



પરિપત્ર:

વિષય: રાષ્ટ્રીય સ્વરણ હવા કાર્યક્રમ (NCAP) હેઠળ વિશ્વ પર્યાવરણ દિવસ પર એક પેડ મા કે નામ 2.0 અભિયાન અમલ કરવા બાબત.

સંદર્ભ: ઉચ્ચ શિક્ષણ કમિશનરશ્રીની કચેરી ના પત્ર ક્રમાંક રસય/NCAP/૨૦૨૫/૫૬૨૧-૫૭૨૭ તા.૦૭/૦૫/૨૦૨૫

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી સંલગ્ન જુનાગઢ, ગીર સોમનાથ, પોરબંદર તેમજ દ્વારકા જીલ્લાની તમામ કોલેજોનાં આચાર્યશ્રીઓ તથા એન.એસ.એસ. પ્રોગ્રામ ઓફિસરોને જણાવવાનું છે, 5 જુન 2025 ના રોજ વિશ્વ પર્યાવરણ દિવસ નિમિત્તે " એક પેડ મા કે નામ 2.0" રાષ્ટ્રવ્યાપી અભિયાનના શુભારંભ સંદર્ભે વૃક્ષારોપણ ઝુંબેશ હેઠળ શહેરોને તા.05/06/2025 થી 30/09/2025 સુધી વ્યાપક સમુદાયમાં વૃક્ષારોપણ ઝુંબેશ અને શહેરી આયોજન અને સુંદરીકરણના પ્રયાસોમાં વૃક્ષારોપણના લક્ષ્યોને યોગદાન કરવાનું હોય જેમાં એન.એસ.એસ. યુનિટ ધરાવતી દરેક કોલેજોએ વૃક્ષારોપણ ઝુંબેશને હાથ ધરવાની રહેશે.

આ વર્ષે હાથ ધરવામાં આવનાર અભિયાનના ભાગ રૂપે વાવેલા રોપાઓના ઉચ્ચ અસ્તિત્વ ટકાવારી સુનિશ્ચિત કરવી જરૂરી છે. આ સંદર્ભમાં AMRUT મિત્ર પહેલ દ્વારા જાળવણી અને અસ્તિત્વ દેખરેખ હાથ ધરવાની રહેશે. ઉક્ત બધી પ્રવૃત્તિઓનું અહેવાલ પ્રોગ્રામ ઓફિસર દ્વારા MeriLIFE (<https://merilife.nic.in>) પોર્ટલ પર અપલોડ કરવું આવશ્યક છે.

" એક પેડ મા કે નામ 2.0" વૃક્ષારોપણ ઝુંબેશ ની કામગીરીનો અહેવાલ તથા જીઓ ટેગ ક્લોઝ અત્રેની યુનિવર્સિટીની સાઈટ <https://www.bknmu.edu.in> પર જઈ Students corner પર ક્લિક કરી NSS પર ક્લિક કરવું. જેમાં IMPORTANT LINKS માં **NSS ACTIVITY UPLOAD MODULE** પર ક્લિક કરી પ્રોગ્રામ ઓફિસરોએ પોતાની કોલેજ સીલેક્ટ કરવી અને Secret Key એન્ટર કરવી. આમ અહેવાલ માટેનો મોડ્યુલ ખુલશે જેમાં કામગીરીનો ડેટા અપલોડ કરવાનો રહેશે.

દરેક એન.એસ.એસ. યુનિટ ધરાવતી કોલેજોએ "એક પેડ મા કે નામ 2.0" વૃક્ષારોપણ ઝુંબેશની કામગીરી તા.05/06/2025 થી 30/09/2025 સુધીમાં હાથ ધરવી આવશ્યક છે. જેની નોંધ લેવી.

બીડાણ: (1) ઉચ્ચ શિક્ષણ કમિશનરશ્રીની કચેરી ના પત્ર ક્રમાંક રસય/NCAP/૨૦૨૫/૫૬૨૧-૫૭૨૭ તા.૦૭/૦૫/૨૦૨૫

પ્રો. કો-ઓર્ડિનેટરશ્રી
એન.એસ.એસ. વિભાગ
ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી
જુનાગઢ

ક્રમાંક/બીકેએનએમયુ/એન.એસ.એસ./67/2025

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી, ગવર્નમેન્ટ પોલીટેકનીક કેમ્પસ,

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી રોડ, ખડીયા, જુનાગઢ.

