




# Coffee in North Eastern Region

**Presentation by**

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# Coffee & 7 Sister's- NER



Coffee cultivation in NE Region started at Cachar District of Assam in 1953.

Commercial cultivation started 1970s at Garo Hills (Meghalaya) to wean away local community from Jhum cultivation practices.




## Area under coffee in NER – State wise





State	Planted Area (in Ha)			Bearing area (In Ha)		
	Ara.	Rob.	Total	Ara.	Rob.	Total
Assam	385.52	368.87	754.39	267.02	288.20	555.22
Meghalaya	347.30	518.90	866.20	304.80	429.45	734.25
Arunachal Pradesh	0.50	301.80	302.30	0.50	153.50	154.00
Nagaland	1929.00	200.00	2129.00	600.00	50.00	650.00
Manipur	135.50	Nil	135.50	20.00	Nil	20.00
Tripura	207.05	145.25	352.30	50.00	80.00	130.00
Mizoram	930.35	3.50	933.85	393.55	3.50	397.05
<b>Total</b>	<b>3935.22</b>	<b>1538.32</b>	<b>5473.54</b>	<b>1635.87</b>	<b>1004.65</b>	<b>2640.52</b>









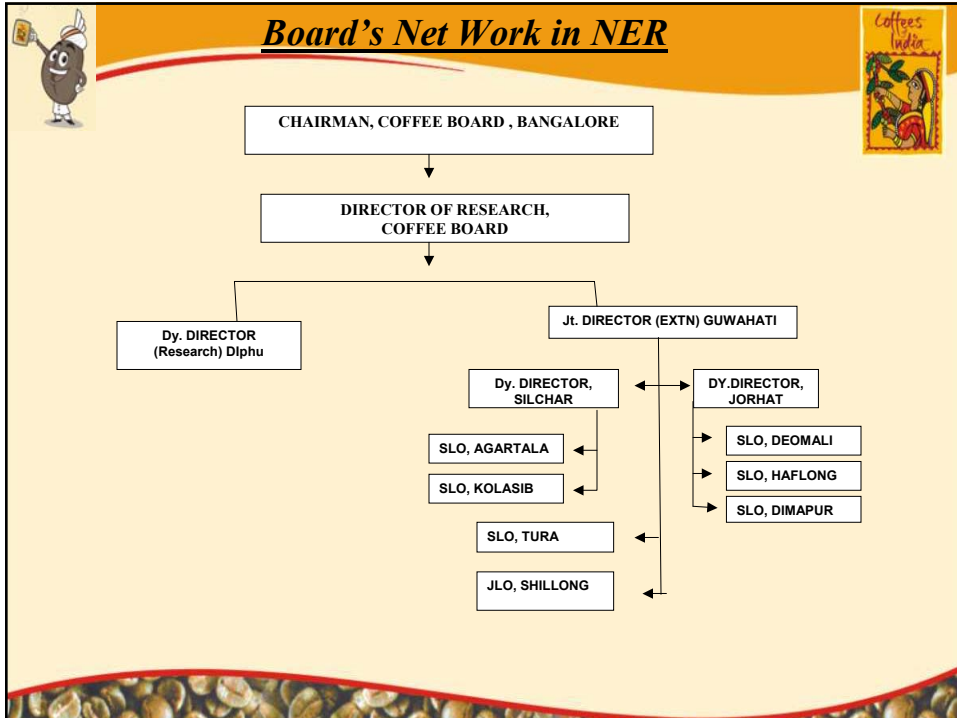
## Coffee Holdings in NER – State wise

State	No. of holdings		
	< 10 Ha.	>10 Ha.	Total
Assam	794	3	797
Meghalaya	1010	Nil	1010
Arunachal Pradesh	168	2	170
Nagaland	1452	1	1453
Manipur	108	Nil	108
Tripura	577	Nil	577
Mizoram	1507	3	1510
<b>Total</b>	<b>5616</b>	<b>9</b>	<b>5625</b>



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- ## Coffee in NER
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- The initial growth and establishment of coffee in NER was encouraging.
  - A comprehensive survey was carried out by the Board in 1970s for coffee development in NER.
  - Over 40,000 Ha in about 300 villages of 39 districts in 7 states of NER identified for coffee cultivation.
  - With financial support of NABARD coffee planting program was undertaken by
    - The State Plantation Crops Development Corporation in Assam, Arunachal Pradesh, Manipur, Nagaland & Tripura
    - Soil Conservation Department in Meghalaya & Mizoram.
  - An extent of about 13,000 Ha brought under coffee by the above program, of which 7000 Ha was handed over to 5000 tribal growers.
  - Later, coffee plantations of Corporations/Departments were abandoned due to lack of financial support from State Governments.
  - Various socio-economic reasons also led to neglect of holdings with tribal sector.
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## Special Area Programme (SAP)

