



Presentation by:

1. Sh. Anoop Badhwa
IGF(NAEB)
9811927381(M)



2. Sh. Inder Dhamija
DIGF(NAEB)
9873090700(M)





Ministry of Environment, Forests and Climate Change

GOVERNMENT OF INDIA



National Afforestation and Eco-Development Board (NAEB)

Mandate



- ❖ Constituted by an executive order/resolution No. 163 dated 28th August 1992
- ❖ Monitoring & Co-ordination of Afforestation in the Country 20 Point Programme.
- ❖ To contribute in achieving 33% of targeted forest cover in the country by Afforestation and Restocking of Degraded forest lands with Participatory Approach (JFM)- National Afforestation Programme, Eco-restoration through Eco task Force Battalions
- ❖ Forestry Grants ..Budgetary Allocations to SFDs ...devolution under Finance Commissions
- ❖ Central Monitoring & Evaluation
- ❖ Communication & Awareness
- ❖ Empowerment and Capacity building of JFM
- ❖ Indira Priyadarshini Vriksha Mitra Award
- ❖ Preparedness for monsoon shortfall... Addressing fodder Availability
- ❖ Handling Issues related to MoRD & Bio-fuels on behalf of MoEF&CC in Inter-ministrial Foras

Status of Afforestation



- ❖ perspective, facts.....
- ❖ Issues, constraints....
 - ❖ way forward.....



Forest Cover - Details

- **As per India State of Forest Report (ISFR) 2015- Forest & Tree Cover - 24.16% (79.42 m.ha.)**
 - ❑ 2.61% Very Dense forest (more than 70% canopy cover)
 - ❑ 9.59% Moderately Dense forest(40% to 70% Canopy cover)
 - ❑ 9.14% Open forest with 10%-40% canopy density)
 - ❑ Total forest cover 21.34%
 - ❑ Tree cover 2.82%
- Stabilized over last two decades despite biotic pressure.
- Estimated Carbon stock(ISFR-2015) – 7,044 million tonnes (103 m.t. increase over ISFR 2013)
- Estimated Growing Stock 5700 million cm³ (110 million cm³ increase over IFSR2013)



Afforestation – Land details

- **National Forest Policy, 1988-to bring 33% land under forest or tree cover**
 - The total geographical area of India -- 328 million hec.
 - Land under productive agriculture -- 158 million hec.
 - Land under infrastructure, habitation -- 64 million hec.
 - Existing forest and tree cover of India -- 79.42 million hec.
 - Area required under forest cover (33%) -- 108 million hec.
 - **Deficit in Forest Tree Cover** -- **28.58 million hec.**
- Estimated afforestation in the country during 11th Plan i.e. 2007-08 to 2011-12 (as per reports received from states in April 2012) _ 4.2 m hec.
- Estimated period required to attain 33% forest cover _ 35 years ??

Afforestation... Present Status



- ❑ Cross-Sectoral
- ❑ Central Plan and State Plan/Non-Plan schemes
 - NAP & GIM (MoEF&CC), EAP (12 States), Nagar Van Udyan
 - CAMPA
 - NBM, RVP (MoA)
 - MGNAREGA & IWMP (MoRD)
 - Private Participants
- ❑ Annual afforestation achievements - inclusively monitored under 20 Point Programme
- ❑ Ave. Targets and Achievements in past five years - 1.5 m.ha-
- ❑ Notional area by seedling distribution under 20PP Zone of uncertainty-
- ❑ Estimated afforestation in the country during 11th plan- 4.2 m.ha. as compiled in NAEB .. upto 20% contribution by leading afforestation scheme NAP



Issues/Constraints....

