OF TRIBAL AREAS IN ANDHRA PRADESH

Report of the Expert Committee

SOCIAL WELFARE DEPARTMENT GOVERNMENT OF ANDHRA PRADESH HYDERABAD



INDUSTRIALISATION OF TRIBAL AREAS IN ANDHRA PRADESH

Report of the Expert Committee

GOVERNMENT OF ANDHRA PRADESH HYDERABAD

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INTRODUCTION²

The scheduled areas of Andhra Pradesh, as elsewhere, are endowed with rich natural resources such as forests, minerals and water. But the tribes inhabiting these areas lack the necessary initiative to exploit these natural resources to their advantage either through the promotion of industrial activity or through the adoption of modern agricultural technology. It, therefore has become imperative to plan for the human resource development among them such that they not only are equipped with technical and managerial skills but also with entrepreneurial abilities. Alongside of this exercise, a scientific mapping of the available natural resources needs to be done so that establishment of suitable industries could be planned and rapid industrialisation achieved.

It is to this task, that, the Government of Andhra Pradesh have addressed themselves and constituted (vide G.O.Ms. No. 19 of Employment and Social Welfare Department; dated the 3rd January, 1975; and Gover Memo, No: 148-F1/75-1300f the same Department, dated the 19th May 1975) ian Expert Committee on Industrialisation of Tribal Areas in the State.

gram indust web related to momental this The committee comprised the following : der variegnen söllter i her Aug sällter 1. The Secretary to Government, Industries Department, m im Hyderabad ment heiniteb shi n 2. The Director of Industries, HarHyderabad. Line teubrit and , inmod laurenter 3. The Managing Director, Andhra Pradesh Industrial Development Corporation, Hyderabad of a list field of the 4. The Managing Director, Andhra Pradesh Small Scale Industrial Development ιđω. Corporation, Hyderabad. 5. The Director, • . icar Khadi and Village Industries Commission, Hyderabad. 6. The Managing Director. Ξſ Andhra Pradesh Industrial

Infrastructure Corporation,

Hyderabad.

Chàirman Chàirman Member Diang Linghia Chairtean Member Chairtean Member Chairtean Cha

Member Billio (S Rifer Logici e C Rifer Logici e C

Member

Member

 7. The Deputy Secretary to Government, (Tribal Welfare), Employment & Social Welfare Department, Hyderabad. 	Member	
 The Director of Tribal Welfare, Hyderabad. The Director, Tribal Cultural Research and Training Institute, Hyderabad. 		
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The specific aspects on which the committee was asked to study and report were or of the spectra and the set of 1); to assess the potential and examine the scope: of establishing agroforest large-scale small-scale; and cottage Industries in the tribal areas; it is the tribal areas;

and a start get a 2) to formulate a guided promotive industrial development policy for the tribal areas;

3) to initiate a continuing dialogue between the different promotive agencies and the entrepreneurs in different sectors viz. public, private and co-operative;

4) to suggest suitable schemes for improving the technical know-how, skills and entrepreneurial abilities among the tribals;

5) to consider the role of the State Government, Industrial and Financial institutions such as the Andhra Pradesh Industrial Development Corporation, Andhra Pradesh Small scale Industrial Development Corporation, Andhra Pradesh Industrial Infrastructure Corporation, Andhra Pradesh State Financial Corporation, Khadi and Village Industries Commission, Girijan Co-operative Corporation, Visakhapatnam, Small Industries Service Institute for development of Industries in tribal areas;

6) to consider the nature of concessions to be given for promoting Industries in tribal areas and, in particular, to examine the procedural, financial and fiscal and other incentives for private sector;

and the second 7) to examine the scope for starting Industrial estates in tribal areas on cooperative

8) to suggest self-employment schemes for the educated un-employed among the tri-

9) to examine the scope for establishing Girijan Industrial Development Corporation exclusively for the tribal areas.

Working of the Committee

The Committee, in all, has held 20 sittings and had discussions with representatives of commercial banks, the Andhra Pradesh State Cooperative, Bank, the State Financial Corporation and also with a number of officials including Dr. B. D. Sharma. IAS, Joint Secretary to Government of India, Ministry of Home Affairs, Shri P. V. Rao, IAS, Deputy Secretary to Government of India, Shri S. V. S. Sarma Principal-Director, Small Industry Extension Training Institute, Shri K. V. S. Surya-narayana, IAS, Managing Director, Girijan Co-operative Corporation and Shri R. K. Rao, Assistant Chief Conservator of forests.

The Committee examined the following background papers submitted to it by various departments and agencies.

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1. Tribes of Andhra Pradesh, Company of the state of the

- 1. Fribes of Andhra Pradesn. 2. Plan policies and views of various committees and commissions on village and small-scale industries.
- 3. Industrialisation of tribal tracts of Andhra Pradesh,
- 4. Planning for industrial development of tribal areas,
- 5. Training Programmes for educated tribal youth and artisans.
- 6, Schemes for improving technical and other skills of tribals.
- 7. Proposals for improving the skills and entrepreneurial abilities of tribals.
- 8. Provision of infrastructure facilities in tribal areas.
- intució est 9. Gum industry - Prospects and problems in Andhra Pradesh.
- 10. Forest-based industries in tribal areas
- 11. Incentives and concessions for industries in tribal areas.
- 12. Coordination of industries for tribal areas of Andhra Prädesh.
- 13. Agency for industrial development of tribal areas: $C \in C$
- 14. Action-cum-research programme for development of entreprenuership among The tribals of Visakhapatnam District.

After identifying the issues which needed study in depth, the Committee convened a seminar on the 12th, November, 1975, on: Industrialisation of Tribal Areas for the purpose of having a dialogue on them with the field level functionaries, The participants of the seminar included, in addition to the members of the Expert Committee, the Deputy Directors of Industries of Srikakulam, Visakhapatnam, East Godavari, West Godavari, Khammam, Warangal, Adilabad and Mahaboobnagar districts. The issues which the seminar considered among others were factors inducing industrial growth Cin scheduled areas, identification of growth centres, raw material-based industries, industries based on local skills and as inna that coil with identification of entrepreneurs.

2. M. H. The Report Suid TOW

The Council tee, in all this held 20 storight and had discrete a when a presenta-The Committee constituted a sub-committee comprising Shri D. R. Pratap, its Convenor, and Shri K. C. Asthana, Industrial Advisor (W/S.) Industries Depart ment, for a closer scrutiny of the problems, sifting the mass of material collected and preparing the draft report. The sub-committee conducted further discussions in detail with the representatives of various departments and agencies and prepared the draft report. The report is divided into two parts. Part I comprises 10 chapters and Part II consists of the background papers, statistical data, project profiles and proceedings of the seminar. Ye is of he budye some incorpland principal in heriman construct U. A.

Background Papers are presented by various Departments and Experts, while Project Profiles are mostly prepared by the Industries Department and Khadi and Village Industries Commision. These Profiles attempt to give broad outlines of industries suggested in Scheduled Tribe areas but these profiles are not to be taken as the last word and a lot of further feasibility study has to go into them before the industries contemplated in Scheduled Tribe areas are set up. Seminar proceedings project theideas and opinions of the participants. Finally Statistical statements furnish useful information on Scheduled Tribes.

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The Committee records its gratitude to the officials of the various departments of the state government; to representatives of the commercial banks, Reserve Bank of India and Andhra Pradesh State Cooperative Bank, Hyderabad, to the Small Industry Extension Training Institute, Andhra Pradesh Small Scale Industrial Development Corporation, Andhra Pradesh Industrial Development Andhra Pradesh Industrial Infrastructure, Corporation, Girijan Co-operative Corporation, State Finance Corporation; Corporation; to all the participants of the seminar; to Dr. B. D Sharma, T.A.S.; Joint Secretary to Government of India, Ministry of Home Affaire Shrid V De Ministry of Home Affairs, Shri P. V. Rao, 17A.S., Deputy Secretary to Government of India, Ministry of Home Affairs, Shui K. V.S. Suryanarayana, Managing Director, Girijan Cooperative Corporation, Shri P. S. Rao, Chief Conservator of Forests for their advice and suggestions at various stages of its work. The Committee specially expresses its gratitude to Dr. B. D. Sharma for his valuable contribumittee spoorary opproved to granuate to pros. Di Sharma for his valuable comment tion of a paper. A sharing much with the second state of the seco

The Committee thanks Shri S. V. S. Sharma, Principal-Director Small Industry Extension Fraining Institute, ShrivR. Purnam, Director, Small Industries Service Institute, and Shri O. Swamynatha Reddy, Managing Director, the Andhra Pradesh State Financial Corporation for their keen participation in the

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The preparation of the report entailed collection and collation of variety of statistics, and detailed study of the problems in depth and this voluminous work has been undertaken by the Sub-Committee comprising of Sri D. R. Pratap, Director, Tribal Cultural Research and Training Institute and Convenor of this Committee and Sri K. C. Asthana, Industrial Advisor (W/S) Industries Department. The Committee also expresses its appreciation for the active assistance rendered by Sri K. Nagabhushanam, Asst. Director, Industries Department and Sri A. Somasekhar, Statistical Officer of the Tribal Cultural Research and Training Institute. The Expert Committee wishes to place on record its gratitude for their untiring efforts in the preparation of the draft report.

1.	Shri S. R. RAM MURTHY	Chairman
2.	Shri P. S. KRISHNAN	Member
3.	Shri C. S. SASTRY	Member
4.	Shri V. P. RAMA RAO	Member
5,	Shri M. VENKATARATNAM	Member
6.	Shri B. K. PENTAIAH	Member
7.	Shri C. S. VENKATESHAM	Member
8.	Shri DHARMA PURIA	Member
9.	Shri D. R. PRATAP	Convenor

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PART I

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Chapter I

ECONOMIC PROFILE

The Area

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I he scheduled area of Andhra Pradesh extends from Bhadragiri Agency in Srikakulam to Bhadrachalam Agency in Khammam and thereon to north-west into Adilabad Agency and all along the periphery of Dandakaranya bordering on the States of Madhya Pradesh, Orissa and Maharastra and accounts for 11,595 sq. miles. The terrain in the scheduled areas is undulating with broad valleys and densely wooded hill ranges. The hill ranges popularly called Eastern Ghats run through northern part of the Districts of Visakhapatnam, East and West Godavari. In addition, there are a number of tribal pockets in the plains in the districts of Nellore, Chittoor and Guntur in which Yerukula, Yenadi, Sugali and Chenchu tribes live. The total tribal population living in the State is 16.58 lakhs which is 3.81 per cent of the total population of the State.

Climate :

The climate in tribal areas is characterised by extreme seasonal variations. The atmosphere is balmy and surroundings placid. The hill ranges run across to form watershed to many a stream creating gorgeous valleys in between. The scheduled areas are well fed by rain water.

During summer, the temperature varies from area to area. It is too hot in Bhadrachalam and cool in hilly areas of Visakhapatnam. Winter is severe in most of the tribal areas.

Forests :

. 1.

The total forest area covered by the 24 Tribal Development Blocks in the State is 28,03,641 acres and is mostly in Visakhapatnam, East Godavari, Khammam and Warangal districts. The important types 2 of forests are (a) tropical dry deciduous, (b) tropical including dry evergreen, (c) mangrove, (d) beach or dune, and (e) bamboo. They are rich in various types of minor forest produce. Bamboo is an economically important forest raw material in the state, increasingly utilised in the fast developing paper industry of the state. Forests also are a vital source of food, shelter and employment for many tribals.

Minerals :

There is considerable mineral wealth in these scheduled areas. Pottery and brick clays are found in Paderu and Chintapalli Taluks of Visakhapatnam district. Graphite is distributed over Bhadrachalam Agency, Yellavaram Agency and Polavaram Agency. deposits of manganese and iron ore are found in the tribal areas of Huge Visakhapatnam, Khammam, Srikakulam and to some extent in West Godavari districts. The Kothagudem Collieries in Khammam district finds an important place on the industrial map of India. semi-precious stones and rare minerals are known to be available in the tribal areas for which a scientific survey has to be conducted.

The People :

Thirty-three tribal groups are found inhabiting the scheduled and plains areas of the state. They are Bagatas, Gadabas, Jatapus, Kammaras, Koyas, Kattunayakans, Konda Dhoras, Konda Kapus, Konda Reddis, Kondhs, Kotia-bentho-oriyas, Kulias, Malis, Manne Doras, Doras or Nooka Doras, Porjas, Reddi Doras, Ivianne Doras, Ivians, Sucalis Venadis Venadis Venadis, Rona or Renas, Savaras, Mukha Chenchus, Sugalis, Yenadis, Yerukulas, Andh, Bhil, Gond, Hill Reddis, Kolams Pardhans, Thotis Goudus M. Andh, Bhil, Gond, Hill Reddis, Kolams, Pardhans, Thotis, Goudus, Nayaks and Valmikis. But numerically Gonds, Koyas, Hill Reddis, Savaras, Bhagatas, Valmikis. But numerand Venadis are the largest groups account and venadis and venadis are the largest groups account account and venadis are the largest groups account ac and Yenadis are the largest groups accounting for more than 50 per cent of the total scheduled tribe population. Savaras, Gadabas, Gonds, Rhaoatas and Konda Reddis are mostly 6

Bhagatas and Konda Reddis are mostly found in the scheduled areas.

While Gonds, Kolams, Naikpods and Andhs are found in Telangana on. Savaras, Jatapus, Malis Kotin D. Andhs are found in Telangana are region, Savaras, Jatapus, Malis, Kotia-Bentho-Oriya and Bhagatas are concentrated exclusively in Andhra area, whereas Yerukulas, Yenadis and Sugalis are scheduled tribes in Andhra Sugalis are scheduled tribes in Andhra area, whereas Yerukulas, Yenaus -in Telangana area. Chenchus are mostly in they are not declared as such in Telangana area. Chenchus are mostly found in Amarabad Plateau and Nallamalai forests. Koyas are found in Amarabad Plateau areas. and Nallamalai forests. Koyas are found in Amarabad Fim. The tribe-wise population as per 1971 Control in Andhra and Telangana areas. The tribe-wise population as per 1971 Census is furnished in Table 1.

5.No.	Tribe	· ·· ·· ·· ·· ···	Males	- Females	Total Population	·
1	2	425 -	3	4	5	·.
1.	Andh		1,095	1,310	2,405	<u> </u>
2.	Bhagata	, <u>-</u>	36,464	35,193	71,657	
3.	Bhil	· · ·	273	287	. 560	
4.	Chenchu		12,780	11,398	24,178	÷ ••
5.	Gadaba		12,408	12,700	25,108	
6.	Gond	•	79,575	77,914	1,57,489	
7.	Hill Reddis	···	2,211	2,095	4,306	
8.	Jatapu	· · · ·	37,533	36,777	74,310	
9.	Koya or Goud		1,43,082	1,42,144	2,85,226	• • •
10.	Kammara		18,083	17,586	35,679	
11.	Kattunayakan	2 1 - 2 - 2	129	160	289	•
12.	Kolam		13,029	13,469	26,498	
13.	Konda Dora		49,944	51,612	1,01,556	. '
14.	Konda Kapu	- 	19,747	18,379	38,126	•
15.	Konda Reddi		21,039	18,379	38,126	
16.	Kondhs (Kodi Desaya Kondł Kondhs, Kutia Sikiria Kondh Kondhs.	ns, Dongria ay Kondhs,	18,252	16,123	34,375	· ·
17,	Kotia—Benth Dartika, Dhul Holva, Paiko, Sesrona & Sidi	ia or Dulia Putiya,	8,951	8,937	17,888	-
18.	Kulia		115	73	188	
19.		1 .	1,021	957	1,978	, ".",

TABLE 1 - TRIBE-WISE - POPULATION-1971

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1 2	3-	4	5 .
20. Manne Dora	4,637	4,735	9,372
21. Mukha Dora or Nooka Dhora	6,690	6,545	13,235
22. Nayak	1,934	2,057	3,971
23. Pardhan	5,559	5,848	11,407
24. Porja (Paragi Porija)	6,263	6,094	12,357
25. Reddi Doras	2,639	2,615	5,254
26. Rona or Rena	7	5	12
27. Savara	40,939	40,288	81,227
28. Sugali(Lambadi)	68,091	64,373	132,464
29. Thoti	1,026	759	1,785
30. Valmiki	14,514	14,453	28,967
31. Yanadi	123,312	116,091	239,403
32. Yerukula	82,780	79,780	162,560
33. Unspecified	5,890	5,160	11,050
. Total :	840,022	817,635	1,657,657

There are 6,141 scheduled villages with 7.36 lakhs of tribal population Region-wise, coastal Andhra, Rayalaseema and Telangana areas accoun for 10.25, 1.91 and 4.43 lakhs of tribal population, respectively.

There are 24 Tribal Development Blocks (TDB) in Srikakulam Visakhapatnam, East and West Godavari, Khammam, Adilabad and Warangal districts covering 6.26 lakhs of scheduled tribe population The remaining tribal population is inhabiting in the plains areas outsid the Tribal Development Blocks of the state. Table-2 gives the distribu tion of tribal population, district-wise :

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IABLE Z-SCHEDULED	TRIBES	POPULATION—DISTRICT-WISE	17/1

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ŜÌ. No.	District	Total population	Scheduled Tribe population	Percentage of Sch. Tribe population to the total population
1	2	3	`4	5
···1.	Srikakulam	2,589,991	212,459	8.20
2	Visakhapatnam	2,805,366	299,970	10.69
3.	East Godavari	3,087,262	119,027	3.85
4.	West Godavari	2,374,306	51,723	2.18
5.	Krishna	2,493,574	50,742	2.03
6.	Guntur	2,844,488	105,478	3.70
7.	Ongole	1,919,995	55,111	2.87
8.	Nellore	1,609,995	130,277	8.09
9.	Chittoor	2,285,536	66,801	2.92
10.	Cuddapah	1,577,267	26,611	1.68
11.	Anantapur	2,115,321	64,878	2.06
12.	Kurnool	1,982,090	32,407	1.63
13.	Mahboobnagar	1,932,082	5,600	0.28
14.	Hyderabad .	2,791,762	4,667	0.16
15.	Medak	1,467,944	120	0.08
16.	Nizamabad	1,313,268	578	0.04
17.	Adilabad	1,288,348	169,299	13.14
18.	Karimnagar	1,963,928	16,433	0.83
19.	Warangal	1,870,933	43,278	2.13
Ż0.	Khammam	1,369,982	201,670	14.72
21.	Nalgonda	1,819,738	519	0.02
	Tota	1: 43,502,708	1,657,657	3.81

The taluk-wise distribution of scheduled tribe population in the state i_s given in Annexure-I.

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Literacy :

The tribal areas are backward from the point of view of education. According to the Census of 1971, the percentage of literacy among tribals is as low as 5.34 when compared with the state literacy rate of 24.56.

Working Force :

According to Census of 1971, the working tribal population is 7,81,838 which constitutes 47.16 per cent of the total tribal population. Out of them 5,14,446 are males. The sex ratio is 973 females per 1,000 males. Among the non-working population, females constitute 63.8%. Majority of tribal workers are found in the age-group of 14 to 44.

Occupational Distribution :

Agriculture is the traditional calling for majority of the tribals. About 85 per cent of the tribal working population is engaged in agricultural sector, while the remaining working population is engaged in nonagricultural sector. Agricultural labour, forest labour and collection of minor forest produce are the subsidiary occupations. According to the Census of 1971, the distribution of tribal workers engaged in agricultural and non-agricultural occupations is given in Table 3.

S.No. Sector	No. of persons	Percentage of workers	
1. 2.	3.	4.	<i>,</i>
Agricultural Sector			···
(a) Cultivators	2,82,239	36.09	
(b) Agricultural labourers	3,83,595	49.06	
	6,65,834		

TABLE 3—DISTRIBUTION OF SCHEDULED TRIBE WORKERS 1971

Non-Agricultural Sector	No. of persons	Percentage of workers
(a) Livestock, Forestry, Hunting and Plantation activities	31,060	3.97
(b) Mining and Quarrying	1,943	- 0.24
(c) Manufacturing, Processing, Servicing and repairs	41,528	5.31
(d) Constructions	3,326	0.42
(e) Trade and Commerce	17,544	2.24
(f) Transport, Storage and Communications	6,019	••
(g) Other Services	14,583	
	1,16,004	
Grand Total :	7,81,838	

The percentage of workers engaged in non-agricultural sector is only 14.9. The district-wise occupational pattern of the scheduled tribes is furnished in Annexure-II. Settled as well as shifting cultivation is the mainstay of the tribal groups. Gonds, Koyas, Valmikis and Bhagatas ore settled agriculturists. Savaras, Gadabas and Khonds practise Podu cultivation. Valmikis pursue a variety of occupations varying from agriculture to moneylending. Savaras of Srikakulam are famous for terraced cultivation. Banjaras are pastorals. They practise settled cultivation and are receptive to ideas of change. Kolams and Naikpods, who. were once shifting cultivators, have now taken up settled cultivation. Chenchus are adepts in forest labour and engage themselves in collection of minor forest produce. Pardhans and Thotis thrive as musicians and ceremonial bards to the Gonds. The main occupations of many of the Yanadis are fishing, hunting rodents and small game, a few of them are engaged also as domestic servants. A few Banjaras and Yerukulas are found to be gainfully employed in service in government and industrial undertakings. Naikpods rear and harvest tassar cacoons. Konda Reddis are basket weavers in addition to being shifting agriculturists.

Almost all the tribals rear and eat poultry, sheep and goats, but pigrearing and eating are restricted to certain tribal groups such as Koyas, Konda Reddis and Yerukulas.

Andhs are considered to be born hunters, but they are now settled on agriculture. Gadabas during non-agricultural seasons are engaged in stone-breaking, earth work, and such other road and construction works of Forest and other government departments and in bamboo and coupe cutting of private contractors of Forest Department. Kammaras are blacksmiths inhabiting the scheduled areas of Srikakulam, Visakhapatnam, East and West Godavari districts. They manufacture and repair agricultural implements of the tribals. Samanthas or Khonds are adepts in hunting and fishing besides being shifting cultivators. They are wellversed in handicrafts like basket and mat-weaving, oil-extraction, etc. They are also engaged as forest labour by Forest Department and forest contractors.

Economy

Primary Sector :

Agriculture has been the traditional calling for most of the tribal groups. The cultivable area and the net sown area per agricultural worker are 1.07 and 0.99 acres, respectively. The man-land ratio in tribal areas works out to 0.753 acres. The average size of holding works out to 3.48 acres in Srikakulam and 4.94 acres in Adilabad.

Livestock in tribal areas suffers from poor feeding, breeding and management. The average number of livestock per cultivator is only nine. When compared with livestock in plains areas, the milk yield and working capacity of the animals in tribal areas is very low.

Secondary Sector :

Tribals are living in a pre-industrialised traditional society. Development of secondary sector is not given the importance that is due to it and efforts for its balanced and integrated development along with primary amount of Rs. 11.12 lakhs was spent for the promotion of secondary sector in tribal areas till the end of the Third Five Year Plan. During the Fourth Five-Year Plan, though some of the employment-oriented programmes such as the training programmes to tribals as masons, motor drivers, apprentices; and trade-assistance programmes were introduced, their impact on the tribal society and economy has not been perceptive.

Power :- The river Machkund is harnessed for power at Machkund, Lower Sileru and Upper Sileru. Kothagudem Thermal Station is also located nearer the tribal villages in Khammam district. But the consumption of electricity for domestic, agriculural and industrial purposes in tribal villages nearby is almost negligible. This is evident from the fact that the percentage of villages electrified in tribal areas is only 2.9 as against 3.47 in the state. About 116 villages out of 6,141 villages in the scheduled areas have been electrified by the end of the Fourth Plan. These are in the districts of Srikakulam, Visakhapatnam, East Godavari, West Godavari, Khammam, Warangal and Adilabad. By the end of Fifth Plan, it is proposed to electrify about 700 tribal villages.

Roads: :

The tribal areas are less developed in the matter of transport facilities. The existing road mileage in the scheduled areas works out to 6.7 per 100 sq. miles as against 38 per 100 sq. miles in the plains.

Railways :

Most of the tribal areas in the state are not directly connected by railways. It is only the tribal areas of Visakhapatnam which had the benefit of rail-road and that too for lifting of iron ore mined in that area. Out of 115 km. line of D.B.K Railway Project in the state, about 80 km length of line runs through the hilly tracts of Araku Agency in Visakhapatnam district. Out of 13 stations on this line nine stations are located in the agency area.

Thus, roads and railways are not adequately developed to serve the economy of the tribal areas.

Thus tribals in the state are leading a life below the poverty line. The per capita income of a tribal household works out to Rs. 217/- whereas the per capita expenditure is Rs. 245. The average debt per tribal household is Rs. 654/-. About 74 per cent of the households are deficit. households. The contribution of agricultural sector towards the average; income of a tribal household is 74 per cent. The income from manufacturing sector is almost nil. The contribution of collection of minor forest produce, which is one of the major subsidiary occupations, is estimated at 10 per cent of the average income of a tribal household. The tribal areas represent a typical example of backward agrarian economy with low yields, poor earnings and under-employment. Subsistence production is still the hallmark of tribal economy. The economy of tribals is custombound and not competitive. There is no balanced growth of primary secondary and tertiary sectors as the later two sectors are almost neglected in tribal areas. Hand Gund Line Av

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INDUSTRIAL SETTING

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The present state of industrial development in the scheduled areas needs a brief review so that it may provide the necessary backdrop for the preparation of a plan for industrial development of tribal areas.

Large and Medium Industries :

A. C. C. Cement Factory at Mancherial, Paper Mills at Sirpur and Coal Mines at Bellampalli are adjacent to the tribal areas. Singareni Collieries at Kothagudem, Thermal Power Station at Palavancha in Khammam District, Power Generating Station at Machkund, Hydroelectric Project at Upper Sileru in Visakhapatnam district are located in the tribal areas. D. B. K. Railway project passes through the tribal areas of Visakhapatnam District.

Certain medium and small-scale industries are proposed to be established in the tribal areas in public and private sectors besides some of them being joint ventures. Initial work has been completed in respect of the following industries :

- 1. Jute Manufacturing Industry at Salur, Srikakulam District.
- 2. Aluminium Industry at Anantagiri, Visakhapatnam District.
- 3. Plywood Factory at Rampachodavaram, East Godavari District.
- 4. Board and Paper Plant at Bhadrachalam, Khammam District.
- 5. Rayon Grade Pulp Unit at Eturnagaram, Warangal District.
- 6. Sugarcane Crushing Unit at Kadam, Adilabad District.

Small-scale and Cottage Industries :

A sericulture farm was opened at Ashoknagar in Warangal District to train tribals in sericulture industry during the First Five Year-Plan. During the Second and Third Plan periods, training-cum-production centres, common facility centres, etc., were started. An amount of Rs. 11.12 lakhs was spent on these activities till the end of the Third Five-Year Plan. The industrial units functioning in the tribal areas of Srikakulam, Visakhapatnam, Khammam and Adilabad districts are as under :

Srikakulam District :

1. Sreenivasa Carpentry-cum-Blacksmithy Co-operative Society Ltd., Seethampet. the start of the second

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Visakhapatnam District :

2. Carpentry Training-cum-Production Centre, Paderu.

Weaving Training-cum-Production, Centre, Hukumpet. in sprill spi

Khammam District :

4. Rural Community Workshop, Vinayakapuram, Aswaraopet. Demonstration-cum-training Unit in Fruit Preservation, 5. Aswaraopet.

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6. Common facility Centre (Power operated), Aswaraopet.

7. Common facility Centre, Bhadrachalam.

Adilabad District :

8. Rural Arts and Crafts and Industries Centre, Utnoor. GAN WARES 9. Common Facility Centre, Wankidi.

A considerable number of tribal workers are engaged in blacksmithy, carpentry, basket weaving, etc. The distribution of such workers is given in Table 4. S. Market

Sl. No.	No. of workers		
	Tribals	Non-Tribals Total	
1 2	3	4	5
1. Blacksmithy	926	403	1,329
2. Carpentry	670	345	1,015
3. Pottery	728	240	968
4. Brassmithy	. 88	41	. 129
5. Goldsmithy	1 .	359	·
6. Basket Weaving	697	74	771
7. Mat Weaving	165	16	181
8. Cloth Weaving	305	· · · 7	312
9. Other Workers		259	259
Total	3,580	1,744	5,324

TABLE 4-DISTRIBUTION OF INDUSTRIAL WORKERS IN TRIBAL DEVELOPMENT BLOCKS

The distribution of tribal and non-tribal industrial workers in each tribal development block of Srikakulam, Visakhapatnam, West Godavari, Warangal and Adilabad Districts is furnished in Annexure-III.

During the Fourth Plan period, the training-cum-production centres were not encouraged. Under employment-oriented training programmes during the Fourth Plan period, 60 tribals as motor drivers, 231 as village officers, 312 as masons in addition to 50 as apprentices in public and private sector undertakings were trained.

Certain sporadic efforts have been made by Girijan Co-operative Corporation, which has been functioning in tribal areas since 1956, in establishing the following units for the benefit of tribals.

1. Sheekai Grinding Plant.

2. Honey Pasturisation Unit at Narsipatnam.

- 3. Myrobalam Crushing Unit at Srungavarapukota.
- 4. Niger Seed Oil Mill at Paderu.
- 5. Manufacturing Unit for Washing Soap from non-edible oils at Seethampet.
- 6. A Plant for extraction of Fibre from Sisal leaves at Araku.

The Corporation has approved proposals to establish the following units with the financial assistance of National Co-operative Development Corporation, New Delhi.

- 1. Honey Pasturisation Plant at Warangal.
- 2. Extraction of Alkaloids from Nuxvomica at Palavancha.
- 3. Tartaric Acid and Pectin from Tamarind pulp at Madugula.
- 4. Starch extraction Plant from Tamarind seed at Gummalaxmipuram.
- 5. Gum Grading Unit at Adilabad.

The Corporation has also undertaken the establishment of beekeeping units in collaboration with Khadi and Village Industries Commission. A small experimental herbarium is also opened at Araku for demonstrating the cultivation of herbs. Steps are also being taken by the corporation to promote cultivation of coffee and other medicinal herbs in the tribal areas of the state.

A beginning has been made for the establishment of large, medium, small-scale and artisan industries over the Plan periods. The development so far achieved covers only a fraction of the utilisable resources available in the tribal areas.

In artisan industries, an attempt has been made in improving the skills and the effort achieved some results. The artisans by virtue of their acquisition of greater skills might be found suitable for further encouragement to develop small-scale industries.

Vigorous steps are called for exploitation of the resources. There is vast scope for starting small and cottage industries in tribal areas. The importance and role of these industries in strengthening the tribal economy hardly needs any emphasis. These industries will be helpful in reducing the unemployment and under-employment and in increasing the supplies of consumer goods in tribal areas. Small-scale and cottage industries have thus a vital role to play in the tribal society and economy.

CHAPTER III

STRATEGY AND PRIORITIES

The Government have been adopting several policy measures and programmes to promote the establishment of small-scale industries in tribal areas. During the Fifth Five Year Plan, emphasis is laid more upon the agro and forest-based cottage industries in backward areas. In this context, it is worthwhile to examine the views of various committees and commissions on the question of promotion of cottage and smallscale industries in tribal areas.

Views of Commissions and Committees :

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Various Committees and Commissions, especially Dhebar Commission and the Elwin Committee, have stressed the need for promotion of village and small-scale industries in tribal areas. According to Dhebar Commission, "if the problem of destitution or the subnormal standard of living in the tribal areas is to be tackled, it can be only through development of village and cottage industries." The Commission opined that poverty in the midst of considerable unused human and material resources and undeveloped creative facilities is the phenomenon of tribal areas. It has suggested promotion of village and cottage industries in the tribal areas with a view to (1) utilise and develop creative faculties of the tribal people, (2) provide gainful employment to them and (3) offer them, an avenue for converting their raw materials into processed articles and thus taking their economy a step further.

Village industries in the tribal areas can be divided into three categories viz., (1) consumer goods industries, (2) processing industries and (3) handicrafts and art pieces. The Commission stressed that "wherever, therefore, there is raw material available and there is a market available locally or outside, the principle should be that the raw material should not go out as raw material but should go as processed articles unless the cost is uneconomic or it involves technical or transport problems beyond the reach of the administration in the tribal area." Referring to cottage industries, the Elwin Committee quoted the observations of the Development Commissioners' Conference at Mussorie as follows:

"While chalking out the programme, consideration should be given to the locally available raw materials, skills and marketing facilities. It will be wise to plan largely on the basis of consumption in the area itself and self-sufficiency." The Development Commissioners' Conference further remarked that "Rapid introduction of machine and higher techniques in tribal areas should be discouraged. The techniques in these areas should be an organic development. Every effort should be made to ensure that the culture and tradition of these people do not suffer any jolts in the process of the introduction of improvement in their style and standard of living."

The Elwin Committee suggested that the present rules of the Forest Department have to be examined how far they militated against the development of cottage industries. The Forest Department should encourage the tribals to follow their arts. The women welfare centres should be re-oriented with tribal background such as designs embroidery, knitting. The committee has also suggested the starting of peripatetic units for training in crafts besides conducting research. Surveys have to be undertaken to find out what type of arts or crafts already exist and to assess how these can be developed and what crafts can be introduced on an economically sound basis and to discover what kind and quality of articles can be consumed locally and what type of articles can be exported.

Strategy :

The economic growth of a region largely depends on the balanced growth of primary, secondary and tertiary sectors. There should be an all-round exploitation of material resources and goods and development of cultural values to bring wealth and prosperity to 16.58 lakhs of tribals in the State.

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The promotion of local industrial activity may set in motion a set of forces including higher levels of agricultural resources productivity, higher levels of farm and family income and may also lead to a reduction in spatial and personal inequality, thus contributing to Myrdal's 'national economic integration'.

Appropriate policies and programmes to create industrial climate and improve the technical knowledge and entrepreneurial skills of tribals have to be designed. The solution for the economic development of tribes lies in capital—saving and labour-intensive techniques which are possible through initiation of small-scale and cottage industries with particular emphasis on industries based on local forest resources. These cottage and small-scale industries, in addition to strengthening the agroforest based economy of tribes, can serve as a means of bridging more swiftly the gap between the subsistence sector and advanced sector and enable the achievement of higher level of income and growth in tribal areas.

The objective should be to make the scheduled tribes the full-fledged partners in the promotion and development of industries and this objective would dispel the prevailing opinion that the present mode of development is making the scheduled tribes as wage earners only. But there is an apprehension that at least for some years to come, sufficient entrepreneurship might not be forthcoming from the tribes and if others are precluded from entering the field of industries in tribal areas, the tribal areas may not develop industrially. Though, there is some truth in the above arguement, vet the participation of scheduled tribes in development of industries will have to be brought about. The entrepreneurial qualities among the scheduled tribes can be cultivated if serious efforts are made in that direction. Secondly, unless some reservation is made for the scheduled tribes in the establishment of industries in the scheduled areas, they may not stand to gain the advantages of industrial development. However, if a blanket reservation is made, the industrialisation may be retarded in view of the above stipulation. What is needed, therefore, is to strike a balance between the two wherein benefits of industrialisation should go to the scheduled tribes along with the speedy industrialisation of the areas.

Approach :

In view of the above, the following approach may be adopted.

1. Industries should be located in identified growth centres in the scheduled areas.

2. The small and cottage industries with an investment of Rs. 2.00 lakhs and below may be reserved for entrepreneurs belonging to scheduled tribes only.

3. In the case of industries which require investment of more than Rs. 2.00 lakhs, first preference should be given to the tribals and a period of five years may be allowed for the emergence of the tribal entrepreneurs to set up industries with investment of more than Rs. 2.00 lakhs. After the lapse of five years, if no tribal entrepreneur come forward, then the public-sector or other entrepreneurs may be permitted to set up the industries with provision of some safeguards to ensure the welfare of

tribals. The safeguards suggested are (1) substantial shareholding for tribals ; (2) procurement of raw materials from tribals only ; (3) employment ensured to tribals only; (4) provision for earmarking a substantial part of end-products for use in industries set up by tribals and (5) permitting the tribals progressively to acquire the shares of others.

The policy of large-scale industrialisation should embody the rehabilitation of displaced tribals. The large-scale industries located in the plains areas with hinterland of tribal areas, shall attend to the development of the hinterland simultaneously. Guided promotive policy: . • • • • • •

 $(a,b) \in [a,b]$

: : : The course of industrial development in tribal areas may proceed on the following lines which, as a matter of fact, is not exclusive and at times may overlap also.

- The industries in which the scale of the required investment 1. cannot be provided either by the individual tribal entrepreneur or by the small co-operatives, they may be promoted in jointsector with safeguards as enumerated earlier which can be described as collaborative arrangement between Girijan Cooperative Corporation and other corporate bodies like Andhra Pradesh Industrial Development Corporation, Andhra Pradesh Small-scale Industries Development Corporation etc. The industries which are likely to fall in this category are large and medium industries and capital-intensive Small-scale industries.
- 2. Industries in which the scale of the required investment cannot be provided by the individual tribal entrepreneur they may be started as co-operative ventures ; they should be economically viable, technically feasible and should be composed of homogenous group. The industries falling in this category are the small scale and cottage industries with labour intensive technology.

In an economy in which the basic factors favouring industrialisation are absent, the promotion or creation of factors which stimulate industrialisation, becomes a matter of necessity which should be taken care of by the guided promotive approach. Guided promotion can be described as promotion of industries in the co-operative sector or by the agency itself which is entrusted with the implementation of the industrial programmes in the tribal areas. This approach would not include or preclude or substitute the promotive approach with inducement. The policy of Guided promotion involves the creation of a cell, rather a specialised cell, exclusively charged with the responsibility of promoting industries in the tribal areas. The guided promotive policy may largely involve.

- 1. Identification and motivation of entrepreneurs, improvement in the skills and funding programme, appropriate training programmes and devising suitable institutional framework such as (a) organisation of co-operative ventures with nominated managing committees consisting of professional experts, (b) management of the societies by professional managers in the initial stages, (c) promotion of public-sector industries and (d) small industries and business ventures by the local tribal entrepreneurs.
- 2. Linking up of production with marketing agencies specially created.



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Chapter IV

INDUSTRIAL POTENTIALITIES

Only 9.95 per cent of the working population among the scheduled tribes is employed in the secondary sector. This shows that tribal economy depends heavily on agriculture and the pressure on land is very high. As such, the development and expansion of industries is essential for balancing and stabilising the economy through diversification of economic activities of the tribals. Fortunately, the tribal areas are plentifully endowed with all the resources for industrialisation. These areas have considerable agricultural, mineral and forest resources coupled with thermal and hydro-electric power. The man-power is abundant in tribal areas. In spite of the availability of human and natural resources, the industrial development of tribal areas is extremely low and the potentialities remain unexploited.

Diversification of occupational structure of the tribals is necessary so as to strike a balance in the imbalanced agro-based economy and reduce the mounting pressure on land and provide gainful employment to tribals. It is also necessary to ensure not only the balanced growth of primary and secondary sectors but also the designing of appropriate patterns to solve some of the problems such as inadequate capital, low productivity techniques, market inadequacy and lack of technical knowledge and entrepreneurial skills.

An assessment of different types of resources is briefly made below.

Human Resources:

Human resources play a vital role in the economic development of an area and a community. Development of human resources is also essential for social, political, spiritual and cultural growth of the society. The tribal people are lacking entrepreneurial capabilities, knowledge, leadership qualities, technical skills and organisational abilities which are in fact necessary for the economic development.

Development of human resources in tribal areas is the most important element in rapid industrialisation and is an adjunct of the much-needed occupational diversification so as to relieve pressure on land in the tribal

It is high time to realise that a balanced growth between human resources development and the development of physical and capital resources remains the most desirable policy to be pursued by the government in tribal areas. It is, therefore, imperative that a positive approach for comprehensive human resources development is evolved for equipping the tribals not only with technical skills but also with moral, spiritual and behaviourial abilities so as to prepare them to utilise the new opportunities and promote their managerial and leadership qualities. be pointed out that though education is an important factor in accelerating human resource development, low level of education does not necessarily hamper the process of human resource development as acquisition of technical skills, organisational abilities, leadership qualities does not require much of the theoritical knowledge Rapid industrialisation of tribal areas depends mainly upon the approach adopted for human resource development among these disadvantaged. What is required is long-range planning so that we do not find a vacuum in trained. man-power especially when new industries are started.

During the Plan periods, 13904 artisans were trained in trades such as carpentry, blacksmithy, pottery. In spite of the huge 'expenditure' incurred on the education of tribals during the various Plan periods, the percentage of literacy is only 5.32 as against 24.56 in the state. technically trained candidates among the scheduled tribes are very less in number. The tribal traditional artisans require training in improved skills. The labour force among tribals in the field of agriculture is surplus and they have to be diverted towards higher productive occupations. It is essential that a large section of tribal population should be imparted training in appropriate technology in the field of agriculture and industries. Agricultural Resources

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Agriculture is the backbone of tribal economy. The landuse pattern in tribal areas varies from region to region depending on the topography, physiography, economic and institutional factors. The net area sown constitutes 13.86 per cent of the total geographical area while the percentage of irrigated area is 5.06. The agro-based economy of tribals is characterised by the predominance of food crops. The percen-tage of food crops is about 85. The cropping pattern is directly correlated to soil types. Blackcotton and alluvial soils are found predominantly in the tribal areas from Warangal to East Godavari. The alluvial soils which are found on either side of the Godavari river in Khammam, East Godavari and West Godavari Districts, are suitable for raising commer-

cial crops like tobacco, chillies and sugarcane. The hilly tracts of Visakhapatnam and East Godavari are ideally suited for coffee plantations. The cultivation of niger seed (Valasalu) and mustard crop is popular in the tribal areas of Visakhapatnam District. Pippalmodi is also being cultivated in Paderu block. Red loamy soils, which are suitable for growing vegetables, are mostly met with in Araku valley and Chintapally Agency of Visakhapatnam district. In the tribal belt of Srikakulam. mostly the soils are of red ferruginous and black-cotton. The Savaras of Srikakulam are well-known for terraced cultivation and they grow ginger, wet paddy; turmeric, hill banana, etc. Cotton crop is the most predominant crop in the tribal areas of Adilabad district.

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The main crops grown in the tribal areas are jowar, paddy, baira. maize, chillies, wheat, pulses etc., The percentage of area under food crops is 85.75 whereas under commercial crops it is only 14.25. The yield per acre in tribal areas is less when compared with plains areas.

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Horticultural Resources An Horticutural Development Farm has been functioning at Sirigindlapadu in Rampachodavaram Tribal Development Block of East Godavari district with the specific object of promoting improved horticultural practices in the tribal areas. This farm has been supplying hybrid/high-yielding varieties of seeds of benda, brinjal, tomato (P.E.D.) tomato (S. 120), tomato (Seivux), castor, cowpea, etc., to tribals. Horticulture is yet to be developed on commercial lines. Tribals can be encouraged to grow vegetables on their lands or homesteads. There is vast scope to popularise vegetables and fruits like cabage, tomatoes, cauliflower, papaya, jack fruit, loose skinned orange, pineapple.

Malis of Visakhapatnam, Gonds, Kolams and Naikpods of Adilabad and Koyas of Warangal are experts in growing vegetables. Malis are traditional horticulturists. The tribal areas of Khammam, Visakhapatnam, East Godavari and Adilabad are suitable to grow on a large scale the exotic vegetables like tomato, cauliflower, cabage, french-beans, nool khol, beet root, potato. Fruit canning centres are functioning at Paderu in Visakhapatnam district and Aswaraopet in Khamam district. The Committee opines that the area under horticulture should be multiplied to make these as a source of subsidiary income to most of the tribal groups in the State.

Livestock Resources As agriculture is the main occupation of the majority of tribals of Andhra Pradesh, cattle constitute the backbone of agro-based tribal. economy. The role of cattle is more pronounced in tribal areas where

undulating and rocky terrain thick forest growth and indifference of the people towards adopting mechanical devices, chemical fertilisers etc., set limits to rapid replacement of cattle by machines. Tribal farmers. have to depend on bullock power in view of their economic backwardness, and poor resources at their command. Livestock and poultry are used by tribals in different ways. Cattle are being used for agricultural operations and for transporting the produce to the market. Sheep, goat and poultry are used during magico-religious ceremonies and on other. social occasions. The cattle and poultry population of the tribal areas is mostly non-descript and stunted in growth. The milk yield and egg. production is very low when compared with plains areas. The milk production is almost at zero level, as the tribals do not milk their cows. Due to stunted growth and neglected management, a cow yields about one-fourth to one-half litre of milk per day, buffaloes yield about half to one litre. This production of milk is only for a short time in a year. Similarly, rough estimates of egg production works out to about 1.00 lakh per year.

The	removing is the investock population of the trib	al areas	
	Total livestock population	24.40	lakhs
,	Cattle	8.94	
	Buffaloes	e v 14 213 P	lakhs
· · · ·	Total Bovine population	12.29	lakhs
	Sheep and Goats Total Poultry population	1.84	lakhs
	- eandy population	9.47	lakhs

With a view to improving the quality of tribal livestock, many animal husbandry programmes have been implemented since the beginning of the Five-Year Plans. One major landmark in livestock development in tribal areas is the starting of livestock farm at Chintapalli to produce good breeding bulls needed for upgrading the local stock. Besides starting of like vaccination and castration to check the attack of contagious diseases and indiscriminate breeding have been in action in tribal areas. There grazing lands and pastures (22.35 lakh hectares) are available in the tribal

These pastures are in a bad shape being over grazed and denuded of good grass. But there is good scope for development of these grazing lands on scientific lines to provide adequate and nutritious fodder to the livestock in tribal areas.

Forest Resources :

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Tribal areas are gifted with forest resources such as timber and bamboo. Minor forest items such as Tamarind, Addaleaf, Myrobalans, Nuxvomica, Gantubarangi, Pathalagaridi, Mohwa seed, Gumkaraya, Honey are also available in forest areas. The economic and social well-being of tribals depends upon the forest and the exploitation of its resources.

Besides collecting the minor forest produce, the tribals also are engaged in forest labour works. Forest also provide them edible fruits. tubers, leaves and flowers during lean seasons and drought years. They make use of the herbal medicines, aromatic grasses, forest grasses, housebuilding material available in the forests. The forest areas, in which the tribals are the original inhabitants are serving the raw material requirements of certain major industries such as Sirpur Paper Mills at Kagaznagar (Adilabad District), Andhra Paper Mills, Rajahmundry (East Godavari District). A good number of cottage and small-scale industries are based on forest resources. Certain minor forest products are also contributing to the foreign exchange earnings of India. Many of the minor forest commodities are the basic raw materials for the chemical, pharmaceutical and cosmetic industries. The tribals living in the forest areas of Bhadrachalam, Rampachodavaram, Golugonda and Chenchu Reserve have been given certain concessions for free grazing, collection of forest produce and removal of small timber and fuel for domestic and agricultural purposes from unreserved forests.

The national forest policy resolution of 1952 emphasised the material development of the original inhabitants of the forests. As a matter of policy, the economic development of tribals should be the guiding principle in forest management and exploitation of forest resources. The Girijan Co-operative Corporation has monopoly rights for buying the minor forest produce collected by tribals. Besides the concessions given to tribals, the Forest Department has sanctioned lease of forest produce on concessional terms to co-operative societies formed by the scheduled castes and scheduled tribes and other backward classes (G.O.Ms. No. 1049, Food and Agriculture Department, dated 6-4-1964). Certain general concessions applicable to tribals for employment in Forest Department are also issued by the government.

One of the ways of solving the chronic poverty of tribals is the maximum utilisation of forest resources. The estimated yield and potentialities of certain forest resources in tribal areas are furnished below (Table 5).

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SI. Name of the Species	Estimated	Estimated P	oten-
¥o.	Average Annual	tial in Ton	S
	Yield in Tons		
1 2	3 · · · · · · · · · · · · · · · · · · ·	4	
1. Bamboos	1,43,902	2,23,800	:
2. Fodder Grass	54,742	1,43,100	,
3. Broom grass	1,218	4,700	
4. Vatti Gaddi	325	500	
5. Risa Grass	488	900	
6. Beedi leaves	27,680	37,450	
7. Adda leaf	17,443	.28,860.	•
8. Rella Bark	2,109	4,570	*
9. Tangedu	4,508	10,400	
10. Myrobolams	423	2,330	•
11. Tamarind	15,000	18,260	
12. Gumkaraya	N.A.	N.A.	
13. Nuxvomica	N.A.	N.A.	
14. Honey	13	59	
15. Gantu Barangi	N.A.	N.A.	
16. Mohwa Seed	436	1,600	
17. Pathala Garidi	1.9	10.0	
18. Katha	N.A.	N.A.	•
19. Soap Nut	601. 5	1,880.0	
20. Annatto Fruit	•	1,000	
21. Anni tto Seed	••	150	
22. Marking Nuts		500	
23. Clearing Nuts		100	

TABLE 5 — ESTIMATED POTENTIAL AND YIELD

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The Forest resources provide immense scope for starting forestbased industries. The Committee is of the firm opinion that exploitation of forest resources has to be done to the maximum extent for the benifit of tribals.

The industrial development of tribal areas depends upon the maximum exploitation of agricultural, horticultural, livestock and forest resources. It is time now to take adequate steps for the multi-sided development of tribals and tribal areas by utilising the abundant agro-based and forestbased resources which are either wasted or under utilised.

As the conducting of industrial potential survey is time-consuming, the Committee opined that it is better to proceed with the already identified industries available with the Industries Department and the blueprint of the Girijan Co-operative Corporation. There is large scope for starting various types of agro-forest and livestock-based small-scale industries in tribal areas.

Small Scale Industries

Forest Based : There is good scope for starting small-scale industries in tribal areas based on agro and forest raw materials. Small-scale industries based on forest resources which can be started are as follows:

, , ,

- 1. Washing Soap Unit.
 - 2. Starch from tamarind.
 - 3. Tamarind de-seeding units.
- 4. Tamarind seed dhall.
- S. Hand-made paper unit.
 6. Rope and Ban making unit. 6. Rope and Ban making unit.
 - Dehydration of ginger and ginger products. 7.
- 8. Honey plant for pasturing honey.
 - 9. Grading and processing of gumkaraya.
 - Lemon grass oil by distillation. 10.
 - Wood cutting (saw mill). 11.
- 12. Annatto seed processing for extracting of colour.
- 13. Splints and veneers manufacture.
- 14. Modified Tamarind Kernal powder, TKP Phosphate or TKP Borate.

Manufacture of absolute alcohol from mohwa flower.
 Splints for agarbathis.
 Safety matches.
 Soapnuts and sheekai powder.
 Bilwan oil extraction (marking nuts).
 Slate frame unit.
 Furniture.
 Mohwa seed oil extraction.
 Niger seed oil extraction.
 Charcoal.
 Gum paste.
 Linseed Oil and double oil boiling.
 Lime Kiln.

Agro Based : There is scope for starting the following plantation industries in tribal areas.

- 1. Plantation of SISAL hemp fibre.
- 2. Plantation of miscellaneous fibre.
- 3. Plantation of food forming trees for tassar culture.
- 4. Establishment of an experimental demonstration Farm for improved varieties of Cotton and setting up of one ginning Unit in the agency areas of Adilabad District.
- 5. Plantation of food trees for lac culture and shellac.
- 6. Intensive cultivation of Pine-apples and other fruit trees in agency areas.
- 7. Setting up of two herbariums for medicinal plants at Warangal and Visakhapatnam.

About two and a half lakh acres are available for plantation crops in the scheduled areas. This area is eminently suitable to grow plantation crops like coffee, tea, cocoa, rubber, pepper. As plantation crops require huge investments which are beyond the scope of tribal entrepreneurs it is quite essential that a Plantation Corporation for scheduled areas may be established. Agro-based Industries :

- 1. Khandasari.
- 2. Jaggery making.
- 3. Sago.
- 4. Coconut and Coir Complex.
 - 5. Oil Expeller.
 - 6. Kisan Rice Mill.
 - 7. De-hydration of Onions.
 - 8. Power Looms or Hand Looms.
 - 9. Ginning Mills.
 - 10. Dall Mill.

Village and Cottage Industries :

There is scope for improving the following village and cottage industries in the tribal areas with the financial assistance from Khadi and Village Industries Commission.

- 1. Cane making industry.
- 2. Bamboo and basket making.
- 3. Mat Weaving.
- 4. Fibre processing industry.
 - 5. Stitching of Adda leaf.
 - 6. Bee-keeping industry.

7. Ghani Oil industry.

- 8. Collection of gumkaraya.
- 9. Bricks manufacturing.
- 10. Collection of forest medicinal plants, barks and fruits.
- 11. Pottery.
- 12. Katha manufacturing.
- 13. Beedi manufacturing.
- 14. Carpentry and blacksmithy.
- 15. Aluminium and brass utensils.

Agricultural implements like bullock-carts etc. 16.

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17. Khadi industry.

Livestock-based Industries :

The local livestock in tribal areas should be upgraded and the traditional pastoral tribals like Banjaras and Goudus should be supplied with milch animals. Along with this basic programme, the following livestockbased industries should be established to bring about 'white revolution' in tribal areas.

1	Dairy.		· · ·
	The second s	A Contract of the second	ر ب
2.	Milk chilling centres.		- <u>.</u>
3.	Poultry units.		
4.	Feed mixing plant.		
5	Company institution		

Carcas utilisation centre. Project profiles for the above agro; forest and livestock, small scale and cottage industries together with financial implications are given in Part - II.

Tribal Handicrafts:

Handicrafts are material symbols of our culture. Tribal Culture is well-known for its artistic instruments, handicrafts, artifacts, etc. The tribal handicrafts have to be revived and encouraged. Steps will have to be taken to provide ready market for the tribal handicrafts, artifacts etc. The following handicrafts and artifacts of scheduled tribes and denotified tribes should be revived and encouraged.

1.	Musical Instruments.			
2.	Traditional dresses.			
3.	Traditional jewellery and o	: Ostume iewelle	144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144	
м,	Applique work—a kind o	fembroidem		
5. 6.	Fribal handicrafts, such as (d) Verimiline of various c Bottle gourd (f) Baskets Printing of tribal designs	(a) Hair pins,(b) olours, (e) Wat with Date palm		Combs e ûp of ies.
	-		ingen service The	

There is a lot of demand from foreigners for some of the tribal handicrafts, artifacts, etc. They like Banjara dress. It is desirable to promote tribal handicrafts to strengthen tribal economy and to keep alive and spread the traditional skills.

Industrial Estates :

As an integral part of the integrated programme of developing secondary sector, the promotion of industrial estates in tribal areas is essential. These will provide a planned factory accommodation along with the facilities of water, electricity, transport, banks, post-offices etc. The industrial estates will attract ancillary establishments and other institutions of marketing, education and other amenities for the benefit of tribal entrepreneurs and workers.

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The industrial estates are to be constructed by government in view of the backwardness of tribals and tribal areas. Reasonable rents are to be fixed so as to be within the reach of the tribal entrepreneur. At present, the existing industrial estates functioning in the plains areas are transferred to the newly established Andhra Pradesh Industrial Infrastructure Corporation, Hyderabad. Recently, the Andhra Pradesh Industrial Infrastructure Corporation took up the establishment of Industrial Estates in (1) Araku in Visakhapatnam district, (2) Bhadrachalam in Khammam district, (3) Rampachodavaram in East Godavari district, and (4) Wankidi in Adilabad district and is providing them with (a) sheds, (b) roads and water facilities and (c) voluntary loan contribution for getting power supply.

Government lands at these places have been demarcated and the preliminaries are being attended to. It is felt by the Corporation that land is cheap in tribal areas. But the main difficulty is with regard to power. However, the Rural Electrification Corporation is providing large sums of money for electrification of tribal villages.

The provision of industrial estates in the above-mentioned four places will not be adequate. It is desirable to establish industrial estates in the identified growth centres. The following growth centres were identified for promotion of industrial estates in the tribal areas. AL ME CAR

- I. Srikakulam District :
 - 1. Bhadragiri
 - Seethampet Operation Pachipenta 2.
 - 3. Pachipenta

II. Visakhapatnam District :

1. Paderu

2. Araku/Araku Valley

3. Chintapalli

4. Koyyuru

5. Anantagiri

6. Sileru

III. East Godavari District :

1. Rampachodavaram 2. Addateegala

3. Kutravada

IV. West Godavari District :

1. Polavaram

2. Buttayagudem

3. Pragadapalli

3. riaguary 4. Kannapuram

5. K. Ramachandrapuram.

V. Khammam District :

Bhadrachalam
 Burgampad

3. Yellandu/Sudimalla

4. Cherla

VI. Warangal District :

1. Eturnagaram

2. Govindaraopet

VII. Adilabad District :

1. Utnoor

2. Wankidi 3. Ichoda

4. Indravalli

5. Hasnapur

6. Neredikonda

VIII. Mahaboobnagar District :

1. Mannanur The Committee is of the opinion that in view of the lack of demand from tribal entrepreneurs, only five or six sheds might be constructed in each industrial estate. These estates may be expanded in due course as and when the demand increases. However, the establishment of industrial estates would have to be preceded by adequate pre-location technoeconomic surveys.

As regards the nature of each industrial estate, it may be composed of agro, and forest-based with a few consumer goods industries. Tribal entrepreneurs in the industrial estates may be provided with technical assistance besides other common facilities. While starting industrial estates, tribal trainees who underwent training in various trades may be given preference for establishing their own industries.

Trained Tribal Artisans: Tribals were trained in various crafts by Training-cum-Production Centres, Rural arts and Crafts Centres etc., under Community development programmes. Most of the trained candidates are not yet settled in the trades in which they are trained due to various reasons such as lack of finance, technical know-how, marketing, under-employment. The Committee is of the opinion that it is necessary to extend necessary assistance to settle them in the trades in which they are trained and to set up common workshop or their own workshops.

Self-Employment Schemes: Unemployment and under-employment have been the common features in the tribal areas. These problems have to receive specific attention of the government. A crash programme has to be devised to solve unemployment among educated tribals taking into account the levels of their education. A large number of matriculates and under-matriculates have to be provided with self-employment schemes.

The following self-employment schemes can be encouraged and assisted among semi-literate and literate tribals. Small enterprises also are suggested :

- 1. Cycle hiring and repairing
- 2. Grocery shop
- 3. Tea stall
- 4. Agricultural implements repairing shop
- 5. Laundry shop
- 6. Typewriting institute (Job Typing)
- 7. Medical Shop
- 8. Tailoring centre
- 9. Pan shop
- 4

10. Book shop

11. Fancy Stores

12. Mutton Shop

13. Cloth Shop

14. Rice & Flour Mills

15. Dairy Farming

16. Civil contractors

17. Agar-bathi sticks from bamboo

18. Match sticks

19. Gum collection

The above list is tentative and subject to market survey.

It is necessary to conduct industrial potential survey in tribal areas to identify the resources and indicate the possibility of starting various tapes of large, medium, small-scale, village and cottage industries.

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TRAINING PROGRAMMES

Training programmes in skills and entrepreneurship for the tribals are a prerequisite for promotion of industrial activities in tribal areas. The training programmes are to be designed to suit the traditional skills and the new skills required.

During the Plan periods, the State and central governments have undertaken certain training programmes to improve the skills of tribals. The state government have undertaken training programmes through Trainingcum-Production Centres, Industrial Training Institutes and Polytechnics, and the Central government initiated certain programmes through Rural Industries Projects and Khadi and Village Industries Commission. Each programme is briefly discussed below:

1. Training-cum-Production Centres: Training-cum-Production Centres were established in Tribal Development Blocks to impart training to tribal candidates in various trades such as carpentry, blacksmithy, pottery, brickmaking, bee-keeping, bamboo and rattan work, spinning and weaving, adda leaf plate-making. These centres could not bring about a perceptible change in improving the skills of tribals. However, a good number of tribals were trained in various trades and some of them are settled.

S. No.	Trade	Number of persons Trained	Number settled
i	2	3	4
1.	Carpentry and Blacksmithy'	500	203
2.	Pottery and Brick making	172	70
3.	Spinning and Weaving	183	42
4.	Bamboo and Rattan work	. 235	71
5.	Adda leaf plate making	1 1172	12
6.	Tanning of hides	50	.21
7.	Bee-keeping	35	20
8.	Horn work	8	1
9.	Pottery	66	38:
10.	Carpentry	309	304
11.	Tanning		
12.	Basketry	33. 	. 14
13.	Leather goods	38	16
14.	Steel trunk manufacturing	40 8	22
15.	Other trades		4
		155	39
	TOTAL:	1904	678

TABLE 6-Scheduled Tribes - TRAINED AND SETTLED IN VARIOUS TRADES

These trained personnel would constitute an important nucleus for taking up cottage and small-scale industries. • . :

During the Fourth Plan period, the Training-cum-Production Centres were not encouraged and only a few such institutions are now functioning in the Tribal Development Plants of States of States and States of in the Tribal Development Blocks of Srikakulam, Visakhapatnam, Khammam and Adilabad districts.

The Department of Tribal Welfare also initiated the following training programmes :

- 1. Training of Tribals as Masons.
- Training of Tribals as Motor Drivers. 2.
- 3. Apprenticeship programme for tribals in Public and Private Sector undertakings.

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As a follow-up measure, the Andhra Pradesh State Road Transport Corporation and other public undertakings may be induced to absorb the trained personnel in driving and masonary, giving higher training to them, if necessary. Andhra Pradesh State Road Transport Corporation may also recruit tribal youth as conductors and provide training for them.

2. Industrial Training Institutes and Polytechnics: The technical institutions have been imparting training mostly in industrial trades such as mechanic, fitter, turner, welder, typewriting, shorthand. Four per cent of the seats are reserved for tribals in these institutes. During the year 1972-73, only 15 candidates in Polytechnics and four candidates in other technical institutions were imparted training out of the toal of 5287 trainees and 3180 in Polytechnics and other technical institutions, respectively.

Under Craftsmen Training Scheme, out of 8,595 trainees only 69 scheduled tribe candidates were on the rolls as on 31-10-1971.

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3. Rural Industries Projects: These programmes are initiated by Government of India to improve skills mostly of rural artisans. Fortynine rural industries projects are functioning in various states, providing training facilities, common service facilities, technical assistance, marketing facilities, etc. Fifty more new projects are proposed to be started during the Fifth Five-Year Plan. Though 39,575 candidates were trained under this programme from 1964-65 to 1970-71, the tribal candidates trained were not known.

Srikakulam and Khammam districts are now covered by the rural industries projects and artisans training programme can now be expected to be taken up in these two districts for tribal artisans.

4. Training in Secretarial Courses and Management: The state government have been extending scholarships for imparting secretarial courses such as typewriting, shorthand for tribal candidates besides establishing Pre-examination Training Centres exclusively for scheduled castes and scheduled tribes. The Pre-examination Training Centres have been imparting training to scheduled castes and scheduled tribe candidates for various competitive examinations conducted by Board of Technical Education, APPSC, UPSC, RSC, Nationalised banks and other public and private sector undertakings for different categories of posts such as typists, stenos, clerks, assistants, managers and officers. At the Pré-examination Training Centre, Hyderabad, 133 scheduled castes, scheduled tribes and denotified tribe candidates were trained so far and 89 of them have got employment.

