.4426

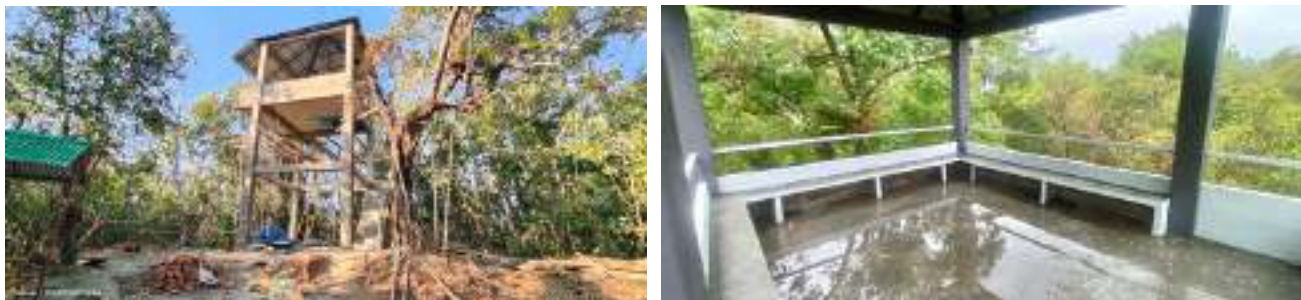
Construction of Brick Wall Boundary Fencing



Construction of Rainwater Harvesting Tank cum Rest Shed including Toilet



Construction of Watchtower



Construction of Duty Sheds



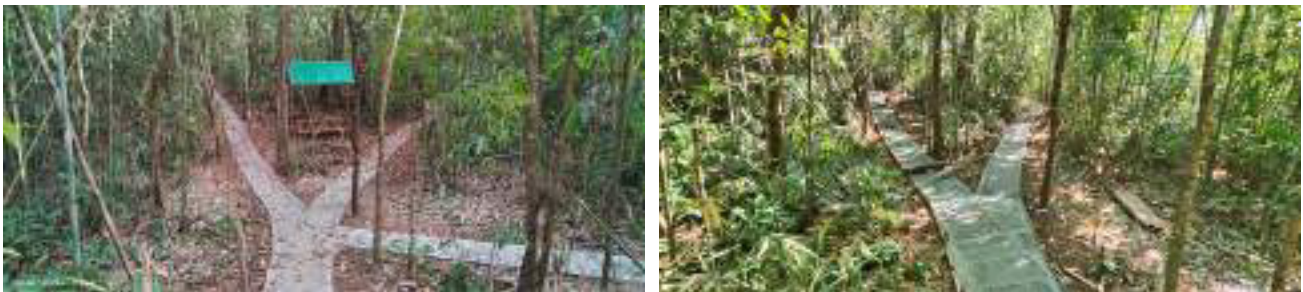
Construction of Check Dams



Park Benches with Local Material



Construction of Nature Trail



Enrichment of existing stock including its maintenances



Improvement of Road



Construction of small Bridges



Construction of entry gate with wing wall fencing



MAP Showing area under Nagar Van in Saitual Town, Saitual District, Mizoram

Location : Dokunga Lo Zawl, Saitual
Area : 50 ha.