*Coffee Board has been implementing a Special Area Program (SAP) in N.E.Region from IX Plan onwards*

**Objectives of SAP:**

- \* Promote coffee cultivation in the tribal tracts
- \* Wean away local communities from Jhum cultivation
- \* Generate gainful self employment
- \* Increase productivity/production
- \* Expand/Consolidate coffee area
- \* Help afforestation through shade trees to maintain ecological balance



## Special Area Programme (Contd.)



### Support under SAP:

- Extending subsidy @ Rs.15000/- per Ha for coffee expansion/ consolidation.
- Market support @ Rs.10/Kg towards cost of collection, curing, transportation & marketing of coffee.
- Supply seed material for coffee expansion/consolidation.
- Training on cultivation aspects to growers
- Technological inputs to growers to improve productivity & quality
- Establishment of SHGs as part of community approach.



## X Plan- SAP achievement



### COFFEE EXPANSION

State	X Plan physical target (Ha.)	Physical Achievement Ha.)
Assam	300	240.00
Arunachal Pradesh	250	233.00
Meghalaya	200	172.60
Mizoram	700	648.65
Manipur	100	319.40
Nagaland	1200	1372.50
Tripura	250	211.90
<b>TOTAL</b>	<b>3000</b>	<b>3198.05</b>





## X Plan- SAP achievement



### COFFEE CONSOLIDATION

State	X Plan physical target (Ha.)	Physical Achievement Ha.)
Assam	700	247.00
Arunachal Pradesh	Nil	10.00
Meghalaya	500	88.00
Mizoram	250	1.00
Manipur	100	0.00
Nagaland	1200	340.50
Tripura	250	3.50
<b>TOTAL</b>	<b>3000</b>	<b>690.00</b>



## Support for expansion of coffee in NER



- The Board extends Rs. 15000/ Ha to take up fresh planting of coffee in suitable areas for the following activities.
  - Raising nursery (Seeds/ Poly bags).
  - Planting of coffee and after care.
  - Staking, mulching and hutting.
  - Weeding, Shade planting and management.





## Support for consolidation of existing coffee holdings



- The Board extends Rs. 15000/ Ha to take up following cultivation practices to improve production/productivity in existing coffee holdings.
  - Infilling of vacancies and aftercare (Seeds/poly bags/nursery).
  - Soil management & amendment practices (Trenches, soil conservation, liming, manuring) .
  - Shade planting and shade training.
  - Bush management (Centering, handling and Pruning).
  - Plant protection measures.



## Present status of coffee in NER



- About 2,200 ha under coffee cultivation at the end of IX Plan period .
- Around 3,200 ha was brought under fresh planting during X Plan.

Thus...

- Total coffee planted area in NER is around 5400 Hectare.
- Of which, total bearing area is about 2600 hectares.
- Production in 2005-06 was around 250 MTs comprising 175 Mts of Arabica and 75 MTs of Robusta.
- The present productivity levels are very low (<100 kg/ ha)





## Coffee Devt in NER- Gaps identified



- Coffee development program taken up in a scattered manner across all seven states of NER
- Lack of adequate technical man power to take up development activities
- Lack of involvement by concerned State agencies
- Inadequate adoption of technology by growers due to socio economic reasons
- Poor accessibility and security issues



## Coffee Devt in NER- Gaps (contd..)



- Large vacancies in coffee holdings .
- Long gestation period of coffee requiring sustained investments and involvement which is a deterrent to tribal growers.
- Only Board's support (Rs.15000/Ha) insufficient to attract growers for consolidation activity.
- Inclement weather coinciding with harvest contributing to the deterioration of quality.
- Inadequate processing & marketing facilities
- Diseases/disorders specific to N.E. region (Black bean).





## Coffee Devt. in NER – Study reports & Recommendations



*An Evaluation study was conducted by University of Agricultural Sciences, Bangalore. The salient observations are listed below*

### Impact

The programme implemented by Coffee Board has sensitized the tribal people about the coffee cultivation methods and to some extent contributed to the improvement of their economic condition.

### Recommendation:

- Though coffee development improved the socio-economic conditions of tribal coffee growers to some extent, to generate supplementary income mixed cropping is needed.
- Integration with other central/state department programmes is a must to facilitate collective implementation of the programme/schemes
- Concerted inter-disciplinary bottom up extension approach should be implemented to trigger off the benefits of the development programmes.