5. Khadi and Village Industries Commission : The training programmest of Khadi and Village Industries Commission can be divided broadly

into two categories viz., programmes for artisans and programmes for

organisational staff. industries such as khadi, processing of cereals and pulses, ghani voil, village leather, cottage, match, Gur Khandsari, Palm Gur, Non-edible oils and soap, hand-made paper, village pottery, Bee-keeping, Eibre, Blacksmithy and Carpentry, manufacture and use of. Methane Gas and Manure, Limestone and its products, manufacture of Shellac, collection of forest plants and fruits for medicinal purposes, fruit processing and preservation, bamboo and cane work manufacture of household utensils from aluminium, manufacture of gum resins and manufacture of katha The training programme for organisational staff aims at improving the technical and managerial skills of staff engaged in organising these different types of village industries of Thes Khadi and Village Industries Commission has also introduced a people's education programme in 1972: An essential feature of this programme is that some artisans meet again and again in the study circles and study the different aspects of the industry and thus obtain a comprehensive picture and understanding of the programme. The main intention of this programme is to equip the engaged. artisans the why and wherefore of the activities in which they are engaged... Details of the training programmes of Khadi and Village Industries, Commission are furnished in Annexure-IV.

A brief review of the existing training programmes indicates that they are quite inadequate. All these programmes did not make any impact on tribal artisan industries. These programmes did not make any impact on tribal artisan-industries. These programmes are not mainly related to local raw materials, Some of them are general in nature and not exclusively intended for tribals. The training facilities extended mainly by Industrial Training Institute are not broad-based and they did not cover the agro-forest and livestock-based inductrics of the did not cover the agroforest and livestock-based industries. The training programmes of rural industries projects are not extended to take training programmes of rural. industries projects are not extended to tribal areas in view of the fact that, not even a single rural industries project industries projects areas in view of the fact that, not even a single rural industries project is confined to tribal areas. Though Khadi and Village Industries Commission in the tot tribal areas. Though Khadi and Village Industries Commission's programmes are suitable for tribals and tribal areas much impact on sprogrammes are suitable for tribals and tribal areas, much impact on improving the skills of tribals has not been noticed despite the efforts made by the Commission. The people's education programme of Khadi and Village Industries.

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The strategy of training programmes for tribals and tribal areas should aim at improving the traditional skills, creation of new technical and managerial skills related to the exploitation of the natural resources besides promotion of entrepreneurship. Non-formal training also has to be bromoted under self employment schemes. Further existing training facilities have to be improved and enlarged.

Grazihlicht weiniert chierter er chorte er de chefter de chefter and the stational skills of Certain tribal groups are well-known for their traditional skills of Kolams and Hill Reddis are adepts in bamboocutting and basket-making. Konda Kammaras are traditional blacksmiths who manufacture and repair agricultural implements. Samanthas or Khonds, are well versed in mat weaving, oil extraction etc. Gadabas are engaged in stone breaking, earth work besides weaving a particular type of cloth. The traditional skills are to be upgraded through different types of appropriate, training programmes. Niable projects, may be imparted so that the artisans adopt bankable projects. Training programmes: may also be taken up by SFDA, MFAL, and Girijan Development Agency Projects. Steps should be taken to revive the tribal handicrafts and encourage the preservation of tribal culture.

2. Promotion of New Skills: New industries are proposed for tribal areas which require new skills. These new skills have to be imparted to tribals, in agro-forest and livestock-based industries. Except for the Khadi and Village Industries Commission, most of the existing agencies do not have programmes to train the tribals to acquire new skills. Attention needs to be paid to this aspect.

Further, in addition to providing training in engineering skills like turning, drilling, welding, simple foundry practice is also essential for creation of skilled labour force so that eventually the tribals may be in a position to take up these industries in due course.

Hence a Training Institute with condensed courses in all these fields may be established in Visakhapatham District in an experimental basis. Our procedulation with containing to the basis again to the basis of the

It is also desirable to persuade the large and medium-scale industries to provide free of cost training facilities to the tribals in their respective enterprises.

Regarding filling up the seats in ITI's, the committee feels that 4 per cent of the seats should be filled through providing liberal facilities and relaxing the rules in favour of Scheduled Tribes candidates.

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The charitable institutions, religious endowments, voluntary organisations and departmental funds can be made use of, for providing lodging facilities to tribal candidates in view of the present policy of government regarding opening of hostels.

Training in Organisational Skills :

It is found that the tribals are not at all occupying the middle-level managerial posts even in the few industries located in and around the tribal areas. Efforts should be made to provide training facilities to tribals in business management and secretarial courses. They should be trained as Managers, assistant managers, office assistants, accounts assistants, typists, stenos, etc. For this purpose, the training activities of Pre-examination Training Centre need to be intensified and a close co-ordination has to be maintained with the industries located in tribal areas. Further, the Andhra Pradesh Productivity Council and the Zonal Training Centre of KVIC (Southern States) may be approached to provide training in Managerial courses for Scheduled Tribe candidates.

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Promotion of Entrepreneurship: Training programmes have to be designed for identification and promotion of entrepreneurship among the tribals designed for identification and re-

It is necessary to induce some of the enterprising people to embark on industrial ventures and to exploit the natural resources. Regarding promotion of entrepreneurship among tribals, two different approaches are suggested by SIETI and APSSIDC. These approaches have different the tribals. The schemes suggested by SIETI and APSSIDC are furnished in Annexures V and VI. The experiment in this fold will be a in Annexures V and VI. The experiment in this field will be a pioneering one especially among the tribals. The pioneering one especially among the tribals. The committee recommends the scheme suggested by SIETI for adoption. To achieve the above objectives, the Committee suggests the

following steps : . · . ·

1. An official level selection committee may be formed to select ITI's and other technical institutions.

tribal boys through vocational guidance for admission into 2.

Effective implementation of Apprenticeship Act. 3.

Forecasting of likely vacancies in public and private-sector undertakings and guidance to tribal candidates. 4.

Follow-up action for the tribals trained in various trades.

5. Government may make it compulsory on the part of industries to give preference to local tribals and absorb them in suitable posts.

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6. Relaxation of the minimum educational qualifications, wherever necessary. $\gamma_{\rm OC}$

7. Training programmes should form part of a project profile of each industry. Suitable workshops have to be established by Industries. - Training has to be given at company's cost. 1.55

- 8. Diversification of courses in ITI's covering agro, forest and livestock-based trades or establishment of ITI exclusively for tribals.
- Selected tribal entrepreneurs may be imparted in plant training 9. in the industries proposed to be set up in tribal areas.
- Constitution of employment committees in large and medium 10. industries or for a group of small-scale industries for recruiting suitable tribal candidates.

Feasibility Studies: The exploitation of natural resources is the bedrock of tribal economy. The resources have to be properly utilised and augmented by long range planning. For the exploitation and best utilisation of minor forest products like tamarind pulp, tamarind seeds, nux vomica seeds, gum karaya, solanium, Annattoo seeds, non-edible oilseeds like Pongam, Mohwa, Pinne, Kusum, Soap nuts, Shikaya, Ginger and others for industrial purposes. Steps were taken in obtaining technical notes, project reports and other relevant particulars from the various national laboratories in different parts of the country on the manufacture of tamarind kernal powder, modified tamarind kernal powder, pectin and tartarate from tamarind fruit pulp, alkaloids from nux vomica, solicidia from Solanium, grading and processing of gum karaya, edible colours from annattoo seeds, tanning extract from myrobalan, citronella oil. Subsequently, a number of forest-based industries have been identified and their implementation has been taken up. While schemes for the manufacture of Shikaya powder, Crushing of Myrobalans, niger seed oil, milling have been started directly by the Girijan Co-operative Corporation, others like Alkaloids from Nuxvomica, grading and processing of Gum Karaya, tanan extract of Myrobalan, edible colours from annattoo seed are being sponsored as joint ventures in collaboration with the Girijan Corporation, APSSIDC and some private entrepreneurs.

There are still other industries which are yet to be taken up and more industries have to be identified based on this forest produce. Further economic feasibility and viability of these schemes should also be assessed. Any central financial institution like the IDBI, IFC, LCDC, is nowadays

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insisting on the preparation of a project report including the economic feasibility and viability of the scheme whenever they are approached for financial assistance from the sponsors. There are a number of consultants who are prepared to undertake the work not only of preparation of the reports but also of commission the projects on turn-key basis. It is always desirable to implement this scheme by entrusting to such competent commission the plant and import training to the least with the plant and import training to the least with the plant. commission the plant, and impart training to the local tribal workmen.

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CHAPTÊR VI

INCENTIVES AND CONCESSIONS

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The state government have introduced a number of measures to create proper industrial climate and to change the industrial horizon of Andhra Pradesh. The Planning Commission have identified the following 14 districts in the state as the industrially backward districts

1.	Nalgonda
2:	Chittoor
3.	Medaĸ
	Nizamabad
148 - 28 , 129 mar a €5 5	Mahaboobnagar
6.	Kurnool
7.	[,] Karimnagar
3.	Cuddapah
9.	Warangal
10.	Nellore
11.	Anantapur
12.	0
13.	Khammam
14.	Srikakulam

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Of the above 14 districts, scheduled areas are found in Mahaboobnagar, Warangal, Khammam and Srikakulam. These districts were identified as needing special attention so as to remove the regional imbalances by accelerating their industrialisation. Special incentives such as special subsidy of 15 per cent on capital investment, concessional finance by the central financing institutions including lower rates of interest, longer period of repayment, participation in the share capital and reduction in undertaking commission are being provided by the central government to encourage entrepreneurs to set up industries in these backward districts. In addition to the incentives offered by central government, the state government is also providing some incentives to attract industrialists.

The Government have been pursuing a policy of attracting industrialists to the state by offering the following facilities and incentives to the new industrial undertakings started on or after 1-1-1969.

Concession of Sales Tax : Refund of sales tax on raw materials, machinery and finished goods levied by state government subject to a maximum of 10 per cent on equity capital, paid-up capital of public limited companies or the capital outlay (excluding working capital) in the case of others. The ceiling of 10 per cent shall be for the whole period of five years for which this concession is available and not on annual

Power Subsidy : Subsidy on power for production to the extent of 10 per cent in the case of medium and large-scale industries and 12[±] per cent in the case of small-scale industries. This concession will not apply to the cases where concessional tariffs are allowed by the Andhra and the strategy

Exemption from payment of water rate : Exemption from payment of water tax is given on water drawn from sources not maintained at the cost of government or the local body.

Non-Agricultural assessment : Liability on account of assessment of land revenue or taxes on land used for establishment of an industry shall be limited to the amount of such taxes payable immediately before the

Additional incentives: The following special incentives will be allowed to new industrial units set up in the ayacut areas of Nagarjunasagar, Pochampad, K. C. Canal, Ramagundem, Kothagudem area and in the fourteen districts already declared as backward.

Sale of lease of government land at concessional rates. .2.

Grant of financial assistance on a priority basis by the State Financing Institution with lower margins and lower rates of

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As long as the incentives offered are uniform throughout the state all industries whose capital investment (excluding working capital) does not exceed Rs. 5 crores would find it more disadvantageous, except for the easy availability of the easy availabilit for the easy availability of raw material which is the only facility and which may not sufficiently of the day and which is the only facility and which may not sufficiently enthuse the development of industries in tribal areas. To compensate for the many negative factors arising on account of the poor infrastructure, it is necessary that the government should give for

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some years to come better incentives and more concessions for industries in tribal areas, than those given in backward areas as an inducement for setting up industries in these inconvenient tracts. This is also desirable to arrest flow of labour from the backward areas to metropolitan centres.

With a view to stimulate rapid industrialisation the following effective incentives and concessions are proposed for the scheduled areas:

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(1) Twenty per cent subsidy on the fixed capital investment is proposed to be given to all types of industries in the non-corporate sector, and 15 per cent to all types of industries in the corporate sector, where capital investment does not exceed Rs. 1 crore. The maximum amount which could be paid will be limited to Rs. 15 lakhs in each case. Even the industries whose capital investment fixed on assets-exceed Rs. 1 crore may be considered on selective basis for purposes of granting subsidy which again may be limited to Rs. 15 lakhs.

(2) Sales Tax: There should be complete exemption from sales tax on the purchase of raw materials, machinery, equipment and also on the sale of materials, machinery, equipment and also on the sale of finished products.

(3) Power Subsidy: In view of the backwardness of the tribal areas, powerlines should be laid at the cost of government to the periphery of the site occupied by the industry. Power subsidy should be given to the extent of 50 per cent on the amount charged by the Andhra Pradesh State Electricity Board for a period of five years. It has to be guaranteed that no power cut would be imposed at any time for any industry in tribal areas.

(4) Local Taxes: The industries in tribal areas should be completely exempted from the Panchayat Taxes.

(5) Transport Concessions: 50 per cent subsidy should be given on the cost of transport charges incurred by the unit, to transport raw materials or finished products.

(6) Stamp Duty: The industries in tribal areas should be exempted completely from stamp duty.

(7) Water Rates: Industries should be exempted from payment of the cost of water drawn from a source maintained by a government or a local body.

(8) Non-Agricultural Assessment: The industrialists in tribal areas should be exempted from the assessment of land revenue or any tax on land used for the establishment of an industry at least for a period of ten years.

(9) Rate of Interest: Concession in the rate of interest should be given to industries located in tribal areas by financial institutions. The committee suggested that 4 per cent concession has to be given to industries tribal areas.

(10) Developed plots: The APIDC may acquire and develop the plots with suitable industrial amenities for development. The developed or on easy hire-purchase basis.

(11) Buildings Accommodation: In developed plots, the APIIC may construct sheds and allot to the tribal entrepreneurs on easy instalment basis or on reasonable rents, which are to be fixed so as to be within the reach of Scheduled Tribe entrepreneurs.

(12) Machinery and Equipment: It is quite essential that government or a corporation may take up the supply of machinery and equipment necessary for the industrialists in tribal areas on concessional basis.

(13) Price preference: A 20 per cent price preference has to be period of five years.

(14) The Girijan Co-operative Corporation which has been procuring forest produce, should first meet the raw-material requirements of Scheduled Tribe entrepreneurs and then supply the remainder to other

Thus a package of incentives and concessions are essential for speedy and effective industrialisation of tribal areas and especially to encourage and attract tribal entrepreneurs.

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ORGANISATION, ADMINISTRATION AND MARKETING

The agencies promoting industries in the state are: (1) Industries Department, (2) Andhra Pradesh Industrial Development Corporation, (3) Andhra Pradesh Small-scale Industries Development Corporation, (4) Andhra Pradesh Industrial Infrastructure Corporation, (5) Girijan Coopertive Corporation, and (6) Khadi and Village Industries Commission. Though there are a good number of agencies charged with responsibility of promoting industries, specific attention has not been paid to the tribal areas and no industry in Large-scale sector or Small-scale sector has been set up in the interior of scheduled areas. The Girijan Co-operative Corporation has, however, set up a few processing industries in the tribal areas.

The Committee held discussions with the Heads of these agencies and the Girijan Co-operative Corporation and reviewed their functioning with reference to scheduled areas. The Andhra Pradesh Industrial Development Corporation, Andhra Pradesh Small-scale Industries Development Corporation and Andhra Pradesh Industrial Infrastructure Corporation are the specialised institutions with a large area of operation while the Industries Department is mainly a promotive agency. The Girijan Co-operative Corporation, which is basically a trading organisation has entered recently the field of industrial development in tribal areas.

Different opinions have been expressed on the desirability of having an agency for bringing about rapid industrialisation of the scheduled areas. One view was that the Girijan Co-operative Corporation, Visakhapatnam, should be entrusted with industrialisation of this area. The main reason behind this argument is that the Girijan Co-operative Corporation is having the virtual monopoly of minor forest produce on which many industries could be set up.

Another view was that since the Girijan Co-operative Corporation was a trading concern, if it entered the field of industries, its trading activity would suffer and diffusion of its effort would stretch its financial and other sources to a limit when it might not be able to do justice to either of its functions. Secondly since it has no expertise in the field of industries its entry in the field of industries might do more harm than good to the cause of industrialisation of scheduled areas. In this connection the attention of the committee was drawn to the Memo. No. 2226/F1/74 dated 3-6-1975 of Employment and Social Welfare (F) Department, of Government of Andhra Pradesh, in which the Girijan Co-operative Corporation was directed not to set up any industries in the scheduled areas. Further Girijan Co-operative Corporation was directed to supply minor forest produce to Andhra Pradesh Small-scale Industries Development Corporation or Andhra Pradesh Industrial Development Corporation in case these organisations decided to set up industries on the basis of minor forest produce. The Girijan Co-operative Corporation was allowed to sell the remainder of minor forest produce in auction in which Andhra Pradesh Small Industries Development Corporation and Andhra Pradesh Industrial Development Corporation can also participate if they so desired.

In the light of these views, the Committee is of the view that following set up would be helpful:

1. The Girijan Co-operative Corporation may be allowed to set up industries based on the raw materials in the procurement of which it has a monopoly on conditions that it should start-such industries with its own capital.

2. The Andhra Pradesh Small-scale Industries Development Corporation should be the main agency to take up joint ventures with the GCC and private entrepreneurs as partners.

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3. The Andhra Pradesh Small-scale Industries Development Corporation should again be the agency to set up the industries in the scheduled areas based on the raw material in which the GCC has no monopoly. Even in the case of raw material in which the GCC has monopoly, the APSSIDC may be allowed to set up industries in case the GCC does not come forward to set up industries based on them.

The Committee however felt that there was no justification for establishing a Corporation exclusively for these areas as plurality of agencies would not serve the purpose. The Committee, after careful consideration, opines that a 'High-power Committee' should be constituted to focus continuous attention on formulation and implementation of industrial development schemes in scheduled areas. It may comprise the following

- 1. Secretary to Government, Industries Department, Government of Andhra Pradesh, Hyderabad.
- 2. Secretary to Government, Employment & Social Welfare Department, Government of Andhra Pradesh, Hyderabad.
- 3. Chairman, A.P.S.E.B., Hyderabad.
- 4. Managing Director, A.P.I.D.C., Hyderabad.
- 5. Managing Director, A.P.S.S.I.D.C., Hyderabad.
 - 6. Managing Director, A.P.I.I.C., Hyderabad.
 - 7. Managing Director, G.C.C., Visakhapatnam.
 - 8. Director, K.V.I.C., Hyderabad.
- 9. Director, Industries Department, Hyderabad.
- 10. Chief Engineer, Public Health Department, Hyderabad.
- 11. Chief Conservator of Forests, Forest Department, Hyderabad.
- 12. Director, T.W.D., Hyderabad.

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Chairman

Vice-Chairman

Member

Member

Member

Member

Member -

Member

Member

Member

Member

Convenor

The Committee feels that the High-power Committee should be vested with full powers for industrialisation of the areas through a decision of the State Cabinet. The decisions of the proposed High-power Committee should be binding on every organisation which should become accountable to it. The functions of the proposed *High-power Committee* may be as follows :

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- 1. To focus continuous and specific attention on promotion of industries in scheduled areas.
- 2. To implement the recommendations of the Expert Committee.
- 3. To coordinate and guide all the promotive agencies for effective industrialisation of the areas.
- 4. To give directions from time to time to all the agencies involved in promotion of industries in scheduled areas and see that its directions are followed.
- To scrutinise the annual budget proposals of all the promotive 5. agencies for ensuring the allocation of 4 per cent of their funds for the Scheduled Tribes and to give its approval.
- To apportion responsibilities between different organisations 6. and departments in regard to the fields of industries to be taken up by them. It will specify the agency for each industry to be promoted in the scheduled areas.
- To give permission to set up industries in scheduled areas. 7.
- To undertake monitoring and review of different industrial 8. schemes and explore further industrial possibilities in tribal areas.

The proposed committee will have to utilise the existing staff of different promotive agencies and suggest organisation of a cell in the Directorate of Tribal Welfare with Directorate of Tribal Welfare with necessary technical and Secretarial staff to work under the control of the Directorate of th staff to work under the control of the Director, Tribal Welfare Department for speedy industrialisation of tribal areas.

The Expert Committee also considers it necessary that an exhaustive and a potential potential and the should be added and the should be added as the should be a comprehensive industrial potential survey has to be conducted in scheduled areas with the help of a multi disciplination of the scheduled strends areas with the help of a multi-disciplinary team drawn from SIETI, SISI. TCR & TT APSSTDC and WITCH TY team drawn from SIETI, SISI, TCR & TI, APSSIDC and KVIC. Though it is a time-consuming survey, it is essential to assess the potentialities of scheduled areas and inductive the scone for new inductive potentialities of scheduled areas and identify the scope for new industrial possibilities. Research in the sphere of industrial economics, industrial possibilities. Research in the span-management and industrial montation logy, industrial finance, industrial tribal management and industrial sociology, industrial finance, industrial areas is essential. The responsibilities for providing, technical know-how, product designing and processing will be taken up by the Netton aboraproduct designing and processing will be taken up by the National Labora-

duce and minor forest produces the major marketing agency for agricultural produce and minor forest produce is the Girijan Co-operative Corporation. Products such as honey sheet at pourder are being agency to agricultural products of the corporation. Products such as honey, sheekai powder are being marketed by the GCC through a net-work of its depots. Shandies in tribal areas are the major centres for marketing of various types of goods including industrial products since organised markets are not found in the tribal areas.

Markets are important for industrial goods. Larger the market and effective the demand, the greater opportunity for the industry to grow. In the scheduled areas the size of the market for the industrial goods is small and therefore, the industries set up in the scheduled areas may have to look for markets elsewhere. Though for the present, the industries based on forest product may have monopoly in the markets, this situation may not last long and the industries in the scheduled areas will have to face competition from similar industries established elsewhere. Further, there are substitute products with which they have to face competition. Therefore, the industries in tribal areas should develop markets for their own goods. The following agencies should take up immediately marketing surveys for the products to be manufactured by the industries in the scheduled areas and develop marketing intelligency.

1. Girijan Co-operative Corporation has a net-work of more than 400 depots spread over the state. This net-work can be used for marketing the products manufactured in the scheduled areas. However, the depots need to be strengthened.

2. The Tribal Welfare Department, in collaboration with SIETI or any other competent agency in the field of marketing, may take up marketing survey not only in the markets of Andhra Pradesh but also in other main consuming centres of the country. The extent of demand for each product the competition from similar products and substitutes, the quality of each product, etc., should be assessed.

3. State Trading Corporation is another agency which may be entrusted with the marketing of products from the scheduled areas. This agency may also be associated with the marketing survey.

4. Price preference to 20 per cent may be given to the products manufactured in the scheduled areas and all consuming departments of Andhra Pradesh should be made to procure the goods from the industries of scheduled areas.

An organisational framework has to be evolved to bestow on the small-scale industries and the economies of scale in purchase and sale operations and also in securing financial assistance from various agencies in addition to solving the problems such as storage and finding suitable and timely market.

CHAPTER VIII

FINANCIAL RESOURCES

Small-scale industries sector now enjoys the benefit of getting finance from different agencies. Prominent among them are the nationalised banks, APSFC, National Small Industries Corporation and Co-operative Banks. The Lead Banks in Andhra Pradesh such as State Bank of India, State Bank of Hyderabad, Syndicate Bank, Andhra Bank and Indian Bank cover all the districts and provide finances for small-scale industries.

Andhra Pradesh State Finance Corporation provides finances to the extent of 85 per cent of the cost of Machinery and shed for the industry. It will not provide working capital. This corporation can even finance small industries with a capital of Rs. 5,000/-. Loans are generally issued on hypothecation of machinery and buildings. The rate of interest charged by this Corporation is 9 per cent for backward areas. The Corporation is willing to finance the industries in tribal areas even at 8 per cent rate of interest. The rate of interest can be subsidised by government. As regards the working capital, the commercial banks, Khadi Board, Industries Department and Tribal Welfare Department can be approached. The margin money can be provided by Industries and Tribal Welfare Departments. In this connection the committee felt that the proposed rural banks might also be approached for financing the tribal artisans at lower rates of interest.

The nationalised banks such as State Bank of India and State Bank of Hyderabad have so far advanced loans to tribals for agricultural purposes only. Loans are not given by these banks for industries purposes in tribal areas. The branches of certain banks are already functioning in the following tribal areas.

	Araku, Chintapalli, Seethampet, Salur.
2. State Bank of Hyderabad	Wankidi, Utnoor and Bhadra- chalam.
3. Andhra Bank	Bhadragiri

4. Syndicate Bank

Union Bank of India 5.

Rajahmundry, Kakinada, Eluru and Vijayanagaram(by opening extension counters or mobile banks) Rampachodavaram and Addateegala.

During the discussions with the representatives of nationalised banks and other financial institutions they indicated that they could provide finance to tribal entrepreneurs provided that (1) viable schemes are prepared and (2) suitable legislation is brought about for recovery of loans, as is being done by Governments of Uttar Pradesh and Bihar. Under U. P. Public Moneys (Recovery of Dues) Act, 1972, the Co-operative and Commercial Banks can get their dues recovered as arrears of land revenue provided that they have had their schemes notified by the Government as State sponsored schemes under Section 2 of the Act. This type of legislation would help the Banks to enter the identified area. The Revenue Recovery Act in Andhra Pradesh has to be extended to recover the loans from entrepreneurs as in the case of land revenue subject to the

growth centres in tribal areas. Growth centres are already identified in some of the tribal areas. Fach branch with centres are already identified in some of the tribal areas. Each branch of the bank may have to be induced to adopt a growth centre in its visition. to adopt a growth centre in its vicinity. This will be the focal point from which other industrial activities will be the focal point from The which other industrial activities will be radiated to adjoining areas. The Banks can open extension countries for a standard to adjoining areas. Banks can open extension counters in Industrial Estates or Mobile Banks can be started since the Bankar can be started since the Bankers cannot get deposits at these growth centres in the initial stages. Accommodation for location of the banks and their staff should be provided in each industrial estate. Banks can advance loans for the provided in each industrial estate. advance loans for the purpose of constructing staff quarters and extension counters in industrial estates. In this connection the Committee felt that a small group comprising the this connection the Committee Rank, felt that a small group comprising the representatives of Lead Bank, GCC, APIIC, APSSIDC, APSFC, Industries and Tribal Welfare Depart-ments may be constituted for growth constituted ments may be constituted for growth centres in each district to co-ordinate the various activities compared with centres in each district to co-ordinate the various activities connected with the organisation and financing of

condition that only machinery and buildings could be attached for recovery The location of banks have to be examined from the point of view of

Co-operative Banks can also provide finance to tribal entrepreneurs for starting industries in the tribal areas. In this connection the Committee came to the view that the Andhra Pradesh State Co-operative Bank and National Co-operative Development Constitution of the Communi-National Co-operative Development Corporation might be approached for finance. Already an amount of De Station might be approached for finance. Already an amount of Rs. 5 lakhs has been set apart by Andhra Pradesh State Cooperative Part for induction that been set apart by Andhra Pradesh State Co-operative Bank for industrial development in tribal areas. Khadi and Village Industrial Commission of the velopment in tribal areas. Khadi and Village Industries Commission also might take up training programmes and provide financial assistance to cottage industries organised

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It is observed that neither the commercial banks nor the co-operative banks are coming forward to finance the tribal entrepreneurs without collateral security in most of the cases. Further, the commercial and co-operative banks cater to the needs of all sectors of the economy. The committee is of the view, that State Industrial Co-operative Bank may be established and its activities should confine to extension of credit to the artisans and industries set-up by weaker sections. Its managing Committee may comprise the Director of Industries, Managing Director, Andhra Pradesh Small-scale Industries Development Corporation, Managing Director, Girijan Co-operative Corporation Limited and Director of Tribal Welfare.

The financing agencies are apprehensive of going into scheduled areas for advancing medium-term and short-term loans to industrial projects for fear that they might not be able to recover the loans in the event of failure of the industrial projects. Small-scale industries are already covered under the credit guarantee scheme to the extent of 75 per cent. To remove the apprehensions of the financing institutions, it is suggested that upto 25 per cent of the credit advanced by the banks for small-scale and cottage industries may be guaranteed and a sum of Rs. 10.00 lakhs may be set apart for this purpose.

Various Corporations and Nationalised Banks charged with the responsibility of promoting industries in the state should be made to earmark a minimum of 4 per cent of their annual budget provision towards industrial development of scheduled areas.

The programmes envisaged in this report require an outlay of Rs. 173.52 lakhs (Annexure-VII) as detailed below:

Rs. in lakhs

1.	Small-scale, Village and Cottage Industries	77.52
2.	Plantations	20.00
3.	Training Programmes	7.00
<i>4</i> .	Livestock based industries	20.00
	Tribal Handicrafts	2.00
5.		25.00
6.	Industrial Estates	1.50
7.	Self-Employment Schemes	3.00
8.	Feasibility studies	
9.	Incentives and concessions	7.50
	Incentives and come	10.00
10.	Credit guarantee scheme	- <u></u>
	Total :	173.52

The contribution of each agency for promotion of industries in tribal The contribution of each agency for promotion of industries in tribal areas is furnished below: Rs. in Lakhs (a) Central Assistance (b) Tribal Welfare Department (c) Industries Department 5.00 5.35 (c) Industries Department
2 Andhra Pradesh Industrial Infrastructure Corporation
3.5 Khadi and Village Industries Commission
4 State Finance Corporation
5 Girijan Co-operative Corporation
19.12
19.12
19.12
19.12
19.12
19.12
19.12 6. Animal Husbandry Department Annual rusbandry Department
7. Entrepreneurs share
8. Banks
9. Government
4.00 9. Government 10. Total'. 173.52 Total'. 173.52

173.52

The expected credit-flow for industrialisation of tribal areas from ks. State Finance Composition industrialisation of tribal areas from Banks, State Finance Corporation, Khadi and Village Industries Commis-sion and Andhra Pradech Industries Village Industries Commission and Andhra Pradesh Industrial Infrastructure Corporation would be and the just St. 15171 2

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CHAPTER IX

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ACTION PROGRAMME

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An immediate action programme should be initiated and implemented. Some of these steps should be linked with the existing skills and practices of the tribals such that their economy might show immediate improvement. A number of studies done by the Industries Department, Khadi and Village Industries Commission, and Tribal Cultural Research and Training Institute reveal that there are a number of professions such as blacksmithy Carpentry, Bee-keeping, Rope-making, tassar silk-worm rearing, matmaking, fibre extraction, gum collection, logging, basketmaking, pottery, oil-extraction, costume and jewellery making, embroidery which can be the sources of gainful employment for the scheduled tribes population.

If improvements and refinements are introduced in the existing cottage and village industries and suitable trade channels are created linking them with marketing agencies, it will be possible to afford immediate economic and social benefits to the scheduled tribe population. As such an immediate economic programme has been worked out.

Because of the absence of factors like capital, entrepreneurial ability, etc. in the agency area, most of the schemes may have to be taken up in the co-operative fold with built-in-safeguards for their proper functioning. Besides, scheduled tribe entrepreneurs may also be encouraged, wherever possible, to take up small industries and business ventures under self-employment schemes. The following industries may be taken up immediately in co-operative fold and by individual scheduled tribe entrepreneurs.

	No. of units	Places
1. Non-edible oil seeds crushing	1	Bhadrachalam.
2. Washing soap	2	
3. Rope making	2	Koyyuru.
4. Basket making		Addateegala, Bhadrachalam, Eturnagaram.
· · ·	3	Polavaram, Burgampadu, Chintapalli.
and Brass litensile	1	
o. Dee-keeping	400 boxes	Bhadragiri.
	1	T. D. Blocks
8. Fibre extraction	1. A	Seethampet.
a) Facilities like participation in s ital, managerial assistance, etc. show partment.	2	Addateegala, Seethampet.
vide financial assistance to the above atral Banks and Commercial Bank ending financial assistance to the abo		
 c) Under self-employment scheme, and ing financial assistance to the above assistance to the above and ing financial assistance to the above and indicated assistance to the above and indicate as a subscript of the following are suggested. 1. Dairy 2. Cycle Taxis 3. Grocery shops 4. Servicing Workshops for Construction 5. Gum collection 6. Minor Forest Produce coll 7. Medical Herbs collection. 1t is suggested that immediate step ons may be to the tune of Rs. 12.63 	ve industrial co some business intrepreneurs Dil Engines etc. ection, etc.	ventures and smal as the beneficiarie

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CHAPTER X

RECOMMENDATIONS

The uni-sectoral economy of the tribes has to be diversified to keep pace with overall economy of the State. The secondary sector in the Scheduled areas needs greater and specific attention along with the primary sector to bring about a sustained growth of tribal economy. The committee made several recommendations for rapid industrialisation of tribal areas which are briefly mentioned below :

1. ECONOMIC PROFILE :

1.1 The secondary sector in tribal areas has to be built up from the scratch and the occupational pattern of Scheduled Tribes has to be diversified so as to reduce the ever mounting pressure on land and provide gainful employment to the tribals.

1.2 Communications have to be developed widely linking up the hinterland with the identified growth centres so as to facilitate the industrial development.

1.3 Industrial infrastructural facilities have to be provided at identified growth centres in scheduled Areas.

2. INDUSTRIAL SETTING :

2.1 Sporadic efforts so far made in the field of setting up industries in tribal areas cover only a fraction of utilisable resources. Concerted efforts need to be put in for exploitation of the resources and the existing human skills on a large-scale.

3. STRATEGY AND PRIORITIES :

3.1 The Committee is of the opinion that the solution for economic development of tribes lies in capital-saving and labour-intensive techniques which are possible through initiation of small-scale and cottage industries.

The Committee suggests that industries should be located in the 3.2 identified growth centres of the scheduled areas. Those industries in which the investment does not exceed Rs. 2.00 lakhs, should be reserved to the scheduled tribes and those industries where the investment exceeds Rs. 2.00 lakhs may be thrown open to others with built-in-safeguards for Scheduled Tribes as enumerated below :

(a) Substantial share-holding for tribals.

(b) Procurement of raw materials from tribals only.

(c) Employment ensured to tribals only.

(d) Provision for earmarking a substantial part of end-products for use in industries set up by tribals.

(e) Permitting tribals to acquire progressively the shares of others. Guided promotive policy has to be adopted in promoting industries 3.3

in Scheduled areas. This policy involves the promotion of industries in Scheduled areas mostly in the co-operative sector and joint-sector. This does not, however, preclude the offer of inducements to individuals

This does not, nowever, precision on one or inducements to and to set up industries. 3.4 Rehabilitation of displaced scheduled tribes should form part of industrialisation and targe apple industrias in scheduled any large-scale industrialisation and large-scale industries in scheduled areas should devote special attention to the development of hinterland areas should devote special allention to the development of man from which raw materials are being procured.

4.1 The Committee emphasises that as a matter of fact the tribal areas need a purposive policy of encouragement and help in exploitation of natural resources and in creation of industrial climate. Appropriate patterns need to be designed to solve some of the problems in tribal areas such as inadequate capital, low productivity techniques, market inadequacy, lack of technical knowledge and entre-

There is a large scope for establishing agro-forest and livestockbased industries on the basis of the existing resources. 4.4 Besides promotion of agro-forest and livestock-based industries

tribal handicrafts and self-employment schemes are to be encouraged,

4.5 Industrial estates are to be established with not more than five or six sheds in identified growth centres. These should be provided with all facilities to attract the scheduled tribe artisans and entrepreneurs.

4.6 The Committee is of the opinion that promotion of industries in tribal areas has to be planned and organised carefully to make the tribal economy self-reliant and self-generating within the predetermined time scale.

Surplus labour in the field of agriculture should be diverted towards 4.7 more productive occupations such as industries.

The Committee suggests that agricultural and horticultural 4.8 resources in tribal areas should be made more productive through intensive and extensive cultivation. A plantation Corporation may be established as plantation crops require huge investments which are beyond the scope of any private scheduled tribe entrepreneurs. the second states

5. TRAINING PROGRAMMES :

5.1 The Committee is of the opinion that training programmes are to be designed to improve the traditional skills and to promote new skills. With this aim in view, about 30 types of training programmes are suggested to suit the proposed industries.

5.2 An official-level Selection and Guidance Committee may be formed for admission of tribals into I.T.I's and for taking up follow up action. This committee will be a subordinate body of the proposed High-level Committee and a second stand of the second s

The Committee recommends that training programmes should 5.3 form part of project profiles of each industry and the training should be imparted at the cost of the company.

The scheduled tribes trained so far in various trades should be 5.4 absorbed into various public and private-sector undertakings and the local scheduled tribes should be given preference. Employment Committees should be formed for recruitment of tribal candidates into various industrial undertakings.

The scope of the I.T. I's has to be enlarged so as to include agro-5.5 forest and livestock-based industrial skills besides non-formal training under self-employment schemes.

5.6 Efforts should be made to fill up 4 per cent of the seats reserved for Scheduled Tribes by extending liberal facilities.

5.7 Apprenticeship Act should be implemented effectively and the likely vacancies in public-sector undertakings should be estimated in advance to provide guidance to tribal candidates.

5.8 Training in engineering skills will go a long way in taking up industries by the scheduled tribes. For this purpose one training institute may be established exclusively for Scheduled Tribes at Visakhapatnam and Scheduled Tribes candidates should be admitted by relaxing the mini-

NA STATES AND STATES OF Training of tribal candidates in managerial and secretarial skills is 5.9 of highest importance on the eve of industrialisation.

5.10 Identification of entrepreneurs among the scheduled tribes is an urgent task which has to be done through action-cum-research programme by Small Industries Extension Training Institute, Tribal Cultural Research

and Training Institute and Industries Department.

Feasibility studies should be undertaken by the national laboratories such as Regional Research Laboratory, Central Food Technology Research and Training Institute, Central Leather Research Institute etc. 6. INCENTIVES AND CONCESSIONS : With a view to stimulate rapid industrialisation of scheduled areas, the following incentives may be provided

the following incentives may be provided.

Twenty per cent subsidy on the fixed capital investment should be 6.1 I wenty per control substay on the fixed capital investment should of given to all types of industries in the non-corporate sector and 45 per cent given to an types of industries in the corporate sector and To per con-to all types of industries in the corporate sector, whose capital investment to an types of moustines in the corporate sector, whose capital investment does not exceed Rs. 1 crore. The maximum amount which could be paid should be limited to Rs. 15 lakhs in each case. Even the industries whose capital investment on fixed posets proved by bard from the industries whose capital investment on fixed assets exceeds' Rs. 1 crore should be considered on selective basis for purposes of granting subsidy which again should be limited to Rs. 15 lakhs only. Some of the identified growth centres are not having power

supply. These centres will have to be electrified as early as possible and the cost of such supply should be borne by Government in view of the the cost of such supply should be with a stand of power to industries.

The committee recommends that the industries should be exempted from stamp duty, water rates, land tax, sales tax, etc. Power subsidy may be given to the extent of 50 per control the star, etc. Power subsidy may be given to the extent of 50 per cent on the amount charged by Andhra Pradech State Electricity Baard for a noticed of for a state for a noticed of for a state for a stat Pradesh State Electricity Board for a period of five years for the industrial units, located in scheduled areas from the data at the version in the data at the second sec units, located in scheduled areas from the date of its going into production.

Four per cent concession in the rate of interest should also be extended to the Units.

6.4 Scheduled Tribe entrepreneurs should be provided with developed plots, building accommodation and machinery and equipment on concession basis.

6.5 The Girijan Co-operative Corporation which has been procuring minor forest produce, should first meet the raw material requirements of Scheduled Tribe entrepreneurs and then supply the remainder to other areas.

7. ORGANISATION, ADMINISTRATION AND MARKETING :

7.1 The Committee strongly recommends that a *High-level Committee* at the State level should be constituted for implementing the recommendations made herein and to focus continuous and specific attention on the promotion of industries in the scheduled areas.

7.2.3 The agencies to bring about industrialisation of Scheduled areas should be Girijan Cooperative Corporation and Andhra Pradesh Small-scale Industrial Development Corporation.

7.3 Marketing agencies for the products manufactured in the scheduled areas should be Girijan Co-operative Corporation and Andhra Pradesh State Trading Corporation. Marketing surveys should be entrusted to Small Industries Extension Training Institute or any competent agency in the field of marketing.

8. FINANCIAL RESOURCES :

8.1 It is estimated that an amount of Rs. 174.00 lakhs would be required for the identified agro-forest and livestock-based small-scale and cottage industries.

8.2 Finances for promotion of industries in the tribal areas will have to be tapped mainly from nationalised banks, Andhra Pradesh State Financial Corporation, Co-operative Banks, Khadi and Village Industries Commission, All India Handicrafts Board, Andhra Pradesh Industrial Infrastructure Corporation, Andhra Pradesh Small-scale Industrial Development Corporation and government departments such as the Industries Department, Tribal Welfare Department.

8.3 The nationalised banks may have to be induced to adopt growth centres in its vicinity for banking operations.

8.4 The Committee suggests that a co-ordination committee may be formed for growth centres in each district to organise and finance the

8.5 A specialised apex Co-operative institution like State Industrial Co-operative Bank has to be established for extending liberal credit facilities to artisans and industries set up by weaker sections.

An amount of Rs. 10 lakhs may be initially set apart towards 8.6 credit guarantee required by commercial Banks so as to cover 25 per cent of the credit extended by the commercial banks.

Four per cent of the annual budget of the Corporations and Nation-8.7 alised Banks should be earmarked for the industrial development of tribal

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9. ACTION PROGRAMME :

The Committee felt that it is necessary to formulate immediately 9.1 an economic programme linking up the existing skills and practices for the benefit of educated unemployed and artisans among the tribals. Industries based on certain raw materials and those based on local skills have been identified for inclusion in the immediate actionprogramme. It is estimated that an amount of Rs. 12.63 lakhs would be required towards this programme for the year 1975-76.

PART II

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I. BACKGROUND PAPERS

TEL: TRIBES OF ANDHRA PRADESH

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Training Institute

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Andhra Pradesh has a scheduled area of 11,595 Sq. Km. with 33 scheduled tribes. This area is spread over eight districts from Adilabad, in north-west to Srikakulam district in north-east with a pocket in Mahaboobnagar district. The 33 tribal groups of the state are inhabitating both the scheduled and plains areas. The total scheduled tribes population according to 1971 Census is 16,57,657 constituting 3.81 per cent of total population in the state. The numerically largest groups are Gonds, Koyas, Hill Reddis, Savaras Bhagatas, Valmikis, Yerukalas and Yenadis; accounting for more than 50 per cent of the scheduled tribe population in the state. There are 6,141 scheduled villages with 7.36 lakhs of tribal population. The remaining 9.21 lakhs of scheduled tribes population is found in plains areas. The distribution of scheduled tribe population in Andhra, Rayalaseema and Telangana areas according to 1971 Census is 10.25 lakhs, 1.91 lakhs and 4.42 lakhs, respectively. The 6,141 scheduled villages are found distributed in the districts of Srikakulam, Visakhapatnam, East and West Godavari, Khammam, Warangal, Adilabad and Mahaboobnagar districts. There are 24 Tribal Development Blocks in seven districts viz., Srikakulam, Visakhapatnam, East and West Godavari, Khammam, Adilabad and Warangal covering 6.26 lakhs of scheduled tribe population. About 2.90 lakhs tribal population is found in 20 identified pockets, in Srikakulam, Visakhapatnam, Khammam, East Godavari, Warangal, Mahaboobnagar and Adilabad districts. and the state

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The tribals are living under diverse conditions, inhabitating plains, thick jungles, hill ranges, river valleys, plateau of varying nature and elevation. The culture of these tribal groups does not offer an uniform pattern. Social ceremonies, festivals, dress and decoration; music and dance vary from region to region and tribe to tribe. Their distinctive marriage ceremonies, spirit-worship and propiation of innumerable indigenous deities typical traditional codes of conduct and peculiar dress and decoration have profound bearing on the life and culture of the tribal people. The traditional Tribal Council still plays an important role in their social, economic and religious life.

Similar to Geo-ethnic environment and social structure, the economic organisation of the tribal is complex, and varied. According to their levels of development, the tribal groups can be broadly divided into three categories viz., agriculturists, pastorals and food-gatherers. Settled as well as shifting cultivation is the mainstay of the tribal groups. Agriculture constitutes the backbone of the tribal economy. About 82% of the tribal working population is engaged in agricultural sector; while the remaining working population of minor forest and Agricultural labour, forest labour, collection of minor forest produce; hunting

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and fishing constitute the subsidiary occupations. The advanced tribal groups like Gonds, Koyas, Valmikis and Bagathas are settled agriculturists. Valmikis pursue a variety of occupations varying from agriculture to money-lending. Savaras, Gadabas and Kondhs undertake Podu-cultivation. Savaras of Srikakulam are experts in terraced cultivation and grow ginger, wet paddy, turmeric, hill banana, etc. Banjaras are pastorals besides being settled cultivators and are more respective to change. Gonds, Kolams, Naikpods Bagathas, Savaras, Valmiki, Kotias, Gadabas, Samanthas, Hill Reddis and Koyas are tillers of land of one type or the other. Kolams and Naikpods, who were once shifting cultivators have now taken to settled cultivation. The Chenchus are yet to outgrow the food-gathering and hunting stage. Pradhans and Thotis thrive as musicians and ceremonial bards to the Gonds. The main occupations of many of the Yanadis are fishing, hunting rodents, and small game, a few of them are also engaged as domestic servants. A few Banjaras and Yerukulas are found to be gainfully employed in government services and industrial undertakings.

Gonds are plough cultivators with cotton crop, holding a key position in the agrobased tribal economy of Adilabad district. Naikpods rear and harvest tassar cocoons. Coffee cultivation is found mostly in the Agency tracts of Visakhapatnam and East Godavari districts and some of the tribals are also found to be engaged as labourers and coffee cultivators. There is vast scope for horticultural development especially Banana. Jack and Mango trees on the hill slopes of the Savara country. Chenchus are adepts in forest labour and they are also engaged in collection of minor forest produce. Banjaras and Goudus are experts in cattle rearing, whereas Konda Reddis are basket weavers in addition to being agriculturists. Almost all the tribals rear and eat poultiy, sheep and goats. It is observed that pigrearing and eating are restricted to certain tribal groups.

Andhs are considered to be born hunters. But this group which is found in Adilabad district is also now settled in agriculture. Gadabas during non-agricultural season are engaged in stone-breaking, earth work and such other roads and construction works of forest and other Government Departments and in the Bamboo and coup-cutting of private contractors of Forest Department. Kammaras or blacksmiths inhabiting the scheduled areas of Srikakulam, Visakhapatnam, East and West Godavari districts. They manufacture and repair agricultural implements of tribals. Samanthas or Khonds are adepts in hunting and fishing besides being shifting cultivators. They are well-versed in handicrafts like basket and mat weaving, oil extraction. They are also engaged as forest labour by Forest Department and forest contractors.

The tribal areas represent a typical example of backward agrarian economy with low yields, poor earnings and under-employment. Subsistence production is still the halfmark of tribal economy. The economy of tribals is custom-bound and not competitive There is no balanced growth of primary, secondary and tertiary sectors as the latter two sectors are almost neglected in tribal areas. The low yield in agriculture, absence of industrilisation, inadequacy of transport and communication facilities, high ratio of tribals in the age group of below 14 years with standard of living which is always below the poverty line are considered to be the characteristic features of the backward tribal economy

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The tribal areas are rich in forest and mineral wealth. They are famous for minor forest produce such as gum, chironji, tuniki leaf, adda leaf, tamarind, marking nuts, gantu barangi, nuxvomica. The tribal areas are rich in forest wealth such as timber, bamboo and minor forest produce. Some of the minor forest products form the base product for the chemical, pharmaccautical and cosmetic industries. There is vast scope for starting agro-based industries since the tribals mostly depend upon agriculture. There is scope for food preservation in the tribal areas. · . . .

·0.11 Andhra Pradesh is endowed with a wide range of mineral deposits such as coal, iron ore, manganese ore, lime stone, graphite. Lime-stone of cement grade, clays useful in ceramic industry and coal are being exploited in the tribal areas of Adilabad district. In Warangal and Visakhapatnam tribal areas lime-stone, coal (Khammam district) and Graphite (Khammam, West and East Godavari Districts) are found. The tribals are not benefited though many of these mineral deposits are being commercially exploited. Rich mineral ores are available in Khammam district. The coal fields at Kothagudem and Yellandu of Khammam district have secured a place of honour in the Industrial map of India. Large deposits of iron ore are located at Bayyaram, Kacharam, Mallaram and Appalanarasimhapuram of Khammam district. The minerals such as barytes, bauxites, coromides, mica, graphite, lime stone and quartz are also available throughout Khammam district...Singareni collieries, a government undertaking, is situated nearer the scheduled areas of Khammam district. Many of the Koyas belonging to surrounding villages of Yellandu and Kothagudem mines settled as unskilled workers in the collieries. Sirpur Paper Mills is also located in Adilabad District where the tribal population is more predominent. A.C.C. Cement factory at Mancherial and Coal Mines at Bellampalli are adjacent to the tribal areas. Very few tribals of surrounding villages are employed as labourers in these two industries.

Anne and Anne Arts Days and a state of the second The mineral, forest and agro-based raw materials which are abundantly available in tribal areas are not fully exploited. There are no worth-mentioning large-scale and small-scale industries in tribal areas. Though there are about 3,000 tribal workers in the fields of blacksmithy, carpentry, pottery, basket weaving, mat weaving etc, they are not settled in these fields and their technical skills are not improved. Food canning centres common facility centres, bamboo and rattan production centres etc., are found here and there in the tribal areas. The impact of these existing industries on tribal economy is almost negligible, as only 2.58% and 3.54% of workers are engaged in quarrying almost negligible, as the state of the list of tribal induct in quarrying mining, forestry, plantation etc., and household industry respectively as per 1961 census. mining, forestry, planting industries and the list of tribal industrial workers are given The existing list of cottage industries and the list of tribal industrial workers are given in Annexure 1 and 2.

The Girijan Co-operative Corporation which has been functioning since 1956 in the tribal areas has made certain sporadic efforts in the field of industries. Many of the the tribal areas has have only of the minor forest products which are being transacted by the Girijan Co-operative Corporation minor forest products which are being transacted. The Girijan Co-operative Corporation minor forest products which are certain industries. The Girijan Co-operative Corpora-form the basic raw materials for certain industries in the tribal areas tion started the following small-scale units in the tribal areas.

- 1. Sheekai Grinding Plant. Honey Pasturisation Unit of Narsipatnam.
- 2.

3. Myrabolan Crushing Unit at Srungavarapu Kota.

4. Niger Seed Oil Mill at Paderu.

5. Manufacturing Unit for Washing Soap from non-edible oils at Seethampeta.

6. A Plant for extraction of fibre from Sisal Leaves at Araku.

entities and an antipulation of

The Girijan Co-operative Corporation has identified as many as 24 units for development of forest-based industries. The Girijan Co-operative Corporation in its Board meeting cheld on 5-3-1974 approved plans for starting the following 5 units with financial assistance from the National Co-operative Development Corporation:

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2. Extraction of Alcoholoids from Nuxvomica at Palvancha.

b. 1997 3. Tartaric Acid and Pectin from Tamarind Pulp at Madugula.

4. Starch extraction Plant from Tamarind Seed at Gummalaxmipuram.

bas mar. 5. 'Gum "Grading 'Unit' at Adilabad.

merchan Besides the above, the Girijan Co-operative Corporation proposed to take up coffee plantation and cultivation of medicinal plants (Herbarium) in Agency areas of the state. It, has also opened small experimental herbarium at Araku on guidelines furnished by Dro Akthar Hussain Kashmiri for demonstrating the cultivation of herbs. The efforts so far made in the industrialisation of tribal areas are not upto the

desired level. There is vast scope for starting agro-forest and mineral-based industries in tribal areas. A systematic industrial potential survey about these resources has to be conducted in each of the eight districts so as to assess the extent of their availability in each area and their usefulness for starting various industries. However, a blueprint is prepared by the Industries Department about the possibilities of takingup small-scale industries in tribal areas. The project profiles for 24 units are available (List furnished in Annexure 3). An amount of Rs. 74 lakhs would be required for establishing these 24 forest based industries in tribabareas. This blueprint also indicated the possibilities of establishing certain other village and cottage industries. Schemes are also prepared in respect of sisal, miscellaneous fibressetc. The list of village and cottage industries are given in Annexure 4 The action Plans prepared by the Tribal Welfare Department indicate the possibility of number of agro-forest based industries, which are given in Annexure 5. Apart from establishing agro-forest based industries in tribal areas, vigorous steps have to be undertaken for improving skills of tribals and for establishing Tribal Industrial Estates, besides initiating action for starting Industrial Development Co-operative Corporation exclusively for the tribal areas. These steps will diversify the tribal economy and strike a balance for the promotion of secondary sector in the tribal areas.

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2. PLAN POLICIES AND VIEWS OF VARIOUS COMMITTEES AND COMMISSIONS ON VILLAGE AND SMALL SCALE INDUSTRIES

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The present day policies favour a balanced approach recognising that the industrial development cannot proceed effectively without corresponding appropriate development of agriculture. According to Lewis, "an agricultural and industrial revolution always goes together, the first releasing the labour, which the second draws off the land." The process of industrialisation involves, an increased volume and trangel of consumption process of industrialisation involves, an increased volume and trangel of consumption goods to the population in the agricultural sector. The promotion of local industrial activity provides alternative employment opportunities for underemployed farm labour activity provides alternative employment of income for farm investment and perhaps a new which in turn creates "a new source of income for farm investment and perhaps a new spirit of progress". Local industrialisation may set in motion a set of forces inducing

higher levels of agricultural resource productivity, increased farm production, higher levels of farm and family income and may also lead to reduction in spatial and personal income inequality, thus contributing to Myrdal national economic integration.

The policy followed, by government in the promotion of village and small-scale industries during the planning era is discussed here. a ordered public clift clift clift clift.

First Five Year Plan: The policy was to provide a field within which each cottage industry may be able to organise itself. A measure of control by government over the organised sector of the industry was necessary to reduce the competition of a over the organised sector of the industry by way of formulating the common production large scale industry with cottage industry by way of formulating the common production programme. As regards handicrafts, it was stated that co-operatives, and associations programme to make artisan become less dependant on middlemen.

Second Five Year Plan: The industrial policy resolution of April 6th, 1956 emphasised that while continuing the measures of differential taxation or direct subsidies emphasised that while continuing the measures of differential taxation or direct subsidies to protect the small-scale cottage and village industries, the āim of the State policy should to protect the small-scale cottage and village industries, the āim of the State policy should be to ensure that the decentralised sector acquires sufficient vitality to be self-supporting be to ensure that the decentralised sector acquires sufficient vitality to be self-supporting and its development is integrated with that of large scale industry. It was also further and its development is integrated with the establishment of industrial Estates and Rural stated that a start has to be made with the establishment of industrial Estates and Rural community Workshops to make good deficiencies such as lack of technical and financial assistance, working accommodation.

Third Five Year Plan : During the Third Plan, the policy was set out to organise Third Five Year Plan : During the Third Plan, the policy was set out to organise co-operatives for artisans and craftsmen, improve the productivity of worker and reduce progressively the role of subsidies, sales rebates and sheltered markets besides promoting the development of small-scale industries as ancillaries to large industries.

Fourth Five Year Plan: While reiterating some aspects of earlier policy approach, the Draft Fourth Plan (1966-71) published in August, 1966, emphasised the development of rural industries including agro-industries and also the manufacturing of inputs required for agricultural production like agricultural implements. Another important step was the identification of rural and tribal growth centres and provision of credit, technical advice and service facilities in an integrated manner.

The Fourth Plan document (1969-74) states that the small-scale dispersed units should absorb the fruits of technological advance and provide opportunities for selfemployment for technically trained persons. The technological unemployment has to be avoided at any cost and the small-scale units should be made viable. During the fourth Plan, it was envisaged to promote small-scale and village industries including affo-based ancillary industries in semi-urban and rural areas besides improving the skills

The Ashok Mehta Committee (1968), while emphasising that the basic approach should be development oriented for the establishment of village industries; recognised that for building up the structure of decentralised industry "it is necessary to adopt measures for the provision of socio-economic overheads and essential facilities including efficient systems of transport, water and power supply, credit, technical training and advice, etc., in small towns and villages."

Fifth Five Year Plan: The strategy during the Fifth Plan is to create large scale opportunities for fuller and additional productive employment and improvement of their skills so as to improve the levels of their earnings. The programmes would be reoriented to step up the production of some of the basic and essential articles for the masses and also will be to:

(i) develop and provide entrepreneurship and provide a package of ment particularly self-employment;
(ii) facilitate fuller utilisation of the skills and equipment of the persons already engaged in different small industries;
(iii) progressively improve the production techniques of these industries so as to areas including backward areas.

These programmes would be supported by suitable policy measures of protection and incentives. During the Fifth Five Year Plan the policy is to encourage small and medium entrepreneurs and continue the policy of reservation for the small sector consistent

with the potentialities within the framework of industrial policy resolution of 1956. The small entrepreneurs including co-operatives will be encouraged to participate in the production of mass consumption goods. . . 5 . 22

Development of backward areas : During the Fifth Five Year Plan, it is proposed and the second second to give high priority for the development of agriculture and processing of forest produce. Schemes for exploitation of forest resources and programmes of horticulture and small cottage industries based on forest raw materials will have to be drawn up to generate considerable employment to tribals. The draft Fifth Five Year Plan also envisages advance planning to absorb the tribals affected by the establishment of the indusrial projects. It is also stated that "in backward areas, choices for investment are to be identified and on the basis of a careful investigation of local potentials and integrated into the framework of appropriate strategies arising out of the existing levels of productivity trends of development, assessment of organisational capabilities, coverage and quality of infrastructure, patterns of consumption, production relations, vocational patterns availability of skills and entrepreneurial availabilities." ÷., ., · · · · · ·

The government have been adopting varied policy measures and programmes as detailed above for the promotion of small-scale industries. During Fifth Five Year Plan emphasis has been laid more upon the agro and forest based cottage industries in backward areas. In this context, it is worthwhile to examine the view of various committees and commissions on the promotion of cottage and small scale industries in tribal areas.

Views of the Commissions and Committees : Various Committees and Commissions especially Dhebar Commission and Elwin Committee have been stressing the need for promotion of village and small-scale industries in tribal areas. According to Dhebar Commission, "if the problem of destitution or the sub-normal standards of living in the tribal areas is to be tackled, it can only be through development of village and cottage industries." The Commission opined that poverty in the midst of considerable unused human and material resources and underdeveloped creative facilities is the phenomenon of tribal areas:" It has suggested promotion of village and cottage industries in tribal areas with a view (1) to utilise and develop creative faculties of the tribal people, (2) to provide gainful employment to them, and (3) to offer them an avenue for converting the raw materials into processed articles and thus taking their economy a step further.

The village industries in the tribal areas can be divided into 3 categories viz. (1) consumer goods industries, (2) processing industries, and (3) handicrafts and art pieces. The Commission stressed that "wherever, therefore, there is raw material available and there is a market available locally or outside, the principle should be that the raw material should not go out as raw material but should go as processed articles unless the cost is une conomic or it involves technical or transport problems beyond the reach of the administration in the tribal areas.

As regards organisational aspect, the Commission observed that "the basic thing, however, is the need for an effective organisation for all the three types of village and cottage industries. It is only when there is organisation solely devoted to the task of survey, study, piloting and organising that there will be any appreciable change in the situation.

According to the Elwin Committee, not very much satisfactory progress has been made in the field of arts and crafts of tribal areas. The arts and crafts of tribals have largely perished though the tribal people are essentially artistic and creative in temperament due to the following inimical factors (1) poverty of tribals, (2) difficulty in obtaining cannot afford or obtained paints and paper, (4) lack of patronage and encouragement, areas, (6) taboos on the practice of various crafts to material economy was extremely tribal areas were not successful due to lack of knowledge on the part of extension officers not be desirable to subsidise craftsmen for the rest of their lives since the tribals. It may tread the become accustomed to governmental assistance, with the result that they cannot readjust themselves easily when particular schemes came to an endilly that they cannot

much of mechanised aid also is no good. While suggesting the approach to the subject from sociological side, the Committee observed that if a particular trade is tabooed it should not be imparted.

The Elwin Committee quoted Dr.B. H. Mehta who stated in his report on Field Research and Survey on Tamia Block that "the origin of arts and crafts in animism, the factors that must be taken into account when planning the development of tribal arts and lisation of artistic values be encouraged." People should not think in terms of sales only dances and festivals to decorate their own houses with carved doors, wall paintings and In this way the creative spirit will grow and flourish.

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In this connection the Elwin Committee has also quoted the approach adopted by the N. E. F. A. administration in attempting to sell the products in the area through emporia in the towns, placing its priorities as follows idation of the people themselves so that they can wear their own hand-made dress, use their own carved masks for darker and the transformed to the tran

dress, use their own carved masks for dances so that they can wear their own hand-made own institutions with beautiful pictures and designs. Secondly, the surplus local products should be purchased by the administration itself to furnish their own offices and institutions, for example, locally made blankets are being bought for hospitals and school hostels, hand-woven coats are being made as blazers for school boys, tribal, curtains are being obtained for offices and circuit houses. And only thirdly, when the people become is planked to sell goods on any large scale outside." Referring to cottage industries the Elwin Committee quoted the Development Commissioner's Conference held at Mussorie as follows :----

"While chalking out the programme, consideration should be given to the locally available raw materials, skill and marketing facilities. At will be wise to plan largely on the basis of consumption in the area itself and selfsufficiency." The Development Commissioners Conference further observed that "Rapid introduction of machine and higher technique in tribal areas should be discouraged. The rechniques in these areas should be on organic development. Every effort should be made to ensure that the culture and tradition of these people do not suffer any jolts in the process of the introduction of improvement in their style and standard of living." nigerbroid mgerbrid The Elwin Committee suggested that the present rules of the Forest Department have to be examined from the angle how far they militated against the development of cottage industries. The Forest Departments hould encourage the tribals to follow their arts. The women welfare centres should be reoriented with tribal background; such as designs embroidery, knitting. The Committee has also suggested the starting of peripatatic units for training in crafts besides conducting the research. Surveys have to be undertaken to find out what type of arts or crafts already exist and to assess how these can be developed, what crafts, can be introduced on an economically sound basis and to discover what kind and quality of articles can be consumed locally and what type of article's can be exported.

3. INDUSTRIALISATION OF THE TRIBAL TRACTS IN ANDHRA PRADESH Bender G. M. Construction of the second secon FF ...(I. Economic background of Tribals in Andhra Pradesh :

er di di Cina di Cina de The tribal Agency of the State of Andhra Pradesh extends from the Bhadragiri Agency in Srikakulam District to the Bhadrachalam Agency in Khammam all along the hinterland of the Coromandal coast and thereon northwest into the Adilabad Agency and all along the periphery of Dandakaranya bordering on the States of Madhya Pradesh Orissa and Maharastra. In addition, there are a number of tribal pockets along the coastal, areas, mainly in Nellore, Chittoor and Guntur Districts. The agency areas are inhabited by the Savaras, the Gadabas, the Bhagathas, the Kondareddis, and Gonds, etc. The plains pockets of the coastal areas are inhabited by the Yanadis, the Sugalis, the Yerukalas and the Chenchus.

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The different tribal groups live in the varying stages isolation and development however, they are all characterised by a marked degree of economic backwardness.

- (i) The most primitive of the hill tribes live in remote corners in the hill and forest areas of the agency.
- (ii) Some live at the 'Podu' of shifting stage of cultivation.
- (iii) Others have taken to regular agriculture though almost entirely on a sub

The Agency areas of the State abound in forest wealth such as Timber and Bamboo. In addition, there is a large amount of forest produce characterised as Minor Forest produce such as tamarind, Gum Karaya, Myrobolams, Nuxvomica, Rawolfia Serpentina' Honey Mohwa seed, Adda leaf, etc. Many of these commodities form the base produce for the chemical and pharmaceutical and cosmetic industries. Other form the base for industrial uses such as Leather, Textiles, etc.

Needless to say, the economic and social wellbeing of the tribal depends upon the forest and the exploitation of its resources (i) the gathering of Minor forest produce forms the predominant occupation of the most backward of the tribals. This activity provides them with sustenance as well as a source of income through trade and barter. Minor forest produce is of spontaneous growth every year and the tribals have a free right to gather the produce, and sell it for their earnings. (ii) or the slightly more advanced tribals 'Podu' or shifting cultivation on the hill slopes represents a stage of Agriculture at a low level of agricultural technique, (iii) for some of the tribals in the forest areas' the exploitation of fuel and bamaboo coupes through the Govt.

departments or through contractors provides them seasonal employment, (iv) traditional cottage crafts such as they exist, use the raw material available from the forest such astibamboo, Koperi grass etc., for Rope making, Mat weaving etc.