તા.13/06/2025

પ્રતિ,

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી સંલગ્ન કોલેજો, એન.એસ.એસ. યુનિટ ધરાવતી તમામ કોલેજોના આચાર્યશ્રીઓ તથા એન.એસ.એસ. પ્રોગ્રામ ઓફિસરો તરફ.

નકવ રવાના જાણ અર્થે :

- માન. કુલપતિશ્રી / કુલસચિવશ્રીના અંગત સચિવશ્રી, ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી, જુનાગઢ.
- રાજ્ય એન.એસ.એસ. અધિકારી, ઉચ્ચ શિક્ષણ કમિશનરની કચેરી, ગુ.રા., ગાંધીનગર.
- આઈ.ટી. સેવ, ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી, જુનાગઢ. (પરિપત્ર વેબસાઈટ પર અપલોડ કરવા)



ઉચ્ચ શિક્ષણ કમિશનરશ્રીની કચેરી

એન.એસ.એસ. શાખા, બ્લોક નં. ૧૨/૨, બીજો માળ, ડૉ. જીવરાજ મહેતા ભવન,
ગાંધીનગર, ગુજરાત રાજ્ય.

જા.ક. :- રસય/સસ/૨૦૨૫/૫૬૨૧-૫૭૨૭
/NCAP/

તા.૦૩/૦૫/૨૦૨૫

પ્રતિ,

રજીસ્ટ્રારશ્રી, એન.એસ.એસ સંલગ્ન યુનીવર્સિટી તમામ,
જીલ્લા શિક્ષણાધિકારીશ્રી, જીલ્લા શિક્ષણાધિકારીની કચેરી તમામ.

વિષય: રાષ્ટ્રીય સ્વચ્છ હવા કાર્યક્રમ (NCAP) હેઠળ વિશ્વ પર્યાવરણ દિવસ પર "એક પેડ મા કે નામ 2.0"
અભિયાનનો અમલ કરવા બાબત.

સંદર્ભ : પર્યાવરણ, વન અને આબોહવા મંત્રાલયનો ડી.ઓ. પત્ર નં. Q-16017-41-2019-CPA
તા.22/05/2025

શ્રીમાન,

ઉપરોક્ત વિષય અને સંદર્ભ અન્વયે જણાવવાનું કે, ૫ જૂન ૨૦૨૫ ના રોજ વિશ્વ પર્યાવરણ દિવસ નિમિત્તે "એક પેડ મા કે નામ ૨.૦" રાષ્ટ્રવ્યાપી અભિયાનના શુભારંભ સંદર્ભે આ અભિયાનને 'સમગ્ર સરકાર' અને 'સમગ્ર સમાજ' પહેલ તરીકે કલ્પના કરવામાં આવી છે, જે વિભાગો અને ક્ષેત્રોમાં એકરૂપતાને પ્રોત્સાહન આપે છે. આ ઝુંબેશ હેઠળ શહેરોને તા.05.06.2025 થી તા.30.09.2025 સુધી વ્યાપક સમુદાય વૃક્ષારોપણ ઝુંબેશ અને શહેરી આયોજન અને સુંદરીકરણના પ્રયાસોમાં વૃક્ષારોપણના લક્ષ્યોને એકીકૃત કરવા વિનંતી કરવામાં આવે છે. સમુદાય વૃક્ષારોપણ હાથ ધરવા માટે, શહેરોમાં શાળાઓ, કોલેજો, ઉચ્ચ શિક્ષણની અન્ય સંસ્થાઓ, મહિલા સ્વ-સહાય જૂથો, અમૃત મિત્ર, નિવાસી કલ્યાણ સંગઠનો (RWAS), સરકારી કચેરીઓ વગેરેનો સમાવેશ કરવામાં આવે છે, જે કૃષિ-આબોહવા ઝોનમાં વાવેતરની મોસમ સાથે સુસંગત હોય છે.

ઉક્ત બાબતે ગયા વર્ષના અભિયાનના ભાગ રૂપે જ નહીં પરંતુ આ વર્ષે હાથ ધરવામાં આવનારા અભિયાનના ભાગ રૂપે પણ વાવેલા રોપાઓના ઉચ્ચ અસ્તિત્વ ટકાવારી સુનિશ્ચિત કરવી જરૂરી છે. આ સંદર્ભમાં, AMRUT 2.0 ની AMRUT મિત્ર પહેલ દ્વારા જાળવણી અને અસ્તિત્વ દેખરેખ હાથ ધરવા પણ વિનંતી કરવામાં આવે છે. બધી પ્રવૃત્તિઓનું અહેવાલ MeriLiFE પોર્ટલ (<https://merilife.nic.in/>) પર અપલોડ કરવું આવશ્યક છે.