- **The area required under forest cover (33%) is 108 million hec. The existing forest and tree cover of India is 79.42 million hec. and the deficit in forest and tree cover is 28.58 million hec. Hence, the 33% FTC to be achieved by planting over 28.58 m.ha. area.**
 - ❑ 35 years period required to attain 33% FTC at the existing rates and trend with
 - ❑ Non-availability of land outside forest
 - ❑ Reducing trend of budget allocation towards key afforestation schemes
 - ❑ National Afforestation Programme – (in crores)

	Year	BE	RE	Actual
National Afforestation Programme	2012-13	318.15	218.15	193.37
	2013-14	318.15	257.62	257.62
	2014-15	257.62	243.78	243.78
	2015-16	100.00	100.00	94.16

- ❑ Green India Mission(GIM)- Total outlay Rs.13,000 crore in 12th Plan & one spill over year and funds released 2015-16 and BE 2016-17 meagre (Rs. 70 crores and Rs. 40 crore respectively)
- ❑ 13th FC forest grants releases- Rs. 4431.80 crores and in 14th FC no separate grants but 7.5% weightage for forest cover yet inadequate funding- uncertainty in the states.



Issues/Constraints

- ❑ Low Priority for Research & Development
- ❑ Lack of Good quality seeds, Seed Orchards
- ❑ Lack of Quality planting material, Central Nurseries
- ❑ Pressure on forests
- ❑ Encroachments
- ❑ Low survival percentage of plantation
- ❑ Protection measures
- ❑ Native Mixed Spp. Plantations- A Real Task

National Afforestation Programme



Profile

- ❑ Till 2014-15, 100% Centrally Sponsored Scheme for Eco restoration (Quality-restocking) of degraded forests areas. From 2015-16 onwards, change in fund sharing pattern i.e. 60:40 for ROI states and 90:10 for NE and three Himalayan states.
- ❑ Three tier set up - State Forests Development Agency (SFDA) at the State level, Forest Development Agency (FDAs) at district/forest division level and Joint Forest Management Committees (JFMCs) at village level.
- ❑ 28 SFDAs, 800 FDAs, 42,000 JFMCs operationalised under NAP.
- ❑ Democratic decentralization - Bottom up approach, Micro-plans.
- ❑ Linkage with Gram Panchayats.
- ❑ Monitoring framework- Regular monitoring by SFDA/FDA and Forest dept, Web based monitoring, Social Audit, Quarterly Progress Reports and Utilization Certificates .
- ❑ Evaluation – Concurrent, Mid-term and Final evaluation by reputed Independent organization / third party.