1. กลุ่มหลางใน เป็นโปรฐมู้ได้เป็นมีประมีผู้ผู้ผู้เป็นไปไป เป็น เป็นไป the second 415 The economy of the tribal is necessarily frail and no single occupation or a combination of these can provide him even subsistence standards of living. At the same time due to the isolation and backwardness thrust upon them, the tribals, have been denied opporunities of developing their skills. For the same sociological reasons, there are little prospects of employment through migration to urban areas.

II. The National Forest Policy and its Impact over Tribal Economy The National Forest Policy Resolution of 1952 laid stress on the material well being of the inhabitants of the forests. In fact that the well being of the tribals is to be the guiding principle of forest management and exploitation of forest resources eithen directly, by the State or through a net work of tribal co-operatives.

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While the collection of Minor Forest Produce forms the major occupation, the tribal has had to depend upon an inequitable barter system for the sale of these produces at the "Shandy" or market points. The tribal was forced to wait at the receiving end of an inequitable exchange system which exploited his isolation from the organised market to cheat him in terms of both price and weight for his produce.

The Girijan Co-operative Corporation Ltd., through a net work of multipurpose credit co-oparative and Marketing societies through tribal areas of the State, purchases the Minor Forest Produce of the tribals, ensuring them a price commensurate with that prevailing in the organised market. The Girijan Co-operative Corporation Itd., buys off the major. portion of the tribals produce of Gum Karaya, Tamarind, Nuxyomica, Honey, Addaleaf Myrobolams etc., to be sold in the organised market either to end users or more often to the trader in the organised markets. The trading activity of the Corporation has gone a considerable way in ensuring a fair return to the tribal. However, it may be seen that this is essentially a protective measure which substitutes an institutional agency for a private exploitative system.

It is necessary to develop this activity into its promotional aspects viz., for industrialising the tribal areas with the necessary impact of the occupational structure and the economy of the tribals, the solution for the economic development of the tribals and the contour, of the tribals and the maximum exploitation of the produce of the forest through a net work of is seen in the maximum exploitation of the produce of the forest through a net work of processing units within the geographical limits of the tribal area. These industries will use both the M. F. P. and the agricultural produce; of the tribals as the basic raw use ooth the industries will provide opportunity for diversifying the occupational material. These industries will provide opportunity for diversifying the occupational pattern of the tribals from being gatherers of forest produce to the workers engaged in pattern of the tribuits they will help to secure a better price for the basic produce of processing and industry. They will help to secure a better price for the basic produce of

Simultaneously, with the establishment of several processing industries, the skills the tribals. of the tribals to suit the small village and Cottage Industries production programmes have

to be developed. In the beginning, simple techniques would ensure the tribals acquire these skills with the minimum training. These are suitably structured programmes for the development of small and Medium Industries would create the necessary impact on the economic profile of the tribal areas while bringing about a change in the occupational pattern of the tribals which in turn will bring about a new pattern of wants, and consequently ensure higher standards of living. Such of the tribal who have availed of the facilities for vocational and technical training can be imparted with advanced technique to suit more sophisticated processing units.

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III. Industrialisation of Tribal Areas :

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The Girijan Co-operative Corporation Ltd., has taken the lead in these aspects and has in the recent past made a beginning in setting up a few processing units in the Agency areas. The Corporation runs a Sheekai Grinding Plant at Narsipatnam with an installed capacity of 75 kgs. per 8 hours Shift and a small honey pastearisation unit with an installed capacity of 75 kgs per 8 hours in Narasipatnam. Based on this experience, the Corporation has set up three more units (i) Myrobalam Crushing unit at S. Kota with an installed capacity of 31 tonnes per 8 hours (ii) à Niger seed oil crushing unit at Paderu with an installed capacity of 8 to 10 tonnes per day and (iii) a Soap manufacturing unit at Seethampeta. The earlier units were financed entirely out of the Corporation resources. The Myrobalam Crusher and the Oil Expeller have been financed by way of "Grants-in-aid" from the Government funds and Soap Making Unit by Khadi and Village Industries Commission, respectively,

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In addition to these modest beginnings, the Corporation in its role as Chief Promoter of economic activity in the tribal areas had identified large areas for development of forest-based industries. The Corporation has to investigate available resources in the agency areas and also identify specific possibilities of resource-based processing industries. A list of 24 such Industries, which offer possibilities of processing the forest produce are indicated below which offer possibilities of it may be a that this is eventicity a reasoning more that which

1. B. Class Scape Uniter a content of the

2. Honey, Plant, for Pasteurising, Honey, Growthere was 3. Starch from Tamarind, second of the case of the

4. Pectin and Tartrate from Tamarind Pulp.

5.5. Alkaloids from Nuxvomica, and R.s. Serpetina etc.

2.6. SFruit Preservation Units of annuality of a second second

7. Khandasari Sugar Unit. 8. Hand made paper Unit. Die statility site of the state Khandaşari Sugar Unit. There of the

10. Da-hydration of Ginger and Ginger Products.

11....Ropetand Ban makingfunit stude for age the Bung etc.

Sago Pellets from Topioca. 12.

Grading and Processing Gum Karaya. noi-13.

- Lemon Grass oil by distillation. I a pair 14.
- Wood cutting (Saw Mills) 15.
- Annato seed processing for extraction of colour. 16.
- Splints and Veneers. And other that the man distance and see on the and state and 17.
- Modified Tamarind Kernal Powder TKP Phosphate or TKP Borate. 18. confid by iteration
- Tartaric Acid from Tamarind leaves. 19.
- Manufacture of absolute Alchohol from Molassess and Mohwa flower. 20.
- Beedi Manufacturing. 21.

Basket Making. 22.

- Dall Mill 23.
- Agriculture implements. 24.

Further scope exists for developing the plantation industries such as : Charles of 17 bands of the

- Tussar Silk Production. whole there ond Giral and Giral and 1.
- Lac production. 2.
- and goldens a Beedi Leaf Collection. 3.
- Production of fibre from Pineapple and Sisal. 4.
- Plantation Industries. 5.
 - Coffee Plantation. (a)
 - Teak Plantation. (b)
 - (c) Cocoa Plantation.
 - Pepper Plantation. (d)
 - Cardemum Plantation, 1 (e)
 - (f) Sardol Plantation.
 - (g) Rubber Plantation.
 - (g) Rubber Flandaron.
 (h) Perfumery and Flowers with leaves, etc. for essemial oils.
 - (i) Cinnamon campher plantation: 51 con 2 little distribution (494)

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- The degree of investigation in each one of these cases varies from unit to unit.
- (a) Project reports are available in respect of the following units.

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- Starch from Tamarind seed part to and
- Tannin extract from Myrobalam. (i)
- (ii)

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(iii) Honey Pasteurisation Plant.

(iv) Myrobalam crushing unit and

Niger seed oil extraction unit. (v)

Technical notes are available in the following cases. *(b)*

(i) ۲

Ъс.,

Tamarind Juice concentrate.

(ii) Pectin and Tartrate from Tamarind Pulp. and a strange of a s

(iii) Alkaloids from Nuxvomica.

(iv) Fruit preservation unit.

Khandasari Sugar Unit. (v)

Match Industry. (vi)

(vii) Hand Made Paper unit.

(viii) De-hydration of Ginger and Ginger products.

(ix) Rope and Ban making unit.

(c) For other units some basic notes are available viz.

Sago pellets from Topioca.

(ii)

Grading and Processing of Gum Karaya. (iii)

Lemon Grass oil by destillation *(iv)*

Wood Cutting (Saw Mill) (v)

Annattoo seed processing for Extraction of colour. ··· . . , (*vi*)

Splints and Veneers.

(vii) Modified Tamarind Kernal Powder TKP Phosphate or TKP Borate. (viii) Tartaric Acid from Tamarind Leaves and

(ix) Manufacture of Absolute Alchohol from Moiassess and Mohwa flower. cum-feasibility reports.

Further, investigation is necessary to come up with processing details and project-

A rough estimate of the investment required for these processing industries exclusively will be of the order of 88 lakh rupees. It would provide direct employment for about 1,000 tribals and another 500 by way of indirect employment. On an approximate estimate

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of an annual income of Rs. 1,500/ per person employed, the total wage and salary income generated will be of the order of 25 lakh rupees. In addition, these industries will permit a higher purchase price paid to the tribal, at an estimated of 10% rise over the present level. It will generate a further income of 5 lakhs in the agency area. Thus total additional income would be of the order of approximately Rs. 30 lakhs. , . . . ,

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Similarly the investment for the plantation industries would require another 65 lakh rupées. . . and the provest for the second second the first state of the

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IV.

Source of Finance ; The national Co-operative Development Corporation, New Delhi has a comprehensive scheme of planning, promoting, organisation and financing of co-operative processing units and intensified development of small industries including agricultural processing in rural and tribal areas. The Corporation sanctions assistance both short term and long term on receipt of specific proposals on the basis of both consistent and project reports. For the purposes of block-cost; and units are divided into two categories in respect of Co-operative Agricultural processing units viz.

- Units with block capital cost of less than Rs. 15 lakhs are classified as (a)small sized; and
- (b) Units with block costs between Rs. 5 lakhs and Rs. 60 lakhs are classified as medium sized.

For the purpose of the above classification, the block capital cost is deemed to include all long term requirements including cost of land, building, plant and machinery, erection charges and also the necessary provision for margin money for the purpose of raising working capital.

The block cost: of the processing units taken up under this centrally sponsored scheme will normally be above Rs. 1 lakh.

According to the pattern of assistance of the N.C.D.C. in case of small sized units, According to the pattern of 75% of the block cost while in the case of medium the refinance is available upto 75% of the block cost while block the block th the refinance is available upto 70% of the block cost. In the case of sized units, the refinance facility is available upto 70% of the block cost. In the case of sized units, the remance monthly is and industrially backward districts identified by the co-operatively underdeveloped areas and industrially backward districts identified by the co-operatively underdeveloped arou. C. D. C.'s assistance is available up to 80% of the block Planning Commission the N. C. D. c.'s distinguistic cost for both small and medium sized units.

The National Co-operative Development Corporation also provides margin money The National Co-operative order that limitation on raising working capital may not for co-operative processing units in order that secure raw material for utilication for co-operative processing units in order to secure raw material for utilisation of installed restrict the capacity of processing Development Corporation also arready restrict the capacity of processing units for manages for conduct-capacity. The National Co-operative processing units for manages in conductcapacity. The National Co-operative processing units for managerial personnel. ing training in management of Co-operative processing of feasibility. ing training in management of Cooperation of feasibility project reports The N. C. D. C. also provides assistance for the preparation of feasibility project reports for establishing the co-operative processing units.

V. Girljan Co-operative Corporation Limited. As per promotional venture as and to The Girijan Co-operative Corporation has provided for a large degree of economic activity in the tribal areas. In addition to normal activities of outright purchase of produce of the tribals, sale of D.Rs. and provision of agricultural credit, the Corporation has added, various lines of activity in its operations to ensure effective exploitation of resources for the benefit of the tribals. It has concerned itself with improving the technical skills of the tribals and providing them with opportunities for diversifying their occupational patterns. It has conducted a number of training schools for masonary, brick making, motor driving etc. It has encouraged mat weaving, rope making, basket making etc., among the tribals. It has also made a beginning introducing new patterns of occupations such as Bee-keeping and, Sericulture among the tribals. Further it has set up a few processing units within the sagency areas, and a mero and a more second to durite when being and an and and a second second to durite when in a mero and a second seco "Uloni The Girijan Co-operative Corporation with the exclusive objective of promoting industrial development in the agency areas may lumined successful of the unit of the objective of promoting areas may lumined and the agency areas may lumined successful to the objective of promoting areas may lumined and the objective of promoting areas areas and the mean trained to the objective of the objective objective of the objective objective objective of the objective ense stimu(i): continue its operations in surveying forest potential and list out possibilities sin chan and industrial development of the tribali areas, "obtain processing details, feasibility reports and project reports and maintain laison with various Research Organisations like R. R. Labs, C.F.T.R.T., H.R.T.C. etc. (ii) Commission Institutions with research experience in the preparation of industries. or born o(a) to develop the processing details on the basis of raw materials made grand en bnavailable and to prepare the technical feasibility reports in each case. to cooping off in these development me recumularitationing intervents in taking and (b) In cases where development processing reports are inot available, evolve and develop process after testing the raw material on the pilot plant briogge in available in the department itself ibefore incorporating in the technical estim bes(c) In cases where processing reports are available; technical feasibility and seitement no matte in alle e Re. 1 (abit. mibem in preconomic viability reports will be prepared for adoptation by the Girijan anipen in providing a detrier report of the prevence interaction of the constraints of the constraints of the prevence of the The Girijan Co-operative Corporation may utilise the 100% subsidy facility available in the pattern of assistance of the N.C.D.C. under Corporation sponsored schemes for the preparation of Project reports and get the reimbursement of the expenditure incurred by it for the preparation of project Feasibility and Processing details reports.

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4. PLANNING FOR INDUSTRIAL DEVELOPMENT OF THE TRIBAL AREAS

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Dr. B. D. Sharma, Joint Secretary to Government of India, Ministry of Home Affairs, NEW DELHI.

Introduction: Economic development is generally characterised by diversification of economy and sustained growth of its numerous facets. When a nation starts with a base of agricultural economy, a fast rate of growth in the industrial sector is always with a base of agricultural economy, a fast rate of growth in the industrial sector is always desired. This, however, cannot be planned in isolation, it has to be preceded by, or atleast desired by a steady rate of growth in the agricultural sector. It is not necessary accompanied by a steady rate of growth in the agricultural sector. It is not necessary for us to go into the theoretical aspects of a balanced or imbalanced growth path. Howfor us to go into the theoretical aspects of a balanced or imbalanced growth path. Howfor us to go into the theoretical aspects of a balanced or imbalanced growth path. Howfor us to go into the theoretical aspects of a balanced or imbalanced growth is emphasis continued Second five year plan envisaged a high rate of industrial growth; this emphasis continued Second five year plan envisaged a high rate of industrial growth; this emphasis continued in the Third Plan when high priority was given to basic industries. The agricultural in the 'Third Plan when high priority was given to basic industries and, therefore sector was not able to keep pace within overall growth matrix in the nation and, therefore the basic structure was subjected to numerous strains. A review of the policies was the basic structure was subjected to numerous strains. A review of the policies was the basic structure has again been given a high priority in the strategy of undertaken and agriculture has again been given a high priority in the strategy of

2. The tribal economy is even less developed compared to the general rural econmy in India; it is also less diversified. The sophistication of even general agricultural sector is not found in many tribal areas. However, the entire tribal tract does not present a uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture in the tribal regions are extremely backward and subsist at prea uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture. Some of the tribal regions are extremely backward and subsist at prea uniform picture scene in the country. Many of the tribal areas have rich forest with the general agriculture scene in the country. Many of the tribal areas have rich forest provide a substantial part of the subsistance in the and mineral resources. The forest provide a substantial part of the subsistance in the and unskilled labour in the traditional forestry operations. The tribal communities have and unskilled labour in the traditional forestry operations. The tribal communities have a high level of traditional skills; but the level of literacy and the more sophisticated a high level of traditional skills; but the level of roads, communications, institutions 'modern' skills are missing. The infrastructure of roads, communications, institutions energy, cheap labour etc., are, however, in many cases their distinguished features.

3. A resume of Industrial Scene in Tribal Areas: There is no consistent picture of the industrial scene in tribal areas; in fact a special model of development of tribal economy has not been attempted. The objective of bridging the gap between the tribal areas and the more advanced areas and the desirability of the tribal communities areas and the more advanced areas and the mainstream of national life are stated in general term joining as early as possible the mainstream of national life are fore, it is not surprising without indicating even broadly the possible growth paths.

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that the growth of industrial sector in tribal areas has been ubiquitous and is influenced by other considerations rather than being a part of an overall strategy of development of these areas. The industrial process is also essentially inward looking having little concern for its impact on the tribal economy.

4. Bigger Industries : A number of major industries based on raw material have been established in the tribal areas on considerations of overall national economy. Thus, the industrial complexes of Rourkela in Orissa and Ranchi in Bihar came up in the most backward tribal areas; the Mining Complex of Kiruburu in Orissa and Bailadilain Madhya Pradesh were also started for similar considerations. In their case, locational decisions were taken essential infra-structure like railways, roads, power-lines etc., were developed as a part of the projects. There is one important characteristic of these big industrial and mining complexes; they are inward looking and self-sufficient having most of their linkages with more advanced areas. They do not depend upon the local communities even for unskilled labour. Some other industries based on bulky raw materials like forest produce which can be processed with advantage at their source, have also been established in some areas. However, there is no systematic effort and also been established in some mean.

1957 (Mar 21, 1972) 5. (i) Other Efforts: As a part of various general programmes under different schemes like Community Development and Tribal Development Blocks, promo-tion of small-scale industries handicrofte with and Tribal Development Blocks, promotion of small-scale industries, handicrafts, village industries etc., some steps have also been taken in tribal areas. These schemes is industries etc., some steps have also been taken in tribal areas. These schemes, in most cases were however, formulated for advanced regions and have been introduced with advanced regions and have been introduced without adaptation to the specific requirements of the tribal areas. The schematic net ments of the tribal areas. The schematic patterns prove far beyond, the absorptive capacity of the local tribal communities. There, these efforts could not generally take root in these areas. Wherever some progress has been made the centres are more a continuation or extension of the unbern or int continuation or extension of the urban or industrial economies and do not represent real growth nuclei of the local tribations and do not represent real growth nuclei of the local tribal economy. The modern and the traditional fail to meet. lustrialisation on Tribal Foonant

Impact of Industrialisation on Tribal Economy - A resume 6. (i) Bigger Industries: The above analysis shows that the industrial sector ar not been consciously trained with the industrial sector has so far not been consciously trained with reference to the specific requirements and people interview. potentialities of the tribal areas and people. The major industrial and, mining complex have placed some of the most modern and the major industrial and, mining complex in have placed some of the most modern and sophisticated socio-economic structures in juxtaposition with some of the move primities of the move primities in the socio-economic structures in the move primities in the social juxtaposition with some of the more primitive groups in the country. There is no meeting point between the two. Therefore the model in the country. There is no meeting point between the two. Therefore, the modern industrial sector, starting at small nuclei in vast under developed regions, grow at the vast under developed regions, grow at the cost of the rest of the economy displacing the local communities without much benefit to the rest of the economy displacing the local communities without much benefit to them. In fact, some of the so-called 'economies of the industries in the backward areas and areas areas areas and areas of the industries in the backward areas arise from non-appreciation of the traditional rights of the local communities and their inclusive rights of the local communities and their inability to assert these rights in the face of the new and stronger institutions. For example forests are rights in the face of the new and stronger institutions. For example, forests provide a substantial part of the subsistence to the local community But our constructed a substantial part of the take subsistence to the local community. But our concepts of compensation do not take into account this factor. Even lands in possession of local community which may not I_{-7x} n Nort_d

have been formally assigned to them, do not attract the provisions of compensation law for no fault of the tribal. The compensation is paid with reference to the pre-developmental state in the area. The secondary displacement is nobody's concern and the differential in the socio-economic structure work to their disadvantage.

7. (ii) In these areas even the normal linkages of industries with their hinterland do not get established. It is the secondary migrants who get established in services. Certain new commodities may be produced in the hinterland depending on transport facilities etc., but even here the secondary and tertiary migrants take the lead. Poultry products and vegetables are imported for some time. The important component becomes smaller as dairy and poultry units get established in the neighbourhood. In the absence of a conscious effort to smoothen the skill discontinuity through the upgrading and diversification of the tribal economy, the gap is filled by migrants which further displaced the tribals. In a situation where the tribal is not able to establish even in the primary sector, he is by-passed in the second generation of first migrants are able to meet the growing man power need of the new small scale and the services sectors.

8. (iii) Smaller Industry: Similar is the case, though on a smaller scale, in relation to other smaller, raw material based, industries like saw mills or processing units. These units are generally dispersed; it is possible that their benefit to the local communities is somewhat larger and their adverse effects somewhat less. However, there is another aspect. As these industries are more displeased, they are less amenable to general administrative regulations. Therefore, the possibility of larger benefit to the local communities is also accompained by possibility of a wider exploitative net work getting established if other timely administrative regulatory measures are not taken.

9. (iv) House-hold Industry: We have already noted that a systematic effort has not been made in relation to village and small scale industries; thus they may not answer the needs of the area. There is hardly any effort to built up the programmes from below. Rigid programmes may by-pass the very groups for whom they are formulafrom below. Rigid programmes may by-pass the very groups for whom they are formulafrom below. Rigid programmes may by-pass the very groups for whom they are formulafrom below. Rigid programmes may by-pass the very groups for whom they are formulafrom below. Rigid programmes may by-pass the very groups for whom they are formulafrom below. Rigid programmes may by-pass the very groups does not first identify the traditional ted. For example, if a training programme in tailoring does not first identify the traditional ted. For example, if a training programme in tailoring does not first identify the traditional ted. For example, if a training programme in tailoring does not first identify the traditional ted. For example, if a training programme in tailoring does not first identify the traditional ted. For example, if a training programme in tailoring does not first identify the traditional ted. For example, if a training programme in tailoring does not first identify the traditional ted. For example, if a training programme in tailoring does not first identify the traditional ted. For example, if a training programme in tailor and susceptible to induce competition in his traditional tailor even more vulnerable and susceptible to benefited the tribal areas. Own area. Thus, these programmes by and large have not benefited the tribal areas.

10. (v) Competition of Machine-made Goods: As the tribal areas are getting opened up, their last natural protective wall of inaccessibility gives way; cheap mass proopened up, their last natural protective wall of inaccessibility gives way; cheap mass produced goods find their way into the deepest tribal regions. The well-known phenomenon duced goods find their way into the deepest tribal regions. The well-known phenomenon of uprooting of small artisans in the face of competition of British goods in the national of uprooting of small artisans in the face of competition of British goods in the national economy in the early colonial period is being repeated in these areas with greater intensity. Thus, the traditional weaver is much too weak to stand the competition of mill-made Thus, the traditional weaver is much too weak to stand the same attractive market cloth; hand pounding of paddy is giving way to hullors; traditional wood-workers are cloth; hand pounding of paddy is giving way to hullors; traditional wood-workers. The schematic developmental programmes have not been able to help these groups.

A New Dimension for Industry in Tribal Areas 11. While industrialisation admittedly adds to the gross regional output of an area, some basic questions is when we consider it as an instrument of tribal development. Does the tribal community share the incremental benefit in the gross regional output? Perhaps, the first relevant question is whether the local community is in a position to absorb the benefits of the new activity. It is clear that for a large spectrum of the industrial sector the local community in the tribal areas is not ready to absorb the new benefits. These problems cannot be solved so long as industrialisation is viewed in a narrow context and establishment of a few industries is considered enough. Industrialisation should not result in a dualistic economic system in the region but it should help in diversification of the local tribal economy for which the developmental impulses may be provided by the new growth centres. Therefore, the next question is whether before starting an industry in a tribal area we should wait for the diversification of the tribal economy in a gradual and natural sequence of events or the process of diversification should be speeded up in a planned fashion. Alternatively, whether the setting up of the industry itself will enough for the diversification or whether both the diversification effort and setting up of industries can be treated as two facets of the same process provided there is adequate planning input at the micro-level. Planned economic development cannot await the result of a slow change process, similarly, an under-developed community cannot be left just to the play of unknown forces resulting in confrontation and dualistic structure. While setting up of industry should not be accepted as an end in itself for sufficient development of the local community, the concept of industrialisation will need to be broader aiming at diversification of the tribal economy. Thus, assimilative capacity of the local community will be an important element in the industrial planning of a tribal region. Since the levelof development of different tribal regions differ considerably, a uniform solution or approach is not conceivable for the entire range of considerably, a uniform solution or approach is not conceivable for the entire range of industrial activity or for the tribal area as a whole Therefore the first obvious construction activity or for the tribal area as a creas whole. Therefore, the first obvious conclusion is that industrial planning for these areas cannot be done on an adhoe or overall consideration; it will be necessary to add a new dimension to the micro-level planning for each of the region so as to ensure that at every step the new activity is designed for diversification of the local economy and aims at bene-ៅ ភ្នាំ ខ្លាំ Rationale of Industrial Location

12. Before we consider the policy implications of consideration of tribal develop-for industrial growth of a region, let us consideration of tribal development for industrial growth of a region, let us consider the problem from the industry's and Why industries are established in the source of the problem from the industry's the end. Why industries are established in any areas? If we analyse the rationale for the end. why measures are established in any areas? If we analyse the rationale for industrial location, there are broadly three considerations, which can be summarised as (a) Economic :

(i) Availability of raw material, cheap factor cost

(ii) Infrastructure development including communication net-work, availa-(iii) Availability of skilled man-power; as a contribute mage to be a contribute of a contribute of a contribute mage to be a contribute of a

(iv) Availability of entrepreneurial skills;

(v) Demand for the finished products ;

(b) National Policy for balance regional development :

It may be supported by regulations or incentive to overcome the special difficulties on account of absence of the one or more of the other economic factors. (c) Overriding strategic, national or regional interests. and the good tet d

13. In theories of economic development, regional development has generally been 111 taken as synonymous with the development of the people. This is not necessarily valid when two entirely different systems meet as is the case in the tribal areas where industrial culture penetrates their traditional tribal system. The industrial locations so far have at the best been decided on regional considerations. This will need to be harmonised with the development of the local population. It will, therefore, be necessary to identify the human elements in the locational theory and suitably manipulate them for achievingoptimum development of the people. In principle, this should be the overriding consideration in the context of tribal development, yet sometimes it may be necessary to accord it a second place as a matter of conscious policy. It will be useful to identify these situations so that we may develop a suitable frame for industrial development of tribal areas, in the rude of the state of the state general.

Industries with Strategic or National Priority

14. Various industries can be classified with reference to their priority for strategic considerations or role in the development of national, regional or local economy. Decisions for location of certain industries may have to be taken as it may be crucial to the national interest although it may not be in the local interests. The obvious examples are defence installations or a heavy steel complex in a backward region. Even here some caution may be necessary. The priority may not be as high as may appear to be at the first sight. For example, defence installation cannot wait for any other considerations. But while planning a mining complexes, the time schedule or the choice of location are not absolute. They are known to be influenced by so many considerations like financial constraints Political demand, and infrastructure. The local socio-economic constraints have been ignored so far. If the implications of their establishment to the local community are clearly spelt out a different priority pattern may emerge. For example, take the case where the difference in economies of an industry, in an advanced area and in a primitive location is marginal. We may consider here whether it is necessary to impose the new activity in the Primitive area even if it shatter its economy or we can be statisfied for the time being with the second choice of location and in the meantime, take necessary steps for building up the human capital in the hinterland of the most favourable site. Thus, if it is clear that socio - económic 'technical' considerations are not immutable and the local situation situation is accepted as one of the important constraints in location of an industry these time at time phasing and location-choice can be more rationally worked out. However, these opnotoonstraints should not be interpreted narrowly and in a static sense. In other words, it

need not be taken into consideration only at a point of locational decision making. The local socio-economic situation has to be an important initial condition of planning both for the region and the industry and will need to be reviewed from time to time.

15. A similar logic can be extended to the projects having over-riding priority for regional or local considerations. However, these considerations cannot be deemed to have the same compulsive character as in the case of projects of national priority. In their case, local socio-economic constraints should assume a greater force. Thus there may be two location choices for an industrial complex which are neutral in the national context, but may make all the difference at the regional level. In such cases regional 'elitist' pressure may also get built up. Therefore, proper appreciation of the socio-economic constraint will help in a rational choice. Thus, in the face of adverse impact on the tribal economy in one region the alternative location would be preferred. On the other hand, if one choice aids tribal development, that location should be accorded a higher priority. In such cases, however, certain superficial casual relationships taken for granted will need to be tested for their validity. For example, the statement 'a steel mill should be established for developing the economy of backward area because it has a large tribal population' makes a presumption that the industrial complex will generate employment potential, enable regional economy to grow at a higher, pace and, therefore, the tribal community will naturally take advantage of the new opportunities. The possibility of a dualistic structure with detrimental impact on the tribal economy setting in is not recognised.

Socio-Economic Constraints for Industrial Development

16. (i) Preparedness of the local community: This brings us a question of appropriate strategy for industrial development for the tribal area. The very first consideration is that the industry has to match the preparedness of the tribal community. However, both industry and preparedness of the tribal community cannot be treated as immutable or as independent variable both of them can be suitably manipulated. Here we may take up the community's preparedness first. A conscious intensive effort designed for a specific growth path can raise the level of preparedness of local groups, within certain limits enabling a faster pace of industrialisation. On the other hand, a general developmental effort, without such a clear focus, may require a much longer time for similar results. The minimum time required for the preparatory stages of industrialisation in itself may vary as the tribal communities may be at a different levels of preparedness. Each of them will require different time schedules for bringing them to a level of preparedness. Each of the henefits of comparable technological imaging them to a level of preparedness to absorb the benefits of comparable technological innovations. Thus, defining the initial conditions as also determining the limits for the pace of change without the loss of balance are the crucial elements at this stage. The existing skill spectrum in the tribal areas and that required by the new industrial activity will need to be matched with suitable adaptation on either side wherever necessary. This aspect has not claimed the attention it deserves so far. 17. (ii) Shill spectrum and general diversification of economy. The building up of

the skill spectrum referred to in the preceding paragraphs should not be taken in a narrow context. In a backward economy, bulk of the population is agriculturists and there are only a few artisan groups. While identifying the skill-spectrum these select groups will be an important element, yet the larger community itself, which has important skills like tool

making, housebuilding, spinning and weaving etc., generally lost in the advanced cultures should also be enabled to absorb the benefits of a secondary and tertiary economic activity, Thus, a general diversification of the tribal economy will need to be planned which, however could be with special reference to the specific industrial activity already started or likely to be started. Action will need to be initiated at númerous levels. Educated youngmen may be trained for specific jobs in the industry, traditional artisans may be retrained both for the primary industry of secondary and tertiary sector and special programme may be taken up for introducing simple skills of the modernising sectors like petty trader, organiser of labour force, small contract work etc. A programme of 'citizen education' itself, aimed at giving the tribal community a better understanding of the new processes, will be part of this diversification process because it is on that foundation this new understanding that first step for diversification can be taken. Thus, both the concepts viz!, 'industry' and 'skill' will have to be comprehensive in the tribal situation. 1114 MMY 24

101 [11] Entrepreneurship Entrepreneurship is another crucial factor in defining 18 [11] Entrepreneurship Entrepreneurship is another crucial factor in defining the industrial policy of an area. It may be remembered here that a mixed economy comprising the industrial and agricultural sectors have a highly differentiated dualistic structure even in advanced areas which share the same social background. This differential between the two sectors at the national level get very much accentuated in the tribal situation because on the one hand, the society has a simple structure and is unable to comprehend the new situation and, on the other hand, the modern sector is stronger and more articulate. The average tribal is not used to the competitive system; he is not familiar with the new social code where higher output, the touch stone of success, justifies every other action. The tribal is not able to discard his traditional relationships; he may not be able to even manage his financial affairs. Thus, entrepreneurship for the new activity is likely to be a crucial missing element even when other inputs may be made available to the tribal system. This is particularly so because the modernised sector generally favours larger units requiring highly articulate entrepreneurship. Even the so called small scale sector is much too large for an average tribal to manage efficiently and effectively.

19. A closer examination of the general approach in relation to entrepreneurship in the tribal context will be useful at this stage. There is a hierarchy of entrepreneurs. In a highly un differentiated economy, the first specialisation may be in terms of setting up a very small grocery shop. In fact, the simple lending activity will precede this small träder stage. In a traditional tribal economy no interest is charged on money advanced and the period of repayment is indefinite: This system may get more sophisticated as the contact with the modern sector increases, some of the tribals may assume the role of money lender. This may be a comparatively simple affair. But the trading activity of Opening a tea shop is a much more complex phenomenon for him. The approach is planned development effort so far has been to establish a co-operative for marketing and supply of consumer commodities. Even very high over heads are borne by the exchequer for this purpose. Thus the simplest entrepreneurial activity is institutionalised with a view to save the tribal from exploitation and provide him services at a reasonable cost. we the tribal from exploitation and provide min services at a reasonable cost 20. Sometimes there is conceptual confusion about the role of this institutional support; this will need to be clearly understood. What is the basic purpose of, say, a

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co-operative society which caters to the daily requirements of the tribal? Is it planned as a permanent feature of the local economy or is it designed for filling the vacuum till such time as the local community is ready to take up the relevant activities? The Cooperative movement envisages an ideal system', where there is no exploitation and the benefit of all economic activity is fully shared by the participating community. It is, however, to be appreciated that such an ideal system cannot be established in certain pockets whereas the larger society may be proceeding on a different model. Therefore, these institutions should be realistically treated as gap-fillers rather than as an ideal institutional structure for a model socio-economic system. If this perspective is clear, the establishment of a cooperative society catering to daily requirements is only the first step and while planning one has to project much beyond this stage. Individual tribal should be prepared to shoulder this responsibility in second stage and in due course the temporary institutional support may not be necessary at all. and the second star of a star of

21. In the absence of a clear policy frame the role of co-operative institutions is not properly appreciated. Even though they may be looked upon as ideal institutions in a longer time frame, it has to be noted that secondary trading activity gets established with the opening up of the area and diversification of the general economy. But as there is n^0 conscious planning for the direction and form of diversification, it is the immigrant groups which establish themselves in the comparative higher-skill professions. Diversification of the local economy, if examined in the context of tribal development, represents really a growing dualistic structure. The Cooperative Society which in the early stage may be the only institution in the area becomes one of the many establishments, that grow there in due course. This institutional support, thus with the passage of time may become unnecessary or uneconomical and in the course may be withdrawn. Such an institution, even when it succeeds and plays a crucial role at a time, proves to be a passing phase to the local community and the normal competitive system finally overtakes. But the community has not par taken in the diversification process. If local entrepreneurs were trained with a clear and conscious policy frame to substitute the cooperative institution by local entrepreneurs at an appropriate stage the final texture of the socio-economic structure

22. The above analysis of simple trading activity equally applies to higher industrial activity. It will be necessary to clearly define these areas where institutional arrangements are designed to substitute entreprenuer on a permanent basis and those where it is contemplated as a temporary phase. The experience of some industries is quite encouraging. The bigger industries could be planned with a cooperative or corporate institution in the load on a long term basis. If it is cooperative, it could be a 'guided cooperative', in the initial stage under professional initial stage under professional management. The central of the community on the co-operative may gradually become more effective and the professional managements itself may be provided by the local groups in increasing measure. In the smaller industrial ventures however, the approach may be somewhat different. The individual could be provided necessary guidance in setting up the industry and an institutional frame, may be a cooperative institution, could either be envisaged on a protective 'umbrella' to the enterpreneurs of or even as a promoter of entrepreneurship. The experience of X'vier Institute of Social Studies: Ranchi in training and even Social Studies, Ranchi in training and guiding small entrepreneurs is encouraging and lays bare great potential in this area. The small entrepreneur established in grocery shops can in due course flower into a bigger entrepreneurs provided they are given opportunity and protection against competition of more advanced groups in their early period.

and the stand of a start Adaptation of Industrial Process

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aber 67 We may now turn to the question of adapting of industrial process to the local · - 17. ÷, socio-economic situation: since matching is essentially a two-way affair. In the first instance, 'industrialisation' should not be interpreted in a limited sense and it should be taken as culmination of the process of diversification of the local economy and upgradation of skills all through the spectrum Conscious linkages will need to be built with the local ceonomy and no undertaking should have an idea that it can treat itself as an independent unit having a specific individual role free to operate in any way it likes. The local constraints of planning should be clearly defined and the process of industrialisation itself should be set within certain limits. $\frac{\partial \mathcal{L}}{\partial t} = \frac{\partial \mathcal{L}}{\partial t} + \frac{\partial$

Impact on the Hinterland

the second of a break and an a start 24. The management in industrial enterprises, particularly the larger ones, considers itself responsible for achieving the ends of the project and it is presumed that the other factors would automatically get balanced. The presumptions may be valid in the more advanced areas where the socio-economic background and relative strength of different groups is not very difficult. But they do not hold good in the more backward areas. Therefore, it will be necessary that a sense of responsibility is instilled in the management about the implications of industrial activity to its hinterland. Some times this point is appreciated only when a breaking point in its relations with the surrounding areas is appreciated only when a creating breaking point there should be numerous points of reached. For each instance of one breaking point there should be numerous points of varying degrees of tension. The final result may depend on the intensity of the local feeling and the relative strength of the two groups. In most cases, the stronger industrial group has the upper hand and the local communities have to compromise for a subservient position in the new structure. This law of jungle, which prevails in many areas, will need a careful review. A comprehensive planning of the zones of influence of big industrial and mining complexes, therefore, 'should be' taken up.

25. The bigger industrial and mining complexes behave as self-contained units. Thus, the social service infrastructure created by these organisations may be exclusively reserved for the members of the core industry. The result is that one finds highly developed institutions amidst a vast population having almost no social services. Social services can be important links between the industrial and the first outposts of the first outpos and educational institutions have generally been the first outposts of modern civilisation in the backward areas. But the very concept of labour welfare, when defined in extremely narrow frame of reference by the industry, becomes It is forgotten that the labour does the lowest strata of society in these areas; this group itself is super-imposed on the local socio-economic structure and thus has 'elitist' character. The tribal communities, the last group of the economic scale, therefore, cannot be ignored in any scheme of development

or social services in these areas; all organisations together should evolve a suitable strategy so that a 'non-secluded pattern' of social services can be established. strate that the strategy is the strategy of the

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Adaptation to the Local Systems

Pellinsk wrait 26. One more point needs to be noted here. An Industry ordinarily expects the local community to adapt itself to the way of new culture almost instantaneouly. But the working pattern of these two systems are so different that the tribal cannot be expected to adjust immediately. Therefore, migrant groups are preferred even for the lowest jobs in the industry and the secondary immigration continues unabated for even elementary service sector. It may be recalled absenteeism in the textile industry in Bombay and other western Indian centres, which drew the bulk of their labour force from the north initially, continued to be sizeable for a long time and the industry had to put up with it. The working system of the industry in the tribal areas, therefore; will need to adapt itself to the local social mileu. Perhaps a way could be found by resorting to 'group employment' concept in place of individual employment. Thus, continuity of labour, which is necessary for efficient functioning of an industry, could be ensured in away, yet at the same time sufficient flexibility would be introduced to enable the tribal to attend to his agricultural and social obligations. It has to be appreciated that the tribal cannot be very sure about his position in the new industrial society; he is unaware of the strength' of the group. Therefore, he cannot see an assured future for himself away from his village and his field. His reluctance to join the labour force even at a higher wage is quite understandable. A sense of confidence in the new surroundings can grow only over a period of time. In new surroundings can be a construction being of the

27. The perception of the distance is another important factor. Scores of miles do not matter much to those who are used to fast means of communications. But the world view of the rural communities in general and the tribal communities in particular is limited to a comparatively smaller areas with which he is personally familiar. Thus, working on the 'modern' concepts of distance and neighbourhood, mobility of labour may be presumed by the industry over a much larger area. But the final outcome may be unexpected non-response from local groups and induced migration. Similarly, the spread effect of the industrial activity may be over a smaller area than what may be presumed in its project report. A project may compute its benefit to the people in the region in terms of a much larger hinterland and in this process may not give due regard to the aspirations and problems of people in the immediate surrounding. These people, in their turn, may have no appreciation of the bigger area. This may lead to disharmony and tensions. Therefore, there should be reasonable consonance between the two views so that they can appreciate the mutual relationship. The industrial planning may be so that they can approxime the micro level plans of gradually enlarging geographical

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Locational Factors

28. The perception of distance brings us to another important element, viz. the acceptance of an industrial unit by the local community as a pair of its own system. Size of an industry and its location are generally determined by economic considerations

and 'harmonising' elements are not taken into account. If such elements are also considered as given conditions in addition to other factors in many cases decisions may be different. The social cost and benefits to the local community will depend on the 'harmonising' effect. Here the tendency of sectoral authorities to decide location on narrow consideration will need to be checked. For example, the effort should be to create a small industrial unit in the midst of raw material producing groups. Such a unit can be under joint ownership so that the benefits of production flow back to the primary producer. This concept has already been well established in co-operative sugar industry in Maharashtra which could be suitably adapted for other industries in relation to the . local tribal situation.

Planning for Industrialisation

and the second 29. The above analysis helps us in understanding the dynamics of the industrial and the tribal socio-economic systems. It may now be possible to spell out the necessary. elements in the industrial development plan of a tribal area. The following are some aspects which should attract attention of planners even at the preliminary stage of programme formulation. and the first states 10 C .

(i) Resource Potential: and the second second

2. . We can share the

It may include marketable agricultural surplus, the level of exploitation and potential of minor and major forest produce, minerals and other natural resources with possible range of economic value in each case etc.

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(ii) Local Socio-economic situation—This may include : is may include: gan gana se at ter

(a) Density of Population; in the second (b) Distribution of Hamlets; . 1 s

(c) The level of Literacy;

(d) Occupational distribution;

(e) The extent of diversification of the social economic and administrative · . : :' organisations.

(iii) Level of Skills :

Identification of skills of the tribal population in general and higher skill, if any, of artisan groups, amongst them in particular. In case of artisans it will be necessary to identify : the second (a) Their concentration, if any, and The state of this traditional crafts. (b) This may include the traditional consumption patterns, the new trends in • · • • • • (iv) Local Demand : trais may include the trends in demand for essential and non-essential items and the long-term change in living style leading to newer demands.

(v) Non-agricultural activity for subsymmetry and let 10 and a the model (galacter mean This may include existing major, medium and small scale industries, crafts, house-hold industries etc. handiand the second state of the second (vi) Infrastructure:

nong produced by the second produce development of the data there is This may include the existing roads, communications, and electric power lines, credit institution etc.- all and the states of plane, and agained and a short

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30. Once these basic elements are clearly spelt out, it should be possible to have a suitable strategy for long term diversification of the tribal economy. In some areas we may be starting from the search in relation to the modern industrial activity while in other areas there may already be some industrial activity. It is obvious that the first step has to be to understand the relationship of the existing industrial units with the local community. In these cases, where the new activity is not benefiting the local community; remedial action may be urgently taken. This may involve action at a number of points like influencing the policy of the project, providing for necessary local participation for furtherance of tribal interests, exploring the possibilities of various linkages between the industrial and the rural sector and finally, which is the most important, strengthening the local community by suitable social service inputs.

31. While these steps may be necessary in relation to the industries already existing, the next important aspect will be to identify the basic units which are likely to be set up in future because of their strategic, national or regional importance. It may be examined whether the time schedule for their establishment is fixed or is still flexible. In case it is flexible, it should be adjusted, as far as possible, in such a fashion that the tribal community gets prepared to take the advantage of the new opportunities arising in these areas. Advance training programmes, upgrading of the local skills with reference to the availability of jobs preparing the hinterland economy for the new demands likely to be credited, an intensive citizen education programme within the likely zone of influence of the new and a second second

Building up Traditional Artisan Groups

32. It will be useful if the traditional groups, with comparatively diversified skills 32. It will be appeiled as contract point to the greater (variety of situation and to greater (variety of situation) tions and who can be easily moulded as contact point between the modern and the traditions and who can be using inclusion as contact point between the modern and the time tional. Their skills, in many cases, can be upgraded easily and they can be usefully fitted in the modern industrial sector. But the programmes for traditional artisans so far have been generally formulated as rehabilitational programmes and, therefore, the full potential of their likely role in the socio-economic development of the tribal areas is not appreciated. The welfare approach to such programmes has obvious limitation and when considered in isolation it cannot provide a long term solution: The traditional artisan groups have to be built up as the possible innovator elements in the primitive social structure as linkages between the primitive social structure in the primitive social struc ture. They should be treated as linkages between the modern and traditional sectors

not the exclusive ones. If this dynamics is appreciated the skill upgradation programme will (acquire) as new dimension and more independent of the

will acquire a new onices on a set of a set of the state of the set of the se

33. It may be mentioned at this stage that there is urgent need to plan from below. This holds good for the entire tribal economy but particularly so far the industrial sector The modern industrial culture is completely alien to the local tradition. The present position is that whatever programmes are formulated are influenced by the needs and experience of more advanced sectors of our economy. Thus, as a matter of fact, the traditional and the modern so far may not have developed any meeting points. Therefore, the two may be operating at different levels and these programmes may be foredoomed to failure. A recent study by the Industries Department of Bihar has brought out that some of the local artisans around Ranchi have already adopted some of the newer practices many more can benefit if only marginal help is available. The inputs which these groups require are extremely small, may be, some improved tools or a small loan for working capital, A schematic approach which is generally adopted, besides, being costly may miss the essential element. If these groups can be helped in a small way, their activities will have a multiplier effect because others can emulate their example and may try to many other fields with greater, confidence. Thus, it is necessary to plan from below on step by step basis so that whatever programmes are taken up are within the assimilative capacity of the local groups and it ensured that intended benefits do accrue to them. This will prepare the community for the next dose of immovative investment and upgradation process may gradually become self-sustained.

34. Educated manpower is another potential group which needs to be tapped suitably. It may be possible to make use of this man-power through suitable training programmes. Turn-key projects may be useful for these groups. If an 'Umbrella' programmes. Turn-Roy Project entrepreneurs initially, they may be able to venture in organisations were to help these entrepreneurs initially, they may be able to venture in organisations were to venture in larger areas with greater confidence. Such a organisation may be an independent organisation or it may be sudsidiary of a large or medium industry already established in these areas. We have discussed at length the role of core industrial units in the preceding paragraphset; projection and the state of th

 $(\gamma + \beta^{2})$

Local Raw Materials The other important determinant of industrial growth is the available raw material in the area. Much of the raw material from the tribal areas is exported to the material in the area. Intuch of the available more advanced areas in unprocessed form. Therefore, the net benefit of the available nore advanced areas in unprocesser is rather small. Industrial programme for a tribal raw material to the regional economy is rather small. Industrial programme for a tribal raw material to the regional coording to the raw material in a fully processed or semi-area, therefore, should aim at exporting the raw material in a fully processed or semiarea, therefore, snould aim at caporting be possible. This should help in deciding processed form within as short a period as may be possible. the character and location of the new industry. ew munduly.

Local Demand

36. Another important component is the demand. With the opening of these e Na el guerra da anticipada en anticipada 36. Another important component is an antiportant to opening of these areas, the consumption needs of the tribal community are getting diversified, new demands

are emerging. Many a time, the character of demand in the same product category may be changing. For example, there is a shift from traditional designs in clothes to new designs. Similarly, the older ornaments may be giving way to cheaper mass-manufactured ornaments. In fact, there may be a conscious under-cutting in some of the important areas by bigger firms just to establish themselves in a new line of trade. These aspects will need to be carefully studied to determine the policy of diversification of the tribal economy. Where the shift in demand is qualitative the first obvious effort should be to retain the traditional groups as fat as possible. Where the demand is in an entirely newline, it could be explored whether some of the existing skills can be utilised for meeting the new demand.

37. There is another aspect of demand. Whenever any programme for revitalising local crafts is taken the problems of marketing are considered and even elaborate marketing organisations may be established. But in all such attempts the distant urban market and sometimes the export market has the primary focus. These markets have obviously a limited potential in the context of the overall production potential which can be developed in the jural and the tribal areas; the longer leads will always be a handicap in enabling these crafts becoming selfsustaining. It will, therefore, be necessary to create demand locally for the traditional and even newer articles rather than depending primarily on distant urban centres. Similarly, there are some schemes for encouraging small industries but these concessions are ingeneral terms and may not answer the specific local requirements. For example, in a backward area small industry may not have even developed to claim the concession and the traditional artisan may be struggling hard to find a market. It will help these groups if the arts and artifacts of the local community are used for the decoration of public buildings and other institutions of the area and this provision is made an integral part of the basic building design. This will help creating an automatic linkages between the level of economic activity and demand for some of the Inkages beingen in in in the state of the st

38. The variables in the socio-economic situation in the tribal areas are so delicately balanced that a comprehensive industrial development plan keeping in view all aspects discussed above is necessary. This exercise, however, cannot be taken up all at once for the entire tribal areas. Yet earlier such an exercise is taken up, more helpful it will be for achieving balanced development of these regions. The tribal areas can be (i) Compulsive Regions :
(a) Tribal areas which already have his industrial and, mining complexes.

(a) Tribal areas which already have big industrial and mining complexes, and those areas where such complexes are likely to be established on national or strategic considerations;

(b) Other areas where some intensive economic activity in any sector is proposéd to be taken like development of a tourist esort or intensive forestry management programmes on national consideration.

(ii) Primitive Regions :

Areas with extremely backward socio-economic situation which may be excluded for intensive industrial activity in the immediate future.

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(iii) Potentia Regions:

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(a) Population pressure areas.

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(b) Rich natural resources areas.

(iv) Other Regions :

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Tribal areas other than those in the first three groups. We may discuss each of these groups separately.

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39. (i) Compulsive Regions: We have already noted that urgent attention will be needed in these areas to softening the impact of sudden industrialisation. Comprehensive plan including that of the industry for these areas should be prepared on a priority basis.

40. (ii) Primitive Regions: These areas are those where the level of socioeconomic development is very low and large scale modern activity may result in uprooting the local tribal group. Some other examples are Abujhamar region in Bastar, Madhya Pradesh, Bondo hills in Koraput, Orissa and the Paharia region in Santhal Paraganas, Bihar. Economic Development programme of these groups will have to be cautiously prepared assuring that pace of change is not too fast.

41. (iii) Potential Regions: (a) Population Pressure areas:—There are some tribal areas which are already experiencing pressure of population and the agricultural and forest resources are not sufficient to support the growing numbers. In many tribal areas like those in Rajasthan and Gujarat there is seasonal migration of tribals to the areas like those in Rajasthan and Gujarat there is seasonal migration of tribals to the neighbouring urban industrial centres. In such cases, the stages can be considered neighbouring urban industrial centres in response to the local need. Such areas, to be set for diversification on tribal economy in response to the local need. Such areas, therefore, could be identified and comprehensive programme could be taken up on a therefore, could be identified and comprehensive programme could be taken up on a

42. (b) Rich Natural Resources Areas: Areas with specially rich natural resources should get attention on priority basis in the interest of balanced growth. One never knows when the development of such regions may acquire compulsive character. At that stage there may be hardly any time for equipping the local population for meeting At that stage there may be hardly any time for equipping the local population for meeting At that stage there may be hardly any time for equipping the local population for meeting the challenges of the fast change. If such regions are identified, a comprehensive developtile challenges of the fast change. If such regions are identified, a comprehensive developtile challenges of the fast change industrial activity can be phased strictly according ment plan should be prepared where industrial activity. Programmes 'aimed' at human to the level of preparedness of the local community. Programmes 'aimed' at human to the level of preparedness of the local community is will have to be general with the possible skill-mix requirement of the future. Initially it will have to be general with the possible skill-mix requirement of the course.

43. (iv) Other Regions : In the remaining areas, diversification of tribal economy should be a part of the overall developmental strategy of the region although it should be assigned a special position. Here again priority to each area will have to be given keeping in view the resource potential, the preparedness of the people, level of literacy etc. In these areas industries smaller in size, dispersed and with less sophisticated technology should be preferred. We have already suggested creation of 'umbrella' organisations and preparation of 'turn-key' projects. It will be useful if different national organisations with specialisation in appropriate field take overall view of the potential with regard to relevant raw material. Thus, the Silk Board could assess the potential of 'Kosa' industry and prepare a blue-print for its development. Within the frame we provided, individual scheme may be taken up within the Integrated Tribal Development Programme of the relevant region. Similarly, the exploitation of forest resources could be viewed in the overall context of a resource region. It will be possible to determine inter se priorities for different areas and for different industries only if the overall socio-economic constraints are known in the larger frame; such an exercise will be difficult for a smaller area where narrow sectoral views or ignorance of what is happening in the adjoining area

and a second s 44. Besides the above generalised programmes for which planning in larger areas is necessary, smaller programmes aimed at upgrading the skills of the traditional craftsmen should get the highest priority. Even where it will be useful if a broad overview of different skills in larger tribal tracts is prepared and local programmes are evolved within that frame. Caution will be necessary here that in the name of evolving a strategy for larger area no schematic or stereo-typed programmes are set. This may have the same effect as that of super-imposition of programmes from higher levels, a process which is sought to be reversed through 'planning from below'.

Organisation for Industrial Development 45. The organisational structure for industrial growth in the tribal areas is an important aspect requiring special attention. It has to be accepted at the outset that there is already considerable proliferation of organisations in the tribal areas. Therefore, the idea of settting up an independent organisation for industrial development of tribal areas, if at all, will have to stand closest security. An independent organisation covering a big tribal tract will not be able to reach the deep tribal regions; it may tend to operate generally in certain important centres which are not really a continum of the tribal economy. Thus, such organisation may appear to be operating in tribal areas yet may not even touch the tribal economy. It may also be a negation of planning from below.

46. The most important element in any developmental programme is a clear understanding of the local situation by those who are responsible for planning and execution. A unified administrative structure which is simple and within the comprehension of the people has already been accepted as one of the essential elements for the new strategy of development. For the credit and marketing side, a credit-cum-marketing organisation, which will be independent but will have a close relationship with the administrative structure has been envisaged. It will be useful if these two organisations are accepted

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as providing the basic institutional frame for the entire range of economic development of the tribal areas and, wherever necessary, futher expertise could be built up in them for attending to the industrial development aspects as well. In their case, expertise for planning may be provided at appropriate level. But the confidence relationship of these organisations with the tribal should be the most important asset on which the new industrial programme should be built up.

47. In the new strategy, the credit-cum-marketing organisation itself will be generally responsible for collection of bulk of the minor forest produce. Therefore such an organisation will be most suited to start processing of this raw material. Since this organisation is attuned to the needs and aspirations of the tribal it may be expected that the decisions in relation to phasing, technology, location etc., for the industry also will not have a bias against the more backward areas and there will be no tendency to cling to the bigger places. A separate organisation operating from city headquarters is likely to have such a bias. The processing of raw material should be nearest to the collection points, it will be economical to the organisation itself. This organisation can also go into some other smaller consumer industries becasuse it is also responsible for supply of consumer commodities. However, for keeping the two aspects of its operations distinct it may be necessary that certain institutions are built into it, for example, the two accounts may separately be maintained.

48. In those cases where the industrial activity proposed to be taken up is more sophisticated and specialised the first choice should be in favour of subsidiary of the credit-cum-marketing organisation. Such an arrangement will have the advantage of enabling the subsidiary to have the goodwill and services of the parent body yet building up necessary expertise for handling the industrial project. In the case of larger industries however, a separate organisation may be established. These situations, will be exceptions, however, a separate organisation in the neighbourhood of a big industrial complex, it will rather than a rule. However, in the neighbourhood of a big industrial complex, it will rather than a separate small cell which may provide necessary technical know itself. It could have a separate small cell which may provide necessary technical know itself. It could have a separate small cell which may provide necessary technical know itself. It could have a separate small cell which may provide necessary technical know itself or co-ordination between this cell and the project or credithow. Suitable arrangements for co-ordination between this cell and the ach case.

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5. TRAINING PROGRAMMES FOR EDUCATED TRIBAL YOUTH AND ANTISANS

Tribal Cultural Research and Training Institute

This economic development of any region largely springs from the proper exploitation of its own resources aided by level of available technical know-how. Industrialisation in any area generates economic mobility, technological skill and an over-all change in the socio-economic life of the people. In order to bring about transformation of traditional economy to modernity and to provide adequate employment opportunities to un-employed educated tribal youth and under-employed tribals, there is an urgent need for formulation of plans and programmes in the field of training the educated tribal When the second s

OCCUPATIONAL

PATTERN

The main occupation of tribals is agriculture. According to 1971 Census there are 2,82,259 cultivators and 3,83,595 agricultural larbourers. The remaining 1,16,000/ workers are found to be engaged in non-agricultural activities such as live stock, forestry, hunting; plantations; mining and quarrying; manufacturing processing, servicing: and repairs, construction and trad servicing and repairs, construction and trade and commerce. 86.15% of tribal workers are engaged in Agricultural sector. The workers are engaged in Agricultural sector. The percentage of workers engaged in a sector workers accounts for 14% on the percentage of workers engaged in a sector. in non-agricultural activities accounts for 14% only. Collection of minor forest produce, forest labour, agricultural labour, hunting and for forest labour, agricultural labour, hunting and fishing etc., are the subsidiary occupations. Only 3.97% of tribal workers are engaged in 1: Only 3.97% of tribal workers are engaged in livestock, forestry, hunting and plantation Most of the workers among scheduled tribe point. hunting and plantation Most of the workers among scheduled tribe population belong to the age group of 15-60 years. and the second of the second sec

EDUCATION

The percentage of literacy among tribals as per 1971 Census is only 5.34%. The level of literacy varies from tribe to tribe and district to district. There are about 88,500 literates and educated persons among triber 88,500 literates and educated persons among tribals. The level of education among

1. Primary Schools 2. Upper D		No. of a	schoolgoing children
 Upper Primary Schools High Schools 	•••	 Total :	92,344 10,325 7,061 1,09,730
			_,0,,730

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Thus most of the school-going tribal children do not seem to have studied beyond matriculation standard. Hence the training programmes are to be designed taking into consideration the existing levels of education of tribal candidates. · · · ·

TRADITIONAL SKILLS

The Industries programmes initiated by State and central Governments strive to develop the natural and traditionl skills of tribals besides promoting the utilisation of available raw material in the tribal areas. Certain tribal groups are well known for their traditional skills. Kolams and Hill Reddis are adopts in bamboo cutting and basket making. Kammaras are traditional blacksmiths who manufacture and repair agricultural implements. Samanthas or Khonds are well versed in mat-weaving, oil-extraction. etc. Gadabas are found to be engaged in stone breaking, earth work etc. They also know the art of weaving a particular type of cloth. . Contractor

PLANS AND PROGRAMMES

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The aim of the industries programme in tribal areas has been three fold viz., (1) to train the local youth in certain important crafts and thus create new artisans, (2) to impart training to existing professional artisans and improve theirskills by teaching them the use of improved tools, (3) to organise them in order to provide gain ful employment mostly by setting up co-operatives. With these objectives inview, efforts were made during the Plan periods. The Plan-wise expenditure on village and small . scale industries in the tribal areas of the state are given below : Expenditure

	•	Plan	·	(Rs. in lakhs)
,		151 J		0.57
		Five-Year Plan.		1.97
	II.	Five-Year Plan	· · · · · · ·	-
•		(including C.S.S.)	r.	5.58
h . The	III.	Five-Year Plan	· · · · · ·	d delle of fribals and f

The expenditure incurred for improving the traditional skills of tribals and for promoting village and small scale industries during the Plan periods is very meagre. "The physical achievements in the field of small and cottage industries include the establishment of Training-cum-Production Centres, Training Centres for brick laying, carpentry, mas-Ons; bee-keeping, etc. During the First Five-year Plan, a sericulture farm was opend at Ashoknagar in Warangal district to train tribals in sericulture industry. Two Koyas and some scheduled caste persons were trained. During the Second Plan period tribals Were trained in bamboo and Rattan basket making, mat weaving, etc. An amount of Rs. 4.97 Jakhs was spent for starting 24 Training-cum-Production Centres and Eight Centres during Second Plan period. One hundred tribals were trained in bamb bamboo and Rattan basket making, mat weaving and Tanning. Production-cum-Training Training Centres were also started during the Third Plan period. Altogether, 188 persons Were were trained in Eleven Training-cum-Production Centres such as common facility Third Plan period. Fifty seven training Centres, such as common facility centre Beeler Bee-kceping, Tanning, Adda leaf, Dress making centres were also functioning in T.D. Blocks Blocks to provide training facilities to tribals.

TRAINEES IN VARIOUS TRADES

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Though considerable number of persons were trained in various trades, only 35.60 per cent of them have settled in the trade in which they were trained. The number of persons trained in various trades and the number of persons settled in the trade are furnished hereunder.*

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S. Name of the Trade No.	No. of persons trained	No. settled in the trade
1. Carpentry & Blacksmithy	500	203
 Pottery and Brick making Spinning and Weaving 	172	70
4. Bamboo and Rattan work	183	42
5. Adda leaf plate making		71
6. Tanning of hides	72	12
7. Bee-keeping	50	21
8. Horn work	35	20
9. Pottery	8	1
0. Carpentry	66	38
1. Tanning the model and the second s	309	105
2. Basketry		105
3. Leather goods	38	14
4. Steel trunk manufacturing	40	22
5. Other trades		<u>л</u>
	155	39
The Training-cum-Production	1904	678

ning-cum-Production centres in tribal areas were not encouraged in the Fourth Plan period due to certain handicaps, such as lack of adequate follow up programmes, lack of adequate stipend. The training programmes of the TCPCs and other training centres were not related to the training programmes of the TCPCs and other training centres were not related to the local raw materials and the training imparted was mostly useful for preparing the decision of the training imparted was mostly useful for preparing the articles which are not in demand in tribal areas. In view of these inherent weatmasses areas. In view of these inherent weaknesses, most of the TCPCs were closed down in Only a few are still functioning in the tribal areas of Visakhapatnam, Khammam labad districts. The list of institutions will and Adilabad districts. The list of institutions with training programmes are as follows: Sreenivasa Carpentry-cum-Black smithy Cooperative Society, Ltd., Seethampet. AT COMPERATIVE DUCIELY, EIG., DOCI Visakhapatnam District; , j.)

Datnam District: 1. Carpentry Training-cum-Production Centre, Paderu. 2 13 4 4. 2. Spinning and Weaving Training-cum-Production Centre, Hukumpet. A Report on the working of the T.D. Blocks in A.P. published by Tribal Welfare Dept., of A.P., Hyderabad.

Khanimam District :

1.11.11				TT - Inhon	Vinevekanuram	(Aswaraopet).
	1.	Rural	Community	worksnop,	Vinayakapuram	(1.10 (1.11 - 10 - 10 - 1))

2. Demonstration-cum-Training Unit in fruit preservation, Aswaraopet.

Asses 3. Common Facility Centre (Power operated), Aswaraopet.

Dorn de receiptor 4. Common Facility Centre, Bhadrachalam.

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Adilabad District :

1. Rural Arts, Crafts and Industries Centre, Utnoor.

'n-2. Common Facility Centre, Wankidi.

The training facilities provided by the TCPCs are inadequate. They did not .11 cover all types of trades namely agro, forest, industrial and service-based trades.

PLAN PROGRAMMES

During the Fourtn Plan period, the Tribal Welfare Department has introduced 5,5 certain new employment-oriented training programmes. These were

- (i) Training of tribals as village officers.
- and the second states of

(ii) Training of Tribals as masons. (iii) Training of tribals as Apprentices in public and Private Sector

undertakings.

Training of Tribals as Motor Drivers.

Under these programmes, 60 tribals were trained as motor drivers and 231 as village officers. 312 tribals underwent training as masons, besides 50 tribals who were trained as apprentices in public and private-sector undertakings. These training programmes were mainly suitable to non-matriculates and matriculates among tribals.