વધુમાં, ઝુંબેશ દરમિયાન શહેરી જગ્યાઓમાં હરિયાળી વધારવા માટે શહેરોએ સૂક્ષ્મ જંગલો વિકસાવવા જરૂરી છે. ઉપરોક્ત બાબતોને ધ્યાનમાં રાખીને, શહેર દ્વારા 25 મે 2025 સુધીમાં PRANA પોર્ટલ પર પરિશિષ્ટ-1 માં ઉલ્લેખિત ફોર્મેટમાં, રોપવાના કુલ રોપાઓની સંખ્યા અને વિકસાવવા માટે પ્રસ્તાવિત મિયાવાકી સ્થળોની સંખ્યા દર્શાવતી વિગતવાર કાર્ય યોજના રજૂ કરવા વિનંતી કરવામાં આવે છે.

ઉક્ત વિગતે એન.એસ.એસ સંલગ્ન તમામ યુનીવર્સિટી/ જીલ્લા શિક્ષણાધિકારીશ્રીની કચેરીઓ તથા સંલગ્ન શાળા/કોલેજોના એન.એસ.એસ. યુનિટ દ્વારા વધુમાં વધુ વૃત્તારોપણ કરવા તેમજ કરેલ કામગીરીનો અહેવાલ આપની કક્ષાએથી સંકલિત કરેલ અહેવાલ અત્રેની કચેરીને મોકલી આપવા જણાવવામાં આવે છે.

બીડાણ: ઉપર મુજબ

રાજ્ય એન. એસ. એસ. અધિકારી
ઉચ્ચ શિક્ષણ કમિશનરની કચેરી,
ગુ.રા., ગાંધીનગર

Q-16017-41-2019-CPA
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
(CP DIVISION)

2nd Floor, Jal Wing,
Indira Paryavaran Bhawan,
JorBagh, New Delhi -110003
Dated: 22nd May, 2025

OFFICE MEMORANDUM

Subject: Implementation of "Ek Ped Maa Ke Naam 2.0" Campaign on World Environment Day (05.06.2025) in 130 targeted cities under National Clean Air Programme (NCAP)– Reg.

The undersigned is directed to refer to D.O. letter No. 4-1/2025-NAEB dated 16th May 2025 from the Secretaries of the Ministry of Environment, Forest and Climate Change; Department of School Education & Literacy, Department of Higher Education, Ministry of Education; Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti; Ministry of Road Transport & Highways; Ministry of Panchayati Raj; Ministry of Housing & Urban Affairs; and the Department of Rural Development, Ministry of Rural Development (**copy enclosed**), regarding the launch of the nationwide campaign "Ek Ped Maa Ke Naam 2.0" on the occasion of World Environment Day, 5th June 2025

2. The campaign is envisioned as a '**Whole of Government**' and '**Whole of Society**' initiative, promoting convergence across departments and sectors.
- 3 Under this campaign cities are requested to undertake extensive community plantation drives and integration of plantation goals into urban planning and beautification efforts. from **05.06.2025 to 30.09.2025. To undertake community plantation, cities are to involve schools**, colleges, other institutions of higher learning, Women Self Help Groups, AMRUT Mitra, Resident Welfare Associations (RWAs), Govt. offices, etc, aligning with the plantation season across agro-climatic zones.
4. Cities are required to ensure high survival percentage of saplings planted not only as part of last year's campaign but also the campaign to be undertaken this year. In this regard, Cities are also requested to undertake maintenance and survival monitoring through AMRUT Mitra initiative of AMRUT 2.0. All activities must be documented and uploaded on the **MeriLiFE portal** (<https://merilife.nic.in/>)."
5. Further, Cities are required to develop micro forests to increase the green cover in urban spaces during the campaign.

6. In view of the above, it is requested to furnish a **Detailed Action Plan** indicating the **total number of saplings** to be planted, and the **number of Miyawaki sites** proposed to be developed is to be submitted by the city in the format mentioned at **Annexure-I**, by **25th May 2025 on PRANA portal**.