National Afforestation Programme



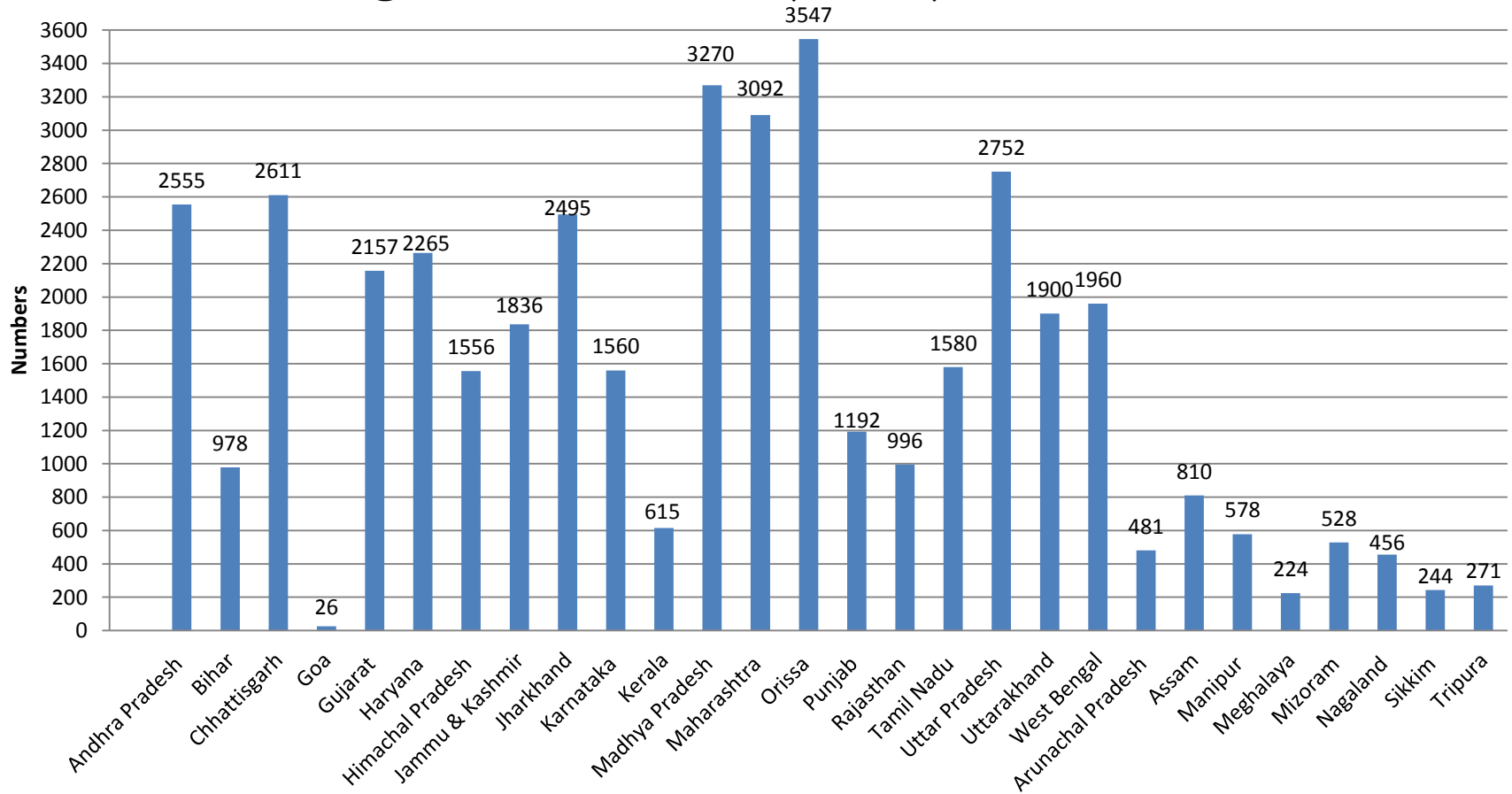
Achievements

- ❑ Over 21 lakh hectare area sanctioned for treatment since inception in 2000-2002 with investment of Rs. 3639 .28 crores till 2015-16.
- ❑ Institutionalization of peoples' participation in forest management.
- ❑ Amelioration of the environment through plantation and soil and moisture conservation measures in about 2 million hectares of forestland.
- ❑ Supplementing livelihood implementation processes of forest dependent communities in around 42000 villages.
- ❑ Development of rural infrastructure through EPA.
- ❑ Development of forward linkages and functional convergence at district level with schemes of other departments such as agriculture, rural development in view of livelihood improvement of forest fringe villages.