TECHNICAL EDUCATION

Four per cent of the seats are reserved for scheduled tribe candidates in 1.T.Is, Four per cent of the seats are reserved for some under the control of Department Polytechnics and other technical institutions which are under the control of Department of Technical control of Employment and Training. As reported of Technical Education and the Department of Employment and Training. As reported by Diment by Director of Technical Education, 15 tribal candidates in Polytechnics and 4 candidates in other in other technical Institutions were imparted training out of the total of 5,287 trainees and 2 too and 3,180 in Polytechnics and other technical institutions, respectively, during the year 1972-72 1972-73. Merit-cum-means stipends Rs. 20/- per month for students of 1st and 2nd Year and 1 of Technical Education besides the scholarships sanctioned by the Director of Tribal Welform Welfare. Exemption from payment of tuition fees is also granted.

Under the Craftsman Training Scheme, seats are reserved for Scheduled Tribes in proportion to their population in industrial training institutes. As on October 31,1971, out of 8,595 trainees, only 69 belonging to S.Ts were on roll under craftsman training scheme in Andhra Pradesh. Fixed percentage of stipends @ Rs. 25/- per month is also reserved for S.T. candiates besides the additional stipends @ Ks. 23/- per month sanctioned by the Department of Tribal Welfare. Most of the industrial training institutes are not having attached hostel facilities for S.C. and S.T. students. It is observed that most of the seats are not getting filled up." This indicates that the tribal candidates have to be pursued to avail the opportunities. Further, the qualification required for admission into some of the trades may be relaxed in the interests of tribals.

The ITIs in Andhra Pradesh did not cover all the trades, especially agro and forest-based trades which are essential for the tribals. The trades, especially agree to be diversified by adding new trader the tribals. The trades (courses) in ITIs require to be diversified by adding new trades in which employment opportunities are readily available, it is the second of the second of the second opportunity opportunity of the second opportunity of the second op

TRAINING FACILITIES FOR RURAL ARTISANS Apart from the above, efforts have been made by Government of India to provide training facilities and to improve skills mostly of rural artisans, through the following

1. Rural Industries Projects.

2. Small Artisans Programmes.

ionos? 3. Khadi and Village Industries, Commission,

There are 49 Rural Industries Projects functioning in various States providing training facilities, common service facilities, technical assistance, marketing facilities etc. It is proposed to start 50 new projects during the Fifth Five-year Plan. Altogether 39,575 candidates were trained under these projects from 1964-65 to 1970-71. Further the Govern ment of India have decided to introduce a training programme for rural artisans for setting up small agro-industries collectively or individually in important village trades like carpent try, blacksmithy, masonry, pottery, repair and maintenance of agricultural implements machinery, tractors, pumpsets, diesel engines, as a part of SFDA and MFAL Projects. This training will be imparted by the existing as well as by mobile vans and peripatetic training parties. This scheme has a follow-up programme. grammes for artisans engaged in 22 village induction has been conducting training prof

grammes for artisans engaged in 22 village industries such as Khadi, processing of cereals and pulses, ghani oil; leather, cottage match and pulses, ghani oil; leathar, cottage, match; gur; khandasari, palm; (Gur,) Non-edible Carpentry, manufacture and use of methane gas and ammure, lime-stone and its products manufacture of shellac, collection of forest plants and fruits for-medicinal purposes, fruit processing and preservation. bamboo and compared on the store and its processing and preservation. fruit processing and preservation, bamboo and cane work, maunfacture of household utensils from aluminium: manufacture of gum resins and manufacture of Kattha. The Commission has also introduced, People's Education Decomposition artisans has also introduced, People's Education Programme (PEP) in 1972 to stimulate artisans

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al page to see dist 2.

in their occupations. The intention of this programme is to give the artisans the 'why and wherefore' of the activities in which they are engaged. The core of the PEP will be with the artisans and they will be approached through organising study circles. The essential feature of the programme is that the same artisans will meet again and again in the study circles and study the different aspects of the industry and thus get a comprehensive picture and understanding of the programme.

in Land a spin main (in The present training facilities conducted by Khadi and Village Industries Commission and by Government of India through central-sector schemes like Rural Industries Projects, SFDA and MFAL did not make any impact on tribal artisans. As these are all-India Projects, specific attention was not paid to the tribal Artisans.

TERM PROGRAMMES C. HARDER BRIDDLAN (BRIDDLAN) (BRIDDLAN) SHORT

and me The important and immediate programmes throughowhich the development and modernisation of secondary sector in tribal areas are as follows :

- (a) Imparting of training in skilled employment to illiterate, semi-illiterate and literate tribal young men and women in various trades like agro, forest, industrial and service-based trades. 1.057 1.03
- (b) Imparting of training to literate tribal youth in business management, secretarial courses and improving of planning capabilities and skills of identified entrepreneurs. And a method signification (b)
- (c) Extension of infrastructural facilities to Scheduled tribe artisans for
- (d) Selection of qualified tribal candidates through vocational guidance and imparting training in a suitable trade
- imparting training in a suitable trade. (e) Forecast of likely vacancies arising in public and private-sector under-
 - Section States I will be the

The programmes mentioned above are discussed hereunder with reference to the Position of tribal literate youth existing position of tribal manpower and facilities for training of tribal literate youth and artisans and artisans. muchar in (a) In tribal areas, there is scope for starting the following industries under broad categories

the four broad categories of trades viz., agro, forest industrial and service-based trades: - valegories of trades viz., agro, forest mustrial and out the bar (b) bar nog off - obart of allow most as any analysis of allow (b)

Agro-based Trades

- (a) Fibre, Industry, as the all all and (b) Tassar Industry, hep-industry a
- (c) Masonry and Brick manufacturing Industry

- (d) Fishing: Net, making, Industry of Internet (e) (Tanning, Process) of hidesuand skinster (f) Bee-keeping 3.8 2 has sufficient to a first

(g) Pottery making (h) Sericulture \mathbf{C} (i) Oil pressing and milling 2. Forest - based Trades. (a) Rattan goods making (b) Beedi manufacturing (c) Saw mills (d) Fruit canning (e) Mat weaving (f) Rope making (g) Carpentry including varnishing (h) Framing, Bending and weaving, match and allied splinter making (i) Gum industry · . . 1. J. J. 1. 3. Industrial Trades : . . . (a) Fitter (b) Turner (c) Machinist (Composite) (d) Mechanic (Motor vehicle) (è) Mechanic (Tractor) (f) Winders (g) Pumpset repairers ... ·. (h) Composing (Press) Printing. (i) Electrification (Wiring, Installation of Pumpsets, Filter points etc.)
(i) Blacksmithy (j) Blacksmithy 4. Service-based Trades : (a) House Painting and name board writing (c) Tailoring (d) Laundry 21 Ju. (a) The duration of training varies from trade to trade. The general range in the of industrial trades is from six months to two well. The general range of the trade for case of industrial trades is from six months to two years. The general range in agro-based and service-trades varies from threa to the duration of training for

agro-based and service-trades varies from three to six months. All the trades under forest-based industries require six months duration follows. All the trades under forest-based industries require six months duration followed by an intensive course of three months. The miniumum qualification required to the form three months. The miniumum qualification required for admission also differs from trade to trade. In general, for all the trades units of admission also differs from trades and the trades are based, trade to trade. In general, for all the trades under forest-based and service-based, trades, 8th class is the minimum qualification for the trades under forest-based and service-based, trades, 8th class is the minimum qualification for admission into industrial trades, whereas 8th standard as the minimum culifornian admission into industrial trades, whereas 8th standard as the miniumum qualification for admission into industrial tra-pottery making, oil pressing and milling and GGG for courses like fibre industry, pottery making, oil pressing and milling, and S.S.C. is the qualification for tassar

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industry, masonary and Brick making, fishing, tanning process, bee-keeping and sericulture under agro-based industries. This type of industries are more suitable and a good number of tribal candidates are available with the required qualification. There are about 702 matriculates and 991 under-matriculates unemployed and they are in need of jobs.

A close examination of the requirements of various public and private-sector undertakings reveal that man-power is in great demand as signallers, Scientific assistants, machinists, fitters, etc., in the Railways and the public sector undertakings like Praga Tools, Electronic Corporation of India Limited, Bharath Heavy Electricals Ltd., Indian Drugs & Pharmaceuticals, Port Trust etc., require men with technical qualifications and experience to man certain spec alised technical posts. Many a time, these Organisations were informed that qualified tribal candidates are not available. This situation needs to be tackled by providing training to tribal educated youth, if necessary even by relaxing the miniumum prescribed qualifications.

(b) In Andhra Pradesh certain major industries such as Singareni Collieries (Khammam), A. C. C. Cement Factory (Adilabad), Iron Ore mines (Visakhapatnam) are located in and around tribal areas. D. B. K. Railway project passess through the tribal areas of Visakhapatnam district. All these units require people in various technical fields. But it is observed that the tribals who are employed in these industries are all unskilled labourers. As a matter of policy, the authorities of such unit should give preference to local tribals and absorb them in suitable posts by providing training facilities both in technical and non-technical fields. None of the tribals are working as engineers or Managers in higher level positions in such industries. Efforts are to be made by all concerned to provide training facilities to tribals in business management and in secretarial courses. Middle-level managerial posts are not at all occupied by tribals in industrial organisations located in and around tribal areas. Tribal candidates are to be trained as Managers, Assistant Managers, Office Assistants, Accounts Assistants etc., to manage the day to-day-affairs of industries even by relaxing the minimum educational qualifications prescribed for such posts.

Another problem which requires greater attention in tribal areas is the promotion of entrepreneurial talents among the enlightened and educated tribals. Identification of tribal candidates with entrepreneurial abilities and planning capabilities is a great task which can be tackled through vocational guidance and psychological tests. The creative faculties of such entrepreneurs have to be improved by imparting training in order to be improved by imparting training in organisation, financial and technical management productivity skills, marketing

(c) The tribals who underwent training in Training-cum-Production Centres (c) The tribals who underwein training in the skills by way of giving Ad hoc may be provided further opportunities to improve their skills by way of giving Ad hoc Brant Brant. They may be admitted into Industrial Training Institutes under Craftsmen training training scheme to improve their skills or they may be imparted training in improved technic

techniques of production in their respective trades by a specialised organisation. (d) Tribal boys may be selected through vocational guidance and they may be (d) Tribal boys may be selected through the selected through admitted into suitable courses of ITIs. The Study Team on Tribal Development poin-

ted out that tribal candidates could not avail of the facilities provided in technical institutions due to inadequate knowledge of Science and Mathematics which are not given special attention in tribal schools. It is, therefore, essential that Scheduled Tribe Students should be encouraged to acquire adequate knowledge in science and mathematics which will enable them to take up training in technical subjects in ITIs. Follow up action is also necessary for settling them in the trained trade and to provide them suitable jobs. Further, apprenticeship programmes for tribal boys have to be undertaken on a large scale, in collaboration with private and public sector undertakings. This Institute has been deputing tribal candidates to undergo apprenticeship with public-sector undertakings. So far, 50 tribal candidates were deputed to derive benefits from Apprenticeship programme with Electronic Corporation of India Limited.

(e) It is essential to forecast the likely vacancies arising in public and privatesector undertakings and steps should be intiated to organise suitable training programmes. This forecast would ensure the Trained Scheduled Tribe candidates to secure mes. Ins forcoast would suitable posts whenever they are advertised.

Build on provide the second of Long-range planning involves an appropriate action programme for improving Long-range planning involves an appropriate action programme for improvement the skills and knowledge of tribals. Strenuous efforts will have to be made by the state government to equip the tribal youth to work as skilled and semi-skilled workers in the industrial establishment in large numbers through 'appropriate technology'.

The long range development planning involves the judicious selection and application of technology so as to suit the existing socio-economic conditions of tribal areas. As a matter of fact, technology has an inter-play in each section of human enterprise. As a matter of fact, technology is capital intensive and labour saving which does not suit the condi-tions of tribal areas in our state. 'Annuchristo Tester to the conditions of tribal areas has to be developed which does not suit the comconditions of tribal'areas has to be developed which will be more labour intensive and capital saving to tackle the problems of unemployment; underemployment, malnutrition and consequent sub-standard living conditions of tribals. The local communities can reap the fruits of economic development, if they are equipped with the requisite background of technology and education. As the modern production techniques are multidisciplined, mere teaching of a skill for livelihood becomes incomplete unless right know-

ledge and correct attitudes are imparted. This type of 'Appropriate Technology' can ledge and correct attitudes and imparton. This type of Appropriate be developed through 'Education for Modernity' Now-a-days, planners and people cannot ignore the impact of modernity in the process of 'economic development' of any type of society since 'Modernism' and economic development are complementary. This concept takes shape through a revolutionary approach. The content of this type of education would include 'a scientific and pragmatic attitude towards the World in which we then a scientific and pragmatic attitude towards the World in which we live in and beyond'; apart from a hasis grounding of the three 'R's. An educational automatic and beyond'; apart from a basis grounding of the 'three 'R's. An educational system with a positive stanch towards building up of a scientific attitude towards life is the educational system. Thus this building up of a scientific attitude towards life, is the education for modernity comprises technical education for modernity. Thus this education for modernity comprises technical education for modernity. Thus e-culture, animal husbandry and poultry farming on activity special emphasis on agriculture, animal husbandry and poultry-farming on scientific lines. Imparting skills in

useful modern small-scale and cottage industries may add another dimension to this scheme of education. However, the studies of essentials of humanities and culture shall not be ignored.

Long and short-term training programmes in the field of industries have to be brought into alignment with the strategies of our Five-year Plans. Technique-based strategy is the need of the hour in industrial planning. The industrialisation of tribal areas can be achieved by intensive and effective training programmes which aim at improvareas the traditional skills of tribal artisans and creative faculties of tribal literate youth.

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6. SCHEMES FOR IMPROVING TECHNICAL AND OTHER SKILLS OF TRIBALS ••••

Andhra Pradesh Small Scale Industries Development Corporation

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The Andhra Pradesh Small Scale Industries Development Corporation was called upon to give suitable schemes/suggestions for improving the technical know-how, skills and entrepreneurial abilities among the tribals in Andhra Pradesh. It is a fact that the tribal people living in remote and agency areas have neither educational nor technical qualifications to any appreciable extent. The great majority of them do not have even the facilities to acquire any reasonable educational or technical qualifications. Even those who do acquire some qualifications do not get opportunities to work in industrial establishments, commercial organisations, etc., to acquire experience or to improve technical know-how or skills or entrepreneural abilities. This compared to the urban and non-tribal population, the tribal people are highly handicapped in coming by any

With a view to create scope for tribal people to work in small scale industries so that they can benefit by the experience, it is suggested that stipendary scheme may be evolved. A provision can be made by the APSSIDC to take a certain number of tribal workers into its Production Units/Joint Venture Private Limited Companies so that they can work and be trained in these industrial establishments in appropriate fields. It is expected that this type of facility will expose the otherwise isolated tribal population to the urban and industrial atmosphere so that their basic knowledge in various fields can be improved. This training may be in the fields of engineering trades. administrative jobs, production, etc. After this type of training, it is felt that tribals will be able to absorb further entrepreneurial development programme to

If the Committee of the Tribal Welfare Department can earmark certain amount of finance to meet the expenses on travel, stipends and boarding and lodging facilities during the training, it may be possible to evolve suitable training schemes to meet the requirement of different categories of tribal workers.

If this proposal is acceptable to the Committee, a detailed scheme with organisational and financial aspects can be worked out.

and the state of the 7. PROPOSALS FOR IMPROVING THE SKILLS AND ENTREPRENEURIAL ABILITIES OF TRIBALS

ENIKERENEORIAL Andhra Pradesh Small Scale Industries Development Corporation

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1. According to the criteria accepted by the Planning Commission, 14 out of the 21 districts in the State have been declared as industrially backward and special incentives are being given to the entrepreneurs to set up industrial units in such backward areas. Despite these incentives, entrepreneurs are not always prepared to set up industries in such areas. In the APSSIDC's own experience, despite its preparedness to share the risks involved in the ventures by participating in the risk capital of the SSIs, not many entrepreneurs have come forward to set up industries in the backward areas in

collaboration with the Corporation.

2. The Planning Commission also acknowledged that the measures taken to The second secon accelerate development of backward areas and to reduce regional imbalances did not have much of an impact. Therefore, the Planning Commission has suggested the area development approach. But experience shows that developing area of a district attracts entreperneurs from outside leaving very little scope for the growth of local entreprenures. This is particularly true for tribal areas.

3. Therefore, it is felt desirable to adopt a different approach for the 3. Therefore, it is tell desilable to have a strategy development of small scale industries in the backward areas. The following strategy Can be can be adopted, with advantage for entrepreneurship development :

(1) Area development shall be taken? district-wise in a phased programme

- to cover all the districts one after another. (2) A fairly realistic study for the special, socio-economic conditions and
- natural resources of each district shall be conducted. natural resources of cause industries development in the district (3). The general direction of amall scale industries with good potential The general direction of among and industries, with good potential may be concerned may be determined and industries and priorities determined and p
 - concerned may be determined in the listed. Project profiles have to be prepared and priorities determined in the
 - context of natural endowments and marketing. (4) A campaign should be conducted to educate the people regarding the indus-(4) A campaign should be concurred to explain them the need to industrialise and trial potential in the district, to explain the need and the significance of it trial potential in the district, to explain the need and the significance of the local finally to impress on their minds the need and the significance of the local
- and regional entrepreneurship development. 4. After the above spade work has been done, the entrepreneurship develop-ment has to be undertaken.

DEVELOPMENT OF ENTREPRENEURSHIP

5. Entrepreneurship is proposed to be developed through the Development Clinics. The following is the methodology which could be adopted with advantage; (i) Identification Persons with evident potential to become entrepreneure will have to be identified.

Qualities such as organisational skill, leadership and courage can be identified in all sections of society. Behavioural science can be of great help at this stage. (ii) Motivation :

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(u) Mouranon. After identification of the potential entrepreneur, it is necessary to remould his self-concept, to reshape his thinking process, to re-awaken and redouble his self-confidence, to promote self-reliance and finally to motivate him to undertake new way of life. Therefore, efforts should be made for, better motivation with the help of competent behavioural, scientists. (iii) Education:

When the potential entrepreneurs are identified, and motivated, it is necessary to provide with adequate education pertaining to the new career, he is about to take. The education should extend to all facets of his industry. v) Induction : The last stage is to induct the trained entrepreneur into an industrial activity. (iv) Induction :

This will be undertaken by the organisation engaged in entrepreneurship development. ;

6. The work of entrepreneurship development can be undertaken by the Corporation by opening "Entrepreneurship Development Clinics". The MSSIDC has already experimented with such clinics and the results achieved by that Corporation are encoura-7. The Entrepreneurship Development Clinic's work is as follows:

(a) Wide publicity is given through official, educational and other local social institutions at the district level about the programme and calling (b) Selection of the candidates is done in two stages; SE 25.23

(i) First on the basis of information supplied in the application form.

The applications received are screened with a view to ensure that the right person is called for personal test and interview it (ii) Such of the applicants who are found to be resourceful enough prima

facie on the basis of information given by them in the application will be called for selection test and interview.

(c) Only such of these persons getting through the second round of selection will be admitted to the clinic. Not more than 25 to 30 persons will be trained in one clinic. MOTIVATION AND EDUCATION

8. After the candidates are finally selected, the clinics undertake the job of motivation and education. This takes about 10 to 15 days for the clinic for motivation methodology to be adopted by the clinic for motivation and education is as follows:

9. In the first part of the session, the efforts of the clinic would be to motivate the potential entrepreneur by employing the test methods developed by behavioural science. Time required for this purpose be 4 to 5 days. During the course, the behavioural scientists make use of several business games. The focus is on self. The session will be in the form of discussions and everyone takes active part in them.

10. In the second part of the session, trainees are told how to select an industry how to prepare a project report, what resources and assistance are available to them from various institutions and finally on how to manage the industry. The latter part includes General Management, Finance Management and marketing aspects.

11. The trainees are made to prepare model project reports which are critically discussed in the clinic so that all aspects of running the industry and the implications involved are considered thereafter. The trainees are brought into contact with other officials connected with this activity as well as the successful entrepreneurs.

12. Training in the manufacturing process is outside the purview of the clinic. Thus, the clinic would only provide basic information, knowledge and motivation to the candidate emphasis being on enhancing their self esteem and confidence and inculcating

in them a sense of self-reliance.

INDUCTION

13. After the trainees have successfully completed this programme, they are taken in hand by the officials of the APSSIDC and time-bound programme is worked Out with their assistance and there is a continuous follow-up until the stage is reached when the stage is reached when the venture is set up. The APSSIDC stands behind the entrepreneur till he is Well Well established in his line. This may sometimes necessitate the officials of APSSIDC pleading his case with other institutions and Government Departments.

14. Since the objectives of the clinic are to help venture some people from 14. Since the objectives of the order of become industrial entrepreneurs backward areas, who have no industrial background to become industrial entrepreneurs Capable Capable of running their own industries successfully, this clinic is quite different from other types of types of training institutions. It will be made quite clear to the applicants before hand that the that the completion of the training programme will not automatically result in the approximation of the training programme by any institution approval of the projects or sanction of necessary finance by any institution.

15. In view of the urgency of industrialisation of tribal areas, part of the 15. In view of the urgency of measurements and areas, part of the EDP will be directed towards inducting tribals into starting small scale industries. To

start with, out of the proposed 25 or 30 participants in the first EDP in Adilabad district, about 5 will be taken from among the tribals. The second phase of the EDP may be specially tailored programmes for tribal areas of the districts. The estimated cost is about Rs. 1500 per trainee. If the Committee approves this type of enterpreneural development activities of the APSSIDC in tribal areas, a detailed proposals with necessary funds.

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18. PROVISION OF INFRASTRUCTURE CFACILITIES IN TRIBAL PAREAS

E. M. Salar Star an Annald

Andhra Pradesh Industrial Infrastructure Corporation Limited.

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Ino Succor Andbru Pradech with dense for score conclusted and an end The Corporation has proposed to establish few Industrisl Estates in the tribal blocks of the State during the currentingear to enable entrepreneurs to set up industries for the manufacture of consumer goods as well as products using local raw materials? This Will provide employment gopportunities of several tribals and also create entrepreneurship among them. and youngiored bebeen found the gale of acts bus careto E 1-S. , In this direction the corporation has already initiated paction for the setting.

up of an Industrial Estate at Bhadrachelam (Khammam District) and Rampachodavaram (East a Industrial Estate at Bhadrachelam (Khammam District) and Rampachodavaram) (East Godavari District). Necessary land has been procured at the above two places and development, (4) Sambrani Gum (Boswolli yaw rishni are warshi and a show); (4)

The Corporation is prepared to set up similar Estates in the other. Tribal Blocks Provided there are enough entrepreneurs with viable schemes. Atleast, there should be ten to each there are enough entrepreneurs with viable schemes that infrastructure facilities could ten to fifteen entrepreneurs ready to setup industries so that infrastructure facilites could be probe provided. In view of the foregoing, the Director of Industries will have to conduct Intension Intensive Campaigns in the potential growth centres among the Tribal Blocks so as to assess the demand, and entrepreneurial talent before any investment is made for the Construction of the set of construction of Industrial Estates by the Andhra Pradeshill Industrial : Infrastructure The Corporation after identification of entrepreneurs will take up the construc-tion of factory sheds with facilities of road water supply, power supply, storm water-drains etc.

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9. GUM INDUSTRY PROSPECTS AND PROBLEMS IN ANDHRA PRADESH

Khadi and Village Industries Commission

The State of Andhra Pradesh with dense forest tracts, abound in vast potentialities of Gum hitherto not exploited completely. The very name of Gum may give an impression that it is a minor forest produce with less prominence. But, this apprehension is no correct. Easily 3,300 tonnes of Gum values at rupecs one crore at purchase price of Rs. 3.25 per Kg. can be collected which on proper drying, grading may easily fetch about Rs. 3 crores and also bring the much needed foreign exchange. The main varieties of Gum available in this State are (1) Gum Karaya or Tapsi (Sterculi a urens Roxb belonging to family Sterculiacens) Name: Hindi - Karrai; Telugu-Ponaku: (2) Tum Tirman (angoeissus Latifolia Wall, belonging to family Combretaceae; Names: Hindi - Bakha Dhaura) (3) Gum Accassia (Acadia arabica Englishing Englishi Englishing (3) Gum Accassia (Acacia arabica Family Legumineae: Hindi - Bakna Durani Nallathumma). (4) Sambrani Gum (Dentri Legumineae: Hindi - Kikar. Telugu-Nallathumma); (4) Sambrani Gum (Boswellia Serrae; Family, Burseraceae; Hindi-

Occurrence : Gum Karaya and Tirmane trees are widely spread throughout the State especially in the Forest Belts of Khammam, Warangal, Kurnool, Mahaboobnagar Nallamalai, Karimuagar and Adilabed Nallamalai, Karimiagar and Adilabad Districts *i.e.*, from Bhadrachalam to Bhainsa bordering Adilabad. The divisions covered that i.e., from Bhadrachalam to Bhainsa bordering Adilabad. The divisions covered by this forest are Bhadrachalam to Dustricts V.R. Puram. Nugur Yellandu Burger by this forest are Bhadrachalam East and West, V.R. Puram, Nugur, Yellandu, Burgampadu, Dammapet, Kothagudem, Warangal East and West (Eturnagaram, Narabaran Alagudem, Warangal East and West (Eturnagaram, Narasampet); Mahadevpur (Karimnagar), Jannaram Adilabad. Utnoor. Wankidi Ichoda in Adit, Mahadevpur (Karimnagar), Jannaram Adilabad, Utnoor, Wankidi, Ichoda, *i.e.*, Adilabad, Bellampalli, Nirhial, Mancherial Kagaznagar divisions. In the above areas Kagaznagar divisions. In the above areas gum procurement, has been taken up by the primaries of Giriian Co-operative Comparison procurement, has been taken up by the primaries of Girijan Co-operative Corporation situated at Bhadrachalam, Dammapet Yellandu Narasampet, Eturnagaram, Mahadevpur, Jannaram, Utnoor, Wankidi and Ichoda. Gum Accassia is vastly available in allow and the standard Ichoda. Gum Accassia is vastly available in plain pockets of Guntur and Prakasham districts. Gum LOHAN is available in Mahabaat districts. Gum LOHAN is available in Mahaboobnagar and Srikakulam forest tracts

Potentialities : The potenti

otentialities of	of Car	-
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of Gum Karaya and Tirman are as follows :

Bhadrachalam	
Palwancha	In tonnes
Dammapet	100
Yellandu	50
Mannanur	. 50
Narasampet	80
	100
	200

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	In tonnes
Mahadevpur	300
Utnoor	400
Wankidi	600
Ichoda	150
Jannaram	1000 20
Others Dists	200
Guntur and Prakasham Dists.	50
Other Gums	
	3;300

Procurements The area of operation of Primary Societies of Girijan Cooperative Corporation and their procurements are as follows:

1. Bhadrachalam: The Girijan Produce Co-operative Marketing Society covers Cherla, Gowridevipet, Rekahpalli, Alboka, Kutur, Venkatapuram, Chinturu, Marrigudem, Lachigudem, Chinnanellaballi, Yeduguralapalli areas. The distribution of shandies in this area are:

- , · · ·	dowridevipeta.
	Rekahpalli Alboka, Kutur, Venkatapuram, Nadikudi
Tuesday	Chinturu, Marrigudem
Wednesday	Lachigudem, Suddagudem
Thursday	Chinnanallabelli, Yeduguralapalli
Friday	Nellipaka
Saturday	the stad 522 quintals of Gum Karaya valued at

During 1973-74 the above society has collected 522 quin Rs are Koyas. Rs. 2,08,800. The main tribe in the area are Koyas.

2. Palwancha: The Girijan Produce Co-operative Marketing Society covers 2. Palwancha: The Girijan Produce de Grandalli, Karakagudem, Markod Burgampadu, Palwancha, Aswapuram, Manugur, Goddampalli, Amaravaram. Naoa Achanalli Achapalli, Vegulagudum, Yanambayelu; Bubbenepalli, Mulkolapalli, Amaravaram, Naga ram area ram areas. The gum is procured from the villages directly as there are no regular shandies in this in this area. 226 quintals has been procured during 1973-74 in this society. The main tribe :-----

tribe in this area is Koyas.

3. Dammapet: 56 quintals of gum was procured during 1973-74. bove 4. Yellandu: 282 quintals of Gum was procured during 1973-74. The . above 4. Yellandu: 282 quintals of Guint was provided in the total population of the district. district is 13,69,892 on which tribal population is 2,01,670.

5. Mannanur : The G.P.C.M. Society, Mannanur of Mahaboobnagar District covers, Mannanur, Amarabad, Achampet and Lingal, areas. Gum Anduk is also available in these areas. The main shandy places are Lingal on Sunday, Kodangal on Monday, Amarabad on Wednesday. During 1973-74, 77 quintals of Gum was procured valued at Rs. 30,175. The total population of districts is 19,32,082

6. Narasampet : G.P.C.M. Society, Narasampet covers Narasampet, Kothagudem, Gudem, Mahaboobabad and K. Samudram covering 107 agency villages of Narasampet Taluk, and 9 villages of Mahaboobabad taluk. The society covers a tribal population of 15,076. The main shandles in the area are Gudem, Kothagudem and Narasampet. Gum Tirman and Gum Karaya are procured in this area during 1973-74 to the extent of 355 quintals and 607 quintals respectively.

7. Mahadevpur: G.P.C.M. Society, Mahadevpur, Bhopalpalli, Azamnagar, Chintakarni and Manthani ranges. The main shandies in the area are Neelampalli, Beswaralapalli, Nagaram and Jangadu. There are no pucca roads in the area. area borders Madhya Pradesh and Maharashtra. Mode of transport is by head loads and bullock carts. Here smuggling is a problem as gum is smuggled, to Maharashtra and Madhya Pradesh by middle men. Nuxvomica, cleaning nuts and Myrobalams are also available in good quantities. During 1973-74 the society has collected 997

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8. Jannaram: The G.P.C.M. Society, Jannaram covers Mudhole, Nirmal, Khanapur (Comprising of the forest divisions of Nirmal, Jannaram, Mancherial) and Karimnagar West 9 (constituting Jagtial, Sircilla and Karimnagar Divisions.) The main

Sunday	
Monday	Kadam
-	Dandepalli
Tuesday	Jannaram
Wednesday	
Thursday	Tallapet, Thungur Sabbapalli, Jagtial
Friday	Proto and the second se
Saturday	Pembi
good roads in the	Dharmapuri

There are

roads in the area besides cart tracts. During 1973-74 the Society has collected 3,050 quintals of gum valued at Rs. 8,08,051. 9. Utnoor: The G.P.C.M. Society, Utnoor covers areas having a tribal population of 47,084. There are 169 villages in Utnoor Taluk alone. The main tribals in this area are Gonds, Nayaks, Kolams, Pradhan and Thoti. The main areas covered are Utnoor, Indravelli, Shampur, Narnur, Jainur, Sirpur, Hasnapur, 1912 18615 DEC 1975 1975 506 <u>,</u>

10. Wankidi: The G.P.C.M. Society, Wankidi covers entire Asifabad, Sirpur and Chinnoor Taluks of (4,376 Sq. Kms.) having a tribal population of 23,641 males plus 22,944 females covering 446 villages. Bellampalli, Kagaznagar forest divisions are covered. The following shandies are there in the area:

	Sunday	Kerimeri, Kagaznagar
	Monday	
• { } .	Tuesday	Mowad, Ginnedari, Wankidi
	Thursday	
•	Friday	Tiryani
	Saturday	Asifabad
· · · · · · · · · · · · · · · · · · ·	Rebbana	Daily

The main tribals are Gonds, Naiks, Kolams, Thoti and Manne. During 1973-74 the society has collected 3,342 quintals of Gum valued at Rs. 9.05 lakhs.

11. Ichoda: The G.P.C.M. Ichoda covers Boath and Adilabad Taluks covering a tribal population of 42,763. The following shandies are conducted in the area.

1 - F 010	Sunday	Kupti
	Monday	Ichoda
•	N H LUC N L	Boath
	Tuesday	Sumala, Bola
۰.	Wednesday	Bazar, Utnoor
	Thursday	Wankidi, Thalamadugu, Sirikonda, Ramai,
· ·	Friday	Sangvi
	at any second	Conovi

Saturday Jan A. Sangvi

During 1973-74 the society has collected 506 quintals of gum valued at Rs. 1,51,800. Transport : All these societies headquarters and some shandies are con-d with $T_{ransport}$: All these societies neadquarters that by kucha roads or by foot tracts The Theorem 1. The societies areas in some areas like Bhadrachalam and in tracts. The Corporation is having own godowns in some areas like Bhadrachalam and in other plat Other places godowns are under construction. From the tribal hamlets and shandies gum is too Sum is transported by Bullocks carts, Jeeps and Lorries to the godowns. All the societies are have are having Jeeps with trailors. The Corporation is also having lorries at the Division .

Prevailing Wage Rates: In all these pockets main occupation of tribals is Division headquarters. agriculture or they work as agricultural labour. The main crops cultivated are Jowar, Cotton T Cotton, Tobacco, Chillies and Paddy in certain areas. The Wage rate varies between

Rs. 2.50 and Rs. 3.50 for males and Rs. 1.75 and 2.50 for fémales. In the seasons only the tribals are engaged in agricultural activities. In the off season they are engaged in M.F.P. procurement.

Method of Procurement: The shandy inspectors, D.R. Depot salesmen and the purchasing agents appointed by the societies are the main personnel engaged in procure ment. The shandy inspectors procure from shandies, purchase agents also visit tribal. hamlets for procurement. The gum brought to the D.R. Depot is purchased by the salesman. The present method of tapping by tribal is that they make incessions on the trees at various heights in order to extract maximum quantity. In certain areas Gum that cozes out naturally, is collected. The danger in tapping by the tribal is that the tree

Methods Specified by Forest Department :

1. Gum tapping will be allowed for 9 months commencing from October, as the gum that excluded is washed of in rainy season; the tree will have the gap for growth. 2. Gum tapping should not be done in Tapsi trees having Girth less than 90 cm.or 36 inches: 3. Blazing will be started on the stem 30 cm. above the ground.

4. Initial size of the blaze will be 15 cms. wide 10 cms. long and 2.5 cms. deep. The depth of the blaze should be just deep enough to take out 0.5. cm. deep wool portion

5. The number of blazes in each row depends on the girth of the tree. A tree of 90 to 140 cm. girth will have only one blaze. For every increase of 50 cms. girth one more blaze will be added in a row around the tree. Blazes should be made horizontally leaving approximately equal space between the blazes. At the end of tapping season the size of the blaze will not exceed 12.5 cms. in width and 47.5 cms. in length. In each freshing 0.5 to 0.75 cm should be made and the made and th freshing 0.5 to 0.75 cm. should be made vertically on the upper end of the blaze and less on sides. In no case the depth of the blaze should be increased much. The lower surface of the blaze should be made slightly sloping outwards to avoid rotting on account of water collection. The rotting on account of Water collection. The surface should be smooth and without

loose fibre to avoid contamination of Gum with bark and fibres. 6. The whole tree is divided into three zones for systematic and continuous in hetween

tapping. Each one will be tapped for one year leaving 5 cms. Wide clear space in between two blazes in the same vertical line being in die two blazes in the same vertical line being in different zones. Wide clear space in out the blaze of the subsequent years in horizontal rooms. Within a particular zone the blaze of the subsequent years in horizental row should be alternative or staggering with the previous years blazes, if the old on the should be alternative or staggering with the previous years blazes; *i.e.*, the old and fresh blazes will not be in the same longitude. In the fourth year blazing will not be in the same it was longitude. In the fourth year blazing will not be continued in the zone where it was done in the first year: this time the blazes much be continued in the zone where it was done in the first year; this time the blazes may be in between the previous zones. With this method each blazed region gets complete the between the previous zones. With this m thod each blazed region gets complete rest for 2 years. In the seventh year the blazed tapping can be reverted to the blazed area of initial exploitation. Thus each blazed area of initial exploitation. Thus each blazed area of the blazed area of the blazed blazed blazed area of the blazed bl portion will get complete rest for six years, during which period would get healed up

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Grading of Gum: The gum will be in semi-dried condition when purchased and will be in lumps. The foreign materials will be twigs, sticks, stones, mud clots, etc. The gum after transportation to the godowns will be dried in open air on mats or gunnies till such time it gets hardened. Then it is cut into small pieces with axes or sickels and dried again so that the moisture content is brought to the minimum. Then these pieces Will be cut and dried once again into small pieces. The foreign materials are removed and graded. Generally grading is done by skilled female labour. Cutting is done by mile workers. Rs. 2/4 per quintal for cutting" the lumps into pieces. The driage in the process ranges from 26 to 29%. The tapsi gum is graded into following varieties. the standard from 20 to 20 70.

1. Special Grade White colour, Crystal Clear, free from impurities. White and grey colour, Crystaline 2. I Grade 34B the second se Server Aler La Grey colour 3. II Grade Black in colour. med as a first Re and ;'

4. III Grade

The other grades are Special Grade Tapsi Chura, First Grade Tapsi Chura, Second Grade Tapsi Chura, Third Grade Tapsi Chura and Tapsi Bukna. Similar Grades are there in Tirman Gum also.

The gum thus graded will be transported to Hyderabad Godowns where it is auctioned periodically. Gum thus auctioned will be purchased by agents of foreign companies. Thus the systematic collection and scientific grading will improve the prospect of the industry in this State.

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Problems : The present problems of Gum Industry can be classified as follows:

(1) Collection

(2) Organisation

Collection: The trees are located in the interiors of forest and some times they are not accessible. This results in the wastage of national wealth. Secondly the indiscrig-minate terms in the wastage of mational wealth. Secondly the indiscrigminate tapping of trees that are easily accessible, will result in the death of trees which is more back is more harmful. This is prevalent in the forced to go to the extent of imposing penalities times the Forest Department officials are forced to go to the extent of imposing penalitics on the cost on the contractors. The tribals are to be educated in the systematic tapping of Gum as support as suggested by the Forest Department, which brings them conscious of bringing dry harming the trees. Moreover that tribals should be made constant drying at the Gum by paying a better procurement rate, which avoids constant drying at the sodowns sodowns. At present there is no link between the procurement rate and sales rate. Even when between the procurement rate was paid to the tribals as in the case of when better rates were realised the same rate was paid to the tribals as in the case of realising 1.

realising low sales rate.

barealow Qnganisation : Smuggling is rampant which is sto be dealt with a heavy hand, otherwise it will rain away the procurements of Corporation. New areas are to be tapped, grading methods, are to be improved [This is because the merchants after purchasing the gum from, the Corporation lare grading it once agains. Some standards in Gum grading are to be evolved a with or algoord a more a provider with

bevoner wd ono? Marketing: At present, there, are uncertainities regarding market as well as rate. It depends on the advises the middle, man receive, from foreign traders. Here Trade the middle man are to be eliminated. The State Trading Corporation and our Trade Missions abroad should involve themselves in the marketing of this valuable product. Similarly the utility of this edible Gum should be increased within the country. The State Trading Corporation can help a lot in the marketing of this product abroad, which will help in, the increased procurements, less stagnation of product in the godowns, better sales rates and better procurement rates to the tribals. Similarly the market has to be found out for the Gum Andhuk which is not exploited. If the Corporation is assured of the ready market and better price they can enhance the

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States - I Port en al contra hanna a sina a sta comuna a 10. FOREST BASED INDUSTRIES IN TRIBAL AREAS

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Forest Department 14 Sec. 1

Economic Advantages

The development of forest based industries is one of the basic objectives of the national plan as well as the desiderstum of the State. A high priority is given to the development of forest based industries because of the following economic advantages derived from establishing them.

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(1) Forest based industries offer the incentive to develop the infrastructure in the tribal areas, to induce the construction of roads, the laying of powerlines, the creation of communication facilities and the building of township with schools, shopping areas medical centres and recreational facilties within tribal areas. Thus a sizeable social overhead capital is created in the most backward of the areas in the State.

(2) The capital employment ratio in forest based industries is probably one of the highest. For example, on an average for every Rs. 1.00 lakh investment about 20 jobs are created compared with an investment of Rs. 4 lakhs for just one job in several other industries with similar capital requirements. Besides direct employment on the shop floor, the generation of indirect employment in these industries is more significant in numerical terms. Large numbers are employed in such operations as felling, loging, extraction and transport of forest raw materials and in the subsequent operations of raising plantations. These are mostly tribals who belong to the weaker sections of our population and whose welfare is the primary objective of our national plan.

(3) Forest based industries have pronounced backward and forward linkages (3) Forest based industries have pronounced and downstream ancillaries is vast. and the scope for development of both upstream and industry in another to be and the scope for development of both upstream and industry in another to be and the scope for development of both upstream and the scope for developm Consequently the location of one major forest based industry in any area will help triggering the establishment of other industries.

There will be a spurt in commercial and tertiary activity in the villages with Incre will be a spurt in commercial value service facilities. Due to the large number employed in trade and in providing service facilities. Due to the availation availability of additional purchasing power in the region the level of consumption with the base for the second se will increase. Construction activity will grow. Eventually the base for developing a growth centre is created. (19.02 3) (4) It is accepted in principle that a policy which gives priority to the

(4) It is accepted in principle that will in the long run make for the processing of locally available raw materials will in the State. Creation of a selfreliant industrial base within the State. (5) Another set of arguments in favour of forest industries rests on the charac-(5) Another set of argumants in lavour of torost measurestests on the charac-teristics of the technologies in use in the industries themselves. First in the production of raw of raw materials, expensive mechanisation can often be postponed and unskilled labour

used instead. Secondly not only wood but the other forest materials (e.g: barks, seeds, leaves) make it possible for small units to be economical in the manufacture of such basic products as saw timber, essential oils, alkaloids, non-edible oils, tennin extracts oxalic acid etc.; Thirdly, even when more sophisticated products are planned, e.g: pulp and paper, plywood, fibre board, particle board etc., it is possible to adopt technology whose sophistication can be increased by additional capital and the induction of qualified men. This possibility of growth by degree is useful in planning the development of rudimentary economies the like of which are seen in the tribal regions. duran harana bash gr

(6) Forests are a renewable resource and their liquidation is generally followed

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up by the creation of man-made forests (Plantations) on a perpetual basis. This regenerating cycle moans sustained employment, especially of unskilled tribal labour, in such operations as felling, extraction and plantation. This is in addition to direct employment in the industry, which in the case of forest industries, is substantial. (7) Forest industries are generally financially profitable and given an adequate

return on capital employed. The products have a ready market; in 1973 both paper and plywood industries opetated in sellers market and made sizeable profits.

(8) Finally forest products can be classified as mass consumption goods satisfying the social needs (i.e., housing, and education, as against luxury goods like airconditioners, refrigerators, tape-recorders etc. They also substantial export earning en de la provincia de la companya d La companya de la comp

1.2., Forest Based Industries now under, implementation in the State : In view of the above marked and significant benefits that flow from the establishment of forest based industries, the Andhra Pradesh Industrial Development Corporation has in recent years with the active co-operation of the Forest Department who are the suppliers of the raw material identified four large scale forest based industries which are located within tribal areas and one located at Pattancheruvu, Medak District, but whose development has an impact on the tribal people in the rate material supply $\frac{1}{2} = \frac{1}{2} \left[\frac{1}{2} + \frac{1$ All these industries are conceived and developed especially to benefit the tribal economy. $d > \mathcal{U}$

economy are given below:

Some of the figures relating to these industries that have an impact on the économy are given below: 1.2.1. Paper and Paper Boards millinear Bhadrachalam, Khammam District. Production : 50,000 tonnes of paper and paper board.

Requirement of forest Raw materials: Bamboo tonnes f $z_{\rm eff} = z_{\rm eff}$ Wood

74,000

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4.	Annual Turnover :	Rs. 25 crores.
5.	Taxes to Government (Annually)	1995 (199 0) (1997)
	(a) Central excise	Rs. 6.00 crores. (17)
	(b) Central Sales tax	Rs. 1.00 crores
	(c) State Sales tax	Rs. 0.30 crores
6.	Direct employment of A	3,000 persons
7.	Indirect employment	Around 15,000 jobs
8.	Target date of production	September, 1978 With Louis
1.2.2. Wri	ting and Printing Paper Mill at Kur	nool
1.	- ti mistort	Rs. 36.00 crores
2.	Production:	Writing & Printing Paper 35,000 Tônnes.
•	c careat raw materi	· · · ·
3.		45,000 tonnes
	Bamboo	45,000 tonnes
	Wood	Rs. 18.00 crores
4.	Annual turnover	in the second second
5.	Taxes to Government	Rs. 4.50 crores
	(a) Central Excise	Rs. 0.80 crores
	(b) Central Sales tax	Rs. 0.30. crores
	(c) State Sales tax	2,000 jobs
6.	Direct Employment	10,000 jobs
7.	Indirect employment	March, 1978
8.	Target date of production:	n, Warangal District:
1.2.3. Ray	Target date of production. on Grade Pulp Mill at Eturnagaran	n, Warangal District. Rs. 20.00 crores 25,000 tonnes of Rayon Grade Pulp
1.	Capital cost of the project	25,000 tonnes of Rayon Grade Purp
2.	Production	stole:
31:	Production Requirement of forest raw mate	85;000 tonnes
	Wood:	Rs. 10.00 crores
4.	Annual Turnover	:

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	5.	Taxes to Government: 9	
		(a) Central Excise	Rs. 2.50 crores
		(b) Central Sales tax	Rs. 0.50 crores
		(c) State Sales tax	Rs. 0.10 crores
	б.	Direct employment	1,500 persons >
-		Indirect employment	7,500 persons
		Target date of production	April 1979 march
1.2.4.	Plyv	vood Mill at Rampachodavàram, E	ast Godavari District
		Cupital cost of the Project:	This crores and have been a final
	2.	Production:	15 Jakha second and a starwood/
	3.	Requirement of Forest	15 lakhs square metres of plywood/ flush doors/black boards.
	_	Raw Materials:	10,000 cum. of ply logs.
		Annual turnover:	Rs. 1.00 crore
	. 5,	Taxes to Government:	
·	6. 7	 (a) Central Excise (b) Central Sales tax (c) State Sales tax Foreign-exchange earning: 	Rs. 20 lakhs Rs. 15 läkhs Rs. 5 lakhs Rs. 20.00 lakhs
	8.	Direct employment	350 persons
	9.	Indirect employment	1,500 pērsons art d. D
		Target date of production: First phase	
		Final	
.2.5.	Part	icle Board Mitt	December., 1975 July, 1976 and dated as and start.
	1.	icle Board Mill at Pattancheruvu Capital Cost:	 A state of the sta
	2.	Product	Rs. 4.50 crores
	3.	Requirements	20,000 Tonnestrof Particle Board
	-	Requirement of Forest raw ma Wood:	and the second s
		۵.	33,000 tonnes. Afternation

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Rs. 5.00 erores

4. Annual/Turnover:	
5. Taxes to Government:	
(a) Central Sales tax	Rs. 45.00 lakhs
(a) Central Sales tax (b) State Sales tax	Rs. 5.00 lakhs
6. Foreign Exchange earning	Rs. 2.00 crores
7. Direct Employment	300 persons
8. Indirect Employment	1,000 persons July, 1977
9. Targetidate of production:	July, 1977

1.2.6. Summary :

The total impact on the economy of the region through the development of the five above medium and large scale industries can be gauged from the summary figures given below .

iven below		Rs.	122 Crores	. •
1.	Capital Cost	Rs.	59 Crores	
2	Annual Turnover	Rs.	17 Crores	
3.	Annual taxes to Government	Rs.	2.20 Crores	
4.	Foreign exchange earning		00 persons	
5.	Direct employment	35,0	00 persons	
	4			

6. Indirect employment

2. Role of Forest Department in Developing the above Industries :

The role of Forest Department in the development of the above industries is highly significant. The Forest Department has adopted a progressive and outgoing policy. policy in encouraging the development of these industries through supply of the necessary raw material raw material. The Department has taken steps to prepare Pre-investment Studies for all the pre-investment based indexes all the contiguous forest areas which have the potential to support forest based industries. It is the It is the availability of this strong data base that has enabled the planning and the development of forest based industries in the state. Obviously the patterns of management adopted adopted by the Forest Department will have a significant impact on the continued viability of the

of the industries seing wood as raw material. In the interests of enabling the Forest Department to maintain a sustained supply

(1) The pernicious practice of podu cultivation in which the tribals are engaged In the interests of enabling in Forost 2 what : of raw material to those insustries it is necessary that The pernicious practice of pour contribution. The urgent need for decision to, should be done away with in with reply to the Governor's interview. All gen

- to, should be done away with min with reply to the Governor's inspection on this has been pointed out, in with reply to the Governor's inspection on this has been pointed out in the robber and takes notion is enclosed). It is very essential that a committee notes (copy of which is enclosed). notes (copy of which is enclosed). It is your countral that a committee at the highest level should examine the problem and take a policy decision. at the highest level snound examine the problem is also enclosed. A copy of the Chief Minister's assurance on this problem is also enclosed.

- (2) The disreservation of forest areas for one purpose or the other should be prohibited summarily.
- (3) Adequate financial resources should be made available for raising of forest plantations which is the only guarantee for maintaining sustained supply of raw material to the industries that are planned or to be planned.

3. Industries based on Minor Forest Produce :

The tribal areas famous for minor forest produce such as gum, Chironji, Tuniki leaf, adda leaf, tamarind, marking nuts, gantu barangi, nuxvomica cic. Several of these minor forest produce form the base product for chemical, pharmaceutical and cosmetic industries. There is scope for starting minor industries based on these raw materials in

The Girijan Co-operative Corporation which has been functioning since 1956 in the tribal areas and has made sporadic efforts in this field. Many of the minor forest products which are bying transacted by the Girijan Cooperative Corporation from the basic raw materials for these industries. The Girijan Co-operative Corporation started the following small scale-units in the tribal areas!

1. Sheekai Grinding Plant

2. Honey pasturisation unit at Narsipatnam

3. Myrabolam Crushing unit at Srungavarapukota 4. Niger Seed Oil Mill at Paderu _ -nvid

5. Manufacturing Unit for washing soap from non-edible oils at Seethampeta 6. Piant for extraction of Fibre from Sisal Leaves at Araku. the the second

It also contemplates establishing the following units based on minor forest produce in future. -. .

1. Honey Pasturisation Plant at Warangal 2. Extraction of Alkaloids from Nuxvomica at Palavancha

3. Tartaric Acid and Pectin from Tamarind Pulp at Madugula

4. Starch extraction plant from Tamarind Seed at Gumma Laxmipuram 5. Gum Grading unit at Adilabad In addition to above, the following small scale units can be located within the tribal areas.

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1. Tannin Extraction units from Myrabolams and barks; 3. Concentrated tamarind pulp unit.

- 4. Ancilliaries to Coffee estates like;
 - (a) Caffein manufacturing
 - (b) Processed Coffee Units
- 5. Bamboos Splints for Agarbathis.

4. Training of Tribals for Skilled Jobs: It is possible to absorb tribals in skilled jobs in the above industries if S.S.L.C. qualified tribal boys are sent for training to specialise training institute like:

(a) The Institute of Paper Technology, Sahranpur (UP) for certificate course.

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(b) The Indian Plywood Research Institute, Malleswaram, Bangalore.

11. INCENTIVES AND CONCESSIONS FOR INDUSTRIES IN TRIBAL AREAS

The 33 Scheduled Tribes of Andhra Pradesh with a population of 16 lakhs live ١, at different levels of development and in different social environment both in Scheduled areas and in the Non-Scheduled areas in almost all the districts of this State. The Scheduled areas are distributed in the tribal development blocks of the following seven districts :

Name of the District	Name of the T.D.Block	Yea ³¹⁰ f ³¹ starting	Area ^l in Sq. Miles	No. of villages (including
(1)	(2)	(3)	(4)	hamlets) (5)
Srikakulam Visakhapatnam East Godavari	 (a) Bhadragiri (b) Seethâmpeta (c) Pachipenta (a) Paderu (b) G. Madugula (c) Pedabayalu (d) Chintapalli (e) Koyyuru (f) Ananthagiri (g) Araku (h) Kiloguda 	1958 1962 1962 1958 1962 1962 1960 1962 1962 1956 1961	270-00 19773 10471 272-00 272-00 220-00 839-00 18111 280-00 265-00	289 157 262 486 370 252 267 138 479 384
West Godavari	 (a) Maredumilli (b) Rampachodavaram (c) Addateegala (d) Rajavommangi (a) Polavaram 	1964 1961 1961 1962	170-00 590-00 190-00 560-00 293-00	258 131 104 385 91
Khammam	 (b) Buttayagudem (a) Bhadrachalam (b) Kunavaram (c) V. R. Puram 	1959 1963 1961 1962	202–00 102–30 300–00 301–00	112 110 122 123
Warangal Adilabad	 (d) Aswaraopet Eturnagaram (a) Utnoor (b) Wankidi 	1962 1958 1964 1957	310-00 436-00 814-00	122 208 164
		1961	723–49 359–00	169 127

The Scheduled areas are sources of Forest wealth with plenty of timber, bamboo grasses, fibres, minor forest produce like Honey, Tamarind, Gums, Myrabolams, Medicinal plants etc., and minerals important of which are Iron Ore, Manganese, Raw Phosphate, Graphite, Kankar, Coal and a variety of Clays like Red Ochre Limestone etc. The Government is keen on utilising these valuable resources for development industries in those areas and providing direct and indirect employment to the Tribal people. ÷ . .

Though the Government is pursuing a policy of attracting Industrial Units to the State by offering various facilities and incentives to the new industrial undertakings started on or after 1-1-1969, it is felt that the incentives already announced by the Government are not adequate to stimulate the local entrepreneurs and more so to set up industries in tribal areas in view of certain inherent disadvantages of these areas. The incentives presently offered by the Government are :

(1) Concession of Sales Tax : Refund of Sales Tax on raw materials, machinery and finished goods by State Government subject to a maximum of 10% on equity capital, paid up capital of Public limited Companies or the capital outlay (excluding working capital) in the case of others. The ceiling of 10% shall be for whole period of 5 years for which this concession is available and not on annual ceiling.

Power Subsidy : Subsidy on power for production to the extent of 10% in the Danor case of medium and large scale industries and $12\frac{1}{2}$ % in the case of small scale industries. This This concession will not apply to the cases where concessional tariffs are allowed by the Andhra Pradesh State Electricity Board.

Exemption from payment of Water Rate

Exemption from payment of water rate on water drawn from sources not main-

tained at the cost of Government or local body. Refund of Water rate : In respect of water drawn from a Government source r from a source maintained by local body but returned purified to it.

Liability on account of assessment of land revenue or taxes on land used for industry : Liability on account of assessment of land revenue or taxes on land used for establishment of an industry shall be limited to the amount of such taxes payable immedi-ately be

the backward of the following inherent disadvantages for setting up of Industries ately before the land is so used.

in the backward Scheduled areas inhabiting the tribals, such as : roor transport
(2) Non-availability of power
(3) Non-availability

(3) Non-availability of skilled workers and servicing workshop

(4) Non-availability of credit facilities

(5) Distance from producing centres to consuming urban areas (5) Distance from producing control of a ducational, hostel, communi(6) Want of welfare facilities like medical, educational, hostel, communication and cultural.

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As long as the incentives offered are uniform throughout the State, all industries whose capital investment (excluding working capital) does not exceed 5 crores would find it more disadvantageous, except for the easy availability of raw material which is the only facility and which may not sufficiently enthuse the development of industries. Do compensate for the many negative factors arising on account of the poor infrastructure it is necessary that the Government should give it lease for a number of years, incentives and concessions at a higher rate than those set up in backward areas to metropolitan centres. Siller and a second of the second states of the second s

It may be said that the impact of such concessions would not be very much. But if we take note of the cumulative effect of these concessions, the picture that would emerge there would be bright enough to attract a number of entrepreneurs to the above areas. Constant constitution and confine

With a view to stimulating rapid industrialisation in these remotely backward areas the following effective incentives and concessions are produced in the scheduled areas. Longer and the frequency in the case of the

(1) 20% subsidy on the fixed capital investment is proposed to be given 1 12 to all types of industries on the non-corporate sector and 15% to all types of industries in the Corporation sector, where capital investment does not exceed Rs. 1 crores/The maximum amount which could be paid will however be limited to 15 lakhs in each case. Even the dared on selective basis for ment on fixed assets exceed Rs. 1 crore may be considered on selective basis for purposes of granting subsidy which again may be limited

Sales Tax: Complete exemption or refund of sales tax on the purchase of prials. machinery and equipment of the sales tax on the purchase of raw materials, machinery and equipment and also on the sale of finit led products.

(2) Power subsidy: On Electricity Tariffs the extent of 50% on the amount ri i charged by the Andhra Pradesh State Electricity Board, power lines should be laid at the cost of the Government to the periphere of the cost of the Government to the periphery of the site occupied by the industry.

(3) Complete exemption from the Municipal and Panchayat Taxes. (4) Land: Land should be made available at 50% of the cost of acquisition arge and medium scale industries at 25% activities at 50% of the cost of acquisition $\frac{1}{25}$

by large and medium scale industries at 25% of the cost to small scale Industries.

(5) Transport concessions: 50% subsidy on the cost of transport charges incurred by the Unit to transport raw materials and components from the place of $p^{U'}$ chase within India to the work site of the unit. chase within India to the work site of the unit. Similarly 50% subsidy should be given for transport of finished products from the work site for transport of finished products from the work site to any destination within India. The Unit will be eligible for such subsidy only on products. Unit will be eligible for such subsidy only on production of Railway Receipts or Lorry Receipts from a reputed Road Transport Company as the case may be.

(6) Exemption from payment of stamp duty.

(7) Exemption from payment of the cost of the water drawn from a source maintained by Government or a local body. • • • • 21

(8) Liability on account of assessment of land revenue or taxes on land, used for establishment of an industry shall be limited to the amount of such taxes payable immediately before the land is so used.

-Additional Incentives ... The following special incentives will be allowed to new industrial units set up in the ayacut areas of Nagarjunasagar, Pochampad, K. C. Canal, Ramagundam, Kothagudem area and in the Fourteen districts already declared as

Mackward redest in Products

noithrogen) reasonal rates. 1. Sale or lease of Government land at concessional rates.

2. Grant of financial assistance on the priority basis by the State Financing

Institutions. Institutions. In this context, it is necessary that the tribal areas of the State should be considered on a specialised oriteria; if not on par with the different ayacut areas and declared backward on a specialised oriteria; if not on par with the different ayacut areas and declared backward on a specialised oriteria; if not on par with the different ayacut areas and declared backward on a specialised oriteria; if not on par with the different ayacut areas and declared backward on a specialised oriteria; if not on par with the different ayacut areas and declared backward on a specialised oriteria; if not on par with the different ayacut areas and declared backward occupation of the lands in the tribal areas by the private parties the Government will occupation of the lands in the tribal areas by the private parties at concessional rates or have to necessarily step-in for providing the land either on lease at concessional rates or have to necessarily step-in for providing the land either on lease at concessional rates or have to necessarily step in for providing the land either on lease at concessional rates or have to necessarily step in for providing the land either on lease at concessional rates or have to necessarily step in for providing the land either on lease at concessional rates or that the special dependence of the special for the second difficult in the tribal areas are conditioned by the hilly and forest terrain. The difficult on nature of the terrain and the absence of the infrastructure will not enthuse the private on a special sector to establish industries unless incentives are offered preferably on a special sector to establish industries unless incentives are offered by the Government. Consideration at the least besides these already being offered by the Government.

1200 T. M. L. L.

-12. CO-ORDINATION OF INDUSTRIES FOR TRIBAL AREAS OF b

ANDHRA PRADESH trabury's a

21- 25. Andhra Pradesh Small Scale Industries Development Corporation

Introduction :

That Industrialisation in tribal areas which will insure to the benefits of tribals is a challenging task on account of the lack of infrastructural facilities there, non-availability of skilled labour, the poverty and the backwardness of tribal people has already been taken note in the proceedings of the meeting of the expert committee. Despite these factors, the scope for the industrialisation of tribal areas for promoting forest based, mineral-based and agro-based industries has been appreciated. The need for participation of tribal people in industrial programmes at the grass root level is essential if the programmes are to be successful and were to ensure that the tribal people benefit from these programmes. However, such participation by the tribal people in the industrial programmes cannot easily be achieved if the responsibility for the promotion of industrial programmes is entrusted solely to the private entrepreneurs from other regions who are made to locate their industries in tribal areas.

At the same time, the tribal people themselves may not have the where-withal awareness of benefits of industrialisation and technical skills to take up the industrial programmes by themselves. It is in this context that this paper has been prepared to highlight the extent to which the co-ordination of the industrial programmes for tribal areas can be undertaken by APSSIDC with the assistance of the Girijan Co-operative Corporation and the Tribal Cultural Research and Training Institute, Hyderabad.

Difficulties in Industrialisation of tribal Areas and the steps proposed

by APSSIDC to overcome Them

Poverty and backwardness of the tribal people is the greatest stumbling block in the utilisation of the natural and manpower resources in these regions. Imposition of modern technology in the industrial programmer and the second secon modern technology in the industrial programmes of these regions will be initially impos-sible because of the lack of education the technology in the initially impossible because of the lack of educatioal background and skills of the tribl people. We presume that tribal students drop out of educations of the skills of the tribl people. We presume that tribal students drop out of educational and industrial training programmes because such programmes do not provide them with opportunity for employment in their own environments. Since industrial training models in their own environments. Since industrial training programmes of tribal people is likely to have fairly long gestation, private entrepreneurs from other regions may not have the necessary motivation to make investments for industries to be situated in tribal areas. It is therefore, essential for a Government A generalize A beggin of the situated in tribal areas. It is therefore, essential for a Government Agency like APSSIDC to prepare feasibility reports for various industrial schemes to be promoted intribal areas utilising the resources of these regions and motivate the tribal people to set up and intribal areas utilising the resources of these regions and motivate the tribal people to set up small units on proprietory and co-operative

basis after giving them the requisite training in the various processes of production and management, Simultaneously, the infrastructure facilities for housing the units have to be planned. The loan applications for the schemes may have to be sponsored to banks and financial institutions for the procurement of machinery, working capital, etc. The tribal people would also need technical assistance and counselling during the gestation Pariod for production start-up and to attend to other administrative matters.

CRI SUT APSSIDC had successfully transformed a number of technocrats and draftsmen. into industrial entrepreneurs by undertaking for them and co-ordinating the following instruction and usiping effort propie to marks out the ne quarter activities: (a) Identification of products and processes.

- (b) Preparation of feasibility reports.
- (c) Sponsoring their applications to banks for financial assistance.
- (d) Provision of infrastructure facilities.
- (e) In-house technical assistance and consultancy in the technocrats and craftsmen's guild, industrial estates under the direct supervision of technical officers of the Corporation. The 103 technocrats schemes at Balanagar and 153 craftsmen guild schemes established by APSSIDC at Mallepally, Hyderabad and Warangal offer testimony to the success of programmes.

APSSIDC would be in a position to implement similar programmes in the APSSIDC would be in a position to imprometer like A.P. Industrial Infrastruc-tribal areas by effectively co-ordinating with various agencies like A.P. Industrial Infrastruc-ture Coture Corporation, Girijan Co-operative Corporation, Tribal Cultural Research and Training Institute Institute, Banks, etc., if required by augmenting suitable staff within the organisation Provided provided necessary funds are made available to APSSIDC and long term programmes for this pure

this purpose are evolved and approved.