## Coffee Devt. in NER – Study reports (Contd.)



- **A techno feasibility study** was also conducted by a team of senior scientists and extension officers of the Coffee Board in 2006 to assess the status of coffee development in N.E.Region, identify gaps and recommend future strategies
- Based on the recommendations of these studies, suitable strategies have been worked out for coffee development in NER





## Strategies for Coffee development in N.E. Region during XI Plan




- Consolidation of coffee development in most suitable locations
- Restrict coffee development to technically feasible regions in a cluster approach, giving priority to those areas where State Governments participate in coffee development
- Focus on coffee based cropping system to augment overall farm income
- Capacity building among stake holders
- Infrastructure support for processing
- Financial support for expansion, consolidation, quality up-gradation and market development




## Support for coffee devt in XI Plan



- *Expansion of coffee in new areas.*
  - seeds, nursery, planting (coffee+shade), after care
- *Consolidation of weak coffee holdings*
  - gap filling, plant & shade management, soil management, pest & disease control
- *Quality up-gradation*
  - Pulpers, drying yards, storage
- *Diversification*
  - intercrops viz. banana, areca & citrus
- *Market support*
  - To process, store, transport & dispose



## North Eastern Region - What we do and expect in XI Plan





**The Output and Outcome envisaged in XI Plan for the development of coffee in NER are :**

**Output :**


- In XI Plan 2,000 hectares of coffee area will be consolidated and 1,600 hectares will be newly brought under coffee in most suitable areas
- Farm diversification would be introduced to enhance the farm income as well as improve environmental quality
- Market support and processing facilities will be provided
- Location specific package of practices would be evolved

**Outcome :**

- Production and productivity will improve.
- Farm income will improve
- Quality of coffee will improve for better marketability

## NER- XI Plan Activities




**Activity wise physical targets :**

	2007-08	2008-09	2009-10	2010-11	2011-12	Total
<b>1. Expansion</b> (In Ha)	200	300	300	400	400	1600
<b>2. Consolidation</b> (In Ha)	400	400	400	400	400	2000
<b>3. Diversification</b> (In Ha.)	200	200	200	200	200	1000
<b>4. Drying yards</b> (No)	20	20	20	20	20	100
<b>5. Pulpers</b> (No)	50	50	50	50	50	250
<b>6. Market support</b> (MT of coffee)	250	250	300	300	400	1500

<b>Physical – Abstract</b>						
In Ha (Activities 1 to 3)	<b>800</b>	<b>900</b>	<b>900</b>	<b>1000</b>	<b>1000</b>	<b>4600</b>
In No. (Activities 4 & 5)	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>350</b>
In MT ( Activity 6)	<b>250</b>	<b>250</b>	<b>300</b>	<b>300</b>	<b>400</b>	<b>1500</b>





# NER- XI Plan Activities



## Proposed State wise Activities in XI Plan :

	Assam	Mizoram	Meghalaya	Nagaland	Tripura	Total
<b>Expansion</b> (In Ha)	300	400	300	300	300	<b>1600</b>
<b>Consolidation</b> (In Ha)	400	600	500	400	100	<b>2000</b>
<b>Diversification</b> (In Ha.)	200	300	200	200	100	<b>1000</b>
<b>Drying yards</b> (No)	20	30	20	20	10	<b>100</b>
<b>Pulpers</b> (No)	50	50	50	50	50	<b>250</b>
<b>Market support</b> (MT of coffee)	400	400	300	250	150	<b>1500</b>



# NER- XI Plan Activities



## Activity wise Financial Outlay (In Rs. Cr) in XI Plan

	2007-08	2008-09	2009-10	2010-11	2011-12	Total
<b>Expansion</b> (Rs.Cr.)	<b>0.40</b>	<b>0.60</b>	<b>0.60</b>	<b>0.80</b>	<b>0.80</b>	<b>3.20</b>
<b>Consolidation</b> (In Cr.)	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>	<b>3.00</b>
<b>Diversification</b> (In Cr.)	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.25</b>
<b>Drying yard</b> (In Rs. Cr.)	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.20</b>
<b>Pulpers</b> Financial (In Cr.)	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.20</b>
<b>Market support</b> (In Cr.)	<b>0.30</b>	<b>0.30</b>	<b>0.36</b>	<b>0.36</b>	<b>0.48</b>	<b>1.80</b>
Non – Recurring (In Rs.Cr.)	<b>1.43</b>	<b>1.63</b>	<b>1.69</b>	<b>1.89</b>	<b>2.01</b>	<b>8.65</b>
Recurring (In Rs.Cr)	<b>3.57</b>	<b>3.37</b>	<b>3.31</b>	<b>3.11</b>	<b>2.99</b>	<b>16.35</b>
<b>Financial Total</b> (In Rs. Cr.)	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>25.00</b>





## North Eastern Region - Recent initiatives



A modern coffee processing unit has been installed at the Coffee Demonstration Farm, Baulpai, Kolasib, Mizoram to process coffees produced by growers in N.E. Region.



# Thank You

A large cartoon coffee character with a smiling face, wearing a white turban and a white shirt, holding a large coffee cup with steam rising from it. The character is positioned on the right side of the slide. In the bottom left corner, there is a red circular logo for the Coffee Board of India, featuring a map of India and the text 'COFFEE BOARD OF INDIA'.