Number of JFMCs



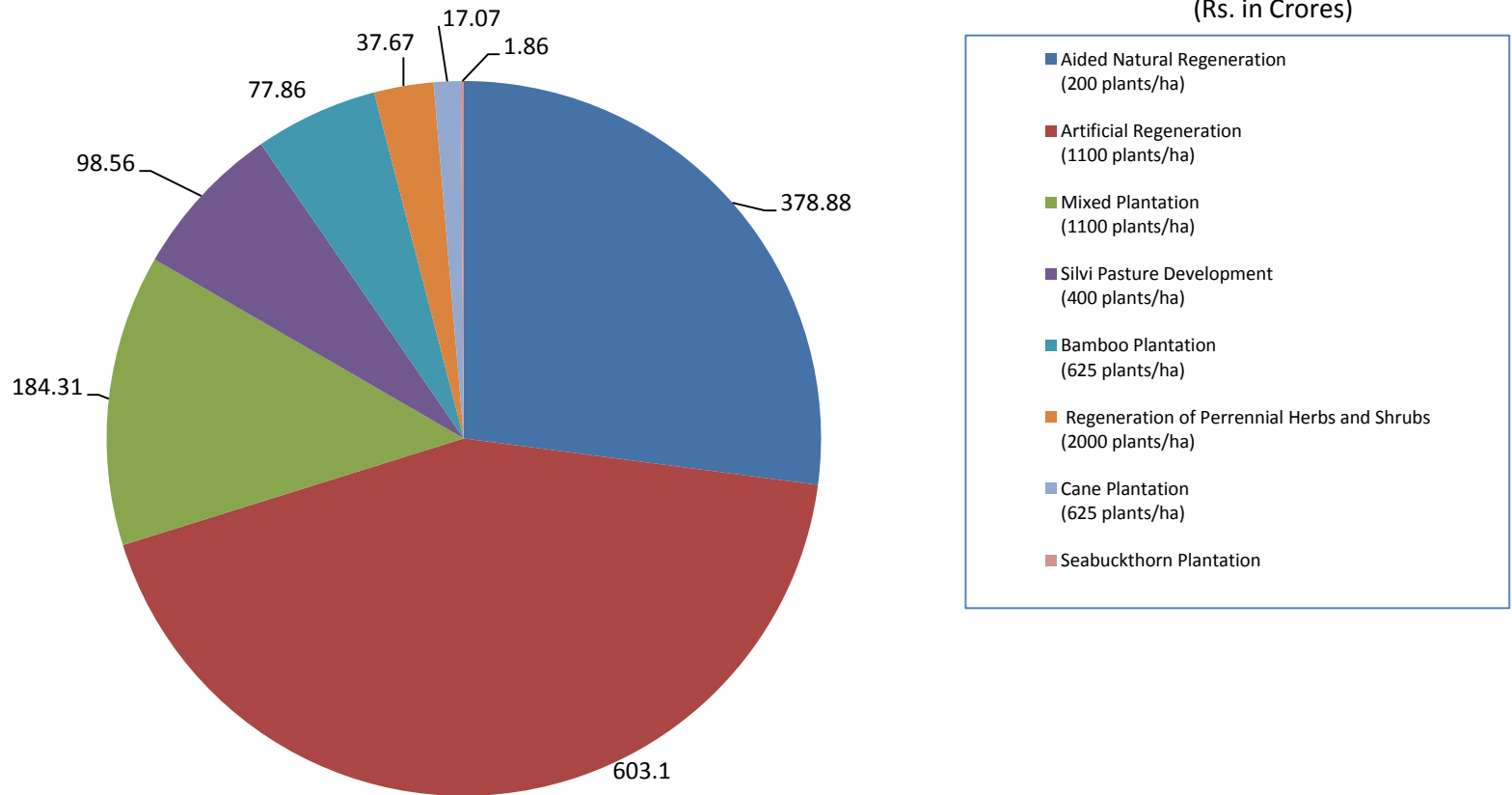
Graph depicting State-wise details of Joint forest Management Committees (JFMCs) involved in NAP



Seven Plantation Models



Pie diagram depicting consolidated amount released under seven different Models taken up under NAP during 2010-11 to 2015-16



National Afforestation Programme



Initiatives

- ❑ Release of 75% of APO Cost under 1st Installment
- ❑ An advisory -To give thrust to augmentation of water and fodder availability in the degraded area by utilizing the earmarked flexi funds under NAP
- ❑ Inclusion of new components - Value addition and Marketing of forest produce, Training and Capacity building of local communities for livelihood improvement.
- ❑ Special provision for adoption of Improved technology, treatment of problem lands
- ❑ Institutionalizing channelizing of investments from Corporate Social Responsibility (CSR) funds for afforestation.
- ❑ Inventory of plantations of NAP using IT systems and GIS/web based monitoring.