This issues with the approval of the Competent Authority.

Yours sincerely,

N. Subrahmanyam 22/5/25

(N. Subrahmanyam)

Additional Director/ Scientist 'E'

Ph: 011-20813233

E-mail: n.subrahmanyam@gov.in

(N. SUBRAHMANYAM)
वैज्ञानिक 'ई' / Scientist 'E'
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Min. of Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

To,

- i. Chairperson, Commission for Air Quality Management in National Capital Region and Adjoining Areas
- ii. Chairman, Central Pollution Control Board
- iii. Addl. Chief Secretary/Principal Secretary/Secretary, Env. Dept., 24
- iv. Addl. Chief Secretary/Principal Secretary/Secretary, Municipal Administration/ Urban Dev. Dept., 24 States/UTs
- v. Chairman, 24 SPCBs/PCCs
- vi. Municipal Commissioners of 130 cities under NCAP

Copy to:

- i. Secretary, Ministry of Housing and Urban Affairs
- ii. Secretary, Ministry of Heavy Industries
- iii. Secretary, Ministry of Petroleum & Natural Gas
- iv. Secretary, Ministry of Road, Transport & Highways
- v. Secretary, Ministry of New & Renewable Energy
- vi. Secretary, Department of Youth Affairs
- vii. Director, NCAP
- viii. Member Secretary, CPCB
- ix. PSO to Secretary, EF&CC
- x. PPS to AS (NPG)
- xi. PPS to JS (NKS)



सत्यमेव जयते

Government of India

(Tanmay Kumar) Secretary Ministry of Environment, Forest and Climate Change	(Sanjay Kumar) Secretary Department of School Education & Literacy, Ministry of Education
(Vineet Joshi) Secretary Department of Higher Education Ministry of Education	(Debashree Mukherjee) Secretary Department of Water Resources, River Development and Ganga, Rejuvenation Ministry of Jal Shakti
(V. Umashankar) Secretary Ministry of Road Transport & Highways	(Vivek Bhardwaj) Secretary Ministry of Panchayati Raj
(Srinivas Katikithala) Secretary Ministry of Housing & Urban Affairs	(Shailesh Kumar Singh) Secretary Department of Rural Development Ministry of Rural Development

No. 4-1/2025 NAEB

May 16, 2025

Dear Advisor,

On the occasion of World Environment Day on 5th June 2024, Hon'ble Prime Minister launched the campaign "*Ek Ped Maa Ke Naam/ Plant4Mother*" by planting a sapling at Buddha Jayanti Park in New Delhi. This initiative, which encourages the citizens to plant a tree as a mark of love, respect and honour for their own Mother and Mother Earth,

MissionLiFE, sustainable living and other environmental issues. The enthusiastic public response has reaffirmed and reinforced our collective commitment to environmental conservation and community participation. In furtherance of these objectives and building upon the momentum of last year's campaign, "*Ek Ped maa Ke Naam 2.0*" is being launched across the country on World Environment Day - 05.06.2025 as a nationwide movement.

2. The campaign is envisioned as a 'Whole of Government and 'Whole of Society' initiative with multi departmental and multisectoral coordinated and convergence approach and its success hinges critically on proactive leadership and coordinated action at the national, state and local levels.

3. The tree plantation drive under the campaign is scheduled to be implemented mainly by the schools across the country under the aegis of Eco Clubs for MissionLiFE from 05.06.2025 to 30.09.2025 coinciding with the plantation seasons across different agro-climatic regions of the country. Colleges, Universities and other institutions of higher learning will also be involved in this campaign. To ensure transparency and citizen engagement, all plantation activities will be documented as was done last year, through the MeriLiFE portal. (<https://merilife.nic.in/>). Necessary directions in this regard may be issued to all the Collectors, Departments, Institutions and Organisations in the State to ensure that the data regarding the plantation is uploaded on this portal. For plantations in schools, the data will be captured through a microsite on the Eco Clubs for MissionLiFE portal of Department of School Education & Literacy (DOSEL) and accordingly with the MeriLiFE portal (<https://merilife.nic.in/>) of MoEFCC.

4. Besides the plantation by the schools, it is proposed to carry out plantation by the State Forest Department and other Agencies under Ek Ped Maa Ke Naam 2.0 campaign as was done last year under Ek Ped Maa Ke Naam campaign launched by Hon'ble PM on the occasion of World Environment Day on 5th June, 2024 and to also upload the details of the same on MeriLiFE portal (<https://merilife.nic.in/>).