It would also be possible for APSSIDC to implement some of APSSIDC antiin the joint sector under the Capital Participation Scheme of APSSIDC subject to the progression Progressive members in tribal communities coming forward for implementing the schemes ointly with

A.P.S.S.I.D.C. may be given suitable capital participation to promote such ointly with the Corporation. A.P.S.S.I.D.C. may be given suitable capital participation projects can be taken up of it. taken up each on the basis of joint venture or as a sole share capital to the tribals as when the the

We are afraid that without proper identification of industrial schemes which when the later one capable of acquiring the shares. Could be implemented in these regions and provision of co-ordinated entrepreneural and technical training, any attempt to plan other inputs like infrastructure in tribal areas may be formed may be fruitless. A co-ordinated attempt may have to be made if the scheme is to be successive successful even on long term basis. For the implementation for various industrial scheme in the orafter in the graftsmen guild, technocrats industrial estates and in joint venture units, APSSIDC

had been playing the dominant co-ordinating all during the last six years and hence the Committee may recommend to the Government entrusting to APSSIDC the task of co-ordination of industrial programmes in tribal areas. After this is agreed in principle, APSSIDC will be in a position to open a branch office in tribal areas to conduct a technoeconomic survey of the tribal regions, prepare profiles of small schemes that fould be promoted in these regions with the active participation of tribal people and arrange for. Institute, preparing plans for the infrastructural requirements to be provided by A.P. institutions and helping tribal people to implement the programmes under the direct

13. AGENCY FOR INDUSTRIAL DEVELOPMENT OF TRIBAL AREAS

0.0

With á view to achieve rapid industrial developments of tribal areas, creation of an exclusive industrial division in Girijan Co-operative Corporation is considered necessary. The main functions envisaged are as follows:

1. Quick survey of industrial potentialities and possibilities.

2. Préparation of feasibility studies for small industrial projects.

3. Co-ordination with different industrial development agencies. 4. Identification of growth centres.

5. Preparation of project profiles (schemes)

6. Promotion of industries through:

en and an and a second of the second and a se (i) Joint sector

(iii) Private sector

(*iv*) Small business ventures ę C.

7. Marketing assistance.

The proposed industrial division may consist of the following : 1. General Manager : (The Joint Director on deputation with Girijan Co-operative may be redesignated as General Manager). Corporation may be redesignated as General Manager).

2. Technical Officers

(i) Technical Officer, Village Industries.

(ii) Technical Officer, Chemical Industries.

(iii) Technical Officer, Engineering Industries. (iv) Technical Officer, Marketing. (v). Technical Officer, Survey and Planning (to be drawn from T.C.R. & T.I.) (vi) Technical Officer, Research, Evaluation and Co-ordination (to be drawn

from T.C.R. & T.I.)

3. Industrial Promotion Officers: Eight (in the cadre of Supervisors of Industries Department and Research Assistants of Tribal Cultural Research and Training Institute)

4. Offic	e Staff:	, C. C. C. J.					
(i) N. 2511	Co-operative S Senior Inspecto	ub-Regis	trar (Office Man	ager)	One		
					Two		
(<i>iv</i>)	L.D. Clerks	countan	t	···· · · · ·	One.		
(v)	Steno	· · ·	· · · · · ·	· · ·	Two:		~
(<i>vi</i>)	Typist				One	• •	
TT				14 N. 1	One		

II. Action Plan: On the basis of the information available which is gathered by various agencies including that of Industries Department an action programme may be drafted and implemented immediately. This action programme will comprise of such items which can be implemented fully and necessary financial resources and man power will have to be provided by the Andhra Pradesh Girijan Co-operative Corporation and other Financing agencies. Each Branch Bank may be induced to adopt a growth centre located in its vicinity. This will be the focal starting point from which other industrial activities will radiate to other adjoining areas. An industries plan with growth models can be prepared only after considerable work has been done on it, which will naturally take some time meanwhile an action programme can be put into implementation as a short time measure which will fit in the overall industrial sub-plan.

Small industries can be promoted in the tribal areas as indicated below.

1. Joint venture projects: The industrial ventures with a capital outlay of an Rs. 5.00 lakes can best be readered ventures with a capital outlay of more than Rs. 5.00 lakhs can best be promoted by Girijan Co-operative Corporation in collaboration with a co-promotor site collaboration with a co-promoter either in private sector or public sector unit, well esta-blished in the line For instance in the sector or public sector unit, well established in the line. For instance in the case of Chemical and other industries with sophistic as a cated technology the project on the Alkaloids from Nuxvomica is being taken up as a joint venture with M/s Biological Evene Limit from Nuxvomica is being taken up as a joint venture with M/s Biological Evans Limited, Hyderabad.

2. Co-operative Sector: Small industries can also be started in co-operative sector with tribal artisans or educated upper land the started in co-operative support. sector with tribal artisans or educated unemployed as the promotors. Even here collabora-tion can be had from District Corporation as the promotors. Even here collaboration can be had from District Co-operative Marketing Societies or other Co-operative ventures.

The promotion of Co-operative Sector industries is the primary responsibility of Industries Department and an immediate action can be initiated straight away. A quick plan can be prepared for each of the tribet divided to the initiated straight away. quick plan can be prepared for each of the tribal districts *i.e.*, Visakhapatnam, Srikakulam, East Godavari, West Godavari, Khammam, Warangal and Adilabad Districts and the district industries administrations may be acted to the destrict and Adilabad Districts and the bound district industries administrations may be asked to achieve the plan targets in a time bound programme. To begin with the Registration of a chieve the plan targets in a time bound be fixed programme. To begin with the Registration of 2 Industrial Co-operatives may be fixed

3. Private Sector Units : Small Industries/business ventures can be taken up by the initiative of the local tribal entrepreneurs by offering appropriate incentives from Self Employment Scheme and other institutions. In this sector small business centres are also included:

Small Industries to be taken up immediately

The I. Sago Mart a Chine China

Mangalore tiles

Soap nut and Shikai powder

4. Non-edible oil seed crushing

Non-equile on seed crushing
 Starch from tamarind seed
 Wood cutting units

7. Rope making with koperi grass

8. Hand made paper

9. Splints and veneers etcuyle' (1997)

Small business ventures 1. Cycle Taxi 2. Small hotel at shandy centre

3. Hide exchange

4. Medical shop

Tailoring

6. Grocery shop

7. Dairy

The Andhra Pradesh State Financial Corporation, Infrastructure Corporation, Andhra Pradesh State Financial Operation, Leather Industries Development Corporation, Leather Industrial Development Pradesh Mining Corporation Development Corporation of Andhra Pradesh, Andhra Pradesh Mining Corporation, Andhra D Andhra Pradesh Women's Co-operative Finance Corporation will act in close collabora-tion with the second s ture Corporation will put up industrial estates/buildings at all points where industrial units and the Andhra Pradesh Small Scale Units are being put up in the growth centres. Industries Development Corporation. Industrial Industrial Development Corporation, Leather Industries Development Corporation, Andhra D Andhra Pradesh Mining Corporation, Leather industries either taken up by the individual individuals or in Co-operative Sector taken up in a Joint Venture. The Industries Directorete discussion of the Sector Se Directorate, the Tribal Welfare Department. Small Industries Service Institute and the SIET Institute SIET Institute will also conduct technical survey to indentify resources, possibilities of growth of growth centres and entrepreneurs: ((139).

14. ACTION-CUM-RESEARCH PROGRAMME FOR DEVELOPMENT OF ENTREPRENEURSHIP AMONG TRIBALS OF VISAKHAPATNAM DISTRICT

seld stol Small andustry Extension abbwore in Ala? | Training to Institute, Hvderabad

4. Mon-ed. No o'l hod crushing The proposed action-cum-research programme for entrepreneurial development among tribals will have the following five phases and this is not purely time-and-operation sequential. Some times more than one phase will be in operation. Roye mel ne with toper mass

Phase I

relation and in 12

It consists of training of Tribal Cultural Research Institute personnel of Hyderabad and other officials from banks and the Girijan Co-operative Corporation (Vizag) and other officials connected with tribal development in the area as trainers at the SIET Institute. It could be a general but comprehensive course of four weeks. A special course with all inputs for entrepreneurial development will be designed. Though this course will be of general nature, the trainers will, depending on their disciplines, orientation and earlier work-experience specialize in certain areas like feasibility studies, techno-economic surveys, preparation of industrial profiles, entrepreneurial development marketing etc.

and the state of

This relates to the basic physico-psycho-socio-cultural and economic study and understanding of the area where the programme is to be implemented. In this phase for locating and promoting entrepreneurship an area approach is to be made. The work in this phase will serve the purposes of developing of action-programme and strategy for identifying and developing entrepreneurship among the tribals keeping in view the tribal culture. The approach suggested in this phase is the understanding of the socio-cultural traits of the clientele group and working through the various institutions of the community for entrepreneurial development and it is to be tested for its usefulness in the given area over a pariod of times. Data on the following aspects are to be collected in respect to the geographic region and the population in question. and within the short exclusion within the second state of the seco Asperts and a new constant maner out the out the new Later at the constant of ols ? ll. Physical conditions-rainfall-terrin, quality of soil enterprises which can be undertaken in the locality. A statistical in the locality of the statistical in self of QB multi month contenting of the SH(2 90) as the get zoint u 2. The Economic structure of the community :-

The types of production within the community - The organisation of the producing units gauge the

- The method in which labour and capital resources are applied. - The make-up of the family's occupational structure. How the local marketing system functions. In conde - Farm organization. Instantos lassi ale ni elsentrestat Hereit Land femire should only a friday window ? half of er?? - Capital and labour resources cost reconcisions as a reason of the star of the second second second second second second second second second - Occupational structure quis consistent of converse 3: Human resources - Literates etca has hain rober relied Cultural patterns binners bar come bit incompter Historical analysis of the community locate spatily of? - Historical patterns of diffusion and change. 5. The social-structure of the community is an oral not and bus realized and the — understanding of tribal/rural social structure. 11:55 the reading of the family its structure the decision making process in the family, 111) Thunctional aspects of the family-typology of the families based on างแรง บองแหลมบมาสมมาลหลางการไป เป็นไป 18 กรุ่มประวัติ เป็นประวัติ เป็นสารการและ เรื่องไป วิ.โรงชาว กรุ่มีที่ 197911898564ปี โอบไป 70 โวโรงชาว และการและ interview การได้ - The kin group-its structure and functions-intraclan, interclan, and, intertribal relationships-role of certain kin in the kinship circle. - Tribal Council (Caste council)-its constitution and functions-the role Tribal Council Caste of the council - the council's influence over and influence of the chief of the council - the council's influence over and influence of the chief of their dependence on the council in the members and the degree of their dependence on the council in the 1111.21 matters economic and social. 202 - Ité - The nexus of relationship between tribals and non-tribals. 1 . 515. 1 - The nexus of relationship of the State of - The traditional village Panchayat (in certain cases) its functions the r The traditional vinage is included in cases) its functions-the influence influence of the Panchayat (in certain cases) its functions-the influence influence of the Fanchayat (in otential innovators and entrepreneurs. Aussi of the Panchayat Chief on potentiar intovators and entrepténeurs. 6. The ecclesiastical structure - the institution of sacred functionaries - their 6. The ecclesiastical structure - the institution of control remotionaries - their status as leaders in the group-their influence and their usefulness in locating and promoting a entrepresentation of the status o - The status and the fole and the influence as promotor or helper of the tribal medicineman^T in ¹ entrepréneurial development : Main entrepreneurship.

- 7. The political structure of the community
 - Leadership patterns in the community.
 - The elected village Panchayat-utilising this formal institution as a source of information and as a lever of influence over potential entrepreneurs in the local community.
 - The Tribal Panchayat Samithi at the block level and its usefulness as an institution for promoting entrepreneurship.
 - Contraction of the State of the - The village cooperative as a means and as an agency for locating and developing entrepreneurship.
 - Other feeder tribal and non-tribal organisations in the community and utilising them for entrepreneurial promotion (Youth and Women's traditional informal and formal organisations)
 - The village school teacher as a promotor and as a change agent of entrepreneurial development.

1. . .

The work in Phase II will help agency in locating potential entrepreneurs or

enterprisers and this leads to the third Phase of training tribal entrepreneurs. and the property of the state of the Phase - III

ST Selection and training of tribal entrepreneurs will be undertaken by the trained staff of the Tribal Cultural Research Institute and other trainers in (TCRI) agencies which have a functional link with tribal entrepreneurial development. These training programmes are to be arranged at district or block headquarters. The duration of this training programme may be four months! Par Part

Phase - IV

Strange Carl and the second

This phase consists of the agency guiding and helping the trained tribal entrepreneurs in establishing their enterprises, industry individually, in small groups

Phase - V

the second s As a follow-up measure, there will be an evaluation of the training programme.

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The details and the cost involved for this will be worked out later. 10 you and the second s The findings of the evaluation study will go into the training inputs. Besides

the evaluation study there will be followup work of the trained entrepreneurs. Time Frame:

1. Training of trainers at SIET

. . 2. Physico-socio-psycho-cultural and economic study 4 weeks of the tribal area of the target population.

4 months

	141	
3. 4	Processing to data and report writing. Location and selection of first batch of entre-	3 months 1 month
	preneurs. Training of entrepreneurs (first batch)	4 months
6.	Evaluation study (six months after the first batter of optrepreneurs were trained)	3 months
	Total period of the First-round of the action- cum-research programme including the interval period of six months.	22 months

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II. PROCEEDINGSOF THE SEMINAR On Industrialisation of Tribal Areas

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II. PROCEEDINGS OF THE SEMINAR ON INDUSTRIALISATION OF TRIBAL AREAS Sec. asterior

Chairman: Sri S. R. Rama Murthy, I.A.S.

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And the second

A Seminar on industrialisation of Tribal Areas in Andhra Pradesh was conducted on 12-11-1975 at 10-30 A.M. in the Library Hall of Tribal Cultural Research and Training tries participated in the Seminar. The list of participants in the Seminar is as follows:

1. Sri P. S. Krishnan, I.A.S., Director of Industries, approximation of the formation of th
 Sri P. S. Krishnan, distribution of the second secon
Regional Development Officer,
2. Sri K. Krishna Murthy, Regional Development Officer, Khadi and Village Industries Commission,
Hyderanau, 1977
3. Sri J. K. Manga Rep Officer, Deputy Development Officer, Andhra Pradesh Industrial Infrastructure Corporation.,
4. Sri I. Madhusudhan Rao,
4. Sri I. Madhusudhan Rus, Assistant Development Officer, Village Industries Commission,
4. Sri I. Madhusudnan Reofficer, Assistant Development Officer, Khadi and Village Industries Commission, Undershad
Khadi and Village Industring
n in m D DrataD.
5. Sri D. R. Pratap, Training Institute;
Director, Tribal Cultural Research & Training
5. Sri D. R. Pratap, Director, Tribal Cultural Research & Training Institute, B Hyderabad.
I Hyderabad
6 Sri K. Venkateswara Rao,
6. Sri K. Venkateswara Rao, Regional Development Officer,
6. Sri K. Venkateswara Rao, Regional Development Officer,
 Fri K. Venkateswara Rao, Sri K. Venkateswara Rao, Regional Development Officer, Visakhapatnam. Sri P. Sreenivasa Rao,
 Fri K. Venkateswara Rao, Sri K. Venkateswara Rao, Regional Development Officer, Visakhapatnam. Sri P. Sreenivasa Rao,
 Fri K. Venkateswara Rao, Sri K. Venkateswara Rao, Regional Development Officer, Visakhapatnam. Sri P. Sreenivasa Rao, Deputy Director, Srikakulam.
 Sri K. Venkateswara Rao, Regional Development Officer, Visakhapatnam. Sri P. Sreenivasa Rao, Deputy Director, Srikakulam. Sri V. V. Prasada Rao, Sri V. V. Prasada Rao,
 Sri K. Venkateswara Rao, Regional Development Officer, Visakhapatnam. Sri P. Sreenivasa Rao, Deputy Director, Srikakulam. Sri V. V. Prasada Rao, Sri V. V. Prasada Rao,
 Sri K. Venkateswara Rao, Sri K. Venkateswara Rao, Regional Development Officer, Visakhapatnam. Sri P. Sreenivasa Rao, Deputy Director, Srikakulam. Sri V. V. Prasada Rao, Deputy Director, Deputy Director, Deputy Director, Deputy Director,
 Hyderaodet Sri K. Venkateswara Rao, Regional Development Officer, Visakhapatnam. Sri P. Sreenivasa Rao, Deputy Director, Srikakulam. Sri V. V. Prasada Rao, Deputy Director, East Godavari.
 Sri K. Venkateswara Rao, Regional Development Officer, Visakhapatnam. Sri P. Sreenivasa Rao, Deputy Director, Srikakulam. Sri V. V. Prasada Rao, Sri V. V. Prasada Rao,

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I-11

10. Sri Krishna Murthy, Deputy Director,

Warangal.

11. Sri Raj Reddi,

TO CONTACL Deputy Director, CAMPAGE SHT TO A BURELEY Khammam.

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States Brook

1. . . .

12. Sri Anantha Rao Dasaradh,

Mahaboobnagar. TALATES C. C.

13. ISri Mogeswara Rao,

Deputy Director,

Adilabad.

and the second states The scope of the Seminar is confined to the industrialisation of Tribal Areas of Srikakulam, Visakhapatnam, East Godavari, West Godavari, Khammam, Warangal, Adilabad and Mahaboobnagar Districts, Discussions in the Seminar mainly centred

1. Factors promoting industrial growth in Scheduled Areas.

2. Identification of growth centres. 3. Identification of raw-material resource based industries.

4. Industries based on local skills.

5. Identification of Entrepreneurship.

The Seminarians while discussing the above points, made the following recommendations:

1. Factors promoting Industrial growth in Scheduled Areas

A. The Government of India declared certain areas in 14 Districts of Andhra Pradesh as subsidy tracts. Out of these 14 Backward Districts, only 2 Districts viz. Srikakulam and Khammam are having Schedulad Areas. For rapid industrialisatich of the subsidy tracts, several incentives and concessions are extended by Central Government. The Seminarians felt that the incentives and concessions are extended by Central United by tracts that the incentives and concessions extended to subsidy tracts in backward districts should be got extended to the Scheduled Areas of Visakhapatnam East Godavari, West Godavari, Warangal, Adilabad and Mahbubnagar Districts also.

B. Some growth points like Koyyuru in Visakhapatnam District, Mannanur in Mahboobnagar District are not having power supply which is a crucial factor impending the progress of industrialisation. The Seminarians strongly recommend the electrification of all identified growth centres not having power supply and if necessary 11.785 B 1 W

C. As regards the supply of minor forest produce to the Entrepreneurs in Scheduled Areas, it is recommended that Girijan Cooperative Corporation should first meet the requirements of the entrepreneurs among tribes in Scheduled Areas and reminder may be disposed of to the plains areas. Secondly, the Girijan Cooperative Corporation should supply the raw-material to the Scheduled Tribe entrepreneurs at concessional rate. uplik u

D. It is estimated that about $2\frac{1}{2}$ lakes acres are available for plantation crops in Scheduled Areas. This area - - is eminently suitable to grow plantation crops like Coffee, Tea, Cocoa, Rubber, Pepper etc. As plantation crops require huge investments which are beyond the scope of private entrepreneure, the Seminarians felt that a plantation corporation for scheduled areas may be established.

E. Basic engineering skills are essential for promotion of industries in scheduled areas which are totally lacking among Scheduled Tribes. The training in engineering skills which are totally lacking among scheduled tribes. skills will go a long way in taking up industries by tribes. Hence the Seminarians recommend that a that a training institute with condensed courses in trades like Smithy, Turning, Welding, Simple Simple foundry practice, Drilling, Repairs to agricultural implements, Pumpsets, Rewinding of motors etc., may be established exclusively for Scheduled Tribes in one of the Districts Preferably at Visakhapatnam Winimum qualifications for admission into this Institution should t should be relaxed to the candidates. Who know reading and writing besides having efficient knowled knowledge and genuine interest. In the first instance, the admission may be preferred to R and genuine interest. to Konda Kammaras and other Scheduled Tribe artisans, who are engaged in Carpentry Entropy of and Blacksmithy. e taste and indeed

Richard Lines For rapid industrialisation' it is felt necessary to identify certain growth centers 2. Identification of Growth Centres: in Tribal Areas. The criteria adopted by the Seminarians for identification of growth centres means if it centres is as follows:

;

- (a) Good communication facilities; (b) Availability of Power;
- (c) Bank facilities; in iter

(0)

- (d) Availability of Land:
- (e) Suitability of Water;
- (f) Social Infrastructure (g) Entrepreneurial response; (h) Hinter land supplying raw-material;

(i) Adequate human resources.

On the basis of the above criteria, the following growth centres are identified by the Seminarian Seminarians in each District source to bound and the second secon

1.....Srikakulam Districtucio and Seethamoeta 2.1 Section 2.1 Section of a se

2. Visakhapatnam District	1. Paderu 2. Araku/Araku/Valley
ne en el el construir de la con La construir de la construir de La construir de la construir de	
	3. Chintapally
duit of the second second	4. Koyyuru alganti or to br
	- S.SAnanthagiti Marchiele and
	6. Sileru
3. East Godavari District	1. Rampachodavaram
יין אור איז	2 Addofessel
	2. Addateegala
	5. Kutravada
4. West Godavari District	3. Kútravada 1. Polavaram
the signal of the signal	1. Polavaram
	2. Buttaigudem La night our
	Kalinapuram
	5. K. Ramachandrapuram
The second se	1. Bhadrachatam
at at we want	4. Cherla
6. Warangal Disrtict	4. Clierla March 1997 1996 1. Eturnagaram
7 4 111 1	2. Govindaraoneta
7. Adilabad District	
District	1. Utnoor
AND STATE TO A TREAT A	2. Jainoor
•	J. undervelli
	1choda
	6. Naredikonda 7. Wankidi
	7. Wankidi or him i
8. Mahboobnagar District	Contract of Highly 1 and 1
	1. Mannanur

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shed is not exhaustive. Careful scrutiny and investigation has to be carried out for further identification of growth centres in scheduled areas with an ultimate aim of speedy promotion of industrialisation speedy promotion of industrialisation.

3. Identification of raw-matrial resources based Industries with the second state of t

Certain resource based industries are identified in teach district on the the availability of raw material Desid basis of the availability of raw material. Besides identified in teach district on the project profiles are also worked out by Santa dentifying the industries, Agro, the project profiles are also worked out by Seminarians. The following Agro,

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Forest and livestock based industries are identified in each District : WIND THE W Tamarind Starch 1. Oil Rotary 2. the to the set in 3. Sago Factory 4. Coconut and Coir Complex - 1. . 5. Saw-mill 1. 1. P. P Bee-Keeping reactions have 6. Power Looms and Handlooms 7. Ready Made Garments 100 8. Superior - 199 Khandasari Unit 9. . Bee-keeping Visakhapatnam District Tamarind De-seeding Unit 2. 2 gio anna marti Sago Unit and agree and 3. ូត្រ ស្រុងពិភាព ខេត្តទ 4. Saw Mill ALAR COM 5. Washing Soap 6. Splints and Veneers Sing H V $1 \leq 4$ to M and K is 12 7. Cane furniture 8. Crushing of Non-edible oil midfas - 12 Niger seed oil extraction A. Strate - 16 - 16 9. Dehydration of Ginger Card Board 10. an orthonor and the 11. Safety Matches Starch from Tamarind Seed 12. . .. valar. 3 ber 6 co 1 4 - 13. Lemon Grass Oil. · 14. Bamboo Splints for Agarbathis and 3. East Godavari District. Bomboo Chicks 1. 111. 2. Furniture . . Tamarind seed dhal 1942 4. Soap nuts and Sheekai Powder ster prizz . 1.1 $n^{1/2}$ and the main of the state Oil Expeller Rope making 5. 7. Kisan Rice Mill, and the first of the S. Jaggery, making and the second of the second seco Bricks manufacturing Unit Based on Annata Seed The Redail As particular to the Essential Oils Unit 10. Bilwan Oil Extraction (Marking nuts) 11. n . Michail Allice Long borton and states 12. 1. Furniture Unit Allenand and the appreciation of Saw Mill

istica estate a position i3. Slate Frame Unit, in the state and 4. Adda Leaves due la tre mar 5. Washing Soap Unit 5. Khammam District 1. Mohwa Seed oil 0.541.52 2. Safety Matches Folgment and the University 3. Oil Rotary 46.000 4. Sun flower seed crushing 5. Charcoal moollan too an i \mathcal{A}^{\dagger} 6. Dhal Mill and the Stand of the Stand 7. Rope Making and the start 8. Adda Leaf 9. Kisan Rice Mill 11. 9 the hope the still spritt 10. Beedi Manufacturing -11 6. Warangal District and togat 1. Beedi Manufacturing 网络小学 2. Washing Soap ^{1,2} gai 1, 37 3. Beedi Oil Expeller a the state of the second 4. Kisan Rice Mill The start Re. 20 Bar Average and 5. Rope Making 6. Tractor Servicing and the second second 7. Adda Leaf 7. Adilabad District 10 - 10 - 10 - 1 .01 1. Splints and Veneers 2. Matches bent in the second s 3. Mohwa Seed Crusher 4. Washing Soap ind standing a standard for a 6. Linseed Oil 7. Dhal Mill 17 - 141 E 8. Clay roofing Tiles and the state of the 9. Lime Kiln 10. Dehydration of Onions 8. Mahbubnagar District 11: 1. Bee keeping. The location aspect of each unit is given in Project profiles. As regards power loom unit, one of the growth Centres in the district of Adilabad/Visakhapatnam/ 4. Industries based on Local skills Certain Scheduled Tribe groups are possessing hereditary skills, basing on which certain industries are suggested below : 1. Alluminium and Brass Utensils

Agricultural 2. Bullock Carts and Implements 3. Palm Fibre extraction 1. Basket Making 2. Visakhapatnam 2. Mat weaving 3. Agricultural implements 1. Palm fibre extraction 3. East Godavari 2. Agricultural implements 1. Palm Fibre extraction 2. Slate Frames for carpenters 4. West Godavari 3. Basket Making 1. Basket Making 2. Mat weaving 5. Khammam 1. Mat weaving

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6. Warangal

5. Identification of Entrepreneure :

While selecting entrepreneurs among Scheduled Tribes, the Seminarians felt that the following factors may be taken into consideration.

1. Profit Motive

2. Smartness

3. Unemployed Youth

Scheduled Tribes are not devoid of entrepreneurship. An intensive campaign

to identify entrepreneurs among Scheduled Tribes has to be taken up.

III. PROJECT PROFILES (Annexure IV)

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1. WASHING SOAP

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	1. WASHING SOAP
1. 2.	No. of Units Location : 1. Visakhapatnam District - Köyyuru 2. West Godavari District - Buttayagudem 3. Adilabad(District) - 11 Itchoda
3. 4.	 Assumptions: Marking days in a month - 25 days (a) No. of working days in a month - 25 days (b) No. of working hours in a day - 8 hours (c) Production capacity - 50 Tonnes per annum (c) Production capacity - Rs. 15,000/-
5.	 Machinery and Equipment - Rs. 10,000/- (a) Full boiling Khadaii (b) Semi boiling pan (c) Rosin melting drum (d) Soap moulds - 6 Nos. (e) Drying Racks - 4 Nos. (f) Cutting table (g) Baume Meter (1997) (h) Spannor set, Mugs, Goggles, Gloves, Buckets, etc.
6.	Recurring Expenditure: (3 months) 1. Raw-material - Rs. 16,130/- (a) Neem oil (b) Mohwa (c) Castor (d) Rosin (e) Coconut (f) Caustic soda (g) Silicate

		156				
	(b)	Colour				
	(1)	Tallow	• •			
`	<i>(</i>)	Perfumes				
	. (k)	Fuel				
	(/)	Wrappers				
2	. Sala	ries and Wages - Rs. 3,300/-				
	(<i>a</i>)	Chemist 1@ Rs. 350/- n m				
	(b)	Chemist 1@ Rs. 350/7. p.m. Store Keeper-cum-Accountant @ Rs. Watchman-cum-Peon -1 @ Rs. 150/	2007	Rs.	1,050	¢
	(e)	Watchman-cum-Peon -1 @ Rs 150/	- 300/- p.m.	Rs.	900	
	(d)	Labour charges - 3 @ Rs: 4/ per day	P.M.	Rs.	450	
					900	
3.	Misz	ellaneous:	Total :	Rs.:	- 3,300 in the	;
		Transport cince(2	ti - d'at - pr	dien.	· · · · ·	
		at at a second		Po	1.000	•
	(c)		$\hat{V} \in \mathcal{X}^*$	Rs.		
	(d)	Packing Other expenses			650 500 - 3	
			·	Rs.	460	-,
						.'
4.	Wor	cing Capital :	v	18.	2,670	
		Raw-materials			nan ing tanggan Manggan Ang	
	(b)	Salaries and Wages	E	Rs.	46,130	
	(C)	Miscellaneous	18 18 1	Rs.	3,300	
	•		•	Rs.	2,670	
5.	Total	Investment :	Total :	Rsi	52,100	
-		Four to the second s	·DÆRCËL PPIL' -	: 2		
	(0)	Machinery and Equipment	ALC: NO THE REPORT	::		-
	(c) `	Working Capital for 3 months	1777 (ST 1997) - 58	Rs.	15,000	••
				LLS.	10,000 52,100	
б.	A.C.	2	Total:			
U,		facturing cost :	· · · · ·	Rs.	77,100	
	(a) 1	Norking Capital for 3 months				
	109 8	Cpreciation on Take 1		Rs.	52,100	
	<u>~</u> 40	s. 10% 3 months		ΰ.,	32,100	
•					40 ,	
					,	
			· · ·	•		

, [,]

	(c)	Depreciation on Mach				· · · · ·	
		Depreciation of Mater	inery @ 1	0% - 3 mon	ths		. •
	(d)	Interest @ Rs. 12%		na, N	101 R	ś. 2,313	
	<u></u>	$\frac{1}{2} = \frac{1}{2} \left[\frac{1}{2} \left[$		7 Total:			
			Ф.	ţ)	गीतकोग स ्	4.36	
7.	Cost	price per Kg.	n.,		Rs.		
8.	Rece	ipts :	(r.)	and suf		2,60,000	
	(a)	Sale price @ Rs. 5.20 annual production.) per Kg.	Tonnes			
	(<i>b</i>)	Cost of production	12 (JZ 10	< 000		2,44,000	• •
		10% Commission to 1	gent Rs. 2	5,000 (2-1, -1) 13±€1	: R s.	16.000 -	r si ar
	5° 1'	Net	Profit P	eryycan i thi ac faith a bha ac chairte bha	in de	ni atro	
	··· · ·	Neem oil work mit	动力 16 中	1:05 02)([), [) [*]	e a ser a lan	
	,¢}r ⊨	Mohwa oil		··· 23 /2 ··5%:- :::::C),	198 5 bas	1 .11
		Caster oil	r (1): 970:	· · · · · · · · · · · · · · · · · · ·		ers et bæ	1
		Karanja		5%		· mail i ·	-}
		Rosin		[°] 10%		· ; :::::::::::::::::::::::::::::::::::	
		Coconut oil	1. N. 2. 1.	18%	1 1 1		Í III
		Caustic soda	·	100			~
	.	Sodium Silicate Colours recommended Perfumes recommend		Yellow ö	F Blue	lend	11
<u>с</u> , г.	372	Colours recommend	ed	$1 \cdot 2 \text{ of } 2$	5% mol	isture	
····	1 ⁽¹⁾	Oil Yield of soap		1.4012			. †
• • • • •		OIL TIER OF		ON TAMA	() RIND	SEED	
2.	MÅ	NUFACTURE OF ST	ARCH FR		ភ្លាម លោក ព្	ogo felaño ogo felaño	3
- A.		of units	Schedul	d areas of	Srikaki	lam and	
2:		ation	Visakhal	d areas of atnam Dist	CICIS: -	gr iden wit	<u>,</u> 5
1. 14 ⁵ . p		ital Outlay:	B 6.4	0 lakhs			
. 3.	Cap	Land & Buildings	- 05	2 Jacus			
	(a) (b) (c)	Machinery Working Capital	Rs. 0.5 Rs. 0.6	3 lakns			

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in rear material required o	Tamarind Seed to Burgers T
15. Power required	30 H.P
3.6. Production Capacity	300 tonnes per annum
7. Profitability action of the second secon	30% 20
9. Demand Out-look	
900,03.2 (21) (b) (b) (b) (b)	The state of the state of the state part is
	ND SEED DALL

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I. Introduction Tamarind Seed Dall is used after making it into Powder as starch in Jute Mills as adhesive in Plywoods manufacturing and also in Textile Mills. Tamarind Seed is cleaned with the help of seives and then is fed into the roasting drums which works on a Motor cooling, seed is loaded into the wooden tub and sent into the disintegrator after cleaning by hand operations and is graded.

Щ.	Land & Buildings (O	wn or Rented)	HER DIT STATE	
. 1	Land (area)	1 Acre	and the state of t	
]	Building (area)	30' 60'	Rs. 35,000/- 1	
III.	Machinery and Eq	20' 35' uipment :	$\frac{h_0}{2\pi^2} = \frac{h_0}{2\pi^2} + \frac{h_0}{2\pi^2}$	
S.No (1)		chinery	- House - the	
1.	THUT DEAD T		(3) (4)	Total
2. 3.	Roasing Drums		$\frac{1}{1} \frac{1}{No}$	Rs. 3,000
4.	Fabrication Equip	HP ment like elevators,	1 No. 1 No. 2 No. 2 Nos.	2,500 6,000
5.		pment like elevators, bs etc. ric installations	$e^{i\hat{H}_{D}}$	20,000
6.	Furniture etc.	and analions ;; ;	$(1, \dots, 1)$	•
	· .		i chieta provincia	3,000 500
			Total Rs.	35,000
			The Alexandre and the	

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IV. Recurring Expenditure :				Rs.
Raw Materials required (PM) is 500 Bass of Tamarind Seed = 500	~ 50			25,000
(100 Kgs. each bag @ Rs. 50/- b		Total :	Rs.	25,000
(n 1) 25	e e e e e e e e e e e e e e e e e e e			```
V. 3 Salaries & Wages (PM)	br, 11			150/-
1. Manager 1				125/-
2. Driver 1				75/-
3. Assistant				900/-
4.1 15 workers (15 × 00)	normating Contra T	Total :	R s	1,250
				25/-
Hard Drinbill Aler V and	e jan en			200/-
Power & Fuelmonthath brack	r ::54			450/-
Power & Fueldistructure	•			
Transport & Conveyance			· ·	50/-
WISCELLAREOUS				
Of Consumable stores etc.		Total :	R s	725/-
1064 0 <u>5</u> 11 - 1 5	211			
II. Working Capital (Months)				25,000
Raw Materials	ew. 1			1 ,2 50
Salaries & Wages		•		725
Misc. Expenses	5: X	Total :	Ŕs.	26,975
			•	27,000
n an	· × `	. 6		-
i suffering to the	đ., 1			35,000
III. Total Investment, Land & Buildin	gs	· .		35,000
Equipment	a months)			27,000
Machinery & Equipment out Working Capital (Please work out 1	01.2.11.0	Total :	Rs.	97,000
Contraction of the second	Notes that the	100000		
93 (007) m Be (007)		•		37.000
Y DODA'S Cost (PM)	·			27,000 460
Manufacturing Commonth)				825
Working Capital Continery 10%	· · ·		_	
Depreciation on ma		Total :	Rs.	28,285
Interest IV/o	fills starting tig starting starting			

Х.	Receipt	: una 1	
	By Sale of 300 Quintals of Tam per Quintal.	arind Seed Dall @ Re 130/	
,(per Quintal.		20,000/
XI.	Profit and Loss :		39,000/-
	 Receipts as per head X Manufacturing cost as per Profit per month 	r head IX	
,			10,715/-

4. MANUFACTURE OF HANDMADE PAPER 250 KG. PER DAY

1. Introduction indicating the market potential and manufacturing process (₁. . .

In this period of acute shortage of paper establishing handmade paper units

based on rang, tailor cutting, waste paper, cotton waste etc., has a bright future. Handmade papers has special uses like permanent records, document papers, filter papers, 1010

2.	Land and building (Own or rented)		-
аца, же	Building (area) 3000 Sq.ft.	and the second	R s. 8,000/-
~ 3.	Machinery and equipment :		Rs. 1,20,000/-

S.No.	Name of the Machinery		
· · · ·			Total
1. Holland	ler Benter Machine $30'' \times 30''$		Rs.
2. Ilyulau	IC press $50'' \times 46''$	1	16,900-00
	opper 10" blade		18,000-00
5 Digesto	10 10 10 10 10 10 10 10 10 10 10 10 10 1		16,90000
frolleys	TS, paper cutting machine, knife , Drying chamber 20 KV capacity - 30 H.P., 7.5 H.P., 3 H.P., 2 H	Stinder cont	4,50000
6. Motor	- 30 H.P. 75 H.P. are capacity	Auto vate	,
7. WOILAU	U Waler arrongen	P. 1 H P.	45,70000
a. Ere	ction and electric installation		21,000-00
b. Otl	er Items		20,000-00
Offi	ce furniture etc		8,00000
Tra	nsportation.		9,00000
i.			2,000-00
4.	Recurring expenditure.	·	7,00000
			1,09,000-00
197,05	Raw materials required (PM)		
			•
	China clay dyes, Resin, Alums e	to	

•.	. E .	Salaries and Wages (PM) bells and the sales	$\frac{\partial (\mathbf{r}_{i})}{\partial \mathbf{r}_{i}} = \frac{\partial (\mathbf{r}_{i})}{\partial \mathbf{r}_{i}} = \partial $
-	. د	Salaries and Wages (PM) holds and the sale of the sale	1 No. $300-00$
		(1) Manager	2 Nos. 400–00
		(2) Supervisors	
	•	(3) Maistries M JGC 19 DZT / 1/ 2/2	1 No 150-00
		(4) Accountant and brother brother	21 Nos 2.625-00
	`	(5) Skilled labour	13° Nos 1 950–00
	,	 (5) Skilled labour (6) Unskilled labour and the first free built 	4,725–00
			4,725-00
			an a
		Other Misc. Expenses (PM) Postage and Stationery Power and fuel	
	.6.	Other Misc. Expenses (111)	100-00
		Postage and Stationery	1,250-00
· .			1,000 00
•• .		Transport and conveyance	
,		Misc. rentwork of the all the Perp.	3 650-00
	, :·	Misc. renta Consumable stores etc., 1, 211, 211, 211, 211, 211, 211, 211,	3,650-00
. '	` . · ·		
	7.	Working Capital (Months)	18,250–00
	•	Row materials	
/			3,650–00
· ,	_	Salaries Micc. Expenses	26,625-00
· - ·		IVIAC: Expense	
	• •		1.28.000-00
	8.	Total investment:	1,28,000–00 1,69,000–00
		Land and Building	26,625-00
		Land and Building Machinery and equipment Working capital (Please work for one)	3,23,625-00
		Working capital (11000-	
-	0	rost (PM)	26,625–00 1,408–00
	9.	Manufacturing cost (month) Working capital (1 month)	6,000-00
		Working capital (1 month) Depreciation on Machinery 10%	3,236–00
		Depreciation on building	37,269–00
		Interest 1470	[] _); _ / / · · ·
			ne
	10.	Receipts " Rs. 7/- per Kg.	a chembral a
		By sale 6250 1-8	48,750-00
	11	Profit and loss:	48,750–00
	11.	Profit and loss. Receipts as per head - 10 Receipts as per head -9 Profit pe	r. month 6481-00
		Receipts as per head - 10 Manufacturing cost as per head-9 Profit pe	r month
		Any other information.	

The machinery and know how is supplied by M/s Coromondal. Hydraulics 6-7, Industrial Estate, Dindgigul-6 (Tamilnadu) on turn-key basis.

5. PROFILE OF A BAN MAKING PRODUCTION CENTRE

(Koperi Thread Making)

In the Districts of East Godavari, Srikakulam, Visakhapatnam, Khammam and Warangal. . -

General :- A grass called Saben grass (Koperi grass in Telugu) is wildly grown in the forests ranging from Adilabad, Warangal, Khammam, in the West and East Godavari, Visakhapatnam and Srikakulam. This grass is used for making a thin rope called "BAN" which is used for light cordages. It is also used for tying the Bamboo Bundles while feeding the bundles into breaking machines, for making paper pulps in paper mills. The grass has got a property of mixing into paper pulp. Some Mills are using this grass exclusively for making Sabow grass based paper pulp. In the areas where people use cots for sleeping purposes mainly in Northern States like, Punjab, Haryana, Bihar, Uttar Pradesh and Madhya Pradesh. The Sabow grass is being exclusively used for cot cordages. The Ban is used by hand twisting in the entire tribal belt. It is being procured by Girijan Cooperative Corporation for the Tribals. The Joint bundle is called K.T. Bundles and sold to merchants for sales in North India.

Availability of Raw Materials: The Girijans are collecting this fibre from the Agency Forest area free of cost and preparing the Ban by hand twisting. The hand twisted process is slow, laborious and the production is far less, for a day it does not exceed

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Proposed Production Centres :

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Ban making production centre can be started in the following places :

	1.	rasara	iono nono wing places :
-	2.	Etut u nagaram	Warangal District
	′ 3 .	Gudur	- do -
 	4.	Ellandu	- do -
	5.	Burgampadu	Khammam District
	6.	Bhadrachalam	- do - la viço in in
I—12x	9.	Rajavommangi Addateegala Jangareddigudem	- do - East Godavari District - do - West Godavari District

10. Gummalaxmipuram	Srikakulam District
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- do -11. 'Bhadragiri - do -

12. Pachipenta

Visakhapatnam District 13. Paderu

14. Chintapalli

Demand of the Products and Marketing :

Two important and big paper Mills are, one Sirpur Paper Mills in the District of Adilabad and Andhra Pradesh PaperMills at Rajahmundry, consume about 2,000 tonnes of Sabow ropes. At present the paper mills are procuring Sabow grass ropes from outside States like Orissa. Annually the Girijan Cooperative Corporation procure about 15 tonnes of K.T. Bundles or the sales for outside market.

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Introduction of Ban Making:

The Khadi Commission has introduced a simple implement called Ban making machine for mechanically converting sabow grass into Ban (Ropes). The machine can be operated by pedal, where there is no electricity supply. The daily production per machine would be 10 Kgs. Costing about Rs. 10/-. Where power is available, a Ban making unit with 20 machines can be run on 3 H.P. Motor and the daily production would be about 250 Kgs. per day. · .

Procurement of Raw Materials:

The season for cutting grass and stocking for the rest of the year is from December to April. The required quantities of grass have to be procured from the Agency areas. The Girijan Cooperative Corporation have got a monopoly over the cutting of grass as this grass is as minor forest produce and collected by the Tribals of the area.

Detailed schemes are enclosed for a Ban making centre and also for self

employment in Ban making.

Ban Making Scheme

(Using mechanical hammer and power-driven ban making machine)

I. Introduction :

2-Ply yarn made out of grass fibres like Moonj and Bhabhar is the Coir industry 2-Fly yarn made out of grass notes into the double in abundance and demand for ban is in Northern India. The grasses are available in abundance implements like charles great. Large number of artisans ply the industry with traditional implements like charka. Good number have now taken to pedal driven ban machine popularised by the Commit Commission. Recently mechanical hammer for softening the fibre is introduced and ban machines operated with electric motors.

II. Process of Manufacture:

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Moonj and Bhabhar grasses are purchased and stocked in the season. They are made soft by hammering and 2-plies made of ban machines. The processes are simple and can be picked up in a couple of days by any worker. 1. Pachigania

wint Concerned and the st III. Assumptions ;

1. No. of working days per month • 25 Court No. of working days per year : Supplies hun staboli

uniti 101 201 21 21 d bills Marrieger

and helper @ Rs. 3/- per day.

under

IV. Capital Investment :

	100 (100 A. 1) 201 (100 B. B. 70 (100 (100)) 21 (100 C. 2)	and building <i>Linear And Equipment</i>	Work will be ca funds for works are not availa	-may be sanction ble ¹¹ on hire.	building. However, ed where buildings	T.
	(i) (ii) (iii)	Power Hammer (1) Ban making machin Electric motor (5 H switch and starter a	es (6) I.P.) with and	cd neo zonislana Rs. 1,000 Rs. 2,400		
	(<i>iv</i>) 3 (v) 3	switch and starter a wiring. Shafts, pulleys etc., Packing and transp Capital :		~ Ks. 1,000 cup -	7-3	
	Working (Capital:	یاری این آمایشد (۱۰ مرب	2010/210 011 COLU	cai	
	(i) (ii) (iii)	Raw material Salaries and Wages Miscellaneous		Enidem Rss 9,375 Rs. 13,400		
	+ ւայլ	overs, i.e., Working	•			
4.		overs, <i>i.e.</i> , working tirement : <i>Manufacturing cost</i> Raw materials Average 25 Kg. machine per day a			**** **	

b	
(i) Salary of Instructor-cum-manager at Rs. 200 p.m.	Rs. 2,400 March
 (ii) Wages of 6 spinners and 1 hammer-man at Rs.35/-6 (per day and 3 helpers at Rs. 3/- per day. Open day. <l< td=""><td>Rs. 11,000 Rs. 13,400 Rs. 13,400 Rs. 1,200 Rs. 1,200</td></l<>	Rs. 11,000 Rs. 13,400 Rs. 13,400 Rs. 1,200 Rs. 1,200
 (i) Rent and contingencies (ii) Repairs and replacements (iii) Power and Lubrication (iv) Unforeseen 	Rs. 300 Rs. 750 Rs. 1,000
 d. Överheads: (i) Depreciation at 10% (ii) Interest at 4% (Capital Expenditure Loan Rs. 3,500 + Working Capital Loan Rs: 6,500 = Rs: 10,000/- VI. Överheads : VI. Överheads : 	Rs. 700 : 9111001 : 9111000 : 9111000 : 9111000 : 91110000 : 91110000 : 91110000 : 91110000 : 91100000 : 91100000 : 91110000 : 91110000 : 91100000 : 91
VII. Selling Price : Average 20 Kgs. ban per day per machineDati Reil/- per Kg. ban VIII. P R O F I T	Rs. 30,000 Rs. 2,875
to The Information Duri Information	BAN' made mostly o

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Production of 2-ply yain; popularly known as 'BAN' made mostly out of grass. fibres like Moonj and Bhabhar, is an important fibre industry in northern parts of India. Ban is used for 'Charpai' (cot) Weaving and for general typing purposes. It is the coir The traditional method of preparing ban is to twist them on palms and charka. Khadi and Village Industries Commission introduced barmaking machines some 15 years of the North.

back. The machines have become very popular in Himachal Pradesh, Punjab, U.P., Reject Rajasthan, Bihar and Orissa. The machine helps artisans to earn double of what they Were Were earning by traditional method #This Industry is very well'suited for self-employment.

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Financial requirement of an artisan and the economics of a home unit is given below :

Funds Requ	ired	
1.	Cost of 1 ban making machine (includ- ing accessories, packing, transport charges etc.)	Rs. 400
2.	For stocking raw-material average 37.50 Quintals bhabhar grass per day at 40 paise per Kg. (300 working days)	Rs. 1,500
Annual Exp	enditure :	1,900
1.		1,700
2.	Repairs and replacements	Rs. 1,500
. 3.	Depreciation (200/	25
4.	Interest on loan of Rs. 1,900 at 4%	90
5.	Miscellaneous	76
		50
Annual Inco	me : 1	1,731
	10 Kg. ban per day (20% wastage) - Provision for report	
	Provision for repayment	3,750
	- Payment	400
	Net earnings	Rs. 3,350 Rs. 1,629
	· · · · · · · · · · · · · · · · · · ·	
1	6. DEHYDRATION OF C Number of units	
1.	Number of units one	PINGER .
2.		
3.		ugula/Paderu in Visakhapatnam
	(a) [and on the	
r	(b) Machinery (c) West	akhs
· . 4	(c) working Capital	lakhs
	(b) Machinery (c) Working Capital Raw material required Power reactions for the second sec	lakhs
6	Dec 1. lequired	Jer
7.	Raw material requiredRs. 0.30 IPower requiredRaw GingProduction CapacityNilProfitability100 tonneEmployment20%Demand Outlook25	
8.	Employment 20.%	s per annum
.9.	Demand Outloat	
	Employment 20% Demand Outlook Bright	
	,	the first states and the
		,

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	roduction: It is forest b	ased unit havin			
	ind and Buildings (Own or Rented):		- -		
	and (Area) 111ding (Area) } Rs. 10,000.			· · · · ·	
III. M	Iachinery and Equipment			· · ·	
S.No.	Name of Machinery	No	os. Required	Rate Rs.	Total <i>Rs</i> .
1. D	vistribution stills complete wit	h condensor			
ar	id a spare charge container of	100 K.gs	500 Nos.	7,000	35,000
	apacity. ump of Capacity 15 C	(4 ¹⁷	1 No.	4,000	4,00
	ting Machine	1	No.	1,500	1,500
a.	Erection and electric installat Office furniture	ions. }	ه مواجع و ا		6,00
D.	Omee Turintate		ela el al		46,50
Rei	curring Expenditure :	·	. <u>6</u> 15 117	171 - Se -	<u>. </u>
	aw Materials Required (PM)				
1. 1.	1. Citronella Grass	600 Kgs.		9,000	. Na sa sa
	2. Palma rosa	600 Kgs.	· · · · · · · · · · · · · · · · · · ·	4,200	
•	3. ¹ Pippermint	,600 Kgs.	an a	12,000	
	6000		Total:	35,200	
N a	laries and Wages (PM)				• • •
V. <i>Sa</i>	Supevisor/and 3 Labourers	and Watchman		1,600	
			Total :	1,600	
	ea (D		-		
	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	. 1 -			۱ ۲
VI. 0	ther Misc. Expenses (PM) Postage and Stationary			[~] 1,500	
	Postage and Stationary			4,500	• • • • •
	Power & Fuel			1.500	
14	Power & Fuel Transport & Conveyance Miscellaneous, consumable	stores, mainten		000 0	
ne ver i Petro i f	Miscellaneous, consumable	بې تلاتېدو مېمنو رو. نېچ تلاتېدو مېرو ولورو	Jotal :		
•	The strain of the same	÷		a	
				1	

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ις, Έλληνου Το Γιάλου Γιάλο Γιάλου Γιάλου Γιάλο Γιάδο Γιδο Γιδο Γιδο Γιδο Γιδο Γιδο Γιδο Γι	Raw materials Salaries and Wages Misc. Expenses	43.	35,200 1,600 ¹¹
		Total:	45,800
VIII.	Total Investment :	.000.01 . 5. 3	
	Land and Buildings		
	Machinery & Equipment	West Stranger	
la, T	Working Capital (Please work out for	2 months)	-46,500
. <i>I</i>	· **	Total:	
TTZ 14		li s de la composición de la composicinde la composición de la composición de la com	
IX. M	$\frac{1}{1000} \frac{1}{1000} \frac{1}{1000} \frac{1}{1000} \frac{1}{10000} \frac{1}{10000000000000000000000000000000000$	ite e tellane i se	and the second second
l)[⁻	Working Capital (One month)		
·**	Depreciation on machinery 109.) 1.5	45,800
	Interest 16% Depreciation on build		750
0,0	Depreciation on building 5%		.50
67-14	Maintenance of building by	·	5,000
	and other Miscellaneous etc.	,	7,000
X. Re	caint	Total :	60 600
110	Dian, e	AT LE D' YELLE	
		- 11 .) _]\. r 12~	
•	By Sala-acm: 130/-	•	,36,000
	By Bale of Pippermint Rs. 200/-		21,466
VT n			
AI, P	ofit and Loss:		99,466
	 OReceipts as per Head X Manufacturing Cost as per head IX 		an an Chàirte (Color an A
	2. Manufacturing Cost as per head IX	n in heige stage in de soorte d En la companya de soorte de soor	99,466
			60,600
	rro	fit per month	33,866
	8. MANUFACTURE OF SP	19 : 2 : 19 : 19 : 19 : 19 : 19 : 19 : 1	
I. Intr	8. MANUFACTURE OF SP.	VENIS & VENI	EERS
un	Asilara	· · · · · · · · · · · · · · · · · · ·	· · · · · ·
up units	s for manufacture of Splints and Veneer, inished product to cater the needs of th	able in the Be	

тт	Land and Build	lings (Own 0	r Rented)		V.Rs.
11.			Own		. 1
	Land (area) Building (area)	100.55	50 Cents		, 4,000
	Building (area)	1.365		-	: 1 ,20,000
	6000 Sq.ft. cove	rdiarea @	– Rs. 20/-per Sq.ft.	· ·	

III. Machinery and Equipment:

II. Machinery and Equipment:			
No. Name of the machinery	No. Reqd.	Rate	Total Rs.
20//	1 No.		.,6,000
1. Peeling machine 28"	1 "		4,500
2. Peeling machine 18"	2 Nos.	4,000	8,000
: 3 Standard chopping machines			
- the with two stones motorized	1 No.		900
model with 33 HP. 5 Flase motor	1 "	• •	9,000
E Electric Motor 20 HP 3 Phase station	1: "		2,500
6. Electric Motor 2 HP. with Statter etc.	12 Nos.	200	2,400
7. Peeling & Chopping blades	1 No.		4,000
g Levelling machine			2,000
antting machine	1 ,,		
		15%	6,045
10. Miscellaneous tape of equal Electrification, Transit and Insurance.		· · · -	46,345
	10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Total :	40,343
lecurring Expenditure : 450 that 30		· ·	Rs.
V. Raw materials required (PM) a struct 1. Soft wood @ Rs. 8/- cft. (1 quintal of splints	5	14.4 17.	•
1. Soft wood @ KS. 6/ children Veneer would would require 8 cft/1 Bundle of Veneer would			34,000
require 6 cft.) for month :			54,000
require o cit., 101 mars b		· î	10 - D
V. Salaries and Wages ((PM)	000		
$1 N_{0} \otimes R_{s.300/-} P.m.$	300 300		
1. Manager 1 No. @ Rs. 300/- 2. Foreman 1 No. @ Rs. 300/-	200	1997 - 1	
2. Foreman 1 1 tor 1 No.	200 750		3
3. Clerk-cum-Accountant 1 res. 5/- day 4. Skilled workers 6 Nos. Rs. 5/- day	5,250		
4. Skilled workers 6 Nos. Res. 3/- 5. Unskilled workers 70 Nos. Rs. 3/-		-	11 7,300
5Unskined	100		
	1,000	•	, <u>-</u>
VI. Other Misc. Expenses (PM)	1,000		•
Postage and Stationary in the second	200	· ·	, ·
	200		1,500
Power & Fuel, Transport and Conveyance Consumable stores etc. Misc. Rent	200		

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VII. Working Capital (Month) Ibs. and it is in a (3) and Machiner is in a (4, 30). Mise. Expenses Machiner is in a (3, 200) VIII. Total Investment 1, 24,000 Machinery & equipment 1, 24,000 Working Capital (2 months) 1, 24,000 Working capital (2 months) 1, 24,000 Working capital (1 month) 1, 24,000 Depreciation on machiner ilow 46,345 Working capital (1 month) 1, 24,000 Depreciation on machiner ilow 387 Interest 12% 387 Working capital (1 month) 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		6	170			
Kaw Material InO (*) 34,000 Salaries InO (*) 7,300 Machinery Indextra (*) 1,500 VIII. Total Investment 1,24,000 Land and Machinery 1,24,000 Working Capital (2 months) 1,24,000 Working capital (2 months) 1,24,000 Working capital (1 month) 1,24,000 Depreciation on machinery 10% 100 (*) (*) (*) (*) (*) (*) (*) (*) (*) (*)	VII. Working Capital (Month)		(bs.1152) 1	a mata set	Y• , ·	
Main Mise. Expenses fight may 00.477 Will, Total Investment fight may 00.477 Land and Machinery fight may 00.477 Machinery & equipment fight may 00.477 Machinery & equipment fight may 00.477 Working Capital (2 months) fight mathematical production of production of mathematical production of production of mathematical production of production o	Raw Material	10%O				1
VIII. Total Investment 42,800 Land and Machinery 1,24,000 Working Capital (2 months) 1,24,000 Working capital (2 months) 1,24,000 Working capital (1 month) 1,25,945 Depreciation on machinery 10% 100 per Interest 12% 100 per Wy Sale of Splints 500 Quintals @ 100 per 387 By Sale of Veneers @ Rs.60/- per bundle 250 (1) the state of the s	())) (me)	thing and	0 <u>0</u> , 11			
Land and Machinery Machinery & equipment Working Capital (2 months) 1,24,000 Working Capital (2 months) 1X. Manufacturing Cost (PM) Working capital (1 month) Depreciation on machinery 10% Depreciation on Building 5% Interest 12% X. Receipt§: By Sale of Splints 500 Quintals @ 100 per By Sale of Veneers bundles per month XI. Profit and Loss Receipts as per head X Manufacturing cost as head IX Profit per month (2 XII. Any other information : XII. Any other information : XII. Any other information : Source of supply of machinery :	VIII. Total Investment					
Machinery & equipment 1,24,000 Working Capital (2 months) Working capital (2 months) Manufacturing Cost (PM) Working capital (1 month) Depreciation on machinery 10% Bernetiation on machinery 10% Interest 12% Source of Splints 500 Quintals @ 100 per By Sale of Splints 500 Quintals @ 100 per Source of supply of machinery 1 State of Splints 500 Quintals @ 100 per Source of supply of machinery 1 Manufacturing cost as per head X Manufacturing cost as head IX Profit per month Manufacturing cost as head IX Year of supply of machinery : Manufacturing cost as head IX		14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -	· ···-			
 Working Capital (2 months) (a) A (a) A (b) A (c) A <li(c) a<="" li=""> (c) A (c) A (c) A<!--</td--><td>Machinery & equipment</td><td></td><td></td><td></td><td>1.000</td><td>.24.000</td></li(c)>	Machinery & equipment				1.000	.24.000
 (a) (a) (a) (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Working Capital (2 month	s)		20		-
 IX. Manufacturing Cost (PM) Working capital (1 month) Depreciation on machinery 10% Interest 12% Working capital (1 month) Depreciation on machinery 10% Interest 12% Working capital (1 month) Depreciation on machinery 10% Interest 12% Working capital (1 month) Depreciation on Building 5% Interest 12% Interest 12%		,		`.' ; - 5	- Herrie gene Effectionette	85,600
 Working capital (1 month) Depreciation on machinery 10% Depreciation on Building 5% Minterest 12% X. Receipt§7: By Sale of Splints 500 Quintals @, 100 per month By Sale of Veneers @ Rs.60/- per bundle 250 **). for all of the difference of the shall of the difference of the di	··· · · · ·			nnoù (n.)		55 945
Depreciation on machinery 10% Depreciation on Building 5% Interest 12% X. Receipts: By Sale of Splints 500 Quintals @ 100 per By Sale of Veneers @ Rs.60/- per bundle 250 ^(A)) for different different of the public bundles per month By Sale of Veneers @ Rs.60/- per bundle 250 ^(A)) for different different of the public bundles per month Source of supply of machinery :	Working continuing Cost (PM)) 5	 (a)0455 	Star in a second	5	
Interest 12% applied of Splints 500 Quintals @ 100 per By Sale of Splints 500 Quintals @ 100 per applied of Splints 500 Quintals @ 100 per applied of Splints 500 Quintals @ 100 per By Sale of Veneers @ Rs.60/- per bundle 250 AP) of applied of the period of the state of the period of	Depreciation on machine					,
 X. Receipt§: 2,559 X. Receipt§: 2,559 By Sale of Splints 500 Quintals @ 100 per month By Sale of Veneers @ Rs.60/- per bundle 250 ^(A) bit of the statistic of the statistic	Depreciation on Building 5	10%	n den bla Notesterer	Preita Fial () <u>r</u> ⊠raetu iz≂u	פטיר כ-לג ביוי	42,800
 X. Receipt§7: 2,559 X. Receipt§7: 2017 in supprise to solution and the solution of the solut	Interest 12%	/0		o na navela se s Volumenta com		387 500
 X. Receiption Total.; and 45,246 By Sale of Splints 500 Quintals @ 100 per month By Sale of Veneers @ Rs.60/- per bundle 250 (1) for all on ellipsing a stationary of the profile of the prof				and a different	1993-2019 PA	2,559
By Sale of Splints 500 Quintals @, 100 per South and thirdpippe to total: A standard of the public standard of the	··· ·			Store and the	Total .	15 016
By Sale of Splints 500 Quintals @ 100 per month Statistics of All and Al	The second second		and the sur-	T		<u></u>
By Sale of Veneers bundles per month Rs.60/- per bundle 250 ^(A) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b)	By Sale of Splints 500 Quin month	^{tals} @ 1	00 per		un politica.	:
 Wile Manufacturing cost as head IX Profit per month (b) XII. Any other information : Source of supply of machinery : 	By Sale of Veneers @ Rs.6 bundles per manual	0/- per h	undl- osk	1.56 - 1		30,000
 Wile Manufacturing cost as head IX Profit per month (b) XII. Any other information : Source of supply of machinery : 		min h.			- Elipping	17
Receipts as per head X Manufacturing cost ¹ as head IX Profit per month (b) XII. Any other information : Source of supply of machinery :	266.	$n_{10,3,7}$.	(30/17-)e -	and the	9 1990% <u>(1994</u>) 9 entre - 199	15,000
Receipts as per head X Manufacturing cost ¹ as head IX Profit per month (b) XII. Any other information : Source of supply of machinery :	XI. Profit and Loss			Larges	Potal :	65,000
Manufacturing cost ¹ as head IX Profit per month (b) XII. Any other information : Source of supply of machinery :	Receipts as per hools re-				17 IV.	•, •#
Profit per month (): XII. Any other information : Source of supply of machinery :	Manufacturing cost ¹ as head	IV	····· (177 ······ (117	· ,, _		
Source of supply of machinery :	Profit per month				for the state of t	65,000
Source of supply of machinery :	XII. Any other inc.		· ·		-Surra di <u>1</u>	45,246
	Source of	,	5 - 75 - ₁ 7	n an		19,754
 M/s. M.S.C. Engineering Works, Madurai Consol and and all M/s. Alapat Industries, Trichur M/s. Standard-Engineering Co, Amritsan 	supply of machine	- <u>J</u> . 0				
2. M/s. Alapat Industries, Trichur 1053. M/s. Standard-Engineering Co, Amritsan	1. M/s. M.S.C. Engineerin	ig Wort-	. b .=	We have	el parte con	
105 M/s. Standard-Engineering Co, Amritson	2. M/s. Alapat Industria		s, Madura	i Konob	E DILL SPACE	29
	M/s. Standard-Enginee	ring Co	Amritan-	Salator ando Alton Marian	na 1 & Frank Lang 11 Alle Alle Andreas	A (2)

9. MATCH INDUSTRY A MAY PROVIDE THE SECOND

State and a state of

I. Introduction :

Match manufacture is a labour intensive industry and all the processes can be done by hand with a training extending over a period of 6 months. Scheduled Tribes can be made to take up this industry. Obviously Cooperative Organisation in this industry have got more advantages as facilities like training, financial assistance, concessions in excise, interest can be made available. On an average 40 people can be given gainful employment in an average sized unit with a capacity of 50 gross models per day.