National Afforestation Programme



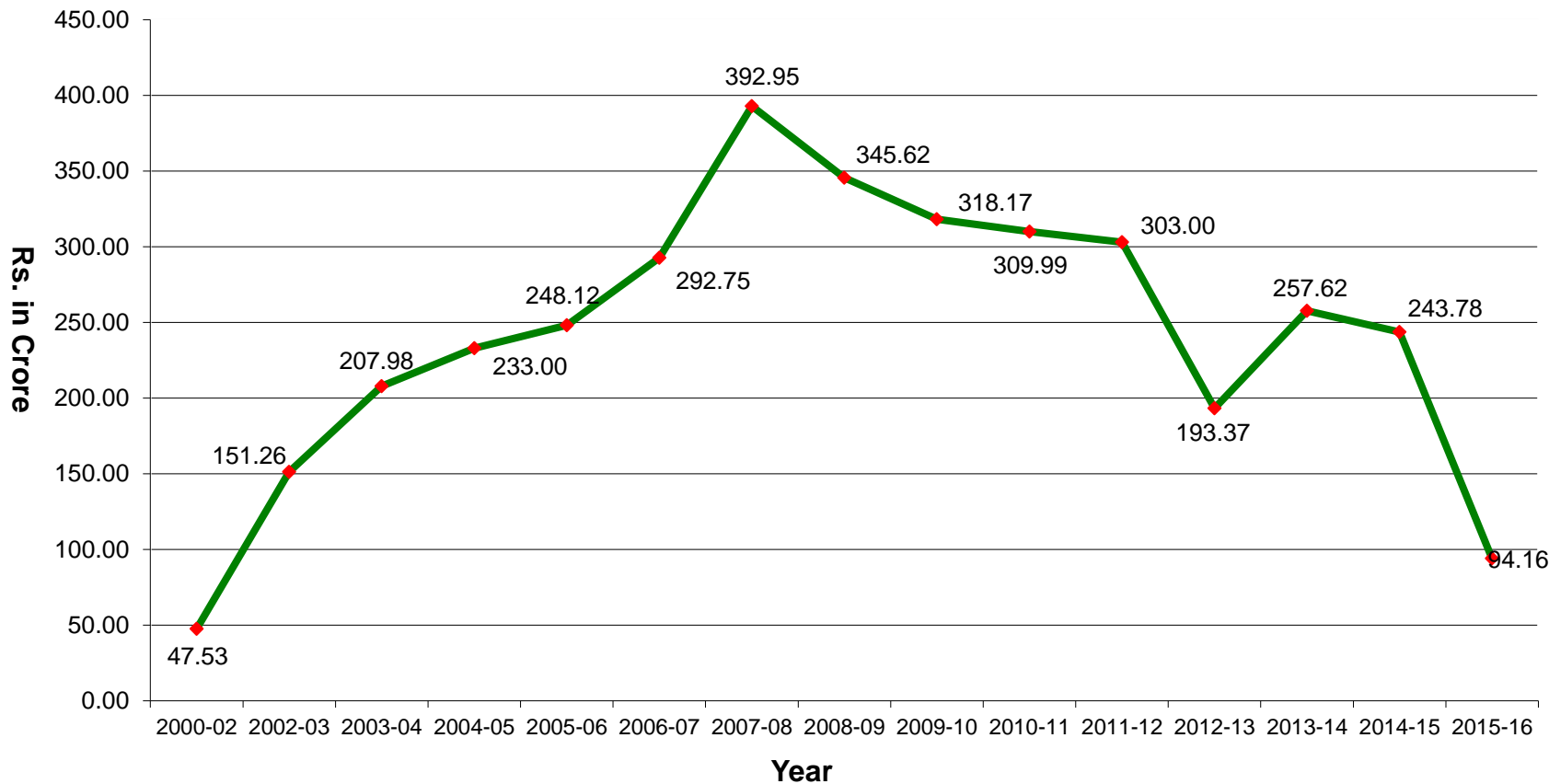
Issues

- ❑ Allocations in annual plans not commensurate with Outlays. Budget cut imposed in the last quarter of financial year in the last 3 years has led to serious constraints in implementation of NAP.
- ❑ With increase in wage rate & static budget targeted area for afforestation had been on the decline. **Only 35,986 ha new areas could be sanctioned during 2015-16 as against 2 to 2.5 lakh ha. of average annual area sanctioned for new plantations.**