5. The proposed campaign also aims to align with key national programs such as MGNREGA, Jal Shakti Abhiyan, Swachh Bharat Mission, Smart Cities Mission, and the National Green Highways Mission. This convergence is expected to bring synergy in resource utilization, outreach, and on-ground impact besides active participation of line departments.

6. The current year's Jal Shakti Abhiyan: Catch The Rain-2025 (JSA:CTR-2025) campaign also focuses on undertaking plantation/afforestation in water catchment areas, recognizing their pivotal role in sustaining the hydrological cycle. This campaign emphasises carrying out plantation activities along water bodies, catchment areas, riverbanks, canal bunds, recharge zones, and around Amrit Sarovars to support water conservation, rejuvenation of traditional water bodies, and ecological restoration.

7. Indicative focus areas of the campaign in the States/UTs are listed below:

a. **Proposed Sites for tree plantation:**

- i. Plantations may be taken up with active involvement of students within and around school/college premises, degraded forest land or common lands as identified by the State/UT for this purpose.
- ii. Plantation activities may also be promoted at popular destinations, heritage sites, and pilgrimage centres across the State/UT. Along with this the integration of eco conscious messaging of the campaign theme on various digital platforms needs to be done with meticulous engagement of stakeholders for campaign outreach and successful plantation events.
- iii. In the urban areas this campaign may be promoted by identification of plantation sites, such as in parks, green belts, Nagar Van Areas and public spaces under the programs like Smart Cities, Atal Mission for Rejuvenation & Urban Transformation (AMRUT), National Urban Livelihood Mission (NULM) and Swachh Bharat Mission with the mobilisation of Urban Local Bodies (ULBs) to promote community plantation as part of Urban Planning and beautification drives.
- iv. Identified plantation sites along and on the medians of National Highways, State Highways, major district roads and other roadways may be identified for taking up and integrating plantation drives under ongoing infrastructure and green corridor projects.
- v. Plantation activities may be undertaken along water bodies, catchment areas, riverbanks, canal bunds, recharge zones, and around Amrit Sarovars to support water conservation, rejuvenation of traditional water bodies, and ecological restoration.

b. **Source of saplings:** Nurseries are developed and maintained by different Departments in the Districts under different Government programmes. The saplings for the campaign may be made available from the nurseries of the Forest Department as well as those of the Horticulture Department, Urban Local Bodies, Corporations etc. The respective nodal officials of the concerned departments may be contacted for providing saplings for the campaign.

c. **Social Media Campaign:** Integration of eco-conscious messaging of the campaign theme on various digital / social media platforms may be done with meticulous engagement of stakeholders for maximizing outreach and successful plantation events.

d. In urban areas, mobilization of Urban Local Bodies (ULBs) may be undertaken to organize community plantation drives and integration of plantation goals into urban planning and beautification efforts. Women Self Help Groups may be involved to undertake plantation activities, maintenance and survival monitoring through AMRUT Mitra initiative under

AMRUT 2.0 in convergence with NULM. Furthermore, Operation and Maintenance (O&M) projects related to waterbodies and urban parks may be taken up to mitigate urban heat island effect, enhance long term sustainability, ecological balance and community engagement. Micro forests (Miyawaki) technique (brief concept enclosed as **Annexure-I**) may be adopted to create micro-forests in Urban areas.

- e. In rural areas, Gram Panchayats may leverage MGNREGS and rural development schemes for land preparation, sapling planting, and maintenance, particularly in degraded lands along with plantation in vacant community lands and areas under their jurisdiction, within the overall framework of Mahatma Gandhi NREGA. In addition, the promotion of plantation activities along the river banks, around *Amrit Sarovars*, canals, and water catchment areas to aid conservation and rejuvenation may be focussed upon by the relevant departments.
- f. Gram panchayats / Urban local bodies may be mobilised to play a proactive role in identifying community lands, carrying out plantations in coordination with schools, and ensuring long-term care and monitoring of saplings.

8. To facilitate effective coordination, we request you to designate a **State -level Nodal Officer** and set up a District Plantation Committee in each District under the chairpersonship of the District Collector/District Magistrate/Deputy Commissioner for smooth implementation and coordination across departments. Further, all relevant departments and field offices may be advised to align their efforts with the campaign objectives.

