

Sustainable Development of Forest base Industries in East Vidarbha

Dr. Pramod Dhokane,

Rashtramata Indira Gandhi College Jalna.

Introduction:- In modern recent 10 to 15 years, the shortage of raw material to wood -Base industries and the proposed leasing of degraded Forest land for captive plantation by Industries among different stockholder and decision Markers and plainer of Indian, Economisties , wood-base industries have been using natural Forest as resource base for their raw material and continued to with draw Forest Forest produce at concessional prices. All Indian State Government with industries without any consideration of sustainability. At no point of time of the government had the required fund to rehabilitate such degraded forest and also the forest based industries did not invest any part its profits for the regeneration of Exploited forest. The National Forest policy of 1988, for the first time provided regulation for the establishment of forest base industries and supply of raw material to them. The practice of supplying forest produce to industries on administered price was stropped

* **Hypothesis** :-National and state Policy will be to ensure that the decentralized sector acquire sufficient vitality to be supporting regional development.

***Aim and Objective:** -

I) To study of special analysis dimension of forest base industrial development in East Vidharbha.

II) To study the effect of Non-Physical Factor on Industrial development.

***Methodology**-The Present paper research work the data is to be collected through primary data, personal Interview for which questionnaires for forest Industries unit. Secondary data obtain from related socio- economic review district government Forest offices yearly plan district census Hand book.To focus on distribute large and small scale unit provide variation of forest base Industries in East Vidarbha.By Index method use percentage and variation.

$$P01 = \frac{\sum p1}{\sum p0} \times 100$$

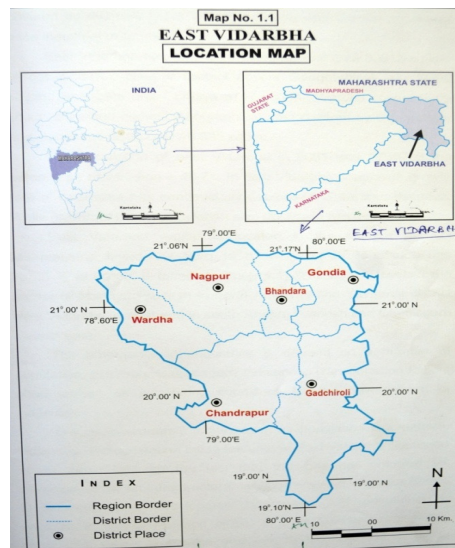
P01 - Fixed base index number

P1- Current year price

P0 – Base year price

- Study Region-**The East Vidarbha region has been selected for the present paper study because this region is one of the important administrative division in Maharashtra State and has some peculiar characteristics which differ it from west Vidarbha. Economically it is a backward area but in natural resources. This region comprises six districts: Nagpur, Wardha, Gondia, Bhandara, Chandrapur and Gadchiroli which is about 51377 sq.km. It is also known as "Vidarbha". Geographically it extends from 20° 10' to 21° 06' North latitude and from 78° 68' to 80° 00' longitude.

• Map No.1



Wood base industries and their requirement of raw material :-

Forest base industries that use wood as raw material and pulpwood bases, swan wood based, veneer based piles and logs based. A part from being

affected by the general slow down Economy, its growth has also been affected by the shortage of the raw material. According to the annual administration report of the forest industries in East vidarbha region.

Paper and paper Products industry. Which had growth rate of 9% percent in 2008-09 has slow down considerable registering a sharp fall in the growth rate of 2 % present in Jan-2010 the growth industries rate of wood and wood product Industries has also decrease.

East Vidarbha Demand Projection of wood for Industries: - The East Vidarbha total Industries demand for wood up to 2020 in terms of round wood timber firewood equivalent will rise from 61 cu.m and firewood 68 cu.m in year 2010 to 122 cu.m. and firewood 190 cu.m. in year 2020, i.e.

Demand for Pulpwood Base Industries: - The Industries consuming pulpwood are primarily paper and paper board, news print and rayon grade pulp. The demand projections for the these Industries have been mentioned above however the combine demand of the pulpwood base Industries are given in table.