	Rs. 30,000
II. Land and Buildings	
r	
III. Machinery and Equipment:	
•	
1. Match frames	200
2. Paraffin plate with hot plate	13. C ^{ar} (176)
3. Chemical grinder	(1,1,1,1)
4. Diffing plate with leveller	and a state of the
5. Side paint frames ac	
5. Side paint frames ac 6. Inner and outer blocks for bor	making
7. Frame 8. Weighing balances, dieves, glass,	side paint, brushes,
8. Weighing balances, dieves, glass, levelling table for splints, mugs,	utensils, trays etc.,
	and the second second second
9. Office furniture	
IV. Recurring: (Raw materials for 3	months)
IV. Recurring: (Italian	,
1. Splints	
2. Veneers	and the state of the
3. Blue paper	
4. Craft paper	
5. Potassium chlorate	$1 = 100 \times \sigma \sigma_{\rm eff} (0^{11} \times 0^{11} \times 0^{11})$ (5.2)
5. Potassium entre	and the second
6. Glue	Pc 15 000/
7. Bed manganese	Rs. 15,000/
8. Glass	
9. Red phosphorous	1
10. Sulphur	and the second
11. Resin	attagen and services and s
10 Botassillin	20 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
12. Potassium 13. Antimonium Sulphate	(1, 1, 2, 2)
1. (14. Maize	
15. Copper sulphate	
16. Black manganese	、
	1

1. Clue 750 grams 2. Manganese dioxide 1 Kg. C3. MIron oxide with the normal second 200 grams 6.4102Glue and the leased active guida as a dakg. 15. (Sulphur (toulandord) / buch die and the ± 1 7. Rosin (1) 50 grams 8. Bichromate 25 to date to the first of the 9. Red phosphorus 250 grams. 10. Colour 1 kg. - 1.1 11. Paraffin wax 3 kgs. 12. Topioca powder 5 kgs. 13. Splints 30 kgs. 14. Blue paper 3. Reams 15. Craft paper 25 yards 16. Veneers 60, grams 17. Copper sulphate 25 grams 18. Labels 25 grams and long study says V. O. Salaries and Wages for 3 months 1. Dipper Rs. 150/-p.m. 1 - and 1 - and 1 Rs. 450-00 2. Manager-cum-Accountant 1 Rs. 200/- p.m. 9600**--**00 3. Helpers -1 1 41 @ Rs. 100/-300-00 4. Frame filling 0-25 np per gross 5. Bor making 937-50 (a) Inner 10 np per gross (b) Outer 7 np per gross 375--00 6. Watchman @ Rs. 100/- p.m. 262-50 300-00 VI. Miscellaneous Expenses : 3.225-00 Total : 1. Postage 2. Contingencies Rs. 100-00 mRs. 200-00 ÷ Rs. 300-00

Formula for 50 tonnes per day we start a first

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VII.	Total .	Investment :	,				
	1 '	Land and Buildings		$\dot{M} = 0$		e yne Z	Rs. 30,000
	· .	Teminments	1				16,500
	2.	Machinery and Equipment	hs:		î ·		i sa e
	3.	Working Capital for 3 month	Rst	5,000 }		0117	,
	•	a. Raw material	160. 1	2.025	× distant		· · ·
		b. Salaries and wages		r			
		c. Misc. Expenditure				_	18,525
					", 2010 ⁻¹ 1	بار از	65,025
VI11.		facturing Cost : .					15,000
	1.	Raw material for 3 months	•	-; , , , €R	<u>.</u> 171	ng that	3,525
	2.	Salaries and Wages	n 10%			DAVE	750
	3.	Machinery	and E	quipmen	t (a) 10%		412
	4.		•	- 41 - ¹ .			-
•		Traise duty Rs: 3.75 per gr	oss		•	0.00	14,062
	· 0.	at 1 Torrat 3 V RS. 1.300					.:
,	7.	Bureau 7				_	35,699
				:(.		.3 37	9.90
IX.	Cost pr	ice per gross					
	The estimate					t	
Х	Receipts		ross -	15.000 gr	osses annu	al	-i⊥ L
	1. Sale price @ Rs. 11.00 per gr production 0	1000					
				· .:	el an el se	1. '	1,45,000
	2.	Cost of production	Net J	Profit pe	r year :	R s. o	; 20,000
	•	'.	,		• .	Star 19 1	$\mathcal{L}_{\mathcal{F}}$
	<u> </u>	MANUFACTURE OF SOA	AP NU	jt and	SHEEKAI	POWDE	R at etti – etti
	EU.	, .					
in tł	he ageno	forest and demand based indus by areas. There isosufficient c	try. S iemano	sufficient: 1 for this	soap nut ai producti	id Sheekai id Sheekai ints 1910	is available
דו	- -	nd Building own or Rented.					
11.	Land a	ented @ Rs. 150/- p.m.					
		· · ·					

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III. Machinery and Equipment

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S.No. Name of Machinery	NT D V	
	No.Regd.	Total Rs.
1. Disentigrators 17	1 No	
2. Flour Mill		2,000
3. 10 H.P. Motor with starter		1,000
4. Counter Shaft, Pullies etc. 202	1 No:	5,000
	، ٦٠ (١٠) (٢ د.	1,000
5. Brestion and Electric Installation	·	
V. Raw Materials required (P.M.):		1,000
		10,000
Soap Nut and shikai 50 quintals	n de la composition d La composition de la c	5,000
(1.1VI.)		_ 5,000
 Manager-cum-Accountant Operator 	1 No. 2	
3. Workers	1 ⁻ No ⁻	200
	4 Nos. Rs. 75/- p.m.	200 300
I. Other Misc. Expenses (P.M.) :	-7 2.111	700
(r .M.):		
Postage and Gene	Rs.	· , ·
Postage and Stationery		
rout and Fuel	300	
Transport and Conveyance		,
Misc. Rent.		
Consumable stores	150	
II. Working Capital (Months)	125	
	i. A start	
Raw materials	-	
Raw materials	5.000	2
Raw materials Salaries and Wages	5,000	
Raw materials Salaries and Wages Misc. Expenses	5,000 700 700	· · ·

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· · ·	- 175		
VIII. Total Investment :	. v.h	· · (.M.C.) home	an akaran Marana
Machinery and	Equipment	10,000	$\alpha = \{x_i, y_i\}$
Working Capit	al	12,800	22,800
IX. Manufacturing cost	P.M.		with the second second
Working Capita	al ,	6,400	
Depreciation of		85	-
Interest 10%		· 300	_ *
non english		6,785	
**		<u> </u>	• .
X. Receipts:		, C. (1997) - 1997	
	kgs. of soap Nut an	d Shikai	0.000.00
powder at Rs. 4	1-50 per kg.	er Brown Communication Constant Co	9,000-00 X
XI. Profit and Loss:	62 1	an a	
Receipts as per	head X ¹⁰ 201011 0	darra (2 9,000.00 - 1	
no Manufacturing C		6,785.00	
head IX.	Profit per month	a. 2,215.00	11) n (j. 1
	ça (,	· · · · · · · · · · · · · · · · · · ·
	•	WORKSHOP	$1 \geq 1 \leq 1$ $1 \geq 1 \leq 1$
I. Introduction :	01	· ·	
⁰⁰ There is deman	d locally.		
			•
II. Land & Buildings (O			R s. 50 p.m
Land (area) Building (area)	(6.) (5.)	in depays -	
		ya har protein in	Dipalitati Pilipina Altaria Altaria
III. Machinery and Equip	pmeņi ···		
Cará Inter	of Machinery	Nos.Reqd.	·
			Rs. Rs.
1. Tools (Clamps, Han Leg vice etc.)		ch vice, (discussed and the gradient weather and the	
a. Erection and ele	ctric installations		2 (N - 1 - 14 ¹⁶
b. Office furniture	etC.		
o. Onto Turne at	E.	penditure : Total	R s. 1500.00

176	Rs.	Be
IV. Raw Materials required (P.M.):		Rs. 3,000
Other Materials.	a anna anna anna anna anna anna anna a	
	Total :	3,500
V. Salaries and Wages (PM) :	A. T. Martin Str.	
Self	to the second	250
Wages	and dealers a second second	250
		750
N N N N N N N N N N N N N N N N N N N	Total :	1,000
VI. Other Misc. Expenses (P.M).		-
	1. · · A	. ·
Transport & Conveyance		
Miscellaneous - Renty Consumable s	tores etc. 50	
	A Die oo Totale	
VII. Working Capital (Months) :	a a rota ro	100
Raw Materials		
Salaries & Wages.	3,500	
Misc. Expenses	100	
	100	· · · · · · · · · · · · · · · · · · ·
VIII. Total Investment	Total :	4,600
	Constituent Constrain Romace -	
Machinery & Equipment	6	
Working Capital (Please work out for 2 months).		, · · ·
т <u>г</u> а	9;200 ⁴³ (1993)	·
IX. Manufacturing Cost (P.M):	Total:	10,700
Working Capital (one month)	- weitig man	
Dopiculation on machinery too.	4,600 Contraction of the second secon	
	105	
	105 _{ເປັນ ອະດີເປັດ} ເພື່ອມວວກ Total :	
-	· · · · · · · · · · · · · · · · · · ·	4,720

Receipt. By sale offurniture. 5,200 ..

5.200

480

XI. Profit & Loss:

- £ 0 ⁻ 1. Receipts as per head X
- 4,720 2. Manufacturing cost as per head IX · . . · ~ When had a de

3. Profit per month

12. FURNITURE UNIT

17 A. 195 A.

With the chief aim of imparting training in Carpentry to the local people both in Polavaram and Buttayagudem Samithi areas, two training cum production centres at Pragadapalli and Buttayagudem villages in Polayaram and Buttayagudem Panchayat Samithis respectively were started in the year 1962-63, with the financial facility obtained from the Tribal Welfare Department. Two worksheds for the two centres were got constructed in those two villages. The required machinery and equipment were also s ha dhe 🕂 den n . . purchased.

The duration of the training is 11 months and the permitted capacity of trainees per each batch is 16. Both the centers were closed during 1969 due to paucity of funds. In total, Pragadapalli centre trained 108 candidates while the Buttayagudem centre 106 13 ¹ 4 candidates.

Out of the equipment available in the closed centres, the tools available at one centre will be surplus and it is proposed to distribute the surplus tools at 75% subsidised rates to the ex-trainees and local artisans of other two Samithis. The sanction of the Government is required in this respect.

When viewed from the angles of the availability of the Ex-Trainees within a reasonable distance, the availability of Band Saw and other machinery and equipments and the availability of the power, the Pragadapalli Centre can be chosen for revival as production unit. There are about 10'tribal ex-trainees within a radius of 3 miles and another batch of ex-trainees numbering 10 from schedalød caste people are available within the reasonable distance. There will be no difficulty in regard to the availability of workers having

The object of the scheme aims at due production of office furniture, school skill' in the proposed unit. furniture and household furniture, and other household requirements by duly employing

the ex-trainees from tribes community. The cost of the scheme is worked out keeping in view the existing building facilities, Machinery, equipment and hand tools on hand. The existing building may not be not be sufficient to accommodate the working for 15 workers at a time and hence, an

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additional workshed is suggested for construction, the existing hand tools may not be sufficient to carry out the work with 15 workers. Hence an additional amount is provided in the scheme for the purchase of required tools.

By implementing this scheme full employment to 15 ex-trainees and one watchmar and one Attender from Tribal community can be shown.

II. Land and Buildings (Own or Rented):	a assa rej es strinos)	
Land (area) 40 Cents of private land donated by private party.	orally June 1 - January 1 - Ja	
Building (area) Existing building (workshed) 15×30 proposed workshe III. Machinery and Equipment		
-4mpment ;		X3. 23,000
Name of Machinery		Total
 Band Saw 36" with 7.5 H.P. Motor Switch Starter Wood working 1.41 	1. No.	Rs. 2,712.00
 Wood working lathe 4¹/₂ with motor Bench Grinder 12" Circular saw with Motor Hand tools Work benches X Provision for new hand tools (a) Erection and electric installations (b) "Office form 	1 No.	923.00 425.00 1,000.00
 7. Provision for new hand tools (a) Erection and electric installations. (b) Office furniture etc. 	$\frac{1}{4} \frac{1}{Nos}$	1,085.00 2,000.00
e, service remiture etc.	 Possibility string (Constraint) Possibility string (Constraint) Possibility string (Constraint) Possibility string (Constraint) 	1,000.00
	Total :	10,142-00
IV. Raw Materials required (DA)		
Wood required at Rs. 170. Q. Mt, Hardware required, with finishing ma	25.7510 Q.Mt.	41,693,00 6,374.00
1. Workers d	Total :	48,067.00
 L.D. Clerk cum Accountant One Attender One Watchman Total wages for Labour 	Mark Child Stepper	2,440.00 1,800.00
I—13x	Total:	23,425.00

178

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117	
VI. Other Misc. Expenses (PM)PL (131) CONDUCT.	SEARCH CIVIS & LOATRS: F.F.
Postage and Stationery Power, and Fuelus atopholo to contininistops rull for Transport, and Conveyance discoil and and 201 Miscellaneous—Rent. ¹⁰⁰⁷ Consumable Stores etc.	5,300.00 5,200.00 1,200.00
	10tal 0,100.00
	48,067.00 1 a bor of an 48,067.00 23,425.00 5 1 a control of a 100.00
Raw materials Salaries and Wages Misc. Expenses in the interaction of the second secon	
VIII. Total Investment : A survey of the second state of the secon	10,142.00 25,000.00
New Building Working Capital (Please work out for 3 months) Working Capital (Please work out for 3 months)	19,898.00 Total : 3 55,040.00 5
 Out of this equipment and machinery worth Rs. 6,142 is already existing with the closed down Carpentry Centre at Pragadapalli. IX. Manufacturing cost (PM): Working Capital (one month) Depreciation on Machinery 10% 	6,633.00 85.00 104.00 688.00
Interest 10%	Total : 7,510.00
X. Receipts: By sale of Wooden furniture at 15% on the cost of furniture <i>i.e.</i> Rs.8,636.00.	3,636.00 7,510.00 1,126.00
Do S	5,000.00

13. TAMARIND KERNEL POWDER (TEP) PHOSPHATES & TKP BORATE

1. Background:

Tamarind seed kernel has certain inherent defects and as such finds only limited application for textile sizing. TKP has been phosphorylated and borated and the modified TEP resembles hydrolysed maize starch. This will result in the effective utilisation of TKP and substitute hydrolysed maize starch.

2. NOL Process:

A solution of phosphoric acid and caustic soda is sprayed on TKP. The product is mixed well and dried at 50°C. It is then powdered in ball mill, sieved through 100

For making TKP borate, a solution of Boric acid, caustic soda and urea is sprayed on TKP. The rest of the steps are same as mentioned above.

3. Market :

Large quantities of starch are used for textile sizing. It is not possible to assess the demand for modified TKP. However, a 300 TPA unit has been assumed for our

4. Price :

۰.

Ex-factory selling price of both TKP Phosphate & TKP borate work out around Rs. 1.67 per Kg.

5. Terms and conditions for release :

For terms and conditions and for release of the process interested parties are requested to get in touch with the Secretary, National Research Development Corporation of India, 61, Ring Road, Lajpatnagar-III, New Delhi-24.

Cost Estimates to produce - 300 TEP of TKP Phosphates of Borate Basis: 300 Working days - 1 Ton per Day,

1.	Raw Materials :		ıy.	- -
	TKP	Qty/T	Rate Rs./2	r. Value
	Phosphoric acid Caustic Soda (Mach)	300		2,10,000
	On cost 8% of row	. 12	6,500	78,000
	On cost 8% of raw material bill for handling, transport etc.	6	1,200	7,200
	Raw material cost per Kg. of finished product works out to be Point to be			25,600
2.	Services:		3,18,800	18,800
	@ 2% if the raw material bill			
		6,400		6,400

	· · · ·
3. Labour & Supervision :	8,400
1. Chemist (a) Rs. 700 p.m.	· · · · · ·
2. Skilled workers @ Rs. 500 p.m. 24 Nos	
 3. Unskilled workers @ Rs. 250 p.m. 48 N 	(US. 12,000
	32,400
$33\frac{1}{2}\%$ of labour and supervision for PF &	
Other benefits.	10,800
Other benefits.	43,200
	· · ·
4. Maintenance:	5,000
5% on plant cost.	600
2% on building.	
	5,600
5. Insurance :	
and an plant building one month raw mat	erial 4 000 4 000
and one month finished product.	4,000 4,000
- • 7	Υ.
6. Overheads: 50% of item 2 to above	29,600
7. Depreciation :	10,000
10% on plant $2\frac{1}{2}$ % on building	750
4 <u>2</u> /0 01 0 0000000	10,750
5~~ 200 Τ ΡΑ	4,18,350
Cost of production for 300 TPA Cost of production about Rs.1.40 Kg.	· · · · · · · · · · · · · · · · · · ·
Cost of production about Restrict bags. Packing @ Rs. 50/-Ton in gunny bags.	15,000
Packing @ Rs. 50/-100 III' guildy sugar Return on capital @ 5% of total capital	68,250
Return on capital & 770	5,01,600
Ex-factory selling cost of 300 tonnes.	7/ kg.
Ex-factory selling cost of 500 tonness Ex-factory selling price works out - Rs. 1.6	
NOTE : TKP - Borate	Qty./T Rate Rs./T Value
Raw material	300 700 2,11,000
TKP	7.5 3,000 22,500
Boric acid	24.00 2,500 60,000 0.09 1.200 1,080
Urea	0.07
Caustic soda On Cost @ 8% on raw material bill to co	ver 23,500
On Cost @ 8% on lan	
transport nanoming	3,17,080

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8.	Raw material cost per Kg. of this fi product - Rs. 1.06.	nished
	Raw material cost for this	KP! Phosphate and TKP borate worl alling price of T.K.P. – borate also will be
	around Rs. 1.67 kg.	string price of T.K.P borate also will be
Fixed	Working Capital Requirements	
	Sigma <u>blade</u> mixer.	
199	Ball mill.	
	Sewing machine Oven.	
	Installed plant to process	. 1
	300 TPA mass	Rs.
	300 TPA may cost about :- Building.	1,00,000
	Land.	30,000
		10.000
1.	Know how fees	hom 10,000 blind in its 10,000
Worki	ng Capital :	unorg both in a set 5 000
<u>665,</u>	One month raw material	buboaq bodybil dine cr sr 5,000 1,45,000
	One month Services	26,500 Contraction 26,500
	One month labour & Supervision	500 to bla decempter of
	One month finished product	
	1 2 months accounts room	3,600 (1) 35,000 (1)
		35,000 paiblind as 3242 62,000
	31.6	
AND 1	Total capital say $=$ Rs. 2.73 000	AST 602 rol nor uborg to 11,27,600
Perc	entage break up of ex-factory setting Raw material	1.1.25 1900 and about to 1.2.72.600
	Raw material	rice 12, 12, 00 and 100 and 100 and 100 and 100 and
	Services	Proving of Res 50, 701 in 19 (1990) result of rota 63.6 63.6 10 rota
	Labour and Supervision (50.1.9). Maintenance Insurance	anoi (0). Jo territoria
	Maintenance	· Mr. Mr. W. Char Broker
	Insurance	1.1
	Overheads $_{n} = T_{1, \dots, Q}$	Borote 8.0
	Depreciation and	
	Packing	5.9 (ed. 2.1
	Return on capital	
	Capital turnover ratio:	13.6 <u>istori</u>
	t turnover ratio:	13.0
	· · · · · · · · · · · · · · · · · · ·	ic volte 0.001 muterial bi
	S	ales turnover
		Total capital = 1.8
		kural 200

14. MANUFACTURE OF ABSOLUTE ALCOHOL FROM MOLASSES AND

be autifaceques on ten equivant en antiMOHWA FLOWER 21 Int 8. 1 151

The development of the Alcohol industry is closely linked to the problem of utilisation of molasasses from Sugar Factories. The Mohwa Flower, abundantly available in the Agency areas of G.L. Puram, Seethampeta, K.R. Puram, Dammapeta, Palwancha etc., ... can be utilised for the production of alcohol. The Corporation has procured about 1.72 lakhs of Mohwa Flower in 1968-69. The corresponding purchase in 1969-70 has fallen because of difficulties in marketing and the subsequent restriction placed on purchase possession and sale of this commodity under the Andhra Pradesh Mohwa Flower Rules 1971. The setting up of a distillation unit an increased earning capacity of about Rs. 2 lakhs per year. The production of alcohol from Mohwa Flower will be a source of employment and income to the tribal and in addition will help to alleviate the acute alcohol shortage in the country. It is possible to set up a small distillation unit, with a capacity of 1,000 gallons of absolute alcohol, as an adjunct to the Khandasari sugar factory.

Alcohol is used as a raw-material for plastics, like Polythene Polyestances, cellulose, accetate, polyvinyle chloride, and solvents like batanol ether and acetone, It is also used in the manufacture of items like synthetic rubbuer and insecticides.

3., Type of Orientation and location : The interaction of the interact

undustry using the raw-material of the Khandesari Sugar Factory as well as Mohwa Flower of the Bhadragiri Agency tract, the unit can conveniently be located at Gummalaxmipuram. 4. Anticipated output: Soon britemet will be an and the bolt of th There is a steady demand for this alcohol from the chemical and industrial users. Accordingly sales prospects are good.

A Anti-Letter Bost of Broading and Franklike Bost (1990) 4. Availability of Projects, Processing, and Feasibility Reports in a case of the content of the

The scheme report for the manufacture of alcohol from molasses is available (with the Girijan Coroperative Corporation Limited. The processing details from the Government Distilleries functioning at Kamareddi in Nizamabad District. The project Reports can be developed by commissioning a competent technical authority. Contraction of the second of t 221 C.S. E. 12.

Investment in the Industry:

The draft investment report indicates the following investments e Le ponousing Land and Building Rs. Tito Jakhs

4.18 b. Machinery and Equipment c. Working capital 1.99 Total : Rs. 7.27

The anticipated annual turnover is Rs. 3.48 lakhs as against an expenditure of Rs. 2.98 lakhs.

1.1

12.1

8. Anticipated annual return : And the barrel & salt in the property of the

The anticipated percentage of return on total investment is 8.7% while the percentage of profit is approximately 14%. However, the income of the tribals gathering Mohwa flower will increase by Rs. 2 lakhs per year. The Unit, therefore, can be taken up with a high degree of priority. A start of the one, incretore, can be taken up the 9. Employment potential : - And A

This industry provides employment to 30 supervisory and skilled workers in addition to 30-40 unskilled casual tribal labourers. 10. Source of Finance :

Dradech Small Scale Industrias Development Co orporation, New Delhi or the Andhra Pradesh Small Scale Industries Development Corporation, New Delni or the finance this Project along with the Corporation may be approached to finance this Project along with normal patterns of assistance.

. different is in the second of the second is the second of the second is the second of the second is the second of the second o

The Girijan Co-operative Corporation Limited, buys about 5,000 tonnes of deseeded and seeded tamarind each year. The tribals normally bring the tamarind along with its seed. However in the area of P tribals normally bring the tamarind along a to with its seed. However, in the areas of East Godayari the tribals are accustomed to bring de-seeded tamarind. If deceding the tribals are accustomed to bring de-seeded tamarind. If deseeding centres are organised in the Agencey areas it will compensate the tribal for his labour of the labour of the area organised. will compensate the tribal for his labour as de-seeded tamarind fetches a higher value than the seeded tamarind Further the than the seeded tamarind. Further, the tamarind seeds so culled-out can be used in this starch industry and will comparest for this starch industry and will comparest for the tamarind seeds. this starch industry and will compensate for the labour charges to be paid to the tribal.

2. Location: A number of these units can be started at Gummalaxmipuram

Salur, Seethampeta, S.Kota and Madugula of Srikakulam and Visakhapatnam Districts. 3. End Product: De-seeded tamarind and tamarind seed, produced by this operation, have a ready market in various uses already described. 4. Investment in the Industry: This industry will not require any investment or land and building and machinery How How III not require any investment

under land and building and machinery. Inis industry will not require any investment lakhs would be required to meet the expansion of the expa lakhs would be required to meet the expenses of daily wages.

ipated annual output capacity . The 5. Anticipated annual output capacity : The annual output capacity is estimated at Rs. 5.40 lakhs.

6. Source of Finance : The Girijan Cosoperative Corporation Limited, can the finance as an advance of raw material c

provide the finance as an advance of raw material from its own funds, in pursuance of

7. Employment Potential: This programme can provide employment for 500 persons. *Andhra Pradesh State Finance Corporation,

		185			
	16. NON-I	DIBLE OIL	S : 11		an a
I. Introducti The collected by	Mohwa seed is available f tribals. The Mohwa seed	plenty in fore oil is used fo	st area. The r manufactu	Mohwa se	ed is being
and Jubricatio	ons. 00.011,21-				
	Building (Own or rented) Land (Area) Building (Area) () ery and Equipment :	بر (۲) <u></u>	ed (R s. 150)	، المارية الوالية 1- الموالية - والية 1- الموالية - والية	, ,
S.No.	Name of Machine	ery	Nos Reqd.	Rate '	' Total
00.5.1.0.	09.811.01			Rs.	Rs.
(1) (90,02,545 ()(0,00)	 One Baby expeller bolts si (a) Erection and electric i (b) Office furniture, etc. 	nstallation ^{ol,} Sino poite k	800 IQ 200 000 RG 200 000 RG 200 000 RG	41. ji j <u>e -</u>	2,000.00
02.02.01				• .	
00.211.01. V. ⁽⁰⁾ Salaries a	nterial required (PM) Mohwa Seed 50 Quintals @ and Wages (PM)) Rs : ⁴ 180/- pe Rs. 200/-		rrite X Life da	9,000.00 200.00
1. 2.	Skilled worker one @ Unskilled workers two @ .	Rs. 400/-	5	-:	200.00
Other M Postage Power & Transpø Misc. Ro	and Stationery t Fuel ort & Conveyance ent Cosumable stores etc.	10.00	e Diegeldyw Hollygeldyw Hollygeldwe Diegeldyn Diegeldyn Diegeldyn Diegeldyn	nan (torr) Avan (torr) Alexan Martin (torr) Martin (torr) Martin (torr) Martin (torr) Martin (torr)	ini anti a anti anti a anti 1
VII III.aulin	ng Capital (months) :		0.000 -001	no r cour	
Lar Salı	nd & Building-Raw Materia aries & Wages sc. Expenses		400.00	۲۲ <u>ا</u>	9,770.00
	eners D				

A00071 St

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VIII. Total Investment :		_
Machinery & Equipment Working Capital (Please work out for	12,800.00	Rs.
months)	29,310.00	 :
	42,110.00	42,110.00
IX. Manufacturing cost (PM)	(.) : : : · · · · · · · · · · · · · · · ·	•
Working Capital (1 Month) Depreciation on Mach. @ 10%	9,770.00	
Interest 10%	107.00	
- Other Misc.	188.00	
· · · · · ·	50.00	с.
	10,115.00	-
X. Receipts :		10,115.00
By sale of 1500 Kgs. of Mohwa oil @ 6 By sale of 3000 Kgs. of Mohwa cake	5.75	
By sale of 1500 Kgs. of Mohwa oil @ 6 @ Rs. 0-20 p.a.		(10,120.00
· .		600.00
XI. Profit and Loss:		10,720.00
1. Receipts as per head X.	<u> </u>	
2. Manufacturing cost as per head I	X	10,720.00
		10,115.00
	Profit per month.	605-00
17. CHARCOAL	UNIT	
This scheme is feasible in Forest area is good demand for the charcoal which is used as II. Assumptions:		
is good demand for the charcoal which is used as II. Assumptions:	s where fire way the	
II. Assumptions :	fuel.	available. There
1. No. of working 1		
 No. of working hours in a month Production capacity 		· · ·
3. Production capacity	25	days
	8	Hours
5. Storage percentage	40 Te	nnes p.m.
Line Land and Buildings	rs. 5	00/- per ton.
IV. Machinery again-	137	
1. Kiln 1. Io st.	Rented	l'— Rs. 50/-p.m.
ausiv materials P M		
1. Fire wood @ Rs. 100/- 150 Tonnes.	Rs. 5	,000/-
(a) 453. 100/- 150 Tonnes.		
	Rs 14	80001

Rs. 15,000/-

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 Clerk-cum-Accountant Fireman-2 persons 	1949 (BLASS - 1)		Rs. Rs.	250/- 400/-
3. Labourers-6 persons	-		R s.	900/-
			Rs.	1,550/-
1	 			
VII. Miscellaneous P. M.		· · · ·		
·			Rs.	50/-
1. Rent 2. Transport & Conveyand	e	· · · ·	Rs.	. 50/-
 Transport & Conveyance Unforeseen & contingen 	ncies		Rs.	50/-
			Rs.	150/-
			•	
VIII. Total Investment :	. •			
Machinery and Equipment w	vorking capital		Rs.	5,000/
for one month			R s. 1	5,000/-
Raw Material Salaries &Wages				1,550/-
Miscellaneous			Rs.	150/-
			Rs. 2	1,700/-
X. Operating expenses P.M.:	<u>1</u>	the setting she	· ·	
1. Raw materials		• .• .		5,000 /-
2. Salaries and Wages	t. 22		Rs. Rs.	1,550/-
110-mo/011S	(8(m 0	,	Rs.	290/-
3. Miscellaneous 4. Interest on Capital @ 1	16% p.a.		Rs.	125/-
4. Interest on Capital @ 1 5. Depreciation on Machin				
· · · ·			R s. 1	/,1-1.5/-
			лтę,	
X. Receipts P.M.:		1		
 X. Receipts P.M 1. By way of Sale of 37.5 T @ Rs. 500/- per ton. 	fonnes of coal		Rs. 1	8,750/-
1. By way of Barbara $\mathfrak{B} \mathfrak{s} \mathfrak{s} \mathfrak{s} \mathfrak{s} \mathfrak{s} \mathfrak{s} \mathfrak{s} s$				
	R s. 18,750	1		· • • • • • • •
XI. Gross profit per month:	Rs. 17,115	/-	e trat fe	
	1.625		··· R š. –	
	R s. 1,635		1	•

	/ a —		
A Carl	(One Tonne pe	er day)	
			· D-
			Rs.
			25,000.00
			40,000.00
Raw Materials (One	Month).		· ,
Salaries & Wages (P	'M).	• .• .•	30,000.00
Miscellaneous Exper	ises.		
- برد.			6,000.00
King Capital (One Moi	1th):	DBL COLOR DATA STREET	-
Raw Materials			
			30,000.00
Miscellancour T		· .	2,200.00
miscenaneous Exper	nses		
			6,100.00
		• • • • •	29 200 00
al Investment ·	ដោយមានប្រាស់នៅ	of momental income to	
Land & Building.			421 11
Machinery & Equip	ment		25,000.00
Working Capital			70,000,00
		The Office of the other	38,300.00
n han in 1999. The			30,300.00
		-	,33,300.00
_			.,55,500.00
nufacturing Cost (One	Month).	· · · · · · · · · · · · · · · · · · ·	
nufacturing Cost (One	Month):	· · · · · · · · · · · · · · · · · · ·	
Working Capital	`		
Working Capital Depreciation on Ma	`		
Working Cost (One Working Capital Depreciation on Ma Investment	chinery etc.	n Allandar and an anna an Fridaige ann an St Anna an Anna Anna An	38,300.00
Working Capital Depreciation on Ma	chinery etc.	n Allandar and an anna an Fridaige ann an St Anna an Anna Anna An	38,300.00
Working Capital Depreciation on Ma	chinery etc.	n Allandar and an anna an Fridaige ann an St Anna an Anna Anna An	38,300.00
Working Capital Depreciation on Ma Investment	chinery etc.	n Allandar and an anna an Fridaige ann an St Anna an Anna Anna An	38,300.00
Working Capital Depreciation on Ma	chinery etc.	n Allandar and an anna an Fridaige ann an St Anna an Anna Anna An	38,300.00
Working Capital Depreciation on Ma Investment	chinery etc.	n Maria na sana sa	38,300.00
Working Capital Depreciation on Ma Investment eipts :By (a) Linseed Oil	chinery etc.	n Allandar and an anna an Fridaige ann an St Anna an Anna Anna An	38,300.00 600.00 2,220.00 41,120.00
Working Capital Depreciation on Ma Investment	chinery etc.	Alexandra Alexandra Frida Landa M Frida Landa M Frida March M Frida March March M Childre March March M Childre March March M Childre March March M Childre March M Childre March M Childre March M Childre M	38,300.00 600.00 2,220.00 41,120.00 40,000.00
Working Capital Depreciation on Ma Investment eipts :By (a) Linseed Oil (b) Linseed Cake	chinery etc.	Alexandra Alexandra Frida Landa M Frida Landa M Frida March M Frida March March M Childre March March M Childre March March M Childre March March M Childre March M Childre March M Childre March M Childre M	38,300.00 600.00 2,220.00 41,120.00 40,000.00
Working Capital Depreciation on Ma Investment eipts :By (a) Linseed Oil (b) Linseed Cake	chinery etc.	Alexandra Alexandra Bardia Alexandra Bardia Alexandra Bardia Alexandra Denolar a Constante Denolar a Constante Denolar a Constante Status	38,300.00 600.00 2,220.00 41,120.00 40,000.00
Working Capital Depreciation on Ma Investment eipts :By (a) Linseed Oil (b) Linseed Cake	chinery etc.	Alexandra Alexandra Bardia Alexandra Bardia Alexandra Bardia Alexandra Denolar a Constante Denolar a Constante Denolar a Constante Status	38,300.00 600.00 2,220.00 41,120.00 40,000.00
Working Capital Depreciation on Ma Investment eipts :By (a) Linseed Oil (b) Linseed Cake	chinery etc.	ALAS SALAS ALAS Barata Alas Salas Alas Alas Barata Alas Alas Alas Barata Alas Alas Alas Alas Darata Alas Alas Alas Manda Darata Alas Alas Alas Manda Darata Alas Alas Alas Manda	38,300.00 600.00 2,220.00 41,120.00 40,000.00
Working Capital Depreciation on Ma Investment eipts :By (a) Linseed Oil (b) Linseed Cake	chinery etc.	Andreas and Andreas Report and Andreas Report and a black Report and a black and a contract and a black Department of the Markins Statics Statics Report Statics Report Statics Report Statics Report Statics Report Statics	38,300.00 600.00 2,220.00 41,120.00 40,000.00 7,500.00 47,500.00
Working Capital Depreciation on Ma Investment eipts : By (a) Linseed Oil (b) Linseed Cake	chinery etc.	Alexandra Alexandra Bardia Alexandra Bardia Alexandra Bardia Alexandra Denolar a Constante Denolar a Constante Denolar a Constante Status	38,300.00 600.00 2,220.00 41,120.00 40,000.00 7,500.00 47,500.00
Working Capital Depreciation on Ma Investment eipts : By (a) Linseed Oil (b) Linseed Cake	chinery etc.	Andreas and Andreas Report and Andreas Report and a black Report and a black and a contract and a black Department of the Markins Statics Statics Report Statics Report Statics Report Statics Report Statics Report Statics	38,300.00 600.00 2,220.00 41,120.00 40,000.00 7,500.00 47,500.00
Working Capital Depreciation on Ma Investment eipts :By (a) Linseed Oil (b) Linseed Cake	chinery etc.	Andreas and Andreas Report and Andreas Report and a black Report and a black and a contract and a black Department of the Markins Statics Statics Report Statics Report Statics Report Statics Report Statics Report Statics	38,300.00 600.00 2,220.00 41,120.00 40,000.00 7,500.00 47,500.00
Working Capital Depreciation on Ma Investment eipts : By (a) Linseed Oil (b) Linseed Cake	chinery etc.	Andreas and Andreas Report and Andreas Report and a black Report and a black and a contract and a black Department of the Markins Statics Statics Report Statics Report Statics Report Statics Report Statics Report Statics	38,300.00 600.00 2,220.00 41,120.00 40,000.00 7,500.00 47,500.00
	Land & Building Machinery & Equipt Raw Materials (One Salaries & Wages (P Miscellaneous Exper king Capital (One Mon Raw Materials. Salaries and Wages. Miscellaneous Exper al Investment : Land & Building.	Land & Building Machinery & Equipment Raw Materials (One Month). Salaries & Wages (PM). Miscellaneous Expenses. King Capital (One Month) : Raw Materials. Salaries and Wages. Miscellaneous Expenses Miscellaneous Expenses	A A Land, & Building Machinery & Equipment Raw Materials (One Month). Salaries & Wages (PM). Miscellaneous Expenses. Materials. king Capital (One Month) : Materials. Salaries and Wages. Miscellaneous Expenses Miscellaneous Expenses Materials. Salaries and Wages. Miscellaneous Expenses Miscellaneous Expenses Miscellaneous Expenses Intiges and Mages. Miscellaneous Expenses Machinery & Equipment Materials (Miscellaneous Expenses) Machinery & Equipment Miscellaneous Expenses Machinery & Equipment Miscellaneous Expenses

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18. LINSEED OIL AND DOUBLE BOILING

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19. PLANTATION OF SISAL HEMP FIBRE

There is an all round shortage of natural fibre. Varieties of fibres like Koperi. Addanara, Peddanara and sisal are abundantly available in the agency areas of Andhra Pradesh, have bright chances for development commercial utilisation. One of the major occupations of the tribals in these areas is to collect the fibres and cell it either as a raw commodity or after processing the same and making hand ropes. Amongst the various fibres, the aloe "Agave Rigida Var Sisalana" is well known to yield a larger percentage of fibre of a better quality than any other species. Land of gravelly and stoney nature is reported as specially suitable for sisal. It is therefore considered advantageous to aim at a suitable location in the agency areas during the next 5 years at 700 acres in the first year and 100 acres each year in the succeeding four years. It is continated that on average the yield of fibre from sisal plants will be700Kgs.per acre annum at a sale value of Rs. 1500/--Regarding the cost of establishing a sisal hemp plantation, it may work out to Rs. 300/per acre. The amount required to take up this sisal fibre plantation, works out as follows.

S.No.	Item	1976–77	1977-78	1978-79 1979-80 1980-81
		Acres ¹¹ 700	90 100	100 100
	sisal hemp in agency areas.	100 de 1		30,000 30,000 30,000 2000 30,000 30,000 2000 30,000 30,000

20. PLANTATION OF MISCELLANEOUS FIBRE

Miscellaneous fibres like Moonj, Sabai, and other grasses are being collected 6.529 from the agency tracts of Eturunagaram, Rangapura, Gudur and Narasampet, Adda Teegala, Rajavommangi and Bhadrachalam areas of the Godavari forests. These miscellaneous fibres are well suited for the manufacture of ban, rope and brooms, the demand of which is increasing for the different agricultural, domestic and other purposes in the local and neighbouring areas. As at present, there is no systematic growth of these fibres attempted. The collection of these fibres is being done in a sporadic manner in a number of scattered areas. areas. A second second

It is therefore proposed to attempt a plantation of 1000 acres of some of the useful grasses in selected spots in the agency areas to put not only the collection of ·· ·· the grasses but the processing of the fibre on a rational scale. The cost of establishing the grasses out the provident of work at Rs. 200 per acre. To start with in the first year, this plantation is estimated to work at Rs. 200 per acre. an area of 700 acres will be taken up and in the succeeding four years it will be an area of 700 acres will be taken up and in the atoms are as follows: not followed by 100 acres each. The financial implications are as follows: not

		1	1976-77 1	977-78	1978-79 19	979-80 19	80-81
· · · · · · · · · · · · · · · · · · ·			700	100	100	100	100
1.	Plantation of Miscellaneous		1,40,000	20,000	20,000	20,000	20,000
	fibres.	Rs	1,				

21. PLANTATION OF FOOD FORMING TREES FOR TASSAR CULTURE

The Tassar can be called as wild silk. This is the famous handspun"TASSORE" popular in the U.S.A. and Europe. Strangely enough; this silk is the product of the remote forest areas and the agency tract bordering the Gc davari River in Andhra Pradesh is a rich Tassar producing area. The Tassar silk worm rearing and silk reeling is now mostly confined to Warangal District and therefore it is proposed to extend this activity to Khammam, Karimnagar and Adilabad districts by introducing a thousand acces in those three districts by way of utilising existing food trees and by additional plantation of the 'Nallamaddi' and Arjuna plants and other food for ming trees and imparting skills to the local tribals in the operations of the Tassar silk worm rearing. The cost of planting the Nallamaddi trees is estimated at Rs. 300 per acre. As far the rearing activity, trained tribals párticularly 'Koyas' are already available who have to be given necessary facilities. state a serie a sist print ?

Extension of 'Nalla-	1977-78 1978-79 1979-80 1980-81
maddi & 'Arjuna' Acres. 50700	10100
the agency areas of Rs. 2,10,000 Khammam, Karimnagar, and Adilabad districts.) <u>30,000</u> 30,000 30,000 30,000

THE STATE OF THE SOUTH THE

22. ESTABLISHING AN EXPERIMENTAL DEMONSTRATION FARM FOR IMPROVED VARIETIES OF COTTON AND SETTING UP ONE GINNING UNIT IN THE AGENCY AREAS OF ADILABAD DISTRICT

There are potentialities for increasing the already existing trend of cotton cultivation in agency area of Adilabad district. There is shortage of cotton and cotton yarn at present and it is therfore worthwhile to plan an extent of 5000 acres of improved varieties of cotton and induce the tribals to take up this as a plantation crop. Besides helping the tribal to get an assured higher income than what he is getting hitherto, the tribal may find it easy to pick up this activity, since this will be only an extension of an existing activity only and not a new one altogether in that district.

It is proposed to introduce the improved stains of KAC 122 and MUC 5 varieties which are reported to yield on average of 1000 K.Gs of Kapas per acre fetching a value of Rs. 2,500 per annum. Against this out turn, the cost of cultivation is estimated at Rs. 1200 per acre. It is therefore felt that an experimental demonstration farm covering an area of 500 acres be established for introducing the improved strains of cotton in the agency area of Adilabad district. This would serve to propagate the usefulness of these victors. improved strains and induce the tribal cultivation for growing cotton of these varieties.

Cost of setting up one Demonstration Farm for the improved varieties of cottoni ÷., 500 ácres

Rs. 6,00,000

23. PLANTATION OF FOOD TREES FOR LAC CULTURE AND SHELLAC AND DEPUTATION OF CANDIDATES FOR TRAINING IN THE MANUFACTURE OF REFINED LACS

Lac is the resinous protective exudation of a tiny insect LACCIFER LACCA (generally known as the lac insect) parasitic on certain trees. The minute larva of the insect draw their nutrient from the sap which they suck through their long probosis, inserted into the bark of tender sheets. Lac found numerous uses in industry and has continued to enjoy a prominent place in trade and commerce. Lac is used in plastics, electrical insulations, adhesives, cements, leather and shoe dressings; wood finishing and in many other industries. Films of lac on wood metal and other surfaces possess excellent gloss, and resistance to abrasion, water and electric current, and even chemicals.

Over 80% of the world production of lac comes from India. It is cultivated as subsidiary cash crop in the hill tracts of Bihar, Orissa, MP, West Bengal, Assam and Mysore. Efforts should be made to raise this cash crop in the agency tracts of A.P. also. Cultivation of lac is initiated from broodlac which is the twig of the host tree carrying the lac encrustation at the time when the larvae are about to emerge from the mother insects. For infecting a tree, broodlacs are cut from the host tree, and tied at convenient places so that fresh succulent shoots may readily be accessible to the insect larvae. Lac is places so that fresh succulent shoots may readily be accessible to the insect larvae. Lac is places of the host trees are cut and the encrustation removed. The resins encrustation twigs of the host trees are cut and the encrustation removed. The resins encrustation removed from the cut twigs is sold as stick lac.

Two main strains of lac insect are the Kusmi insect which thrives on Kusum (Schleishera, Oleosa oken) trees and produces a fairly thickencrustation of light coloured lac. The Rangeeni insect which grows on palas (Butea monosporma lam) bor (zizyphus mauritiama lam) and Ghont (zizyphus Klepyra wild) and produces thinney encrustation.

The neighbouring State of M.P., is reported producing about 300,000 mds or 12 tonnes (as per 1951 reports available).

As production of lac gains speed and tempo, it will be necessary to depute selected candidates either at the Indian Lac Research Institute, Namkum, Ranchi (Bihar) or some of the established shellac industries in Calcutta.

Taking the cost of establishing a plantation of Kusum and palas trees at Rs. 300 Taking the cost of establishing a plantation is aimed at, the financial implecation will per acre, and if one thousand acre plantation is aimed at, the financial implecation will

work of	ut as follows.			1977-78	1978–79	1 979 –80	1980-81 -
S.No.	Item		1970-77	700	100	100	100
1.	Plantation of ac	Acres	600 1,80,000			3 0,000 (
•	& Palas trees.	Rs.	1,00,000 1000 acı		R s. 3,00,000	¹ i	

Total

(1). Further the cost of deputation of 6 candidates per year in the methods of raising lac culture and manufacturing of fefined lacs works out as follows : BOAL GINGHER 1977-78

1978-79 1979-80

ADDAT # \$1 DDAT for all price to include out over a price of the 2.35 Deputation of six candidates each. The other restriction of the state of th year for training in raising lac Rs. 9000 9000 9000 9000 9000 9000 -1.52 · · · te in a construction and manufacturing of a color of such as the state of the color gnata at refined lacs at Rs. 125/1 and and the Total Rs. 36,000 Stipend per month, we said to but have to any the self of the but to be a state of the self of the but to be a state of the self of the but to be a state of the self of the but to be a state of the self of the but to be a state of the self of the but to be a state of the self of the but to be a state of the self of the but to be a state of the self of the but to be a state of the but to be a s (125×6=750×2)

and the second state of the second of the second second second second second second second second second second

24. TWO HERBARIUMS FOR MEDICINE PLANTS IN A COMPANY OF THE STATE OF TH AT WARANGAL AND VISAKHAPATNAM The product of the second demode and the second by the second second by the second second by the second second by the second sec

 $\mathbf{T} \mathbf{A}$ variety of useful plants could be made available from agency areas which can be treated for manufacturing drugs and pharmaceuticals on indigenous sources. The indigenous drugs and cosmetics, are proving very effective these days. The abundant availability of suitable herbs which can be grown year after year, season after season, in the tribal areas is thus a valuable source for these pharmaceutical industry. in the front mean is need to ostablish and the first of the first of the first of the As such there is need to establish two herbariam units one at Visakhapatnam district and the other at Warangal district which can develop the locally available species of plant in an organised manner, along with nurseries. This scheme has to be workedout in coordination with Agriculture Department and Forest Department. This scheme will cost about Rs. 2 lakhs at a cost of Rs. 1 lakh per unit. The second state of the second second

It is also understood that some varieties of tribals particularly Gonds have very improved know-how about indigenous herbs grown in forest areas.

25. SCHEME FOR SUGAR CANE CRUSHING AND JAGGERY MAKING I. Introduction indicating market poten-· - : tial and manufacturing process (Brief): 41L. There is a good demand ne ne martin solato acato staton for sugar cane crushing and Jaggery II. Land and buildings making. $\tau_{1} \sim \tau_{1}$ Own or Rented Land (area) Rs¹ 3,000/-Building (area) 60 day 6 s

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S.No.	Name of Machinery	<u>v 2000</u>	los.Regd.	Raie	<u>te e a de</u>	Rs.
1.	Crusher 10 HP.		111 1. No.		ಗ್ರಾಂಧ _{ಕೆ} ಗ್ಗೆಸು	2 834,000/-
2.	Oil Engine 10 HP	9 <u>07.00</u>	1 No.		5) (10 01 -1	
3.	Jaggery Pan, Pots, Other	things et	C.,		ve Domoute	2,000/-
			Acres 1			
IV Back	erring Expenditure :	- (13) - (13)			n musiche non-	50° .
Raw	Materials required (PM)	- 512	Ţ		n n an Marian The State	
 با ۲۹۰۰	1. Sugar cane $8 \times 25 = 20$	00 -	,,	-		20,000/-
• •	2. Lime etc.				•.	500/
,	· ·			nt]] (∩	114 (t) ¹ 17	20,500/-
	I Warnes (PM)					·
<i>C</i> 1	ies and Wages (PM): 1. Salary of Pan man @	Rs. 300/-	p.m.		-1-1.001	300/-
	 Salary of 1 an interes Wages to 10 workers 	@ Rs. 5/-	per day	for 25 d	ays	. 1,250/-
	•			ti'nye i ri		- 1,550/-
*						
				N 19		
VI. Othe	er Misc. Expenses (PM) :	2 <u>11</u>	Rs.			
		· · <u>· ·</u>	10/-			· · · · · · · · · · · · · · · · · · ·
		· · <u>· ·</u>	10/-		مراجع المراجع المراجع مراجع المراجع ا	e se
, [–] ,	Postage and Stationery Power and Fuel Transport & conveyance	. 1000 1000 . 1000 1000	10/- 300/- 50/-		 	са — .н Полан 11 г. дания (
, [–] ,	Postage and Stationery Power and Fuel Transport & conveyance Miscellaneous - Rent	toot 500 Stoot 500 Stoot 500	10/- 300/- 50/-	بر این (یه داری در برای	مراجع المراجع المراجع مراجع المراجع ا	са — .н Полан 11 г. дания (
, [–] (Postage and Stationery Power and Fuel Transport & conveyance Miscellaneous - Rent Consumable stores etc.	toorson Godin Toorson	10/- 300/ , 50/-		n de la com Transforma La final de la com La final de la com	410/-
, [–] (Postage and Stationery Power and Fuel Transport & conveyance Miscellaneous - Rent Consumable stores etc.	toorson Godin Toorson	10/- 300/ , 50/-		n de la com Transforma La final de la com La final de la com	410/-
, [–] (Postage and Stationery Power and Fuel Transport & conveyance Miscellaneous - Rent	toorson Godin Toorson	10/- 300/ , 50/-		n de la com Transforma La final de la com La final de la com	410/-

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VIII. Total Investment: Land and Buildings 3,000/-Machinery and Equipment . 12,000/-Working Capital) Please workout for 1 month) 22,460/-37,460 IX. Manufacturing Cost (PM): Working Capital (One month) 22,460/-Depreciation on machinery 10% 100/-Interest 10% 418/-Depreciation on Bldgs. 5% 25/-23,003/-10 X. Receipts: By Sale of 110 M.Tons of Jaggery. 27,500/-XI. Profit and Loss 5. 1. Receipts as per head X 27,500/-2. Manufacturing cost as per head IX-23,003/-3. Profit per month IX Any other information : 3.497/ No and the District State of 26. MANUFACTURE OF SAGO I. Introduction It is agro based industry. The tapioca root is available in Agency Area of East lavari District. There is market for the Call C. Flerry . 19 Godayari District. There is market for this product country wide. II: Land and Buildings (Own or rented) : Land area $2\frac{1}{2}$ Acres i diteme di Drying plat form 15,000/-15 Tanks 20,000/-Building (area) 1,15,000,60 × '40' Contains crushing, 50'×60' Circulating Channels I - 14x20,000/-١

III. Machinery and Equipment.

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Sl. No.	Name of Machinery	Nos. Regd.	Tota Rs.
1.	Crushers	4 Nos.	
2.	Pump sets	5 Nos.	· _ · · · · ·
3.	5'×8' sieves P.S.Sheet	3 Nos.	
4.	$5' \times 8'$ sieves with Hilon cloth	3 Nos.	the the second
5.		2 Nos.	
6.	Separators	2 Nos.	80,000/-
о. 7.	Polishing Machine	1 No.	
8.	Frying Pans	14 Nos.	
9.	Motors of 30, 10 and 5 H.Ps.	3 Nos.	
9. IV. Ra	w materials required per season of	100 days :	
 	All Kinds of Spares, Raw mate 10,000 Putties of Tapioca	zrials	4,00,000/-
-r Cal	aries and Wages per season		
V. Sali	Self contract 1 labour per peal Rs. 1.80 per putti. 60 workers @ Rs. 3/- per day for 150 days. One Clerk@Rs. 150/- p.m. for	· · · ·	18,000/- 27,000/- 1,800/-
		бу. Х	46,800/-
WL O	ther Misc. Expenses per season.		
	Postage and Stationery Power and Fuel Transport and Conveyance Misc. Rent. Consumable stores.	1,000/- 30,000/- 15,000/- 4,000/-	

•		
	•	196

Raw Materials	,00,000/-
Salaries and Wages	•
Mise. Expenditure	50,000/-
VIII. Total Investment	
Land and Buildings	1.15.000/200-
Machinery and Equipment	
Working Capital for season	4,96,800/-
IX. Manufacturing cost per annum (Sea	(son)
Working capital per season	4 96 900 /
Depreciation on Mach. 10%	-,50,800/-iii '. (13,750/-
Interest 10%	-40135,000/200
X. Receipts	5,45,4
-	- A*
By Sale of 4,500 bags of Sago @ Rs. 120/-	5 40 0 1 1 1 1
300 bags of Brokers @ 75/-	5,40,000/-
500 Bags of 2nd grade starsh	22,500/
(ii) IX3. 00/-	⁵⁷¹ 18,000/
700 Quintals of Root Waste @ Rs. 40/-	28,000/-
VI D C	- NECOE 6,08,
XI. Profit and Loss	6,08,
 Receipts as per Head X^{9,0} Manufacturing cost as per 	6,08,500/-
head IX	5,45,550/-
3. Profit per month	
-	52,950/-

27. COCONUT AND COIR COMPLEX

I. Introduction

Man Balanda San San San

Konaseema is famous for coconut gardens. At present copra making industry is being carried out on traditional lines. The Burma Repatriates Development Industries and Trading Co., Ltd., Razole proposed to start a mechanical copra making unit to produce quality products.

PROCESS :

ALC: NOT SEE OF

Split nuts are loaded above the weldness platform and hot air is blown from the bottom of the weldness through the split nuts or copra stocked above it. Hot mid air escapes through top of the chamber. Loading and unloading of nuts and copra are done through the doors provided. Hot air from the dryer is blown into the chamber, through the ducts fixed below the weldness platform. The valves provided for the ducts helps to admit hot air into drawing chamber as and when required. If good quality nuts are used the quality of copra produced will be excellent, with good colour and free from fungus.

II.	Land	2000 Sq. Yds.	17,000/- 17,000/-
,	Buildings	1000 Sq. Ft.	(23,000/-

III. Machinery and equipment :

	114 401111	i ment conshie of	·
		processing 2 lakhs nuts/p.m.	25,000/- 500/-
	ii)	Tools 320 control the second of the second o	1,500/-
			1,000/-
,*	iv)	Enruitine	
	V)	Baby oil expeller may be added.	39,000/-

naterial ver month :

1 i. .

IV. Raw material per more Riped coconuts @ Rs. 800/- 1000 nuts for 1,25,000, Nos. delivery at site.	1,00,000/-
1,25,000, Treat is store to prove by the to strate	(i
V. Salaries and Wages P. Myrest C. 2021 002 The supervisor i) Supervisor @ Rs. 200/2000 to .2: M (2010 000 10 000)	250/- 800/-
ii) Operators a monominanti . I in 1911	200/- 1200/-
 ii) Operators A Post of accountant of a post of the second accountant of a post of the second accountant of the post of the second account of the	1 (73 2,500/- 1 (* 100/-
v) Dehusking worker job and Cable Marker and Stranger	5,100/-

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,	Postage and Stationery Power and Fuel	·›·· 50/·
iii)	Transport	, 700/
iv)	Other consumables (gunnies)	150
hee is also in state in	(guines)	950/
		1,850/-
VII. W	orking Capital (PM)	• • • •
i)	Raw materials Rs. 1.25 lakh	
ii)	Salaries and Wages	1,00,000/
iii)	Other Misc.	5,100/
		1,850/
		1.06.050/
VIII. 7	'otal Investment :	1,06,950/
	Land and buildings	
(للد	Machinery and equipment	23,000/
	Working Capital per month	39,000/
		1,06,950/
IX Ma	and the second	1,68,950/
	nufacturing cost (PM):	
i)		
11)	Depreciation on machinery 10%	1,06,950/
· · · · · · · · · · · · · · · · · · ·		325/
17)	Interest on total investment	702/
		1,810/
·		
	· (1)	1 ,09 ,064/ 91/
1000.000		<u> </u>
X Receipt	S:	1,09,115/
. i)	By sale of dried cor	
- <u>-</u> <u>-</u> <u>-</u>	By sale of dried copra of 7,500 Kgs. @ 125 Kgs./ 1000 nuts @ Rs. 7/- Kg. By sale of 4250 Kgs.	
ii)	By sale of 4250 K gs.	
iii)	By sale of 4250 Kgs. of coconut oil @ Rs. 12/- per Kg. 1,25,000 shels By Sale of Cake 3250	54,687.5
×	1,25,000 shels	51,000.0
iv)	By Sale of Cake 3250 @ Rs. 1/- Kg.	
. v)	By Sale of Lake 3250 @ Rs. 1/- Kg. By Sale of husk @ Rs. 30/- 1000 Nos for 1,25,000/-	1,250.0
ы (¹ 1)	Dy Bare of husk @ Rs. 30/- 1000 Nos for 1 25-000/	3,250.0
• •.	1,43;000/-	5,625.0
		1,15,812.5

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XI	Profit : Receipts as per head X Manufacturing Cost as per head - IX	e ¹ e ¹	Rs. Rs.	1,15,812.50 1,09,064.00
·		. • ••	Rs.	6,748.50
			<u> </u>	

Scheme for Mechanical Defibring

11

I. Introduction:

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In view of the abundant availability of coconut husk in central delta area, Razole Taluk Burma Repatriates Development Industrial and Trading Company, Razole proposed to establish one mechanical defibring unit. This unit will utilise the coconut husk which hitherto is being wasted as fuel, for the extraction of fibre.

Process :

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The coco husks after they are dehusked from the matured nuts are subjected to the Crushing machine to facilitate for early penetration of water into the layers of the husk in Order to reduce the period of scaking from a month to a week. The husks will be feeded into the crushing machine by hand and while passing through rollers arranged in the crusher the husk will be processed. Then these husks will be submerged in water for about a Week in a soaking tank. The soaking tank with the cut-lets and inlet arrangements will drain the muddy water and admit fresh water periodically for better soaking of the husks. After soaking for one week, the husks will be subjected to the defibring drums rotating at a speed of 300 to 400 RPM and separate the bristle, mill and matress fibre. These fibres a speed of solution the pith contents by means of a shifter and then dried till the moisture is evaporated. The average yield of the bire for 1000 full husks is about 100 Kgs. and ich nearly 20 Kgs. bristle fibre and 80 Kgs. matress fibre.

out of which	nearly 20 Mgs. or 1		10,000/-
π π (<i>a</i>)	Land 3000 Sq. yards		30,000/-
		1	10,000/-
$(\boldsymbol{\theta})$	Soaking pits, well and pump		
(<i>C</i>)	Soaking pros,		50,000/-
- 11 -			

	· (• · · · · ·		,
III. Machinery	Combing drums & Nos. (self driven) ca	pable	32,000/-
Ç	Combing drums & Nos. (John School & Sch		2,000/-
0	dending soor		7,500/-
S	hifter 1 No. crushing machinery (4 rollers) 1 No.	والمجمع المراجع	2,000/-
C	rushing machinery (t top A 🛱 👌	
B	alling press 1 No.		5,500/-
5	HP Motor, Shaft and Pullyes HP Motor, Shaft and Pullyes Crection and electrification charges	· properties	
F	trection and electrication		3,000/-
C	furniture		
Т	vpewriting machine	63	3,000/-
T	ypewriting machine	63	3,000/-

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IV. Raw me 02.018.114		•
60 1-811,00 .	Coconut full husks 75,000/- No. @ Rs. 25/-1000.	2,250/-
V. OF Salaries	and Wages:	
(i)	Superintendent	300/-
(ii)	Accountant-Cum-Store Keeper I	250/-
(22)		· · ·
02.090 (iv)	MechanicMaistry active Browner of the mechanic of the vertice of the vertice of the second secon	200/-
laidw gragin	monoral office filler and the second of the second	200/-
	· · · · · · · · · · · · · · · · · · ·	950/-
Workers		. , .
i ul stril (i)) Niti u vlusti (i s	Machine Operators 12 Nost @ Rs/15/- Day	: ·
ed a co (ii)	Unskilled labour (vr. 2014) 1010 and 1	.⊴. 1,500 /°
(iii)	Watchman (the inclusion of the Ks. 2.50	1,000/-
	the watchman of the still served	
	unit will look after the state to copra making	- ¹ co0/-
2 hile to 19 1 gill - 18 19 2 General - 19	unit will look after this unit also)	2,500/-
l ad etterne Egile norm effensen er ar transf	unit will look after this unit also)	2,500/-
d nd eth (1) 1911 - John 1913 - John 1914 - Michie 1944 - Strong	unit will look after this unit also)	2,500/- 950/-
ы мінстрала 2 дій — алар 2 Марталар 20 - Каралар 21 - Мізстр 2000 да	unit will look after this unit also	2,500/- 950/-
d mileta (d. 2012 - 2013) 2014 - 2014 2014 - 2014 - 60 21. Misc. 1 2000 - 60 2015 - 60	unit will look after this unit also unit also and the state of the s	2,500/- 950/- 3,450/-
2 mileta (n. 1997) 2 gili - an (n. 1997) 20 de merit 20 de merit 2 de merita de merit 2 de merit 2	unit will look after this unit also unit also unit also and the set of	2,500/- 950/- 3,450/- 50/-
d mileta in 2 gili - an i 2 di bane i 2 di bane i 2 di bane i - 1000 (1) - 1000 (1) - 1000 (1) - 1000 (1) - 1000 (1)	unit will look after this unit also unit will look after this unit also	2,500/- 950/- 3,450/- 50/- 300/-
L ML + 19 14 2 Juli - Misc - 1 2 Juli - Misc - 1 2 Juli - Cli - 60 M. Misc - 1 2 Juli - Misc - 1 2 Juli	unit will look after this unit also unit will look after this unit also	2,500/- 950/- 3,450/- 50/- 300/- 200/-
L ML + 19 14 2 Juli - Misc - 1 2 Juli - Misc - 1 2 Juli - Cli - 60 M. Misc - 1 2 Juli - Misc - 1 2 Juli	unit will look after this unit also) unit will look after this unit also Expenditure : Postage and Stationery unit block after this unit also Power and Fuel unit block after this unit also Transport and Conveyance & Handling Consumable Stores (Yarn)	2,500/- 950/- 3,450/- 50/- 300/- 200/-
d mileta (a. 2 gil - 100 - 1 2 di meti 2	<pre>unit will look after this unit also) if i</pre>	2,500/- 950/- 3,450/- 50/- 300/- 200/- 400/-
L Mi - 19 1 2 Jil - 19 1 - 19	<pre>unit will look after this unit also) if i</pre>	2,500/- 950/- 3,450/- 50/- 300/- 200/- 400/-
d mileta (n	unit will look after this unit also) and this unit also) and this unit also) bit do this unit also consumable Stores (Yarn) bit do this unit also	2,500/- 950/- 3,450/- 50/- 300/- 200/- 400/-
Lander (1997) 2017 - 1997 1003 - 1997 1003 - 1997 1003 - 1997 1005 - 1997 1005 - 1997 1005 - 1997 1005 - 1997 1005 - 1997 1005 - 1997 - 1005 - 1005 - 1005 - 100	unit will look after this unit also and this unit also bill and the state of the state o	2,500/- 950/- 3,450/- 50/- 300/- 200/- 400/- 950/-
d mi eta ja 2 gi i ante i 2 gi i ante i 2 di eta di eta ja 2 di eta di	unit will look after this unit also Postage and Stationery Power and Fuel function of the unit block of t	2,500/- 950/- 3,450/- 300/- 200/- 400/- 950/- 2,250/-
al nel + 11 and 2 gel - 12 an	unit will look after this unit also and this unit also bill and the state of the state o	2,500/- 950/- 3,450/- 50/-

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دې د د د د د د د د د د د د د د د د د VIII. Total Investment : (Matar and again a shi mara 50,000/-, ... Land and Building 63,000/-(i) (ii) Machinery and Equipment New Joyne 198 - 198 - 198 - 19.950/-(iii) Working Capital for 21 months (M. 1. rogan'l have 1932, 950/- V ÷., 31-21 State (1) IX. Manufacturing Cost P.M. (i) Working Capital 1 P.M. $\{ e_{ij} \}_{i=1}^{n}$ 525/-(ii) Depreciation on machinery @ 10% 167/-(iii) Depreciation on building @ 5% on 4000 (A.A.) 259 Mag X.T. COMMONDANCE V. 1,662/-17 Interest @ 15% (iv)/max 100 % been web - 1 8,904/-; ! that a colora By Sale of 2500 Kgs. B. F @ 2.50 Kg. somers at 37 burn 1, 56,250.00 X. Receipts : By Sale of 8750 Kgs. M.F. @ Rs. 0.80. Kg. - 01-. More the state of the second state of the se 14.250-00 150 - 911 XI. Profit : Receipts Manufacturing cost - 1112 Profit.: 5,346-00 P.M. a. 1. 字等,在元回出从《【A 28. SCHEME FOR KISAN RICE MILL 1, 1, It is demand based Industry which can be set up in tribal . 007 areas where there is power supply. White it is a supply I. Introduction magnifield on the shear of II. Land and Buildings (own or rented) Rented Rs. 75/- P.M... Land (area) Building (area) III. Machinery and Equipment : Total Rate Rs. Rs. 1 (7,500/-¹⁰¹ 101 101 101 107,500/-²¹ and polishing) with 5 H.P. Motor etc. 250 Kgs. (O) Leave the mining W Kisan Composite Unit (i. e., Dehusking 201 Assumption as a smealed 500/per hour. (a) Erection and electric installations. Sec tomail 100 (b) Office furniture etc. and others 8,000/--. -- 100 . .