9. **Post Plantation Care/Survey:** It is extremely important to ensure high survival percentage of the saplings planted not only as part of last year's campaign but also the campaign to be undertaken this year. For this, your State/UT may devise a standardized protocol for maintenance of not only the saplings planted last year but also for those to be planted in the current year, and set up a system of regular review with all the concerned departments, alongside the campaign for this year. This may be carried out through the above-mentioned District Plantation Committee.

10. It is requested that a coordination meeting may be taken at your level with all the concerned officers and agencies for drawing up an Action Plan regarding efficient and effective implementation and monitoring of the *Ek Ped Maa ke Naam 2.0* campaign as well as to inter-alia arrive at the target of Micro forests (Miyawaki) plantation sites and the total number of saplings to be planted in each district within the State/UT in the rural and urban areas. The key elements of the proposed Action Plan is enclosed in the form of Google Sheet at **Annexure II**.

11. It is requested that the aforesaid detailed Action Plan including the information regarding total number of saplings to be planted by the school children and other agencies

and the number of Micro forests (Miyawaki) sites to be created within the State as part of the campaign may kindly be submitted by **25th May, 2025**.

12. The nodal officer for the aforesaid campaign within the Ministry, Shri Kamal Jeet Singh, Deputy Inspector General of Forests (Mobile number: 8126682238; email id: bh210@ifs.nic.in) may be contacted for any clarification in this regard.

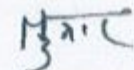
13. Through "*Ek Ped Maa Ke Naam 2.0*" we rededicate ourselves to the cause of not only sensitizing the younger generation to sustainable development but also making them active participants in greening mother earth. We are confident that under your dynamic leadership, "*Ek Ped Maa Ke Naam 2.0*" would be implemented successfully to not only honour the spirit of motherhood but to also reinforce our national commitment towards environmental protection and sustainability.

14. Looking forward to your active participation and cooperation in making the campaign a resounding success.

With regards,

Encls.: As above

Yours sincerely,



(Tanmay Kumar)

Secretary

Ministry of Environment, Forest and
Climate Change



(Sanjay Kumar)

Secretary

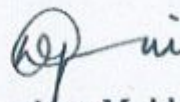
Department of School Education &
Literacy, Ministry of Education



(Vineet Joshi)

Secretary

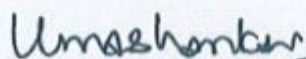
Department of Higher Education
Ministry of Education



(Debashree Mukherjee)

Secretary

Department of Water Resources,
River Development and Ganga,
Rejuvenation Ministry of Jal Shakti



(V. Umashankar)

Secretary

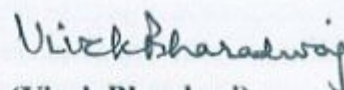
Ministry of Road Transport &
Highways



(Srinivas Katikithala)

Secretary

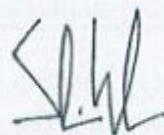
Ministry of Housing & Urban Affairs



(Vivek Bhardwaj)

Secretary

Ministry of Panchayati Raj



(Shailesh Kumar Singh)

Secretary

Department of Rural Development
Ministry of Rural Development

To

The Chief Secretaries of all States/UTs and Advisors to the Administrator of UTs

Concept Note

Creation of Micro-Forests (*Miyawaki*) in Urban Areas

1. Introduction

Micro Forests are to be promoted in small urban landscapes, to grow dense, fast-growing, native forests. This should be popularized to maximise flow of ecosystem services in the limited spaces available in our urban areas, to combat ill effects of rapid urbanization, pollution, and deforestation by restoring biodiversity and improving air quality.

2. Objectives

- a) Rejuvenate degraded urban land and improve ecological balance.
- b) Promote biodiversity by planting native species.
- c) Increase green cover in urban areas to combat heat islands.
- d) Encourage community participation in sustainable development.

3. Procedure and Methodology

- Site Selection of small or unused patches of land in urban, semi-urban, or rural areas.
- Surveying the local forest fragments and identifying the PNV (Potential Natural Vegetation) tree species that are best suited to the conditions.
- Determine the forest community structure i.e. identifying the main canopy and tree layer species and selecting companion species based on their compatibility with the key species. This is assessed by looking at local indigenous vegetation and analysis of forest structures elsewhere in the world.
- Soil Survey to be conducted to help decide on the type of mulch and soil nutrients required.
- Seeds to be collected from local trees to grow seedlings or obtain seedlings of local variants of tree species.
- Mulch made from local materials to be applied to protect and nourish the seedlings. This simulates the protection offered by humus/leaf litter in a natural forest. At the same time, the soil and the seedlings to be treated with soil improvers or a mycorrhizal improver.
- Planting of the seedlings randomly and at high density say 20,000 to 30,000 per hectare instead of 1,000 per hectare, or 3–5 saplings per square meter with stakes for support.
- Regular watering and keeping the site weed free for the first 2 years is a must after which the forest becomes self-sustaining.