- ❑ **B.E. 2016-17 is Rs. 60.00 crore** as against the total requirement of **Rs. 452.61 crores** (Rs.159.69 crores for committed liabilities and pending payments of previous years and Rs 292.92 crores for taking up 1.5 lakh ha AW)- to accelerate the committed objective of this scheme and to sustain this programme

Amount Released under NAP



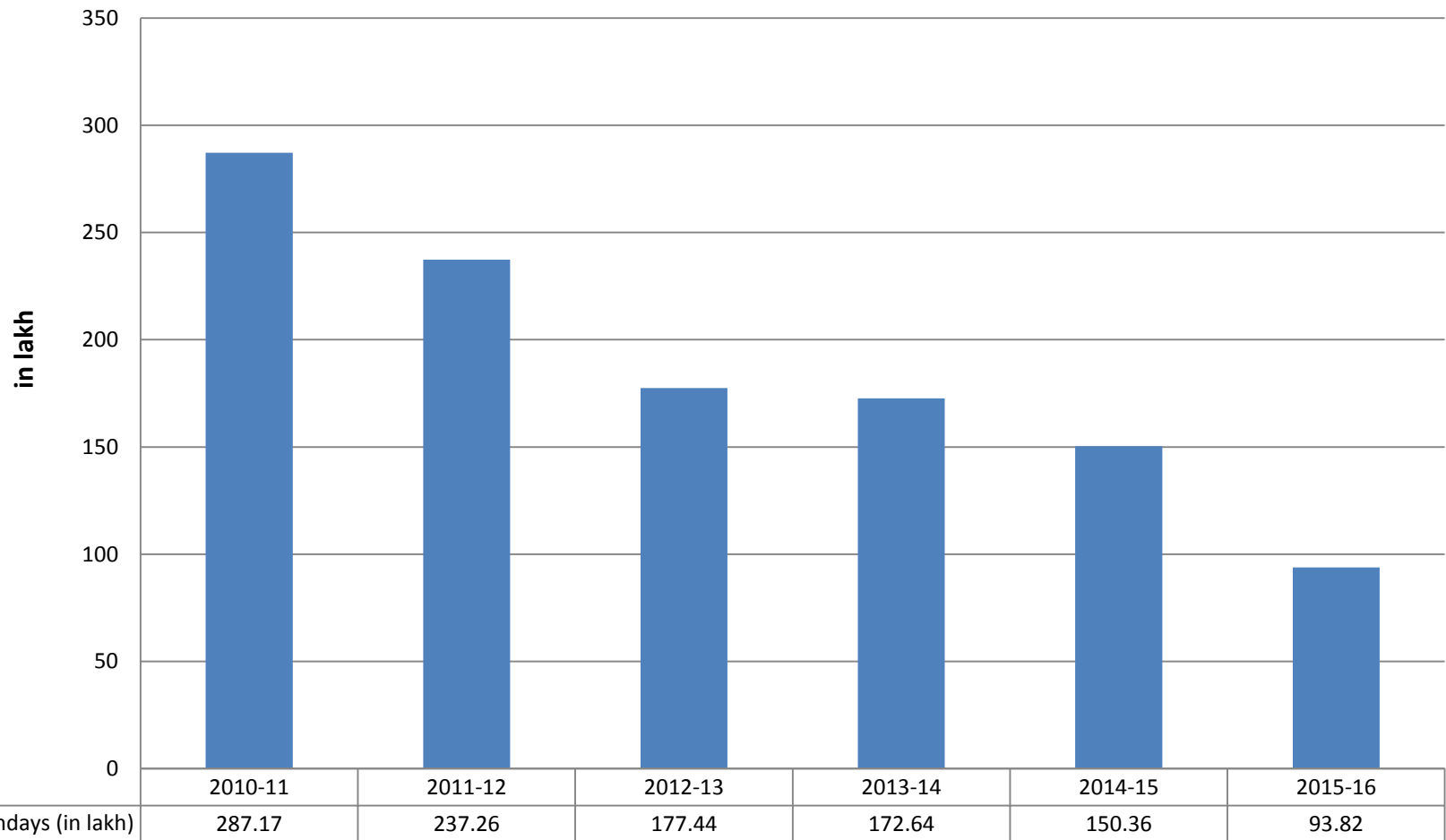
Graph depicting amount released from 2000-02 to 2015-16 under NAP