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Recurring Expenditure :	
IV. Raw materials required (P.M.)	
No raw material is required as in	t is servicing TT-1
V. Salaries and Wages (P.M.)	
Operator (Self)	Rs.
Assistant	al State for the first grant 200/-
	2011 1 1 1 1 1 1 5 - 50/-
VI. Other Miscellaneous Expenses (P.M	.) (10. 250/-
Postage and Stationery	
Power and Fuel	. 10/
Repairs and Maintonon and Maintonon	
Repairs and Maintenance Miscellaneous - Rent consumable	lestores etc. 40/-
i i i i i i i i i i i i i i i i i i i	150/-
Working Capital (months)	250/-
Raw materials	
Salaries and wages	250/-
	· · · · · · · · · · · · · · · · · · ·
Miscellaneous Expenses	
adaji ni njeri sa kata kata na sa	
III. Total Investment :	500/-
Machinery and Equipment	
Working capital	8,000/-
· · ·],	
51 · · · ·	······································
X. Manufacturing Cost (P.M.):	0,500/-
Working Capital (One month)	Chine Grand Chine A Drawth Chine State 500/-
Depreciation on machinery 10	or called a source of the sour
Interest 12%	AU 12:56-1
- (((-)) ·	 Water Provident State Provident State (%) Water Provident State (%) Water Provident State (%) Water Provident State (%)
•	655/-
	· · · · · · · · · · · · · · · · · · ·

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and an arrest of X. Receipt: Rs By dehusking of paddy @ Rs. 2/- per 1,000/-By definishing of participation $250 \times 8 \times 25 \times Rs. 2$. 100 Kgs. of Paddy *i.e.*, $250 \times 8 \times 25 \times Rs. 2$. W SUBW · · · · 7 XI. Profit and Loss 1,000/- Receipts as per mean A
 Manufacturing cost as per head IX⁽¹⁾ provided to conflocable of 655/-57 345/-Profit per month : lean ann ann<u>ac</u>t ŗ South a star of constants in 29. SCHEME FOR MANUFACTURE OF POWER LOOMS FABRICS I. Introduction indicating market potential and manufacturing (brief) II. Land and Building (own or rented) · Carta A. A. f S SHOLD NOR $10 \, \mathrm{GeV}$ Land (area) 4-11-2 Building (area) 53'×12' - recent of the as 107. III.⁽¹⁾ Machinery and Equipment Total Rate Nos. ------Rs. Name of the machinery Rs. Regd. S1.No. CONTRACTORY 1: Power looms of 56' reed space 2. Loom Motor 1 HP starter switch etc. 2.175 4,350 3. Loom accessories sets 1,600 200 8 · . . . · 4. Loom bearing with flanged (M. J. L. Gargel at Takes 1,500, ; 5. Winding machine 3.000 (a), Erection and electric installation including S.T. 2,000 (b) Office furniture SOA 1.5. 123,700 07. 11.2 and the second of the second of the second IV. Recurring Expenditure : Raw material required Grey yarn 32, 20s and 40s count at X with or a plant 800 Rs. 21/- per Kg. on an average at 3 Kgs. Repeated to prove sounds 80 shift for 25 Days sizing and transport packing. of per loom per day of single 4,030

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Rs. 250/-
2.30/-
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- 500/-
240/-
990/-
990/-
*
10/-
80/-
100/-
200/-
مىرى بىرى بىر بارىخى ئەر
4,030/-
990/-
3 90/ -
5,410/-
· · · · · · · · · · · · · · · · · · ·
-
23,700/
23,700/ 16,230/
39,930/-
39,930/-
11:
elativ I.
5,410/
5,410/
330/
5,940/-
3 ,940 ,
7,200/
7,200/ 5,940/
1,260/
1 1 260/

30. BRICK AND TILES MA	NUFACTURING
I. Introduction : Suitable Clay is ava Products.	ilable with local demand for the
II. Land and Buildings: Building shed $30' \times 60' = \text{Rs. } 2,500/\text{-}$	n of general weather all the decay of the
Building shed 30" × 100 III. Machinery and Equipment :	De se se se se se
SI No. Name of Machinery	Nos. Rate Total Regd. Rs. Rs.
 Wooden Brick Moulds (1990) Wooden Tile moulds 	12 50 50 50 60 A
 Masons Tools (1991) Tools and equipment for water drawing and 	
 Bullock carts with bulls Construction of Batte (Country Type) Erection and Ele. Installation and Office Fu 	1,500 urniture etc. 200 4,620
IV. Raw Material required (P.M.) 14400 Cft. Red earth Tank silt of 500 Cart I Fuel (Firewood or Paddy husk 250 Cart los	Loads 3,000
V. Salaries and Wages $(P,M.)$: Solution of $\mathbb{R}^{1,2}$ and $\mathbb{R}^{1,2}$	<pre>the first sector for the first sector for the</pre>

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20 BRICK AND TILES MANUFACTURING

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VIII. Total Investment Contraction and Equipment	Rs.	Rs.
Machinery and Equipment Working captial	4,620 8,500/-	13,120
IX. Manufacturing Cost:	- -	
Working Capital :	*** ** 8,500 **** ;	<u>.</u>
Depreciation on machinery @ 10%	38	
Interest @ 10% X. Receipts :	- 167	ا میں ایک ایک ا ا
By sale of 2,20,000 bricks per month @ Re XI. Profit and Loss :		
Could 1. Receipts as per Head X	11,000	
102 2. Manufacturing cost as per head IX ;		
Profit per month	· · · · · · · · · · · · · · · · · · ·	
~~ · · ·	.:2,300	
31. KHADI INDUSTRY (COTTON : KH	HADD FOR DEVELOP	MENT
Général Preamble :	LAREA	

Among the essential human requirements cloth being next to food, production of cloth with natural fibre such as cotton, silk and wool has got significant bearing on the rural economy of the country. It is well known that with our all efforts to reduce the pressure on land, it remains to be a fact that even by the end of Fourth plan population will still depend on the land/agriculture and the whole economy of the country

Now in the present context of tribal development in the Agency area, the position of involvement of tribal people remains the same as overall position of the country. Of course the means and methods adopted by the tribal in cultivation of the country which do not give any advantage of including in cultivation may be traditional type which do not give any advantage of improved methods of agriculture which have been adopted in plains and other places, thereby restricting their income which do not raise their living condition from the subsistence level or below subsistence level. More so because, agriculture being what it is, say for example that it has totally to depend on the vagaries of nature and that it does not provide them any gainful subsidiary employment during the off season, the tribals have remained in the present condition as nomads.

Keeping this background in view, if we think of creating any anvil for ushering these tribals into a study, decent and main stream of Indian life, the only solution should be through the process of involving them intermediate life, the only solution should be through the process of involving them into production system, industry which do not

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impose sudden change for their social structure, non it strains their primitive technical skills but create psychological improvement under Khadi programme, we can ensure that they maintain their individuality and create a sense of partnership rather than converting them into labourers in other programmes. While they are engaged in Khadi production work, they can very well attend to their agricultural work, without disturbing either of the two.

On this analogy, the Dhebar Committee, Elwin Committee and the Ashok Mehta Committee have stressed the need for development of Khadi in rural India and particularly with reference to development of tribals. The need of the country in relation to our rural economic backwardness is production by masses and not mass production. โอนก่ากกับเกิด

- Children Million

A THE SECTION OF

Organisation :

Before going into the details of the scheme enumerated below, it is suggested that there should be a proper organisation to carry this programme to the best advantage of Most suited set up would be a block level cooperation, Registered institution registered on the lines envisaged by the Commission under Industrial Development Programme.

Availability of Raw Material and Infrastructure :

The cotton is grown abundantly in Adilabad district and also in plains as well as in foot hills of Srikakulam, East Godavari and Visakhapatnam districts. Khadi institutions in Srikakulam district are getting their red cotton from tribals only and with the help of research wing at Agricultural University. Sri M. Kodandaramaswamy of Srikakulam has developed some new strains of white cotton to be grown on the slopes and foothills which is converted into Andhra Fine Khadi. So also a Khadi institution (Z.G.S.S.Mandali) from Kakinada has already introduced Khadi work in Rampachodavaram, Addateegala blocks but could not do any effective work due to lack of finances planning required initially, to attract the tribals into this programme. Still the climate is created and in these places viz., Srikakulam East/West Godavari Districts and Adilabad the Khadi work can be immediately started by picking out the people among tribals who have been either associated. With the programme or trained in spinning on N.M.C. charkha. This will form the nucleus of the programme. 00-000

Demand/Marketing :

As cloth is next to food and also unique traditions built up in Andhra, among all the southern states, khadi produced in these areas will be locally consumed. Stress should be given on the local consumption as this will appeal to the minds that they can produce and show their requirement be self sufficient. Over and above whatever remains can be sold anywhere in Andhra Pradesh with pride that it is produced by our tribals.

Implements and Process: The Khadi and Village Industries Commission itself will supply the N.M.C. One unit consist of 25 charkhas and 10 other pre-processing implements. One such unit will engage 35 persons under spinning and 20 persons under

weaving. One unit of N.M.C. will produce 10 kgs! of yarn per day of 30/32 metric count. This yarn in turn will produce 60 Sq. Metre of plain cloth. Thus, one unit of N.M.C. with 10 looms (This combined unit is called Rural Textile centre) will employ 55 persons in production system and another 2 or 3 persons in supervisory capacity. The earning capacity of persons engaged in spinning process will be from Rs. 1.50 to Rs: 2.50 per day and weaver will get about Rs. 4 to 5 per day.

ondele stad & one being a **Scheme for 1 Unit**um O redould off a genture intract and states of the end of the states for a state of the states of the states of the trace of the interpretation of the states of the the contraction of the section of an analysis of the section of the section of the section of the section of the I. Employment :

(a) Spinning process to again (b) Weaving process currence currence additional and a contraction of the currence of : noim ... Standing (c): Supervisory and him of Bluow (m 19) boling let M Some Programme.

II. Equipments : Solity of Rose Material and Infrastructure : (a) One N.M.C. Unit of 25 charkhas with pre-processing unit of a second (b) + 10 looms with accessories with piptule to the multiplicity of the statistic to the III. Targets of Production : A start of the former of the per annum. (a) production of yarn (hanks):30/33s. ci doid60,000 hanks (b) Cloth Club of rou blue and storiet 12,000 \$q. Mts. Septimina . (A) Capital Investment : 11 for india to the second exercise contract of the legence of the second exercise contract of the se mi : Wall I manufalle 233 Schold of City in the (a) N:M.C. Unit will cost round about inclusive, of the fitter of the fi (a) transportation, installation and fittings of electricals operated pre-processing machines etc. incidental most in a most in 30,000-00 and a sub-child commonly benefits been of the sub-child grant. DBC PED

(b) 10 looms and accessories (improved pooms): - 2013, 11 - 10,000-00 (b) to rooms and accessories (improved agoment. Ship, if there is the second state of the second state of

(Note :--- For tribals the capital expenditure on initial equipments as stated above will be provided by Khadi and Village Industries Commission on 75% grant and 25% loan, the transport and installation charges should be met by agency. For construction of sheds the land should be procured free of cost and the above س assistance will be in the form of 50% grant and 50% loan),

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This	s will be cent per cent interest free at present.
(5)	Durchase of raw material @ 25% of anticipated
	and duction
(11)	Working capital for production @ 40%
(ii)	Working capital for production @ 40% W.C. for retail sale @ 40% and a with the data and the second s
(in)	Processing @ 5%
	W.C. for retail sale @ 40% state with the fiber of the fi
(C) Other	Assistance :
(a)	 Training : Spinning. (i) Rs. 15/- per trainee for 6 months for spinners only (25) as stipend. Rs. 2,250.00
	(i) Be 15/- per trainee for 6 months for spinners
ALC: CONT	 (i) Rs. 15/- per trainee per month for six months to (ii) Rs. 15/- per trainee per month for six months to (iii) Rs. 15/- per trainee per month for six months to
	(iii) Rs 15/- per trainee per month for six months to
	(ii) Rs. 15/- per trained per mana Rs. 2,250:00
	in encounting consist only or
(b) Res	ettlement of weavers in case of hecosofts stance: @ Rs. 1,000/- per weaver family under Rs. 10,000.00
assi	stance: @ Rs. 1,000/- per weaver family under ning to weavers should only apply. Rs. 10,000.00
	For calary T A /Contingency etc.
(c) _ Mar	agerial assistance : For salary rule, assistance 3,000/- per year for 5 years, in case no assistance
	the further subject to terms and conditions
This	WILL DE LUCIDEL SUDJOUR DE L'ANDRE SUDJOUR DE SUDJO
(This	rom Khadi and V.I. Commission and conditions s will be further subject to terms and conditions the Commission.
This of ¹¹	
This of ¹¹	ructure of Production and trading results :
This of ((D) Cost st	ructure of Production and trading results :
This of ((D) Cost st	ructure of Production and trading results : st of 60,000 Rs. hanks/yarn 2,000 kgs.
This of ((D) Cost st	ructure of Production and trading results : st of 60,000 Rs. hanks/yarn 2,000 kgs. Wages to spinners Rs. 9,000.00
This of ((D) Cost st	ructure of Production and trading results : t of 60,000 Rs. hanks/yarn 2,000 kgs. Wages to spinners Wages to pre-processors Rs. 2,800.00 Rs. 2,780.00
This of ⁽¹⁾ (D) Cost st (a) Cos (i) (ii)	ructure of Production and trading results : st of 60,000 Rs. hanks/yarn 2,000 kgs. Wages to spinners Wages to pre-processors Supervisory charges Name of the spinners Rs. 2,780,00 Rs. 2,770.00
This of ⁽¹⁾ (D) Cost st (a) Cos (i) (ii) (iii)	ructure of Production and trading results : st of 60,000 Rs. hanks/yarn 2,000 kgs. Wages to spinners Wages to pre-processors Supervisory charges Name of the spinners Rs. 2,780,00 Rs. 2,770.00
This of (1) (D) Cost st (a) Cos (i) (ii) (iii) (iii) (iv)	ructure of Production and trading results : it of 60,000 Rs. hanks/yarn 2,000 kgs. Wages to spinners Wages to pre-processors Supervisory charges Repairs and replacement Rs. 2,780.00 Rs. 2,770.00 Rs. 2,440.00 Rs. 2,440.00 Rs. 2,440.00 Rs. 21,310.00
This of (i) (D) Cost st (a) Cos (i) (ii) (ii) (iii) (iv) (v)	ructure of Production and trading results : st of 60,000 Rs. hanks/yarn 2,000 kgs. Wages to spinners Wages to pre-processors Supervisory charges Repairs and replacement Repayment of capital expenditure loan Repayment of capital expenditure loan
This of (1) (D) Cost st (a) Cos (i) (ii) (iii) (iii) (iv)	ructure of Production and trading results : at of 60,000 Rs. hanks/yarn 2,000 kgs. Wages to spinners Wages to pre-processors Supervisory charges Repairs and replacement Repayment of capital expenditure loan Repayment of capital expenditure loan Cost of raw material Rs. 9,000.00 Rs. 2,800.00 Rs. 2,770.00 Rs. 2,440.00 Rs. 21,310.00 Rs. 40,700.00
This of (1) (D) Cost st (a) Cos (i) (ii) (ii) (iii) (iv) (v) (v) (vi)	ructure of Production and trading results : it of 60,000 Rs. hanks/yarn 2,000.kgs. Wages to spinners Wages to pre-processors Supervisory charges Repairs and replacement Repayment of capital expenditure loan Cost of raw material Rs. 40,700.00 Rs. 40,700.00
This of (1) (D) Cost st (a) Cos (i) (ii) (ii) (iii) (iv) (v) (v) (vi)	ructure of Production and trading results : it of 60,000 Rs. hanks/yarn 2,000.kgs. Wages to spinners Wages to pre-processors Supervisory charges Repairs and replacement Repayment of capital expenditure loan Cost of raw material Rs. 40,700.00 Rs. 40,700.00
This of 11 (D) Cost st (a) Cos (i) (ii) (iii) (iv) (v) (v) (vi)	ructure of Production and trading results : st of 60,000 Rs. hanks/yarn 2,000.kgs. Wages to spinners Wages to pre-processors Supervisory charges Repairs and replacement Repayment of capital expenditure loan Repayment of capital expenditure loan Cost of raw material Rs. 9,000.00 Rs. 2,780.00 Rs. 2,770.00 Rs. 2,440.00 Rs. 21,310.00 Rs. 40,700.00 Rs. 40,700.00
This of ¹¹ (a) Cost st (<i>a</i>) (<i>ii</i>) (<i>iii</i>) (<i>iii</i>) (<i>iv</i>) (<i>v</i>) (<i>v</i>)	ructure of Production and trading results : st of 60,000 Rs. hanks/yarn 2,000.kgs. Wages to spinners Wages to pre-processors Supervisory charges Repairs and replacement Repayment of capital expenditure loan Repayment of capital expenditure loan Cost of raw material Rs. 9,000.00 Rs. 2,800.00 Rs. 2,770.00 Rs. 2,770.00 Rs. 2,440.00 Rs. 21,310.00 Rs. 40,700.00

(d) Sale value @ Rs. 5/- per metre.

. . . . Rs. 60,000.00

However the costing of each variety of cloth is specified in the Cost chart approved by Certification Committee of Khadi and V.I. Commission from time to time and prices will be computed as per cost chart.

As Khadi is considered as no profit and no loss basis the rebate/subsidies given by the Government through Khadi & V.I. Commission are to be passed on to the consumer by reducing the price of end product here, cloth suitably. Whatever balance remain from the margins earned after meeting the trade/establishment expenses are to be capitalised/appropriated to various funds such as price fluctuation building, bad debts and artisans benefit fund and should not be spent without prior sanction of Khadi and Village The Phone HO C

32 PROFILE FOR A BAMBOO DOMESTIC ARTICLE AND BASKET MAKING UNIT IN THE TRIBAL AREA IN THE DISTRICTS OF MAHABOOBNAGAR, KURNOOL AND PRAKASHAM

General :

Bamboo is a versatile, fibrous plant widely available in the reserve forests of the State and used in the fields of Industry, Agriculture and Commerce.

Availability of Raw-Materials :

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Bamboo is available in plenty in Mahaboobnagar, Kurnooland Prakasam Districts. There are wide forests in the districts covering Nallamalai range of hills and in the Districts of East Godavari. West Godavari Adult in the Districts This of East Godavari, West Godavari, Adilabad, Warangal, and Khammam. Bamboo is used in Industries, like, Paper, Card Board making, low cost housing etc. Its uses in the village economy is wide The Board making, low cost housing etc. Its uses in the village economy is wide. The Bamboo is used for Basket making containers, Store drums, household articles mate hard and for Basket making containers, Store drums, household articles, mats, handicrafts making etc.

· . · There is concentration of tribal labour force in the above districts at the following : Mannanoor in Mahaboobnagar District Transfer to the source allam places : Mannanoor in Mahaboobnagar District - Vatavarlapally, Pencheruvu and Srisailam

in Kurnool District and Bairluty in Prakasam District.

The centres will be pilot centres for the entire Chenchu inhabited tribal area and pa^{ve} or the growth of more centres in entire belt for way for the growth of more centres in entire belt for creating employment to tribals. Demand and Marketing : the system of the second second

The proposed Centres being established amidst thick forest coups have the advantage ting the Bamboo raw materials at about 25 % of the set of t of getting the Bamboo raw materials at about 25% of its original cost in urban areas. The coal baskets are needed in greater quantity in coal. The coal baskets are needed in greater quantity in coal mine areas and also in other mines. The basket carriers are also needed in Hydro Electric normal areas and also in other mines. The basket carriers are also needed in Hydro Electric Project, Srisailam. All the Godowns of Food Corporation of India required Bamboo met d of Food Corporation of India required Bamboo mat flooring. In addition to this heavy

demand every household in neighbouring urban areas and plain villages requires bamboo made containers, carrier, Baskets, mats etc. The products can also be marketed through Girijan Co-operative Corporation Branches.

Extensive and Senormous quantity of Bamboo reserve forests are grown in these areas by forest Departments. The Government may allot certain portion of the forest depending upon the quantity to be utilised by the proposed production centres. This will enable the proposed centres in tribal areas, to get the raw materials at a nominal price; so that articles produced will be cheaper than the ruling market price and easily marketed. ene e ·

33. SCHEMES FOR KORA GRASS MAT WEAVING

I. Introduction :

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Kora Grass mat weaving is an important village Industry in Tamilnadu, Kerala, Andhra Pradesh, Karnataka and Bengal, where the grass is available. Varieties of mats are woven. The finest of them come from Pattamadai in Tamilhadu. Superior Kora Grass mats find market all over the country. They are exported also. . . .

II. Process of manufacture :

Artisans purchase Kora grass from agriculturists, process them and weave on simple looms manufactured locally. There are regular contractors also supplying fibre simple looms manufactured locally. There are regular contractors also supplying fore to artisans and purchases their mats. It is a traditional industry not requiring special training. Younger generation of weavers learnt it from their parents.

III. Assumptions :

(iv)

Assumptions:		: 25 and 300
 No. of working days per month and year No. of working hours per day Subs Unit 	•	: 25 and 500 : 8 hours : 7500 mts.
3 Annual Capacity of the Onic		: Rs. 2/-
4 Daily wages of artisan	,	

IV.	Ca_{j}	pital .	Investment.		· .	· · · · · · · · · · · · · · · ·	rented		
		$\begin{pmatrix} a \end{pmatrix}$	Land Building	}	Work will be building. Are	carried on my a: 1200 Sq. f.	t. ::	· -	ł
	•	(c)	Machinery		2 D a 1/5/a	per loom (25)	Rs.	1,875	-11
•	 , <i>.</i>	(i)	Mat weav	ing 100 schine	for stitching ed	ges of mats.	Rs.	1,000	 بر ۲۰۰۰ میری
	•• • • •	(ii)	Sewing ma		for stitening of	s, Balance,	Rs.	300	
		(iii)	Miscelland	2043 -		13 j 11	Rs.	325	-

Dying vats etc.

Packing, Transport etc.

			212	
D.	Workin	ig Capital:		1
	(i) (ii) (iii)	Raw-materials Salary and Wages Miscellaneous		Rs. 15,375 Rs. 17,400 Rs. 1,500
· ''	• • • •			
		s, <i>i.e</i> , W.C. Requirement	,	R s. 8,500
		of manufacturing cost per	annum:	• • •
(a)	Raw -n	naterials :	,	
		Kora Grass: 1 Kg. per l day at Rs. 1.50 per Kg. Yarn 30 gms., per loom Rs. 10 per Kg. Dyes 25 Paise per mat	Rs. 11,250 Per day at	
(<i>b</i>)	Salaries	s and Wages :	· · · · · · · · · · · · · · · · · · ·	R s. 15,375
· · ·	(i) (ii)	Salary of Manager-cum- Instructor at Rs. 200/- P Wages of 25 Weavers at]		
(c)	Miscella	aneous :	and the second sec	- Rs. 17,400
(<i>d</i>)	-(ii) (ii) (iii) Overhea (i)	Interest at 4% (C	Rs. 1,250 Rs. 250 Rs. 300	- R 's. 1,800
		$R_{s. 8,500} = R_{s. 10,250}$	pital :	· · ·
	(ii)	Depreciation at 10%		Rs. 410
VI.		anufacturing cost :		Rs. 350
VII.	Selling 1	Price :		Rs. 35,235
VIII,	1. N Profit	dat on loom per day it Rs. 5/- per mat.	75000 mts.	Rs. 37,500

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Profiles for a Kora Grass Mat Weaving

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General :

Kora Grass mat (Tunga Mat) Industry is introduced to the Yenadi tribals in the District of Nellore, by Andhara Pradesh Adimajathi Sevak Sangh. Many tribals were trained in Tunga mat weaving and they are making a living out of this trade in Nellore District. This weaving is also practised in the districts of Prakasham and Cuddapah by tribals.

Availability of Raw Materials :

There are 5 important varieties of Kora grass, which are used for mat weaving. It grows in wild in Ponds, Lakes, low lying swamps and saline lands, where no other culti-Vation is possible. This grass is available in Chela in Bhadrachalam in Khammam District and some other places, Udayagiri Taluk in Nellore District; Kandukur and Kanigiri in Prakasam district. The harvesting season of the grass is in September to October and February to March in the years on 2 spells.

Proposed Centres:

The Industry is suitable for the tribals living in plain areaslike Yenadi, Yerukula and some Nomadic tribals like Puchaguntala. The mats are used in every household for squating, and sleeping purposes.

Variety of mats with colour and design can be made out of this grass. There is possibility of starting production centres in the following places, where tribals are living:

	Nellore District.	
Siddapuram	Bapatla, Guntur District.	
Kanakadrinagar	Prakasham District.	
Chinna Avalapadi		
	Cuddapah District.	
Anavampalli		

Demand and Marketing :

There is good demand in all villages and urban areas of the State for the Kora Grass mat. There cannot be any difficulty in marketing. The following scheme may be implemented, where there is concentration of 30.

artisans. The plain tribals may be trained first and employed in production centres for working Kora grass mats.

34. SISAL

PROFILE OF SISAL FIBRE PRODUCTION AND ROPE MAKING CENTRES IN VISAKHAPATNAM, SRIKAKULAM AND EAST GODAVARI DISTRICTS

Sisal is a leaf fibre. It is available in the districts of Rayalaseema where it is grown as a protection for the fields on fencings. It is also grown wild in the forests of

Visakhapatnam and Srikakulam districts and also grown in the districts of East Godavari and West Godavari. A strong fibre can be extracted from the stocky leaves by water retting and also by mechanical extraction. The fibre is used for making strong ropes and it has got a greater resistance to micro organisms of sea water and widely used as marine curdeges. It is also used for the manufacture of hessians, sacs, carpets and base for floor mattings, sarshes legs and novelty article makings. Its bi-products are also used

Demand :

Most of the Sisal leaves available in the forest and plain lands are not exploited or Fibres and it is going as waste in Andhra Pradesh. Most of the requirements of Sisal is being imported as the Fibre available in the country is insufficient for our needs. Only in Penukonda in the district of Ananthapur the fibre is exracted both mechanically and fby water retting. There is great demand for the Fibre in Bombay, Madras and Calcutta markets and also for indigenous rope making in Agriculture and Commerce.

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Financial Requirement :

A meagre sum of Rs. 10,000/- for capital expenditure and a sum of Rs. 6,250/for working capital is sufficient to run Sisal Fibre Production Centre for Fibre extraction.

Raw Material and Infrastructure Requirements :

About 20,000 Plants are required to feed a Respedor machine for 250 days. The machine is run on 5 H.P. power or diesel engine. It is estimated that about 25 watered leaves are available for each plant. A matric ton of leaves per day can yield 30 Kg. of white and bustican Fibre per 8 hours day of extraction.

Extraction of Fibre :

The leaves are fed by hand to the mouth of Respedor which is a Cylindrical drum are at a speed of 900 R P M having respedor which is a Cylindrical drum are rotating at a speed of 900 R.P.M. having steel blades. When the leaves are fed they are scraped between the rotating blades and fixed roller. The leaves are with after half the position is scraped and reintroduced to scrap the remaining position. The Fibre thus extracted is washed in water and dried in open yard. The process require strength and

Two schemes, one for extraction of Sisal Fibre and the other for making Ply yarⁿ ones. out of the Sisal Fibre extracted are crede and the other for making Ply yarⁿ and Ropes, out of the Sisal Fibre extracted are enclosed. Fixed Capital

i.	Mechanically fed respador machine with diesel engine.	<i>Rs.</i>
2.	Puckets, Knives, drying and other equipments.	9,000
3	Temporary shed	500
· · · · ·		500

Working			
Manufac	turing cost per annum (250 Days)		
<i>(a)</i>	Raw Materials		2 500
	 Royalty for Sisal Plants Labour charges for cutting and transporting of leaves 	Rs. Rs.	2,500 3,750
		Rs.	6,250
	Wages for extraction		
r, * . • • • •	 (1) Operator. Rs. 6/- Per day (2) Helpers. Rs. 4/- each per day Rs. 14 × 250 	Rs. Rs.	3,500 2,000
(C)	Fuel and oil charges Rs. 8/- per day	Rs.	500
(<i>d</i>)	Repairs and maintenance		
(e)	Miscellaneous	Rs.	1,200
5,000	Rent, contingencies etc.		• • •
Other Cl	arges:	Rs.	
970,15	1. Interest on Rs. 15,000 at 10%		2
1,0, A	 Depreciation 10% on machines and 20% on shed and 	Rs.	1,100
	equipments	Rs.	16,050
îs û	··· ·		
Selling P	rice:	Rs.	20,625
,	"At Rs. 2,750/- per Ton7-50 tons.	Rs.	4,575
de H.	Net profit Scheme for 2-Ply Yarn Making (Sisal)	. <i>•</i>	• ••• • •* •
	Scheme for 2-Ply xain man-	· · · · .	``
I. Intro In	oduction: Southern India sisal is spun like Coir and 2 Plies are made. demand for mat weaving, rope making and general typing purp	Such	nlies ar
in good	demand for mat weaving, 201		x

twine. Sisal fibre is purchased from local merchants and fibre producing workers. It is carded and spun on coir wheel type charkhas. No training is required for carding or spinning. The second secon •

spinning. The processes are in vogue for a pretty long time.

III. Assumptions : 2.1 1) No. of working days per month and year 25 and 300 \/ 2) No. of working hours per day . . 3) Annual Capacity of the Unit 8 hours 4). Daily wages of artisan 11.40 tons. 1. 27 1 Rs. 2/-IV. Capital Investment Star The Lat Û. Spinning is generally done in the open during fair A. Land season. During the rainy season work is carried B. Building on under shed obtained on rental basis. C. Machinery and equipment 60. . 11 (i) Carding machine (power driven), (1) (ii) 1. H.P. Electric Motor with Switch, Starter and wiring 1.200 (iii) Coir spinning wheel type charkhas (10) at Rs. 200/- each 1.000(iv) Rope making machine (1) 2,000 (v) Packing, transport and installation expenses ·' ·. (D) Working Capital: 5,000 (i) Raw-materials 24,000 (ii) Salary and Wages Rs. 20,000 (iii) Miscellaneous Rs. 1,800 Rs. 46,200 Rs. 4 Turnovers, i.e., W.C. Requirement

Rs.

300

500

V. Estimate of manufacturing cost per annum Rs. 11,500 Raw-materials; (a) (i) Sisal fibre: 4 Kg. per charka per day ÷. Rs. Rs. at Rs. 2/- per Kg. Salaries and Wages; 24,000 (b) 24,000 (i) Salary of a Manager-Cum-Instructor • ; at Rs. 200/-permonth ·. . (ii) Wages of 30 artisans at Rs. 2/- per day. 11. J.J. 2,400 and the second second 18,000 Rs. 20,400

Second Sec. (c) Miscellaneous : Rs. 1,250 (i) Rent and contingencies 250 (ii) Repairs and renewals Travelling expenses 2 to the formation of a 300 1,800 ~ Rs .: -(iii) (d) Qver heads : (i) Interest at 4% (Capital Expenditure Loan Rs. 2,500 + W.C. Rs. 10,500) Rs. 520 500 Depreciation at 10% _____ hy Rs.... 1.020 (ii) M. q. Get and managebA-r scheme and Re-47,220 in the second and the second the second the VI. Manufacturing Cost : VII. Selling Price : the Get metalizers here fores if the first of the · 20 -14.5.011.21 38 Kg. Yarn per day (Wastege 7%) and at quantum of the resident Rs. 51,300 Rs. 4.50 per Kg. yard. Rs. 4.080 .51 ٤. VIII. Profit: 35. MANUFACTURE OF ADDA LEAF PLATES Introduction : Adda leaf is a minor forest produce available in Tribal areas. At present the Girijan Cooperative Corporation has got the monopoly over the Adda Leaf purchases in the areas. The public who are in the habit of manufacturing Adda Leaf plates will purchase leaves from the Corporation for onward production activity. This is a good subsidiary occupation for those ladies and children who got a few hours of spare time and skilled full time job for those who got plenty of leisure. Generally this activity is taken up by ladies and children. It is proposed to provide full time employment to 43 tribal ladies and children. This will go a long way in improving the economic condition of the tribals. 1. 1. 1. 2. . . . I. Land and Buildings (own or rented) Rs. 20,000 Land (area) 0-50 Cents Building (area 20' \times 40' the factorization of 800-00 II. Machinery and Equipment 4 Nos. (a) Erection and electric installation is sufficiently in the second 200-00 500-00 (b) Office furniture etgeneme and any dense wallend the standard 1,500-00

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III. 1	Raw materials required (P.M.)			
 •	Raw Adda Leaf 6 M.T. 0.400 Np; per J Broomsticks Packing	Kg.		Rs. 2,400-00 25-00
	×		•	25-00
		$C \in X(t_1)$	Rs.	2,450-00
v. s	alaries and Wages (P.M.)		÷	
	One Manager-Cum-Accountant Rs. 250, 40 skilled workers piece rate Rs. 2/- pe (for 25 days in a month)(with each worker One Helper Rs. 100/- P.M.	-P.M. er 100 Leaf pl	ates	250-00
	One Helper Rs. 100/- P.M.	making 150 p	lates a day)	3,000-00
21.	One Watchman Rs. 100/- P.M.			100-00
			- · · ·	
<u></u>	hav Mine De		Rs.	3,450-00
. 01	her Misc. Expenses (P.M.) Postage and Stationery	··· . 	e la <u>p</u> e	Rs. 20-00
	Power and Fuel			10-00
	Transport and Conveyance		·· · · ·	50-00
• .	Miscellaneous Rent Consumable stores etc.	· · ·	en Notes d'	· · · · ·
		· .	· · ·	20-00
I. W	Corking Capital (Months)		Rs	. 100-00
·,.	Raw materials Salaries and Wages Misc. Expenses	-	· · ·	Rs. 2,450-00
II. 7	"otal Investment			3,450-00
, • ;	Land and Building Machinery and Equipment Working capital (Please work out for 3 me	onths)		100-00 20,000-00 1,500-00 18,000-00
-		•	otal Rs.	18,000- 39,500-

VIII. Manufacturing Cost (P M.):	
Working capital (one month)	6,000-0 0
Working capital (one month)	13-00
Depreciation on Machinery 10%	404-00
Interest 15% Depreciation on building 5%	83-00
	6,590-00
· · · · · ·	

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IX.	<i>Receip</i> By	ts : sale of 1,50,000 leaf plates Rs. 5/- per 100 plates	7,500-00
X . <i>P</i>	1. 2.	nd Loss : Receipts as per Head IX Manufacturing cost as per Head VIII Profit per month	7,500-00 6,590-00 910-00

36. OIL EXPELLOR

I. Land and Buildings (own or rented) Own

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1.	 Land (area)	1.5 acres		Rs. 8,000	. <i>*</i>
	Building (area) Godown	80' × 40' 60' × 40'	3,200 2,400		
			5,600	@ Rs. 22/-	1,23,200
'				•	

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II. Machinery and Equipment :

<u>Sl.No.</u>	Name of machinery	Nos.Reqd.	Rate Rs.	Total Rs.
 2. 40 3. De 4. Bo 5. Fit 6 Ere 	pellors complete H.P. Electric Motor Starter etc. curtication with 30 HP iler ter press ection and electric installations	2 Nos. 1 No. 1 No. 1 No. 1 No. 5% 5%	15,000 20,000 15,000 15,000 5,000	30,000 20,000 15,000 5,000 4,250 4,250 4,250
	ieght and Insurance xes @ 5%			97,750

		22) j			
	Recurring Expendition	ure:	. GM Service			
$\mathbf{III}_{i,,Ra}$	w. materials required(PM)			- ·	
$\lambda \in \{$			A Contraction	41.	Rs	
60 Juli 1 Juli	per day from 25 day	75	quintai 20 quinta	ls	1 40 000	
	$(280 \times 20 \times 25 =$	Rs. 1,40,000)	1947 A. A. A.	19	1,40,000	
ist and	•		Total R	- -	1 40 000	
	alaying and Hr.	a mad		-	1,40,000	
	alaries and Wages (P			· · · · ·	21 - 1	
··· ·	Manager Mechanic	1 No.24@]	Rs. 400/- P.M.	di de la co	400	
	Acçountants	110.(a)	KS. 300/_ D xr	1. Vro 1. 1. 1	300	
	Skilled workers	$\frac{2}{4}$ Nos @ 1	Rs. 300/- P.M.		600	
	Unskilled labour	10 Nos. @	Rs. 150/- P.M.C	2 Plants T	60 0	
9 Q F	Watchman	1 No. @	Rs. 100/- P.M.		1,000	
	•	U	Rs. 100/2 P.M.	en de la <u>sec</u>	100	
	. ,	50516923	Tota	l Ŕs.	3,000	
V. Othe	r Misc. Expenses (M	P			`	
	Postage and Station		$\mathcal{X}_{1,2} \subset \mathcal{Z}_{2,2} \subset \mathcal{Z}_{2,2}$	1	· ·	
	Power and Fuel	ery			200	
	Transport and Con	Wevance			2,000	
	Miscellaneous rent	consumable sto	india 100	· . · · ·	1,000	
M. C.	1 - C - S - A	- Duri	ies elc.		2,000	
		~		-	5,200	
VI. Wor	king capital (Months	5)		-		
	Raw materials	در بر ا				
с., т	Salaries and wages			···.	1 40 000	
(1955)	Misc. Expenses		•	- - -	1,40,000	
7 M	L.(ander ander ander State ander	3,000 5,200	
	(a. 1977). 1		200 States 64			
VII. Tot	al Investment	ina. Marina	THE	1	1,48,200	
	Land and Buildings	· · ·		•	i ci	
	Machinery and Equi				- 	
07.2.4	Working Capital (D)	Pment	stoppillant of	en 1945 - Salagar	1,31,200	
111111	Working Capital (Pl	ease work out	for 2 monthes	en al anti-	97,750	1
ŝ.Ţ				6 (Q) ·	2,96,400	
· · · ·					5,25,350	
			•	_		

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59	a Cost (P)	۸	: denoit et.	a ana ang a	Rs R
VIII. Manu	facturing Cost (PM orking capital (one		1		. 1.48.200
Wo	rking capital (one	:month)			- 815
·	magnetion on mag	IIIIELA IO/0			
Da	preciation on buil		171.	::::: ! ¶	6,56,8
Int Int	erest 15%		or stand	un di kasari Mangalah di	
• • • • •		sti sera v		Yoso C	1,56,330
	-		: · · · 5·	4	
X. Receipt	s Sale of Groundnu	a and a solution of the	Wernal C.		•
BV BV	Sale of Groundnu	toilat 45% of the	al.	rail to to JT	.8 1,57,500
wei	Sale of Groundhu ght 225 quintals	Rs. 700 per quint $\frac{1}{2}$	~nnnn1916		
Oil	$Cake - 52\% 01^{-1}$	Kerman	1 -		26,000
	Rs. 100/- per quint	tai		ti tug niti	1 83 500
<u>_</u>					.,,
		ture fo	er per til i	ian indi	.51
, int	~	a start in raise no	n do tr	ner og ne Y	
K. Profit ar	id Loss:	allesser to rath to	1 Contractor	್ಷ.ಕ. ಇ. ಎಲ	1.83,500
1	Receipts as per l	nead IX	; • • • • • • • • • • • • • • • • • • •	1929 - L. 1999 M	1,56,330
	ICONP	ast og her head	VIII	्राज्यतः योगीः	
	Manufacturing c	Ost as per	al she i se si	a a constant	
2.	Receipts as per l Manufacturing c		Profit	per month :	<u>.ð1</u> 27,170
					<u>.81</u> 27,170
57.60					. <u>ð1</u> 27,170
•		EDI MANUFAC			
55.60 16.010,9	37. BE	EDI MANUFAC	TURING U	NIT	<u>61</u> 27,170
	37. BE	EDI MANUFAC	TURING U	NIT	and difference
	37. BE The unit is to be a	EDI MANUFAC	TURING U a rented bu	NIT ilding the initial stag	and difference
(a) (b) (b)	37. BE The unit is to be a Artisan labour to	EDI MANUFAC accommodated in b be engaged; 20 1 a month; 25 days	TURING U a rented bu nembers at t manufactur	NIT ilding the initial stag	and difference
00.23 0.33 0.81 (ssumptions (a)	37. BE The unit is to be a Artisan labour to	EDI MANUFAC accommodated in b be engaged; 20 1 a month; 25 days	TURING U a rented bu nembers at t manufactur	NIT ilding the initial stag	and difference
(a) (c) (a) (b) (c)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per	EDI MANUFAC accommodated in b be engaged; 20 r a month; 25 days r head periday.	TURING U a rented bu nembers at a manufactur	NIT ilding the initial stay ing	ana di Sara
(a) (c) (a) (b) (c)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per	EDI MANUFAC accommodated in b be engaged; 20 r a month; 25 days r head periday.	TURING U a rented bu nembers at a manufactur	NIT ilding the initial stay ing	ge.
(a) (c) (a) (b) (c)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per ag Expenditure :	EDI MANUFAC accommodated in b be engaged; 20 r a month; 25 days r head per day.	TURING U a rented bu nembers at t manufactur	NIT ilding the initial stay ing	ge.
Lost Add (a) (b) (c) Von-Recurring	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per og Expenditure :	EDI MANUFAC	TURING U a rented bu nembers at t manufactur	NIT ilding the injtial stag ing	ge. 1,500.00 100.00
UDEE P.29-0.81 (a) (b) (c) Von-Recurrin (a)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per og Expenditure : Cost of Batti com Beedi measuring	EDI MANUFAC	TURING U a rented bu nembers at t manufactur	NIT ilding the injtial stag ing	ge. 1,500.00 100.00
(a) (b) (c) (a) (b) (c) (c) (a) (b) (b)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per ag Expenditure : Cost of Batti com Beedi measuring Spender 4 Nos.	EDI MANUFAC	TURING U a rented bu nembers at t manufactur	NIT ilding the injtial stag ing	ge. 1,500.00 100.00
(a) (ssumptions (a) (b) (c) Non-Recurrin (a) (b) (c)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per ag Expenditure : Cost of Batti com Beedi measuring Spender 4 Nos.	EDI MANUFAC	TURING U a rented bu nembers at t manufactur	NIT ilding the initial stat ing	ge. 1,500.00 100.00 200.00
(a) (b) (c) (a) (b) (c) (c) (a) (b) (b)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per og Expenditure : Cost of Batti com Beedi measuring	EDI MANUFAC	TURING U a rented bu nembers at t manufactur	NIT ilding the initial stat ing	ge. 1,500.00 100.00 200.00
(a) (ssumptions (a) (b) (c) Non-Recurrin (a) (b) (c)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per ag Expenditure : Cost of Batti com Beedi measuring Spender 4 Nos.	EDI MANUFAC accommodated in o be engaged; 20 r a month; 25 days r head periday.	TURING U a rented bu nembers at t manufactur	NIT ilding the injtial stag ing	ge. 1,500.00 100.00 200.00
(a) (ssumptions (a) (b) (c) Non-Recurrin (a) (b) (c)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per ag Expenditure : Cost of Batti com Beedi measuring Spender 4 Nos. Furniture	EDI MANUFAC accommodated in o be engaged; 20 r a month; 25 days r head per day. struction tools One table One table One Chair	TURING U a rented bu nembers at 1 manufacturi	NIT ilding the initial star ing	ge. 1,500.00 100.00 200.00 500.00
(a) (ssumptions (a) (b) (c) Non-Recurrin (a) (b) (c)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per ag Expenditure : Cost of Batti com Beedi measuring Spender 4 Nos. Furniture	EDI MANUFAC accommodated in o be engaged; 20 r a month; 25 days r head per day. struction tools One table One table One Chair	TURING U a rented bu nembers at 1 manufacturi	NIT ilding the initial star ing	ge. 1,500.00 100.00 200.00 500.00
(a) (b) (c) Non-Recurrin (a) (b) (c) (d)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per g Expenditure : Cost of Batti com Beedi measuring Spender 4 Nos. Furniture	EDI MANUFAC accommodated in o be engaged; 20 r a month; 25 days r head) per day. Struction tools One table One table One Almirah One Chair Stools 4 Nos. ng Tobacco and L	TURING U a rented bu nembers at 1 manufacturi	NIT ilding the initial star ing	ge. 1,500.00 100.00 200.00 500.00 200.00
(a) (b) (c) Non-Recurrin (a) (b) (c) (d)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per g Expenditure : Cost of Batti com Beedi measuring Spender 4 Nos. Furniture Boxes for pressin	EDI MANUFAC accommodated in o be engaged; 20 r a month; 25 days r head pers day. struction tools One table One Almirah One Chair Stools 4 Nos. ng Tobacco and I	TURING U a rented bu nembers at a manufactur	Initial stag	ge. 1,500.00 100.00 200.00 500.00 200.00
(a) (b) (c) Non-Recurrin (a) (b) (c) (d)	37. BE The unit is to be a Artisan labour to Working days in 1000 beedies per g Expenditure : Cost of Batti com Beedi measuring Spender 4 Nos. Furniture Boxes for pressin	EDI MANUFAC accommodated in o be engaged; 20 r a month; 25 days r head pers day. struction tools One table One Almirah One Chair Stools 4 Nos. ng Tobacco and I	TURING U a rented bu nembers at 1 manufacturi	Initial stag	ge. 1,500.00 100.00 200.00 500.00

Recurring Expenditure for (2) Months :	,	¢	У У Т	Rs
1. 300 Kgs. of Tobacco yield	ds beedies of 12.	.5 lakh be	edies	3,000.00
2. Beedi leaf	• •			2,825.00
3. Rough paper lable	•		7	1,000.00
4. Wages @ t.4.60 per 100) beedies		•	5,750.00
5. Payment of Bonus				500.00
6. Central excise duty				750.00
7. Expenditure on Managen	nent and salaries t	to the emp	loyees 👘	750.00
6. Ring or Langoti	• • •		• ,	750.00
9. Threads				65.00
10. Transportation charges				75.00
11. House Rent				100.00
12. Bhatti expenses (fire wo				100.00
13. Transportation charges	for sales of been	dies	· · · ·	200.00
14. Gunny bags	· · · ·	~		200.00
15. Gum paste and packi	ng expenses	5	., 7 -	500.00
16. Unforeseen expenditur	e.		,	55.00
· · · · · ·		-		16,650.00
Maral Expansion		.*		
Total Expenses				
Non-Recurring Recurring expenditure	3,000.00 - 16,650.00		•	
	19,650.00			۰.
Total working capital for (2 Interest on working capita	2) months l and capital inve	estment	· · · · · · · · · · · · · · · · · · ·	16,650.00
— Rs. 12% p.a.	. · · ·			40.0
λ	. •	·	F	17,050.0
Profit for 2 months	17,707.0 17,050.0			

657.00

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Profit for one month Rs. 328-50

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38. BAMBOO SPLINTS FOR AGARBATTHIS AND BAMBOO CHICKS

I. Introduction

It is Forest based and ancillary Industry for agarbatthis manufacturing Industry. Sufficient bamboo is available in agency areas of East Godavari District.

II. Land and Buildings (own or Rented)

Rented Rs. 75/-

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Land (area) Building (area)

III. Machinery and Equipment

C Machinery	Nos. Reqd.	Total
I.No. Name of Machinery		Rs.
 Circular saw 12" with 1 HP Motor Bamboo Stitching Machine Chapping Machinery Chapping Machinery 	10 Nos. 40 Nos.	3,000/- 4,000/-
4. Blow Lamp and other hand tools etc.	•	1,000/
 (a) Erection and electric instantage (b) Office furniture, etc. 	Total.	8,000/-
. Raw Materials required (PM)		
Bamboo 300 Nos.	•	300/-
Bamboo soo raa	Total.	300/-
	· · · ·	Rs.
Salaries and Wages (PM)		200/-
1. Manager 100/ PM 13		1,300/-
1. Manager 2. Workers @ Rs. 100/- PM 13	Total.	1,500/-
· · · · · · · · · · · · · · · · · · ·	Rs.	
I. Other Misc. Expenses (PM)	10/-	· · ·
Postage and Stationery.	35/-	
and HUEL	25/-	Ň
The apport & Converter	75/- 15/-	
Miscellaneous - Rent Consumable stores etc.	Total.	160/-

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	224		
VII. Working	g Capital (Months)	Rs. 1. La	
Raw Sala Mise	v Materials ries & Wages c. Expenses	300/- 1,500/- 160/-	•
		1,960/- or Total	. 2,000/-
VIII. Total I			· · · · · · · · · · · · · · · · · · ·
Wo	chinery & Equipment tking Capital (Please workout for months)	8,000/- 4,000/-	
 		4,000/- 	. 12,000/-
IX. Manufac	cturing Cost (PM)		. 12,000/-
Ŵo	rking Capital (One month.) preciation on machinery 10%	rR's. 2,000/ 170/- 150/- 1. 52;220/-	
	Tota	ul	· · ·
,	Sale of 1800 Kgs. of Splints @Rs. 1 1800 × 1.50 =	1.50/- per Kg. 3,050/-	
XI. Profit at			
	Receipts as per head X Manufacturing cost as per head IX Profit per month.	480/-	· .
. 39. S	CHEME FOR DAIRY FARM	WITH 5 (FIVE) BUF	FALOES
() 11 Q.00	to row urran she buffaloes (Civi	_	Rs.
			15,000
kee	st of the one temporary shed with ping feed etc. st of dairy equipment such as buck		1,104
4, Cos	st of dairy equit	1001 10r	500

(B) 1.	Feeding charges for	r 3 milk animals giving	g 8 Kgs. of milk	Rs. 8,250/-
·	on an average 4 Kg	$s. + I_2 Kg$ manning	ince comes to 5 mg.	
2.	Per day $5 \times 5 \times 3$ Labour charges - fo	r 1 labour @ Rs. 80/-1	ber month	- 960/-
3.	C. 1	for 10 acres of land @		<u>,</u> 600/-,
	per acre.		- 	250/-
10 ()	Contingencies and	Incomes provide	Total.	10,060
00,900 00,900	- , ,	01		
(*) ⁿ		ANTICIPATED RE	CEIPTS	- <u>-</u> - 7
60,00((C) 1.	By sale of 1200 Kg.	of milk produced by b	nuffalces at 8 Kgs. Rupees: two only	Eta de C
	average per day for	J00 amj = ()	s as a Million for the se	24,000
00.26	Anticipated receip	t for the year by sale of	1200 Kgs. Or mink	24,000
.00 . 00	() @ Rs. 2/- per Rg.	for the 3rd year by sale	of 1200 Kgs. of milk	
00 .3 03 De 261	Te o	nd sale of 1 beirters on	eadable age Rs. 1,000/-	25,000
m).021	$(\mathbf{Rs. 2/- per Kg. a)}$ ($(\mathbf{Rs. 24,000} \ @ 1,00)$)0 + 25,000)	Total.	73,000
۰				· ; ; ; ; ; ; ; , , , , , , , , , , , ,
			- E TIOTS	
Working	Scheme for Revenu	e and Expenditure fo	r S years	Rs:
· · · · · ·	Interest on capital	t of Dr. 17	,104/-	6,672
(1) 20.00	@ 13% for 3 years	5. P 10.06	0/-per year	30,180/
6.0 .2 9 67: 66	Total expenditure	s. For 3 years @ Rs. 10,06	Total.	36,852
(\mathbf{f})			R s. 73,000/-	с ,
(4) (4) 기억 (4	m tol receipts for	3 years	Rs. 36,852/-	
	Total expenditure	for 3 years Net Profit.	Rs. 36,148	· · · · · · · ·

40. SCHEME FOR POULIKI
 (1) Introduction indicating market potential and
 00.00 manufacturing process (Brief)

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(2) Land & Building			•	
Land (area)	550 sq. yards		Own	land
, Building (area)	25 yards			· · · ·
(3) Machinery and Ec	luipment :			n particular An Electrica
	- 11 (B) - 11	, ι	Rs.	Rs.
1. Breeders		4 Nos.		440-00
2. Chick Feeders		25 Nos		750-00
3. Chick waterer		30 Nos.	30/- each	210.00
4. Feeders		60 Nor	//- each	
5. Adult Waterer		60 Nos. 25 Nos	30/- each	750-00
6. Egg Laying nests	्र २	25 Nos. 25 Nos.	30/- each	1 000 00
Erection & Electric Installat	tions		40/- each	1,000.00
		the second	- 1 1 - 51	
I. Poultry shed with 20 @ Rs 10/- per fact	0 sq. ft. for 1000			3
@ Rs. 10/- per feet. II. Egg. room & Office	- 一般なる - 一般	· · · ·		20,000.00
III. Office Furniture etc.			A second	4,000.00
mee running etc.	· ; ·		1 7 4 4 .	1,000.00
IV Electric Fitting with				· · · · · · · · · · · · · · · · · · ·
IV. Electric Fitting with	Material		`	900.00
IV. Electric Fitting with	Material	., <u> </u>	·	800.00
IV. Electric Fitting with	Material	···· *	Fotal (1997)	800.00
IV. Electric Fitting with Recurring Expenditure :	0% towards North			800.00
 IV. Electric Fitting with Recurring Expenditure : Chicks 110 (Allowing 1 Rs. 3.75/- each. Feed & Medicines (Rs upto 6 month of age Salaries & Wages (Upto 4. Litter Blectricity Transport & Conveyar Water Postage and stationery 	0% towards Narli 5. 11/- per bird 2) 6 months)) *****:	800.00 30,750.00 4,125.00 12,770.00 1,800.00 300.00 200.00 100.00 75.00
 IV. Electric Fitting with Recurring Expenditure : Chicks 110 (Allowing 1 Rs. 3.75/- each. Feed & Medicines (Rs upto 6 month of age Salaries & Wages (Upto 4. Litter Blectricity Transport & Conveyar Water 	0% towards Narli 5. 11/- per bird 2) 6 months)			800.00 30,750.00 4,125.00 12,770.00 1,800.00 300.00 200.00 100.00 75.00
 IV. Electric Fitting with Recurring Expenditure : Chicks 110 (Allowing 1 Rs. 3.75/- each. Feed & Medicines (Rs upto 6 month of age Salaries & Wages (Upto Litter Blectricity Transport & Conveyar Water Postage and stationery V. Total Investment : Machinery & Equin 	0% towards Narli 11/- per bird 6 months) nce			800.00 30,750.00 4,125.00 12,770.00 1,800.00 300.00 200.00 100.00 75.00
 IV. Electric Fitting with Recurring Expenditure : Chicks 110 (Allowing 1 Rs. 3.75/- each. Feed & Medicines (Rs upto 6 month of age Salaries & Wages (Upto 4: Litter Blectricity Transport & Conveyar Water Postage and stationery V. Total Investment : 	0% towards Narli 11/- per bird 6 months) nce			800.00 30,750.00 4,125.00 12,770.00 1,800.00 200.00 200.00 100.00 75.00 17,570.00
 IV. Electric Fitting with Recurring Expenditure : Chicks 110 (Allowing 1 Rs. 3.75/- each. Feed & Medicines (Rs upto 6 month of age Salaries & Wages (Upto Litter Blectricity Transport & Conveyar Water Postage and stationery V. Total Investment : Machinery & Equin 	0% towards Narli 11/- per bird 6 months) nce			800.00

Distribution of Feed from one day old chicks to laying :

I Month		Rs. 750.00
II Month		1,250.00 1,250.00
III Month IV Month		2,250.00
V Month		2,250.00 2,270.00
VI Month VII Month ¹	: .	2,250,00
VII Month'	Total :	12,770.00
	-	o

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Profit and Loss Account

A) Expenses :

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ii)'	Feed	and	Medicines	•

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A) Ex	penses	:	'Rs.	4,125.00	e '''	
i)	Chic		1.00			۰.
ii)	Feed	and Medicines				•,
	(i)	Chicks and Grower	Rs.	12,570.00 42,000.00	. 53	54,570.00
· · ·	- (ii) (iii)	Layer (12 months) Litter	K 3.			700.00 600.00
	(iv)	Electricity		.1 .		200.00
	(v)	Water				5,400.00
·	(vi)	Salaries and wages				700.00
	(vii)	Mise. Expenses				670.00
	(viii)	Depreciation on equipr	nent 10%			2,400.00
	(ix)	Depreciation on buildin	1g 10%			4,977.00
	(x)	Interest on capital			Total :	70,217.00
					د.	