4. **Benefits:** It leads to rapid forest growth (10x faster than conventional methods). It supports local wildlife and enhances carbon sequestration. It requires minimal space and long-term maintenance. It can be community-driven and suitable for CSR and government projects. Benefits are categorized below:
- a) **Environmental:** Increases oxygen production, reduces CO₂, improves air and water quality.
 - b) **Ecological:** Enhances biodiversity, restores local flora and fauna.
 - c) **Social:** Educates communities, especially youth, about sustainability and nature.
 - d) **Economic:** Low maintenance cost after initial years, potential for eco-tourism and urban resilience.
5. **Implementation in India:** Cities like Delhi, Mumbai, Bengaluru, Hyderabad, and Chennai have adopted this model through municipal corporations, NGOs, schools, and resident welfare associations. Support from CSR funds and government initiatives like Smart Cities Mission have been instrumental in creation of such micro forests in Urban areas.
6. **Best examples:** Two success stories of creation of similar forests in India are as below-
- a) **Govind Nagar, Vadodara:** In Govind Nagar, Gujarat, an encroached Area within the Vadodara Municipal Corporation Land has been reclaimed and turned into a Biodiversity Park through raising of micro forests. Here 29,000 multi species trees were planted on 26th October 2024 near the river but on rocky terrain.
 - b) **National Security Guard (NSG) Campus, Manesar:** The campus was earlier dominated by invasive Vilayati Kikar (*Prosopis juliflora*) leading to depletion of the ground water and hindered growth of native indigenous species. To address the issue, a "Rehabilitation Plan" was made which aimed to restore balance to the ecosystem by clearing the invasive Vilayati Kikar (*Prosopis juliflora*) from the selected sites and replacing it with beneficial native species to revitalize the land with indigenous plants that promote biodiversity and ecological health. In the selected site, an overall of 32,567 nos. of Native species plants and 20,000 nos. *Bambusa Balcooa* were planted and ultimately the treated site in the campus was turned into a green area with reclaimed biodiversity.
7. The nodal officer for the aforesaid matter within the Ministry, Shri Sachin Gupta, Assistant Inspector General of Forests (Mobile number: 9899237803; email id: ap224@ifs.nic.in) may be contacted for any clarification in this regard.

Annexure-II: Details of plantations to be taken up in the States and UTs under Ek Ped Ma ke Naam 2.0

ANNEXURE-III: DETAILS OF PARTICIPATIONS TO BE TAKEN UP IN THE STATES AND UTs UNDER SK PWD YAWA SCHEME 2.0																									
Sl no.	Name of State and UTs	Name, Designation, Mobile No. and email Id of the State Nodal Officer	Name of the District	Plantations by Schools										Plantations by organisations other than schools										Grand Total (no. of seedlings)	
				Micro Forest (Miyawaki) Plantation					Regular plantations (other than Miyawaki) (No. of seedlings)					Micro Forest (Miyawaki) Plantation					Regular plantations (other than Miyawaki) (No. of seedlings)						
				Urban		Rural		Total	Urban	Rural	Total	Urban		Rural		Total	Urban		Rural		Total	Urban	Rural		Total
				No. of sites	No. of seedlings	No. of sites	No. of seedlings	No. of seedlings	No. of sites	No. of seedlings	No. of sites	No. of seedlings	No. of sites	No. of seedlings	No. of sites	No. of seedlings	No. of sites	No. of seedlings	No. of sites	No. of seedlings	No. of sites	No. of seedlings	No. of sites		No. of seedlings
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Please use the below-mentioned Link for the Google sheet created for providing details of plantations to be taken up:

https://docs.google.com/spreadsheets/d/1-gEqu3abO4pmidALUuJqG_VwBCD87cqOazECDBxBilw/edit?usp=drivesdk

Annexure I

Details of plantations to be taken up in the States and UTs under Ek Ped Ma ke Naam 2.0

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