Mandays Generated



Graph depicting Mandays generated in NAP during 2010-11 to 2015-16



Eco-Task Force (ETF)



Profile

- ❑ Initiated as a Central Sector Scheme with a view to securing involvement of ex-servicemen in eco-restoration activity with material and technical support of SFDs in remote and difficult areas and their Welfare/Rehabilitation.
- ❑ Six Battalions of Ex-servicemen /Territorial Army funded by MoEF&CC. Cost of ETF is reimbursed by MoEF&CC to MoD.
- ❑ Locations- Uttrakhand – 2, Rajasthan – 1, J&K – 1, Assam - 2.

Achievements

- ❑ Welfare of Ex-Servicemenover 2100
- ❑ Around 65,000 Ha. Restored so far.

Eco-Task Force (ETF)



Sl. No..	Battalion	Year of Raising	Location & State
1	127 InfBn	1981	Shivalik Hills (Uttarakhand)
2	128 InfBn	1981	Jaisalmer, (Rajasthan)
3	129 InfBn	1988	Samba, (J & K)
4	130 InfBn	1994	Pithoragarh (Uttarakhand)
5	134 InfBn	2007	Sonitpur West, (Assam)
6	135 InfBn	2007	Haltugaon, (Assam)

- Till date Bills amounting to around Rs. 138 crores are pending to be reimbursed.**
- Establishment & Operational Cost getting escalated ,Review expenditure to optimise the cost with TA Directorate making the eco-restoration work financially sustainable and cost effective.**
- Request from States for more ETFs, cannot be complied due to severe budget constraint.**

National Afforestation and Eco-Development Scheme



❑ **NAEB Establishment : Salary, Office Expenses etc.**

❑ **Monitoring & Evaluation**

- i) ETF Eco-restoration,
- ii) 20PP- Afforestation,
- iii) NAP Plantations

Issues:

Since 2014-15, no funds provided for monitoring and evaluation of plantations

❑ **Communication and Awareness – Exhibitions, Workshops, Awareness etc**

Issues:

Since 2014-15, no funds are provided for communication and awareness of the programme

❑ **IPVM Awards:** Since 2011-12 onwards, processing, scrutiny and Selection Committee meeting for IPVM awards could not be held due to non-availability of budget .

Forestry Sector Allocations/Grants under Finance Commissions



- ❑ Forest Grants under 13th Finance Commission (2010-2015)-Total allocation Rs. 5000 crore out of which Rs. 4431.80 crore released to States by 2014-15.
- ❑ No separate grants for forests by 14th Finance commission –Instead assigned 7.5 per cent weight to the forest cover.
- ❑ Based on the Total Tax devolutions during the years 2015-16 and 2016-17, the Forest share comes around **Rs.37,964 crores** and **Rs. 42,775 crores**
- ❑ The latest compilation by NAEB on forestry allocations in the states shows a gloomy picture of **Rs. 11,385.84** crores and **Rs. 9,089.48** crore during 2015-16 and 2016-17.



Let us conserve our forest ecosystems & biodiversity for food, water security, poverty elimination and sustainable development....

Thanks