Table No.1

Year	Installed capacity(Tons)	average) capacity	Production (Tons)
1981-82	121400	13488	89836
1982-86	182100	20233	136575
1986-90	202333	18393	133539
1990-95	244814	20437	146129
1996-2000	274772	22897	192340
2001-2005	518158	349373	353182

(Source :- Indian forester Information system I FJS 2905)

Development under Eleventh Five year plan East vidarbha status of Forest and policy for forest base Industrial development: -

Forest in East Vidarbha are Under sustantial and to increasing demand of products and services. Forest in their present depleted conditions are unable

in their present depleted conditions are unable to bear the heavy pressure of multifarious demand including that of industries the pressure of growing population livestock, fuel wood and other forest uses has created growing demand in excess of the ability of the forest to meet on sustainable bases. Although part of deficit is being met from social forestry- agro forestry and Agricultural residue .but large part of the deficit is being met from unauthorized over exploitation of public forest leading to their further duration

Table No.2**Industrial projected demand species (Million m3) 2005-2020**

Industries	year	year	Year	Year
	2005	2010	2015	2020
1) paper & paper board	2.38	6.96	13.40	25.54
2) News print	1.78	2.58	3.42	6.23
3) Rayon Grade	2.80	3.10	3.40	3.80
4) Packaging	2.77	3.20	3.78	4.50
5) Plywood	4.50	7.00	9.45	13.80
6) Veneer	0.13	0.22	0.25	0.35
7) Matches Box	2.30	3.00	3.40	4.00
8) mining	1.60	2.00	2.25	2.50
9) Misc Industries	2.35	3.70	4.60	5.58

Source (Dy.I.G. Forest, Forest Policy Division from June to March-2005)

East Vidarbha the total forest area cover being only 2773 sq.k.m. of the geographical area of this region as against a required forest tree cover of ^{1/3} rd of geographical area stipulated in the forest policies of 1952 and 1988 forest are not in condition to play their optional role in effective water and soil conservator and environmental amelioration. The regional need immediate attention for

rehabilitation and regeneration. But the situation persists since last many year for want of financial resources and their forest base Industries may come rehabilitants of this forest and utilizing the products as raw material on sustainable bases.

Current Demand and supply gap for Industrial wood :-

The annual demand in East vidarbha 200-09 of Industrial timber has been estimated as 25.7 Million m³. The availability and supply of Industrial timber in round wood equivalent. From all sources as describe in above part, have been estimated and shown in table No.3.

Table No.3

Current Demand –Supply Gap For Industrial wood.

Production source	Availability	Supply Million m ³
1) National Resources	7.7	5.8
2) Government Plantation Social Forestry, Farm Forestry	12.2	10.03
3) Total From all Sources	19.9	16.1
	25.7-19.9=5.29	25.7-16.1=10.96

Source (Dy.I.G. Forest,Forest Policy Division from June to March-2008-10)

It's seen from the above table that as current availability of timber on sustained basis, the gap only 5.29 million m³ but the actual gap is 10.96 million m³ due to conservator measures. The availability will further increase by technology based plantation and management and then there will be hardly and gap. As per the data of timber availability above the short fall in industrial timber as present is only 12%

Conclusion and Recommendation:-

The Requirement of raw material to the wood –based industries ,fuel wood to people and for sustainable development of forest following recommendation on the basis of facts describe above are being made.

- 1) The Forests and the available wasteland have the potential to produce industrial wood more than that required by the wood based industries.
- 2) The Government should ensure for the national goal envisaged the policy for bringing 33 percentage of the country area under forest and tree cover within the next twenty year as planned in the National Forest Action Programme for meeting environmental , social and economic needs.
- 3) Degraded and marginal lands for the purpose of tree plantation for wood production, may be exempted from land ceiling laws.
- 4) Timber transit rules may be modified and the trees grown on private lands, Irrespective of species should be exempted from this regulation.
- 5) Farmers may also be provided , if required credit or soft loan by the government for taking gap plantation farmlands.

The conclusion may be used full in farming policy strategy, acceptable to all the stake holder , government needs funds for rehabilitation of degraded forests and for stability of rehabilitation of degraded forests and for stability of environment industrial need raw material and people need. Enhanced production from forests and the agricultural stability Interests of all three are inter lined. Visible mechanism can be evolved, acceptable to all stake holders for the sustainable development of forests, meeting the requirement of local people and producing raw material for wood base Industries.

References Books :-

- 1) Forest Department- M.S., Annual administration report year 200-08
- 2) Socio-Economic review and district statistical abstract 2010-11
- 3) Annual report of small scale industries development organization New Delhi 1986-87
- 4) Report of the Study on 'forest resources' Ministry of environment and forest, New Delhi.
- 5) State of forest report , forest survey of India , Dehra Dun.