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B) Receipts	- all net Diru 240 K	2,40,000	Rs. 79,200.00
(i)	By sale of eggs 240 per hundred) Eggs. (Rs. 33/- per hundred) By sale of old Birds (1000) Rs. 7/- per bird		6,650.00 300.00
(ii) (iii)		Total :	86,150.00

	22	28		. •
	Receipts Expenses :	n CONSLEECSE SELEN€	l trens	86,1,50.00
	Net Surplus Including I			70,217.00
	41. SCHEME FOR CYCLE			
I. Intre	oduction indicating market potential of with increased by	ind manufactor	(cies)	а :
	With increased bus fare many peo cycles. The Cycle Taxi shops can profitably.	ple have started using therefore run successful)
II. La	nd & Buildings (Own or Rented).	-		
	Land (Area)		558	S. and a S.
III. M	Building (Area) Rented shop achinery & Equipment	· ·		Rs. 50.0
Sl.No.	Name of machinery.			
1.	12 Atlas cycles @ tage to the	Nos. Regd. Ra	te Rs.	Total Rs.
2.	 (a) Erection and Electric installati (b) Office furniture, etc. 	。 《中市的社会	(1) 233 (1) 233 (1) 236	3,960.00 50.00
		11 have e	(ive Eco	_
	Recurring Expenditure :	Tot	al. (** 31. (**	4,010.00
IV. Ra	In I fade		im (in	2
·	Spokes, spare parts and Misc. item aries & Wages (PM)	entration of the second s	ist Der	so 00
**** *	- Self Helper			150.00 40.00
VI. Of	her Migo Trail and an	, ,	Fotal, Sta	
	her Misc. Expenses (PM) X	and use 012 and the	(i) By	1969
	Power & Fuel Postage & Stationer Transport & Conveyance Miscellaneous-Rent Consumable stores, etc.	(0001 10.00		
63, A.A.		50.00 30 30 30 and	a.u. (n	60-00
* • • • •				

	229	
VII. Working Capital (Months)	Rs.	Total Rs.
Raw Materials	50.00, 150 (1997) 190.00 <u>Andrew Market</u> (1997)	-
Misc. Expenses	<u>60.00</u>	300.00
VIII. Total Investment.		: ** .
Machinery & Equipment	4,010.00	
Working Capital (Please work out for 1 month)	300.00 - Constant (20.00 - 20.00) 	4,410.00
IX., Manufacturing Cost(PM)		
Working Capital (One month) Depreciation on machinery 10% Interest 10%	40.00	
By sale of hire @ 1/50 each cycle per day for 12 cycles and for 30 da	(128) production from the Constant of the second se	
By Repairing Rs. 3/- for 30 days		
XI. Profit & Loss	Rs. 630.00	¢ ,
(1) Receipts as per head X	and the second	· · · ·
c staring cost as per he	Rs. 250.00	
(2) Manufacturing cost as per he	Ks. 250.00	
 (2) Manufacturing cost as per he (3) Profit per month (0) 	IG AND LAUNDRY SERVICE	(Brief)

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239		
II. Land and Buildings (Own or rented)	· · · · · · · · · · · · · · · · · · ·	y 19
Land (Area)		
	Rs. 100/-	,
III. Machinery & Epuiqment.		_
S.No. Name of Machinery		Total
1. Furniture show Cases	Section of the sectio	3,000/-
2. Three Ironing Tables Rs. 150/-each	кт. У Х	450/-
3. Three Irons 150/- each		450/-
4. E:ection and Electric Installations		200/-
5. Office Furniture etc.		
		4,100/-
Recurring Expenditure :		
IV. Raw Materials required(PM)	Nil	
V. Salaries & Wages(PM)		
1. Manager Cum-Iron Man (Se		
2. One Assistant Iron Man	lf)	150/-
3. One helper		150/-
- · · ·		100/-
		400/-
VI. Other Misc. Expenses (PM)		
Postage & Stationery		1
Power & Fuel	1004	
Trnasport & Conveyance	100/-	
Misc. Rent	20/- 100/-	
Consumable Stores etc.	100/-	
	1001-	320/-
VII. Working Capital (Months)		
		• .
Raw Materials		
Salaries & Wages	400/-	
Misc. Expenses	320/-	
		720/-

23	1
595 100	 An example of the second se Second second sec
VIII. Total Investment :	
Machinery & Equipment	4,100/-
Working Capital (Please	2,160/-
work out for 3 months)	6,260/-
work out for 5 montally	
IX. Manufacturing Cost (PM)	
Working Capital (One month)	720/-
Working Capital (one and 10%	10/-
Depreciation on Machinery 10%	58/- 788/-
Interest 14%	780/-
Y Benelit	
X. Receipt : By serving like Ironing of Synthet	ic Fibre clothes for
100 clothes at 25 ps. per cloth per c	lay. 25/-
(1) () 200 Cotton cloth washing at 8 ps. p	er pieces after
giving 12 paise for washerman.	16 per day
giving 12 rate	
0.0^{-1}	Rs. 1,230/- per month.
De Colle Tong	
\mathbf{x} \mathbf{x} \mathbf{y}	R s. 1, 230/-
1. Receipts as per head X	Rs. 788/-
 Manufacturing cost as per head 	
	Rs. 442/-
3. Profit per month	
	TCAT SHOP (SMALL)
43. SCHEME FOR ME	(DICAL SHIEL C
instal a	na munujuota no 1
I. Introduction indicating market potential a As there is good demand for medic	ines, it is proposed to set
As there is good using	
The Adical Shop.	
a Medical Shop	
up a Medical Shop. II. Land and Buildings (Own or Rented) United at Rs. 100/- p. Duilding (area)	

III. Machinery & Equipment

A DE ANAL STATE SI.No. Name of machinery (191, 5 Nos.Reqd. Rate 'Rs. Total Rs. $\sim_{\text{Oot}} \infty$ Refrigerator and accessories (a) Erection and electric installations. (b) Office furniture, etc. (show cases, tables, chairs etc.) 2.500.00 7,000.00 Total: $\{y_i\}_{i=1}^{T}$ 1.1.1 Recurring Expenditure 9. 1) · · · · · · · · · · · · · IV. Raw Materials required (PM) 5 ÷, Various types of Medicines 2.1 V. Salaries & Wages (PM) 10,000.00 Helper (One) Reparatelian. 1. GPT 150.00 The aight P. C. Store in 23 Total : 550.00 VI. Other Misc. Expenses (PM) 19 1 1 011 1.18 -Postage & Stationery ding a Power & Fuel 50.00 Transport & Conveyance 50.00 Miscellaneous-Rent 1 - A A America Are 100.00 Consumable stores etc. 100.00 50.00 a last Total : 350.00 VII. Working Capital (Months) Raw materials Salaries & Wages 10,000 Misc. Expenses 550 . 350 Control March March Street - Total; 19 10,900 . VIII. Total Investment. distanta -Rs. Machinery & Equipment Working Capital (Please workout for one 7,000-00 and the constant of the

10,900-00

14) <u>N</u>

400.00

17,900-00

 I. Introduction indicating market potential and manufacturing process (Brief) II. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- III. Machinery & Equipment : No.Regd Rate Rs. Amount Rs. 	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt By Sale of Medicines 12,000.00 XI. Profit & Loss (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the Ioan can be returned within 3 years. Provision is already made for the candidate under col.5.	Working Capital (One month)10,900.00Depreciation on machinery 10%91.00Interest 15%225.00Total :11,216.00X. Receipt12,000.00St. Profit & Loss12,000.00(1) Receipts as per head12,000.00(2) Manufacturing cost as per head IX11,216.00(3) Profit per month784.00XII. Any other Information :As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is	Working Capital (One month)10,900.00Depreciation on machinery 10%91.00Interest 15%225.00Total :11,216.00X. Receipt12,000.00XI. Profit & Loss12,000.00(1) Receipts as per head12,000.00(2) Manufacturing cost as per head IX11,216.00(3) Profit per month784.00XII. Any other Information :784.00As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is	44. SCHE	ME FOR TAILORIN	G SHOP	, · ·	`
 II. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- III. Machinery & Equipment : 	Working Capital (One month)10,900.00Depreciation on machinery 10%91.00Interest 15%225.00Total :11,216.00X. Receipt12,000.00St. Profit & Loss12,000.00(1) Receipts as per head12,000.00(2) Manufacturing cost as per head IX11,216.00(3) Profit per month784.00XII. Any other Information :784.00As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is	Working Capital (One month)10,900.00Depreciation on machinery 10%91.00Interest 15%225.00Total :11,216.00X. Receipt12,000.00St. Profit & Loss12,000.00(1) Receipts as per head12,000.00(2) Manufacturing cost as per head IX11,216.00(3) Profit per month784.00XII. Any other Information :As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 X. Receipt Total : By Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is	44. SCHE	ME FOR TAILORIN	G SHOP	1.1	`
 II. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- III. Machinery & Equipment : 	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest: 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 Sale of Medicines 12,000.00 XI. Profit & Loss 11,216.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 11,216.00 Sy Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	-				
 II. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- III. Machinery & Equipment : 	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest: 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 Sale of Medicines 12,000.00 XI. Profit & Loss 11,216.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 11,216.00 Sy Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	-				
 II. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- III. Machinery & Equipment : 	Working Capital (One month) 10,900.00 Depreciation on machinery 10% ¹¹ 91.00 Interest 15% ¹¹ 225.00 Total : 11,216.00 X. Receipt 12,000.00 Sale of Medicines 12,000.00 XI. Profit & Loss 11,216.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 By Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	-				`
 II. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- III. Machinery & Equipment : 	Working Capital (One month)10,900.00Depreciation on machinery 10%91.00Interest 15%225.00Total :11,216.00X. Receipt12,000.00St. Profit & Loss12,000.00(1) Receipts as per head12,000.00(2) Manufacturing cost as per head IX11,216.00(3) Profit per month784.00XII. Any other Information :780.00 the loanAs the profit envisaged is Rs. 780.00 the loan4can be returned within 3 years. Provision is	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 By Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	-			(Briaf)	
Land (area) Building (area) Rented Rs. 50/- III. Machinery & Equipment :	Working Capital (One month) 10,900.00 Depreciation on machinery 10% ¹¹ 91.00 Interest 15% ¹¹ 225.00 Total : 11,216.00 X. Receipt 12,000.00 Sale of Medicines 12,000.00 XI. Profit & Loss 11,216.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 By Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5.	I. Introduction indicating marke	et potential and manufa	acturing proces.	s (Brief)	
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X. Receipt By Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : 784.00 As the profit envisaged is Rs. 780.00 the loan 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5. 44. SCHEME FOR TAILORING SHOP 1. Introduction indicating market potential and manufacturing process (Brief) 11. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- 11. Machinery & Equipment : X X	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00	Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00	·			-	
X. Receipt 11,216.00 By Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : 784.00 As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5. 44. SCHEME FOR TAILORING SHOP 1. Introduction indicating market potential and manufacturing process (Brief) II. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- 11. Machinery & Equipment : XII.	Working Capital (One month)10,900.00Depreciation on machinery 10%91.00	Working Capital (One month)10,900.00Depreciation on machinery 10%91.00	IX. Manufacturing Cost (PM) Working Capital (One month) 10,900.00 Depreciation on machinery 10% 91.00	Interest 15%		225.00		
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Interest 15%." 225.00 Total : 11,216.00 X. Receipt By Sale of Medicines 12,000.00 XI. Profit & Loss (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5. 44. SCHEME FOR TAILORING SHOP I. Introduction indicating market potential and manufacturing process (Brief) II. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- III. Machinery & Equipment :			IX. Manufacturing Cost (PM)		-	10,900.00		;
Depreciation on machinery 10% 91.00 Interest 15% 225.00 X. Receipt Total : 11,216.00 By Sale of Medicines 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5. 44. SCHEME FOR TAILORING SHOP I. Introduction indicating market potential and manufacturing process (Brief) II. Land and Buildings (Own or Rented) Land (area) Rented Building (area) Rented Rs. 50/-	IX. Manufacturing Cost (PM)	¹ X. Manufacturing Cost (PM)	*	Warking Capital	One month)	10 000 00		
Depreciation on machinery 10% 91.00 Interest 15% 225.00 Total : 11,216.00 X. Receipt 12,000.00 XI. Profit & Loss 12,000.00 (1) Receipts as per head 12,000.00 (2) Manufacturing cost as per head IX 11,216.00 (3) Profit per month 784.00 XII. Any other Information : As the profit envisaged is Rs. 780.00 the loan can be returned within 3 years. Provision is already made for the candidate under col.5. 44. SCHEME FOR TAILORING SHOP I. Introduction indicating market potential and manufacturing process (Brief) 11. Land and Buildings (Own or Rented) Land (area) Building (area) Rented Rs. 50/- 11. Machinery & Equipment : 11.211	The second se		*	¹ X. Manufacturing Cost (1	PM)	15 5 G	1. s	
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		203 T	
	Recurring Expenditure	$\Sigma_{\rm ell}$) and $\gamma_{\rm ell}$ with the 2π	ti X
IV.	Raw materials required PM.	(Inder Office Date in the	Rs.
	Thread, lining cloth and other	Mise.	100/-
		Total :	100/-
V	Salaries and wages per month		
	Self		•
	Assistant (02.000,81		-200/- X
			75/-
		Total :	275/-1-1
VI.	Other Misc. expenses (PM.)	and the second s	
	Postage and stationery	Control and a second strategy of the Bit of the	
	Fuel and power	St. 13th try Devel 1	
	Transport and conveyance		25/-
	Miscellaneous-Rent consumabl	e stores	<u>50/-</u>
	•	e stores	75/-
VII.	Working Capital	化乙酰基 网络根据学校学校学校学校学校学校学校学校学校学校	
	Raw materials	2 Supani - Contractor	
	Butaries and Wages	WE GOT TIME	100/-
	Misc. expenses	Little for the second	275/-
		ton intervent of the second part of the	
VIII	I. Total Investment	(ushing to the Grow Total :	450/-
	Machinery and Equipment		
	Working capital (Please work	Out for a	800/-
IX.	Manufacturing cost (PM).	out for 3 months)	900/
	Working capital (One month)	out for 3 months)	
	Depreciation on machinery 10). 	· · · · · ·
ţ,	ter i i a a a a		450/-
	Prove the second s	an mar nes an mar nes an mar nes	
- ; č			1// -
č	· · · · · ·	n in an	
·		Total :	1711-

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XI. Fre	ofit and loss		Rs.
•	(1) Receipts as per head X	,	600/-
1.1	(2) Manufacturing cost IX		474/-
1 E.J. 11 - 11 J.	Proft per month	Total :	126/-
the state		B. C. C. S. St. R.	
	ny other information	maxment of	
	Net surplus available P.M. for re	Loan	126/-
	• • •	Plus	7/-
ر ، در . 		Total :	133/
(1)-1.5. 	45. SCHEME FO	R PAN SHOP	rief)
1. In 1. La	45. SCHEME FO troduction indicating market potential People are increasingly habituatin smoke cigarettes. The demand fo suitable place of Ideation would colleges, bank offices, bus stops ar and & Buildings (Own or Rented) Land (area) Building (area) (Buddi offices)	R PAN SHOP <i>l and manufacturing process</i> (B ng to chew pans, scented sup or these items is increasing very he near by to hotels, cinema	rief) paries and fast. The theatres
1. In 1. La	45. SCHEME FO troduction indicating market potential People are increasingly habituating smoke cigarettes. The demand for suitable place of Ideation would colleges, bank offices, bus stops are and & Buildings (Own or Rented) Land (area) (Rented) Building (area) (Buddi of Machinery & Equipment	R PAN SHOP <i>l and manufacturing process</i> (B ng to chew pans, scented sup or these items is increasing very be near by to hotels, teinemand busy localities. at Rs. 75/- p.m.	rief) paries and fast. The theatres
1. In 1. In 1. La 11. La	45. SCHEME FO troduction indicating market potential People are increasingly habituating smoke cigarettes. The demand for suitable place of Ideation would colleges, bank offices, bus stops and and & Buildings (Own or Rented) Land (area) (Rented) Building (area) (Buddi of Machinery & Equipment Name of Machinery	R PAN SHOP l and manufacturing process (B ng to chew pans, scented sup or these items is increasing very be near by to hotels, cinema nd busy localities. at Rs. 75/- p.m. r Bunk will be sufficient) Nos.	rief) paries and fast. The theatres
1. In 1. La	45. SCHEME FO troduction indicating market potential People are increasingly habituating smoke cigarettes. The demand for suitable place of Ideation would colleges, bank offices, bus stops are and & Buildings (Own or Rented) Land (area) (Rented) Building (area) (Buddi of Machinery & Equipment	R PAN SHOP <i>l and manufacturing process</i> (B) ing to chew pans, scented sup or these items is increasing very be near by to hotels, cinema and busy localities. at Rs. 75/- p.m. r Bunk will be sufficient) Nos. Ass cups, plates and lotas etc.	rief) paries and fast. The theatres Total: Rs. 1,500.00 400.00

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. 1	Recurring Expenditure :	, 	$(0, \gamma, \beta, t, \tau)$
J.	Raw Materials Required (PM)		
	1. Pan Masala		
	2. Zarda	XI - September Shin	BI/ 300.00
- :n: . 	3. Cigarettes of different br	ands	3,000.00
	 Scented supari Beedies & Cigars 		200.00
	6 Matches	· 1 Lorde	i
126/-	7. Candles (1000)	and the second	100.00
`			50.00
-12			4750.00
V Sale	uries & Wages (PM)		
V . M <i>uu</i>			
-DEPE - 20	(1) Proprietor cum Manager		
-19 - 61 - 7	(1) Proprietor cum Manager (2) Boy assistant intrologi berg film bog as a start	AT THE AND A STATE	350-00
		- (j	/5-00
VI. Oth	er Misc. Expenses (PM) Postage & Stationery	Distanting the State	ans. : (11) 425-00
	Dostade & Stationary	Rs.	Total
· ·	Deverage 0 - The stress of the		• .
	Transport & Convoyant	an a state a state a second	
		25-00	1 Level Inclas
		25-00 1911 Aug	
	Miscellaneous-Rent Consumable stores, etc.	55-00 75 ₋ 00	s olde (17)
	Miscellaneous-Rent Consumable stores, etc.	55-00 75 ₋ 00	s olde (17)
અતે¶્રસ્ટ ,સ્ટાઇસ્ટાર્ગ	Miscellaneous-Rent Consumable stores, etc.	75 ₇ 00 30-00 ≎≣≣i duite	< - olac <u>19</u> 19 - 25 pro 19 - 26 pro 19 - 26 - 26 pro
sha aasa Sectoral VII. W	Miscellaneous-Rent Consumable stores, etc. Yorking Capital (Months)	75,00 30-00 ™ obtained	< - olac <u>19</u> 19 - 25 pro 19 - 26 pro 19 - 26 - 26 pro
sha aasa Sectoral VII. W	Consumable stores, etc. Corking Capital (Months) Raw materials	75,00 30-00 100 -	2 olar 17 11 (2011) (11 (2011) (11 (2011) (11 (2011) (11 (2011) (11 (2011) (11 (2011) (11 (2011)) (11 (2011) (11 (2011)) (11 (
sha aasa Sectoral VII. W	Consumable stores, etc. Corking Capital (Months) Raw materials	15,00 30-00 10-30-00 10-30-00 5-00 (1-0-4)750-00	 alar P. alar P.
sha aasa Sectoral VII. W	Miscellaneous-Rent Consumable stores, etc. Yorking Capital (Months)	15,00 75,00 30-00 100/10 1	 olar 17 olar 17 olar 160-00
od Torrado Sectored VII. W	Consumable stores, etc. Corking Capital (Months) Raw materials	15,00 75,00 30-00 100/10 1	 olar 17 olar 17 olar 160-00
The Free Constant of the Second Secon	Miscellaneous-Rent Consumable stores, etc. Vorking Capital (Months) Raw materials de the Salaries & Wages Misc. Expenses	75-00 30-00 (http://www.selfactore.com/ com/ com/ com/ com/ com/ com/ com/	 oka 11 oka 12 oka 14 ko 160-00 ko 160-00
The Free Constant of the Second Secon	Consumable stores, etc. Consumable stores, etc. Corking Capital (Months) Raw materials defined and Salaries & Wages of the and Misc. Expenses	75-00 30-00 30-00 (b.100) 2004 (b.100) 2004	 olar .?. (1.25. p. (1.25. p.<
The Free Constant of the Second Secon	Consumable stores, etc. Consumable stores, etc. Corking Capital (Months) Raw materials defined and Salaries & Wages of the and Misc. Expenses	75-00 30-00 30-00 (b.100) 2004 (b.100) 2004	 olar .?. (1.25. p. (1.25. p.<
The Free Constant of the Second Secon	Consumable stores, etc. Consumable stores, etc. Corking Capital (Months) Raw materials defined and Salaries & Wages of the and Misc. Expenses	75-00 30-00 30-00 (b.100) 2004 (b.100) 2004	 olar .?. (1.25. p. (1.25. p.<
off (1997) (*1000) VII. W VIII: W (00.00) (00.00)	Consumable stores, etc. Consumable stores, etc. Corking Capital (Months) Raw materials and the stores Salaries & Wages of the store Misc. Expenses Cotal Investment Machinery & Equipment Working Capital (Please wor for 1 week).	75-00 30-00 30-00 100-00 5 00 June 425-00 160-00 160-00 160-00	 olar .?. olar .?. olar .?. color <licolor< li=""> <licolor< li=""> <licolor<< td=""></licolor<<></licolor<></licolor<>
off (1997) (*1000) VII. W VIII: W (00.00) (00.00)	Consumable stores, etc. Consumable stores, etc. Corking Capital (Months) Raw materials and the stores Salaries & Wages of the store Misc. Expenses Cotal Investment Machinery & Equipment Working Capital (Please wor for 1 week).	75-00 30-00 30-00 100-00 5 00 June 425-00 160-00 160-00 160-00	 olar .?. olar .?. olar .?. color <licolor< li=""> <licolor< li=""> <licolor<< td=""></licolor<<></licolor<></licolor<>
 A. T. S. S.	Miscellaneous-Rent Consumable stores, etc. Corking Capital (Months) Raw materials Salaries & Wages Misc. Expenses Cotal Investment Machinery & Equipment Working Capital (Please wor for 1 week).	75-00 30-00 30-00 100-00 5 - 0	 slar .? slar sla
 A. T. S. S.	Miscellaneous-Rent Consumable stores, etc. Corking Capital (Months) Raw materials dig a Salaries & Wages of How dig Misc. Expenses Cotal Investment Machinery & Equipment Working Capital (Please wor for 1 week). Morking Capital (One month Depreciation on machinery difference)	75-00 30-00 30-00 2016 2016 2016 2000-00 160-00 160-00 160-00 160-00 160-00 160-00 160-00 160-00 160-00	 slar .? slar sla
od Toria President VII. W VIII. M 00.000 IX. M 1X. M 10.000	Miscellaneous-Rent Consumable stores, etc. Corking Capital (Months) Raw materials Salaries & Wages Misc. Expenses Cotal Investment Machinery & Equipment Working Capital (Please wor for 1 week).	75-00 30-00 30-00 100-00 5.00 June 425-00 160-00 160-00 160-00 5.335-00 5,335-00 17-00	 slar .? slar sla
od Torono Pressed VII. W VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VII	Miscellaneous-Rent Consumable stores, etc. Corking Capital (Months) Raw materials dig a Salaries & Wages of How dig Misc. Expenses Cotal Investment Machinery & Equipment Working Capital (Please wor for 1 week). Morking Capital (One month Depreciation on machinery difference)	75-00 30-00 30-00 2016 2016 2016 2000-00 160-00 160-00 160-00 160-00 160-00 160-00 160-00 160-00 160-00	 slar .? slar sla
od Torono Pressed VII. W VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VIII. VII	Miscellaneous-Rent Consumable stores, etc. Corking Capital (Months) Raw materials dig a Salaries & Wages of How dig Misc. Expenses Cotal Investment Machinery & Equipment Working Capital (Please wor for 1 week). Morking Capital (One month Depreciation on machinery difference)	75-00 30-00 30-00 100-00 5.00 June 425-00 160-00 160-00 160-00 5.335-00 5,335-00 17-00	 slar .? slar sla

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Ву	sale of goods	Rs. 5,655-00 . <u>20146</u> 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
XI. Profit &	. Loss	True por A Density
	Receipts as per head X	- Rs. 1 5,655-00 Con 14
(1)	a sort as per Head I	X. Rs. 5,393-00 min 100
00-08 (2)		Rs. 32 262-00
(3)	Profit per month	and the second s
VIII Ann	Other Information	og: 77 2 - elsel -2
	tidate will be in a position to	e gurraí todiM
		f sides
-	200/- towards Ioan instante-	and the second state of the
		OT WITH STATIONERY
	test potential and n	nanufacturing process (Drief)
I. Introducti	on indicating market potentiat	ssaries due to the increase of educational. These shops can be located near High
faci Sch	lities and educational install	These shops can be located near High (hour new Orling) Organization 2017 Antiburg of Antiburg C 2017 Antiburg of Antiburg C 2017 Antiburg of Antiburg C
Contration East	d (Area)	
Bui	lding (Area) Rented	Rs. 60-00 Marsh 2 Rate Rs. Total Rs.
	lding (Area) Remed	Rate Rs. Total Rs. 1,800-00 Character Strategy of Stra
	lding (Area) Remea	Rate Rs. Total Rs. 1,800-00 (1990) (1982) (5 100-00 (1993) (1982) (1)X
R a (<i>a</i>)	lding (Area) Rented cks Erection and electric Installations	Rate Rs. Total Rs. 1,800-00 2000 2005 205 100-00 2005 2005 1X 100-00 2005 2000-00
R a (<i>a</i>)	lding (Area) Rented cks Erection and electric Installations	Rate Rs. Total Rs. 1,800-00 2000 2005 205 100-00 2005 2000-00
R a (<i>a</i>)	lding (Area) Rented cks Erection and electric Installations	Rate Rs. Total Rs. 1,800-00 2000 2005 205 100-00 2005 2000-00
Ra (a) (b) Re	lding (Area) Remed cks Erection and electric Installations Office furniture etc.	Rate Rs. Total Rs. 1,800-00 1960 1968 25 100-00 1963 2 1965 1X 100-00 261 2,000-00 100-00 1960 1961 12 100-00 1960 1961 12
Ra (a) (b) Re IV. Raw M	lding (Area) Renied cks Erection and electric Installations Office furniture etc. curring Expenditure : faterials Required (PM)	Rate Rs. Total Rs. 1,800-00 1960 1968 25 100-00 1963 2 1965 12 100-00 260 200 101 12 100-00 1960 1961 12 100-00 1960 1961 12 100-00 1960 1961 12 100-00 1960 1960 1961 12 100-00 1960 1960 1961 12 100-00 1960 1960 1961 12 100-00 1960 1960 1960 1960 1960 1960 1960 19
Ra (a) (b) Re IV. Raw M	Iding (Area) Rented cks Erection and electric Installations Office furniture etc. curring Expenditure : faterials Required (PM) Text Books	Rate Rs. Total Rs. 1,800-00 (2000) 20058 25 100-00 (2005 2005 12 100-00 (2005 2005 2000) 100-00 (2005 2005 2005 2005 2005 2005 2005 2
Ra (a) (b) Re IV. Raw M	Iding (Area) Renied cks Erection and electric Installations Office furniture etc. curring Expenditure : faterials Required (PM) Text Books	Rate Rs. Total Rs. 1,800-00 1960 1963 295 100-00 1963 2,000-00 100-00 1960 1961 19 2,000-00 2,000-00 2,000-00 2,000-00 1960 1960 19
Ra (a) (b) Re IV. Raw M 1. 2.	lding (Area) Renied cks Erection and electric Installations Office furniture etc. Curring Expenditure : faterials Required (PM) Text Books Exercise Note Books & Stationery articles	Rate Rs. Total Rs. 1,800-00 403 3 mers JX 100-00 403 3 mers JX 100-00 403 3 mers JX 100-00 403 3 mers JX 2,000-00 404 404 404 400 400 7
Ra (a) (b) Re IV. Raw M 1. 2.	Iding (Area) Renied cks Erection and electric Installations Office furniture etc. curring Expenditure : faterials Required (PM) Text Books	Rate Rs. Total Rs. 1,800-00 403 3 mers JX 100-00 403 3 mers JX 100-00 403 3 mers JX 100-00 403 3 mers JX 2,000-00 404 404 404 400 400 7

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VI. Other Misc. Expenses (PM)	Rs.	Total Rs.
Postage & Stationery Power & Fuel Transport & Conveyance Miscellaneous - Rent Consumable stores, etc.	10-00 20-00 50-00	
VII. Working Capital (Months)	•	80-00
Raw materials Salaries & Wages Misc. Expenses	4,000-00 100-00 80-00	
VIII. Total Investment		4,180-00
Machinery & Equipment Working Capital (Please workout for 3 months)	2,000-00	
ior 5 months)	12,540-00	
IX. Manufacturing Cost (PM)		14,540-00
Working Capital (One month) Depreciation on machiney 10% Interest 15%	4,180-00 5-00 40-00	
X. Receipt		4,225-00
By Sale of goods. XI. Profit & Loss	5,000-00	
1. Receipts as per head X	^{5,000-00}	i č
 Manufacturing cost as per head I Brofit per manul. 	X. 4,225-00	、
3. Profit per month	775-00	
47. SCHEME FOR CROCKERY AN I. Introduction indicating market potential and		·

duction indicating market potential and manufacturing process (Brief) Glassware and fancy goods are popular in all the sections of the community. There will be a good demand for those products if the latest arrivals are

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II. Land & Buildings (Own or Rented) Land (Area) Building (Area) Rented at Rs. 200/- p.m.

III. Machinery & Equipment

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Sl.No.	Name of the Machinery	Nos. Reqd.	Rate Rs.	Total Rs.
		5 Nos.	500 ⁻ 00	2,500-00
	Show cases One big show case in front of the counte	er 1 No.	1,000-00	1,000-00
	One big show case in from of the of the	6 Nos.	25-00	150-00
	Stools	2 Nos.	300-00	600-00
. :	Fans			150-00
	(a) Erection and electric installations			
	(b) Office furniture etc.	•	Total :	4,400-00
	Recurring Expenditure			
$[\mathbf{V}. Ra]$	w Materials Required (PM)			10:000.00
	Glassware and Fancy goods	· ·	· · ·	10,000-00
r Sala	ries & Wages (PM)		1-	
v. Sala	One Manager (Self) at Rs. 300/- p.m.	300-00		
	One Salesman at Rs. 200/- p.m.	200-00		
	One boy at Rs. 100/- p.m.	100-00		600-00
	her Misc. Expenses (PM)	- · · · ·	.8	
VI. Oth		R s. 60-00		
	Postage & Stationery	30-00		
	Down & File	50-00		riv,
围	Transport & Conveyance	200-00		
	Missellaneolls - Kell		5.	340-00
	Consumable stores, etc.	,		
		Rs.		Total Rs.
1. 1.777 1.77	Vorking Capital (Months)	10,000-00		
VII. И	Raw materials	600-00		, î
	Raw materials Salaries & Wages	340-00		10,940-00
	Salaries & Henenses	-		or
	Misc. Expenses	•		11,000-00

VIII. Total Investment	i and the second of the second
. Machinery & Equipment	4,400-00
Working Capital (Please workout for 3 months)	11,000-00 united with the 15,000 00
X. Manufacturing Cost (PM).	4.800.00 (5.400-00
Working Capital (One month)	10,940-00
CO-COODepreciation on machinery income	460 od 194. 37-00 0
00-06 Interest 15%	138-00
K. Receipt By Sale of goods	11,115-00 12,500-00
XI. Profit & Loss.	
 (1) Receipts as per head X (2) Manufacturing cost as per head (3) Profit per month 	ad IX. 11,115-00 (N. 9)

SCHEMES FOR CLOTH STORES 48.

(SMALLER SIZE)

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I. Introduction Indicating market potential and manufacturing process (Brief)

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11 (1)

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The scheme aims at purchasing different varieties of cloth from the wholesale ť., . dealers at Hyderabad, Bombay, and Ahmedabad and sell the same to the 11 , Ag (-italia) in the second

ં સ્વાઈટ્ II. Land and Buildings (Own or Rented)

Land (area)

Building(Area)

Rented at Rs. 150/-p.m.

	241			· .
II. Machin	ery & Equipment	2 C	M. , n. 13 gebr	r rush. 71
Sl. No.	Name of Machinery	Nos. Regd.	Rate Rs.	Total Rs.
100 Show	cases	4 Nos.	300/-	1,200-00
-	en racks	2 Nos.	200/-	400-00
(a)	Erection and electric installations	Nº 01	Charles Maria	300-00
(<i>b</i>)		•		200-00
				2,100-00
	 ()()-0***** 		्राम् २०२४ (ए ० :	
Re	curring Expenditure MT back		landin uring	
V. Raw M	aterials, Required (PM)		inon: 159 file	
(Cloth (Both mill as well as handl	loom)		00-000,7 No. 1122
On Pointo On	e Balesman at Rs. 200/- p.m. helper boy at Rs. 80/- p.m.	cili mori lo	nig di si fra	80-00
On Diteitue 	e helper boy at RS. 807- p.m. and "Hannin Presid "Y230 FTC ELENING SELCENSALUOMS	l emeon	(SIAJ ALS	
On OITPITHA M. Other M Contact Inc Pos Statistics Pos Statistics Pos Statistics Pos Tra Mit Statistics Co	e helper boy at RS. 807- p.m. GIA JOHNAL PEERG, VARA TELEBORG (EXAMPLEMENTON fisc. Expenses (PM) rage & Stationery tage & Stationery ver & Eucl. insport & Conveyance scellaneous - Rent nsumable stores, etc. 100 (Serins E'	ноямэ ц зисцализ 2002 - 20 307- 307- 307- 150- 150- 1 мален об	ANTENNES ANTENNESS ANTENNESS ANTENNESS ANTENNES ANTENNES ANTENNES ANTENNES	4.77.43 4.77.43 1977 - 1981 - 19 1976 - 1981 - 19 1976 - 1917 - 1917 1976 - 1917 - 1917 1976 - 1917 - 1917
On DITENTAL M. Other M. Missing Pos Strategy Pos Tra Missing Cos An awade An awade Marat M.	e helper boy at RS. 807- p.m. GIA AMAMAR PEERO, YANG FIL CHANNE FEELS MECHIONE fisc. Expenses (PM) hog Additionary and storm one tage & Stationery wer & Eucl. Insport & Conveyance scellaneous - Rent nsumable stores, etcado fact ins E" and Canital (Months)	L EMRON SUCH AS S SUCH AS S - 000 10 00 - 000 00 - 000 00 - 000 00 - 000 00 00 - 000 00 00 - 000 00 000 - 000 00 000	ABIAN YO G BERNING AND AND AN AND AND AN AND AND AN AND AND AN AND AND AN AND	d. 7. 280-00 .et d. 7. 33 . mai a sec i se . sec a A accus 260-00-a . sec a A
On DITENTAL MI. Other M. Social Pos Social Pos Social Pos Tra Mit Stritos I Cos Mit Stritos I Cos Stritos I Co	e helper boy at RS. 807- P.M. GUA AMAMAR PEERO, TANG FILL CHANNE PEERO, TANG fisc. Expenses (PM) log Additionery tage & Stationery ver & Euel. Insport & Conveyance scellaneous - Rent nsumable stores, etcado for in El additional international of the international international international international international international international international international international international international international international interna	110 MICH AS 2 A HOUR 2 A	ABIAN YO G BIAN YO G ADINA DANA A ADINA DANA A ADINA ADINA A ADINA ADINA ADINA ADINA ADINA ADINA ADINA ADINA ADINA ADINA ADINA ADINA ADINA ADINA ADINA	du 77 143 sumi en egi tas trans en ta tite en ta ten ta tite en ta ten ta tite en ta ten ta tite bi en ta ten bra entite gel taga t ten te ten bra
On DITENTIA I. Other M DUTEL MC DUTEL MC DUTEL Mis Stito. I Co Mis Stito. I Co	e helper boy at RS. 807- p.m. GIA AMAMAR PEERO, TREE FILL CHARGE (EEACH MECHIOHE fisc. Expenses (PM) hog Additionery tage & Stationery wer & Fuel. Insport & Conveyance scellaneous - Rent nsumable stores, etcado for int B" of Capital (Months) of Capit	HOMRA J SALES	A STAN, YI & ANDIN 2023 ANDIN 2023 ANDIN 2024 ANDIN 2024 ANDIN 2024 ANDIN 2024 ANDIN 2024 ANDIN 2024 ANDIN 2024 ANDIN 2024 ANDIN 2024 ANDIN 2024	d. 7. 280-00 .ex d. 7. 33 100 - 12 - 22 - 24 100 - 12 - 22 - 24 - 260-00 - 2 - 27,540-00
On OITFITHA I. Other M. In The Line States Powers Tra Mit Svitas I Con In Svitas I Con In Svitas I Con In Svitas I Con In Svitas I Con In States Sal Mi States I Con Sal	e helper boy at RS. 807- p.m. GIA AMMAN PERSO , YANG FTA CHANNE (EXAL MHELLIOHE fisc. Expenses (PM) rage & Stationery tage & Stationery wer. & Fuel. Insport & Conveyance scellaneous - Rent nsumable stores, etcado facting E of Capital (Months) Materials W Materials W Materials Materials Sc. Expenses sc. Expense Sc. E	номка л 2 к. нона 2 к. нона 2 к. нона 30/100 130/- 150/- 30 ксп-м і 150/- 30 ксп-м і санта і чал санта і чал облади ція 07,000/- за- стабо/- 150/-	ABIAN YOS BERNINS ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES	d. 7. 33
On OITFITHA I. Other M. Internet States Powers Tra Mit States Con Internet States Con Internet States Con Internet States Con Sal Internet Sal Internet Sal Internet Sal Internet Sal Internet Sal Internet Sal	e helper boy at RS. 807- P.M. GUA AMAMAR PEERO, TANG FILL CHANNE PEERO, TANG fisc. Expenses (PM) log Additionery tage & Stationery ver & Euel. Insport & Conveyance scellaneous - Rent nsumable stores, etcado for in E ⁿ of Capital (Months) of Capital	номка л 2 к. нона 2 к. нона 2 к. нона 30/100 130/- 150/- 30 ксп-м і 150/- 30 ксп-м і санта і чал санта і чал облади ція 07,000/- за- стабо/- 150/-	ABIAN YOS BERNINS ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES ADDINES	d. 7. 33

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IX. Manufacturing Cost (PM) Working Capital (One month) Depreciation on machinery 10%	111 117 Rss 119 Rss 18/- 18/- 18/-
$\frac{1}{100} \frac{1}{100} \frac{1}$	120/- Joint 67,678-001
By sale of cloth at 20%	(a) $E^{\text{conjugation}}_{00-000}$ (b) $E^{\text{conjugation}}_{00-000}$
 Receipts as per head X Manufacturing cost as per head IX Profit per month 	0008-0000 (CS
	$(MA) \frac{1}{10000000000000000000000000000000000$
on cocloth can be obtained dimension	V. Salma and H. and P.C.

Cloth can be obtained directly from the mills and wholesale dealers. Handloom cloth can be obtained from the handloom weavers cooperative societies. On shepe boyes R. (0)-p.m.

49. TRAINING IN TRIBAL EMROIDERY, DRESS MAKING, AND ARTISTIC ARTICLES SUCH AS SHOULDER BAGS, PURSES ETC.

The Tribil Embroidered garments are more folk arts which have a popular appeal .17 and good demand both in the country and abroad. Since the export of the articles of the articl this nature has assumed a greater importance in the context of earning foreign exchange Tean Peri & Conveyance

At present, a few tribal women of "Banjara" community are producing attractive articles of decorative and utility in the Tribal Embroidery. Greater skill is shown in These preparation of these embroidered garments established with mirrors and beads. These articles are being marketted through the Lepakshi Handicraft Emporium in the State and some in the Private Sector. The Government of Andhra Pradesh has implemented a training scheme during the year 1974-75 and the scheme is functioning at the Research and Designs Institute, Industries Department, Hyderabad.

As the trade is well popularised and in order to develop the artistic work in the artistic work in the mented. rural areas, schemes for training in the Tribal Embroidery work are to be implemented.

"Banjaras" are well spread in the Twin Cities, Warangar and surrounding areas se places. Further it was noticed that those tribals and surrounding areas "Banjaras are not optimized i win Cities, Warangat and surrounding are of these places. Further it was noticed that those tribals are skilled and hard workers.

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cor Pet	nm	in the Tv	ove, Training so in Cities, Wara istrict.	ingal Town,	Mahabooba	ibad Iq., a	ind Narasam_
101	ີດ້ກວ ນວ່າຈ	taffing pat	tern and probat as follows :	pletexpenditu	re for runr	ing the tra	
4.	Recurring	<u>,</u>					Andrea Grand
	·	Thomas	n 3 @ Rs; 30 30 @ Rs. 100/	- Subena L	• 171 •		30,000 00
	NUT Ingr	etc., 250-	direbyH = 1930	ere lieu di v	innaar.O	he Boying The Lord of T	t con B turi ti Schen
	ne y .cc.	· 01 · 1	to watchman, ses, other @ 500/	water. Elec	tricity	, energian her b	man Charse 50
-:	e Richer Theory	b) Rent	of the building	@ 400/- p.m	•		4,800-00 gaintheast .1
	Raw Ma 00-000.31 00-000Bin 02-005Ro 00-000Me thre	ny cloth d und <u>yariou</u> tal beeds.]	ifferent colours, s sizes, Shells, B Thread Beads, M d Reels of different rs	Mirrors, Squ eads, Metal ukhmul clotl	are & coins , Embroide	roar (1,3 43 € e an (1,30 @ 1 ¥3	
	۷d	1043 00104	tielist ehrenen	iou'r bau	. 11	g Total :	76,000-00
IJ.	Non-Rec	urring;				-4.101 -112 1 0 1012 - 104	
	e plore h	Scissors,	y & Equipment, Needles, Timbal	Sewing Mac le e [†] c.,	hines;	i stille le	〔〕 〔2,400-00〕
	2.	Furniture Seating a	for office, Steel	Almyrah & (rainees 3 Wo	Cash Chest oden Almyr	etc., ahs ^{al tota}	∵ເວີນ ∵ເລີດຄີດີ∎ດດ
	00-000£.	30 boxes	•				
	40-000,68	-	the subject	Tota	I Non-Reci	urring :	8,400-00
	1			bstract :			II. Non-Pice
1. 11.	Recurrin Non-Re	g curring ^{oo}		ora i seri 21 e i l'arte 35 e e i diarte			76,000-00 8,400-00
	VU-12 and		• **	želo il di decenity.		Total :	84,400-00
	03-007 : 0	 ; ```·	(Rupees Eighty	Four thousa	nd and For	ir hundred o	only)

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50. TRAINING IN TRIBAL JEWELLERY AND COSTUME JEWELLERY

The Articles of tribal jewellery made out of brass, silver, and white metal (known .m. as German Silver) are used by Banjara Community as ornaments. The items with tribal characteristic have got an excellent export market of Only a few craftsmen. are engaged in the production of Tribal jewellery articles. There is a very good demand for these traditional articles in various parts of the country and foreign market. Hence it is impera-tive to develop the trade of tribal jewellery.

With a view to encourage their own motifs, by considering the popularity and demand in market, and for the welfare of the tribal communities, schemes may be implemented for imparting training in manufacture of tribal jewellery and costume jewellery.

Since the Banjara Community is well spread in Hyderabad, Warangal Town and Mahaboobabad, Narasampet, Mulug in Warangal district, the training Scheme may be set up in these areas. The duration of the training period should be for one year.

The staffing pattern and the probable expenditure for one year would be as follows:-

and - Mar D Sail I an I. Recurring :

Recurring .	
	Expenditure per
4. Trainees. 30 @ 100/- p.m. stinend 0	ted 18,000-00 Accounts etc:,) 250-10-430 4-400-00
5 Contingencies :	20 mg grand 22 and 2 and 2 and 36,000-00
(a) Wages to watchman	·
(a) Wages to watchman, water and @ Rs. 400/- p.m.	
Misc. office contingencies.	4,800-00
(b) Rent of the building (b) Rent of the building	
KS: 30	
6. Raw Materials : White metal sheet, & wire, pure silver	12 9] Juin 10 10 10 10 11 3[600-00
White metal sheet, & wire, pure silver f Placing copper & brass sheets, coal,	acids etc.
White metal sheet, & wire, pure silver f Placing copper & brass sheets, coal,	Projecting & 100000000000000000000000000000000000
White metal sheet, & wire, pure silver f Placing copper & brass sheets, coal,	1/2 pim reingion 2 3 4 3 600-00 a soldering & acids etc

terral de la companya en presa presa Abstract :

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1. Recurring	10. 00,000 01
II. Non-Recurring	Rs. 24,500-00
QUARE CONTING	Total: Rs. 1,14,100-00
Mary Pak	

(N.B. 1.) The sheme is estimated for imparting training 30 tribal opersonnel for a period of one year in the trade. On completion of training, production centres may be set up with the tribal artisans.

2. In case the persons to be appointed as Craftsmen in the above scheme are ^3-0013 not available from the tribal communities, persons from the goldsmith community have to be appointed as Craftsmen since they are well acquainted with the work in sheet metal and moulding etc. Hence they must be provided with higher salary, as greater skill is involved in trade. Keeping these 00-008.0 . . .

points in view, the salary @ Rs.500/- is proposed. 0.4565-0.9

51. TRAINING IN BASKET WEAVING WITH DATE PALM LEAVES AND VEINS

0.0-008 The weaving of Baskets and Mats with Date Palm leaves is the traditional craft of the Tribal communities. Mostly, the community known as 'Erukula' is engaged in preparation of these articles. As these articles are being used by the public and they have registered a significant purpose, it is necessary to develop this craft.

If these items are produced by adopting scientific methods in dyeing with various colours and restyling the items into artistic, decorative and utilitarian value, there would be much demand for these articles in and around the country. Indeed the handicraft articles with tribal characteristics have got a name in the export market, hence there is need to develop this craft in the context of earning foreign exchange, and to assist the tribal communities for their better position. and the second secon

The tribal communities 'Erukulas' etc., may be trained in this craft by setting up training schemes at various parts of the State.

The Duration of the training programme may be for a period of one year and the 95 Y.C. following areas are suggested to implement the scheme as the 'Erukula' community is seen there.

: 1359 2.4

- 1. Adilabad District.
- 0.0 662,0 2. Warangal District.
- 3. Nellore District.
- 4. Cuddapah District. 101025
- 5. Krishna District.

Rs 89,600-00

Rome Line

. The Red All and

The probable expenditure for running the scheme for one yearwould be as follows:

I. Recurring :	<u>178.</u> 09,630-00	Expenditure per
·	Rs. 24.500-00	annum Rs.
1. Craftsmen 2 @	00/- p.m. consolidated.	9.115567.214 OK 214 7,200-00
2. Skilled workmen	12-@-150/-p.m. consolidated.	
6 (2) Harissannie (2)	TEN	3,600-00
acitoubang pairient he 4 L D Clerk for m	aintenance of office and Stores of	18,000-00
250 10 420		· · · · · · · · · · · · · · · · · · ·
ara autorea 21000 2011 U	The manifest of Callenger :	4,400-00
(a) Watchman	Wages, Water, Elec. charges, Misc. es @ 400/- p.m.	
Contingencie	es @ 400/- p.m.	Office
(b) Building ren	it Response intergrant	4,800-00
6. Raw Materials :	nt Rs?200/apim/002.2A @ Carlia of	ia anoty su emission 2,400-00
CONTRACTOR AND TEINS		
Date Plam leaves Sewing thread, I	Lining Cloth, Elastic, Show Buttons Dyeing colours etc.	E TRUCK SYNCE
- Setto transformation	- contraction and the state of	800-00
eval get the office	and Mats with Double and and a work of the second view of the second v	22.78 31. galvno <u>v: 2617</u> ring Total and 5. 44 200-00.2
III I ON INCLUITING		
Suciación de Tools & Far	aro don't sewing machine (2) Knives, , colour dyeing tub (2) r Office and Stores ih, Cash Chest	an berra di sa si
Scissors etc.	, colour dyoin achine (2) Knives	en de la companya de
21 STORI(2) Furniture fo	or Office and Stores 2,000-00 ih, Cash Chest 2,000-00 ayrah 2 1,000-00	1.800-00
oil adira Steel Almyra	ih, Cash Chest 2,000-00	Contraction to the probability of the second se
W Ooden Alm	ATT. 1	
Ca Super Kack Star	uyran 2 1,000±00 10 10 500±00	the states and the Class
BOACS	10	
and the second but	10 00000 600.00	· 000-00
HON DETURING A PAP		4,200-00
	Mon-R	courring Total :- 6,000-00
	Abstract	
	g.	Portugio transfera
II. Non-Rec		
	6,000-0	2. Mellore Distic. 0
	47,200-0	• Shade deep brail
	·	Substitution District.

TRAINING IN SHEET METAD AND METAL CASTING PROPOSED FOR 52. ADILABAD DISTRICT 2:00 0005 i.0i.200-00

The Brass ware and Sheet Metal Articles such as Lamps, Hanging lamps, bells for Bulls, figures of deities, animals and human figures with tribal characteristics have got a good commercial potential and export market.

: is.oT In view of the good demand for the Brassware artistic articles in the country and R. 1.17.200-90 foreign markets and with a view to develop the livelihood of the tribal communities, it is proposed to implement a scheme for imparting training in sheet metal and metal casting work in Adilabad (District brand on a bran work resurred blog on O confi

The Training scheme is proposed with the following staff and probable expenditure for one year will be as shown below. The the reference of the former of , contral locar toda striw an is set your contexpenditure per I. Recurring : annum Rs. 316 pmodos overda 310 n consolidated salary of Rs. 300/- p.m. 18.000-00 Skilled workers (to assist the Craftsmen) 3 on consolidated salary of Rs. 200/- @ 220 p.m. sone of start of the start 7.200-00 36.000-00 i 4. L. D. Clerk (for maintenance of store, accounts etc.) 1 4.000-00 pay scale of Rs. 250-10-430 1. 1. 1. MA

Total Recurring :

5. Contingencies :

DU ALMAND IN DEVINE ALMAND OF HAND STICKS AND MULHING STICKS Wages to Watchman, Building rent, 500/- p.m.water, Elec.

based o Charges: and MiscarOffice expenses retelate problem hand else el mai e 6,000-00 zápila segélő a gloinu gillia ben evilenti. Vezv car detai tervitésié breskette estevi bundiel Raw Materials isterne to a que com the a velocit of the tract state of lief en lief tal

20.000-00 a) Solid metal & Sheet Metal

b) Moulding soil, graphite coke, fire-wood, cool crucible etc., jun pinter 10,000-00. Constantine (30,000-00. 1,01,200-00 Total Recurring :

The Won Recurring Paulit and Soyas" and Hillred and Territor Recurring (i) Machinery & equipment (Moulding Boxes, Blowers

Stimer Cash Chest 3 wooden Almyrah and 30 tool boxes. on a class 7,000-00 on in A de salate salate and solate and salate of Total Non-Recurring in a

65,200-00

NOT THAT INTO ALL	AD ILD HIAbstract
I. Recurring.	TOTT 214 CASA 1,01,200-00
al II. Non-Recurring	La dour substructure Res. our 16,000-00
(Rupees One Lakh	Seventeen thousand and two hundred orthological
Note: (1) The Scheme period of or centres may b	is estimated for imparting training 30 Tribal r he year in the trade. On completion of training be set up with the Tribal Artisans.
00-30, (2) In case the p not available Community	from the tribal communities, persons from the about the tribal communities, persons from the tribal communities, persons from the to be appointed as Craftsmen since wided with higher salary as

personnel for a ing, production L MARSA - A ove scheme, are the Goldsmith they are well . Hence they trade. Keeping these points in view, the salary @ Rs. 500/- p.m. is 01 \mathbb{D} (+ OUTCH Bal Nor A ton Y

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53. TRAINING IN PREPARATION OF HAND STICKS AND WALKING STICKS and watting the start of the st with carving work and highly polished are vorted. with carving work and highly polished, are very attractive and utility articles. These sticks are being manufactured by a few craftsman at are being manufactured by a few craftsman at present and utility articles. These of for these articles.

As this craft has got its own importanceas traditional artistic carving work, may be considered to develop the artistic work of the it may be considered to develop the artistic work as per the changing needs of the

The two Tribal communities known as "Koyas" and 'Hillreddys', are reported to be engaged in making wood carving articles. people of the Tribal Communities, and since the West Godayari district, by a few people of the Tribal Communities, and since there is scope for collection of abundant palmyrah wood, schemes may be set up in West Godavari District for imparting training to "Koyas" and 'Hillreddys' in manufacturing hand to "Koyas" and 'Hillreddys' in manufacturing hand sticks and walking sticks of Artistic

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The Training period should be one year. Staffing pattern and probable expenditure for the scheme for one year would be as follows :

for the scheme for one year would be us for the	
I. Recurring: And the send and from the following interface of the following miteria and the sendence of the s	annum Rs.
 Craftsmen 2. @ Rs. 400/- on consoli Skilled workers 2. @ Rs. 200/- consolidat Trainees 20 @ 100/- stipend L.D.Clerk for store and maintenance of Accounts. etc.s: Rs. 250-10-430. 	4,400.00
e and a set of the set of antitophile (127 and	
by Dunding Long Monthly Million (d) (d) 10-	-,
Palm tree wood and white wood, polish, sand paper etc.,	
117 -	Total Recurring 55,000-00
	and an
II. Non-Recurring:	
 (i) Wood turning lathe, band saw (ii) Wood turing Tool kits carving chissels and Hand tool, Hand drilling & Drinding machine 1/4" (power). 	7,000-00 12,000-00 5,000-00 (11 12,000-00 (11 12,000-00 (11 12,000-00 (11) 12,000-00 (11) 12,000-00
 Furniture for office and Work shop. 4 Nos. Big size Racks 2 Nos. Wooden Almyrah 20 Nos. 	2,000-00 4,000-00 1,000-00 1,000-00
T	otel Non-Recurring 20.000-00
further the above craining out the start	n de la composition de la constante de la const La constante de la constante de
Abstract :	
I. Total Recurring II. Total Non-Recurring Enclosed and the second state of the second	55,000-00 20,000-00 75,000-00
(i)-ul i'	walking sticks an additional amount

Note :- If horn work handles have to be fixed to walking sticks an additional am of Rs. 1,000/- has to be provided under item no. 6 for raw materials.

emilineq754 dTRAINING IN SKORA CGRASS (TUNGA) MATS WEAVING

in the relative for any year would be as follow :

Kora Grass Mats are very attractive and utilitarian articles every where in India and foreign countries. Mats tangled with fine Kora Grass (Tunga) dyed with various colours and adopting different designs are most fascinating and durablity in their quality.

COLOURS and margine CO-000, 2 CO-000, 2 CO-000 Yanadi' community in Nellore district is also engaged in production of the mats as the surrounding areas of Nellore district are the places for availability of raw DO-000 the mats

4. L.D. Glade for story and maintenauce

00-00 There is every possibility and necessity to develop this craft by adopting scientific methods in dyeing the Kora grass and with attractive designs while tangling.

CO-CCIn order to develop the craft by reviving and restyling, tribal personnel may be trained at first instance in this craft. This step would be more helpful for the denotified tribal communities and weaker sections.

It is therefore suggested to set up the training schemes at the following places where the tribal communities are wide-spread,

1. Khammam District.	Palmeres wood and white whote policite
	Paint 12 wood a mining
00.000) Vara Ramachandrapuram ii) Kunavaram	and paper erea
iii) Aswaraopet	\mathbf{x}
iv) Bhadrachalam.	
2. Nellore District. 00-000,7 00-000,21	It. Non-Recurring :
	(i) Ward tuning indus band an
ii) Buchireddypalem area.	 (i) Wood tuning failur products (ii) Wood tuning T is kin on ping objected (iii) W - A tuning T is kin defilied & D and and then is not. Head defilied & D and
J. Intunacooonagar District	d to berg the state and
$(12.003)_2 $ Mahaboobnagar $(00.00)_1$	
ii) Amarabad. $00.0(0,1)$	the second second second second
	Big ize Rick 2 Nov.
The security 20,000-00	a study of a manage way that
The probabl; expenditure to im	interes a
may be as follows :-	prement the above train
I. Recurring:	plement the above training scheme for one year
55,000-00	
1. Craftsmen 00.00,02	Expenditure per

1,	Craftsmen 2- @ De and Brithous Interna	liure per
2.	Craftsmen 2 @ Rs. 300/- p.m. consolidated. Skilled workers 00-0002. @ Rs. 150/- p.m. consolidated. L.D.Clerk for main- tenance of stores/& consolidated.	annum
3.	L.D.Clerk for main-	.! Rs .
ITU: F,	250-10 400	7,200-00
	accounts etci, % or rel) on moti schruieblivete ed et tra de tra	3,600-00
	and antip figi, and ici of the list of the set of the state of the set	4,400-00
	and a reputy of a set year of the light of t	-: 51c-Yi
	of Real (() () and () a	

Stipends for 20 perso	ons @ Rs. 75	x	18,000-00
Contingencies :			
• •		ity Rs. 400/- p.1	n. 4,800-00
(b) Building rent		@ Rs. 200/- p.n	a. 2,400-00
Raw Materials :			
Kora grass (Tunga) Tu material.	wisted cotton, dyeing	;	3,800-00
Fire wood			1,000-00
		Recurring Total.	45,200-00
C	22	1,000/-	3,700-00
		2,000-00	
Big size racks 4 Wooden almayrahs. Tool boxes (600-00)	2 nos	3,200-00 1,000-00 600-00	6,800-00
	Non-R	ecurring total.	10,500-00
	ABSTRACT	· •	
1. Recurring		200-00 500-00	
2. Non-Recurring	10,	500-00	
	 Contingencies : (a) Watchman wage charges, Misc., C (b) Building rent Raw Materials : Kora grass (Tunga) Tymaterial. Fire wood Con-Recurring : i) Machinery and Eq Mat looms Hand tools Tubes for dyeing i) Furniture for office almyrah, cashchest of Big size racks 4 Wooden almayrahs. Tool boxes (600-00) 	 (a) Watchman wages, Water and electric. charges, Misc., Office contingenies. (b) Building rent Raw Materials : Kora grass (Tunga) Twisted cotton, dyeing material. Fire wood Con-Recurring : i) Machinery and Equipment Mat looms Tubes for dyeing (a) Furniture for office tables, steel almyrah, cashchest etc. Big size racks 4 Wooden almayrahs. 2 nos Tool boxes (600-00) Non-Face Content Non-Face Con	Contingencies : (a) Watchman wages, Water and electricity Rs. 400/- p.r. charges, Misc., Office contingenies. (b) Building rent (a) Rs. 200/- p.r. Raw Materials : (a) Watchman wages, Water and electricity Rs. 400/- p.r. Raw Materials : (a) Rs. 200/- p.r. Kora grass (Tunga) Twisted cotton, dyeing material. (a) Recurring Total. Fire wood Recurring Total. Kon-Recurring : 100/- each 1,000/- Tubes for dyeing (a) 4 Nos. 500/- (c) Furniture for office tables, steel almyrah, cashchest etc. 2,000-00 Big size racks 4 3,200-00 Wooden almayrahs. 2 nos 1,000-00 600-00 Non-Recurring total. ABSTRACT 1. Recurring 45,200-00

IV ANNEXURES

Annexure—I

DISTRIBUTION OF S. T. POPULATION - TALUKWISE - 1971

District/Taluk	ò	012.01.8		to Total Popul	
			2	4	
	698	<u>2</u> <u>005</u> 00	3		
<u></u>					5
ikulam :	756	172.415		i l'amar	6.
rikakulam	···)` :	2,57,281			. , . ,
		3,61,292	-		
	1 Q. 1	•	•		•
	200.00		=		
			-	28.94	~ •
	168. 6		-		e ha is
	567		•	17.13	• •
	oro ::			0.38	, ^ 1
		2,12,037	6,369	3.00	
	1.055	1,60,754	9,060	5:65	.01
-	1 15	99,199	1,722	1.74 .	Ţ,
Dist. Total.		25,89,991	2,12,459		
khanatnam :				: anaaf).
	a Ge		1,449	0.31	. i
			304	0.11	.2
nakapalli			704	0.25	
ellamanchili			17,144		£
arsipatnam		68,204			
	· .	1,83,090			
aderu		3,27,950			.7.
hodavaram	я	2,38,219			.8
rungavarapuko	m	1,43,219			
ajapatumagaran 7	n an	2,73,247			7,
ijayanagatam haamuninatnan		2,70,300	945		;;
1.	50 C I	28,05,366	2,99,970		
	rikakulam Cheepurupalli obbili alûr arvathipuram alakonda athapatnam arasannapet ekkali ompeta hapuram Dist. Total. <i>khapatnam</i> nakapalli ellamanchili arsipatnam hintapalli aderu chodavaram rungavarapukot ajapathinagaram heemunipatnam	rikakulam Sheepurupalli obbili alūF arvathipuram alakonda athapatnam arasannapet ekkali ompeta hapuram Dist. Total. <i>khapatnam</i> : isakhapatnam nakapalli ellamanchili aderu hodavaram rungavarapukota rajapathinagaram ijayanagaram 2000	rikakulam 2,57,281 heepurupalli 3,61,292 obbili 1,59,610 aluF 2,50,509 arvathipuram 128.7 alakonda 3,65,052 athapatnam 2,61,587 arasannapet 2,12,037 ekkali 2,75,89,991 Dist. Total. 25,89,991 khapatnam 2,78,593 elamanchili 2,82,710 isakhapatnam 68,204 nakapalli 2,38,219 elamanchili 2,38,219 inderu 3,27,950 inderu 3,27,950 ingapathinagaram 2,73,247 iyayanagaram 2,70,300 heemunipatnam 2,70,300	Fikakulam $2,57,281$ $669, 102$ Sheepurupalli $3,61,292$ $3,102$ obbili $2,81,707$ $5,937$ obbili $1,59,610$ $37,835$ arvathipuram $129,78,509$ $72,501$ arvathipuram $129,78,593$ $3,65,052$ $29,768$ alakonda $2,61,587.$ $44,812$ arasannapet $2,12,037$ $6,369$ ekkali $2,12,037$ $6,369$ impeta $99,199$ $1,722$ Dist. Total. $25,89,991.$ $2,12,459$ khapatnam $2,69,168.$ $17,144.$ arsipatnam $68,204.$ $55,991.$ hintapalli $1,83,090.$ $1,71,271.$ aderu $3,27,950.$ $23,179.$ hodavaram $2,38,219.$ $16,155.$ rungavarapukota $1,43,219.$ $10,703.$ ajapathinagaram $2,70,300.$ $925.$ heemunipatnam $2,80,366.$ $2,99,970.$	tikakulam2,57,281669 100 2.95 Sheepurupalli3,61,2923,1020.86Sheepurupalli2,81,7075,9372.14obbili1,59,61037,8352.370Alü2,50,50972,50128.94arvathipuram129.73,65,05229,768alakonda2,61,58744,81217.13arasannapet2,12,0376,3693.00skkali20.11,60,7549,060sisakhapatnam2,589,9912,12,4593.00binpeta2,589,9912,12,4593.20hapuram25,89,9912,12,4593.20khapatnam68,20455,99182.90hintapalli1,83,0901,71,27193.54aderu3,27,95023,1797.07shodavaram2,38,21916,1556.78rungavarapukota1,43,21910,70310.00ijayanagaram2,73,3472,1450.702,80,5.3662,99,97010.00

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	1	2	3	4
III	East Godavari :	_		
1.	Kakinada	4,83,773	1,712	0.36
2.	Amalapuram	¹⁰ 2,63,41210° .T	.2 2,0800:T	0.79
	Mummidivaram(), Tothard 2	1;53,17171	873	0.57
4.	Razole	2,16,240	1,326	0.61
- 5:	Kothapeta	1,99,422		0.45
6.	Alamur	1,73,435	758	0.44
7.	Ràmachandrapuram	2,67,229	1,109	0.41
8.	Rajahmundry	4,64,958	4,613	0.99
9.	Rampachodavaram	54,325	39,292	72:33
10.	Yellavaram	83,610 200-0,2	51,951 ¹¹⁰¹¹	62.13
11.	Peddapuram	2,25,896	1,644	9.73
12.	Prathipadu	1,59,100	11,319	7.11
13.	Tùni	1,53,692	1,055	0.69
14.	Pithapuram	1,88,998	399	.0.21
. .	Dist. Total :	30,87,262	1,19,027	3-86
v. 4	Guntur :			
1.	Guntur	7,35,815	18,545	at A
2.	Tenali	4,46;9 47,	13 742	2.52
3.	Repalle	2,65,821	7,194	3.07
4.	Bapatla	2,99,345	14,608	
5.	Narasaraopet	000,58 3 ,10,937	11,230	4.88
6.	Vinukonda	1,53,111	8,341 × 30	3.61
7.	Palnad	3,00,425	17,945 street	5.45
8.	Sattenapalle		13,873	5.97
	Dist. Total :	28,44,488	1,05,478	4.18
			. , , , , , , , , , , , , , , , , , , ,	3.71

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1,	2	3	4
. Ongole :	· · · · · · · · · · · · · · · · · · ·	•:	alice e
1 Ongole	3,11,055	8,190	<u>2.63</u>
2. Kandukur	2,74,644	11,557	
3 (5 Kanigiri 7 C C	1,81,762		1.27
4. Giddalur	2,01,148	3,873	1.93
5: Markapur	1,74,977	7,281	4.16.
6 Podili	- 1,13,893	1,236	1.09
7. Darsi	1,42,113	1,965	1.38
8. Chirala	2,65,406	1	4.60
9. Addanki	2,54,997	6,479	2.54
9. Autanki			<u> </u>
Dist. Total :	19,19,995	55,111	
I. Nellore :		· .	
1. Nellore	3,63,166	20,010	8.49
2. Gudur	1,73,465	20,575	11.86
3. Sullurpet	1,34,694	- 11,867	8.81
4. Venkatagiri	1,12,871	9,440	- 8.36
	1,12,192	11,252	10.03
5. Rapur	1,59,567	5,843	3.66
6. Atmakur	1,36,781	2,450	1.79
	1,79,416	8,822	4 .92
8. Kavali	2,37,465	29,180	12.29
9. Kovur		1 20 077	<u></u>
Dist. Total :	16,09,617	1,30,277	· · · · · · · · · · · · · · · · · · ·
···-		÷ -	manjad û. ∙
VII. West Godavari:	3,71,361	2,565	0.69
1. Eluru	1,49,157	4,953	3.32
2. Chintalapudi	-y y		
I-18			

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1	* 2	3	4
3. Polavaram	1,35,880	31,450	23.15
4. Kovvur	3,03,664	3,617	1,19
5. Tadepalligudem	3,06,678	1,872	0.61
6. Tanuku	374,138	2,282	0.61
7. Narsapur	3,94,887	2,188	0.55
8. Bheemavaram	3,38,541	2,795	0.83
Dist. Total :	23,74,306	51,723	2.18
			2110
VIII. , Krishna :	2 65,40		, , , , <u>, , , , , , , , , , , , , , , </u>
1. Machilipatnam	3,10,619	3,678	1.18
2. Divi	2,80,758	• 4,629	1.65
3. Gannavaram	2,33,270	4,273	1.83
4. Vijayawada	6,04,822	12,500	2.07
5. Nandigama	2,04,074	6,128	3.00
6. Jaggayapet	79,425	4,933	6.21-
7. Tiruvur	1,86,152	6,629	3.56
8. Nuzvid	1,53,727	2,162	1.41,
9. Gudivada	2,53,149	4,730	
10. Kaikalur	1,97,578	1,080	<u>1</u> .87
Dist Testal			0.58 _j ,
Dist. Total :	24,93,574	50,742	2.03
IX. Chittoor :	Rayalaseema Regio	on ,	
1. Chittoor	2,71,420	2 101	~
2. Bangarupalem	1,32,402	2,121	0.78
3. Palmnor	1,36,247	• -	2.64
4. Kuppam	1,13,821	3,467	2.54
1-18x	-	1,750	1.54

1	2	3	4
5. Punganur	2,01,409	3,513	1.74.0
6. Madanapalle	- 2,84,615	8,924	
7. Voyalpad	2,54,115	7,014	2.76
8. Chandragiri	2,71,007	5,614	2.07
9. Stikalahasthi (3).	2,03,975	15,900	n: 7:80]
10. Sätyavedu C ² 8.	1,52,831	7,869	anorib 5:15 (*
11. Puttur. rei de	2,63,694	7,136	2.67
Dist. Total :	22,85,536	66,801	2.92
	2 00,760		torgal card of
Cuuaupan .	2,23,286	3,307	1.48
I. Cuddapan	2,63,663	7,220	2.74
 2. Rayachoti 3. Pulivendla 	1,48,515	2,049	obr. dou. 4.38 .
4. Kamalapuram	94,779	782	0.83
5. Jammalamadugu	1,57,138	1,925	it.sq04.23.3
6. Proddatur	2,21,772	2,300	1.04
7. Badvel	1,42,083	1,525	1.07 0
8. Siddout	95,815	1,321	1.38
9. Rajampet	2,30,216	6,181	2.68
Dist. Total :	15,77,267	26,611	1.69
Dist. 101		······································	
KI. Kurnool:	0.04 592	3,836	1.15
1. Kurnool	3,34,533	-	0.92.11
2. Nandikotkur	1,18,512		3.5 8
3. Atmakur	1,26,159		1.74
4. Nandyal	1,99,942	3,472	
5. Allagadda	1,59,127	2,183	1.37

		400,		
: 1	· · · · · · · · · · · · · · · · · · ·	2	3	; 4
6. Koilkuntla	1.51	1,31,583,	2,534	et nort (1:93).
7. Banganapalle	1	69,542 -	1,924	nd manab. 2.77
8. Dhone		1,96,698	4,54 2	2.31
9. Pathikonda	19:	1,8 2,945 ^	4,775	2.61
10. Alur	00.500	1,40,301:	1,684	1.20 C
11. Adhoni	0.00	3,22,748	1,853	6. 5757 0.57
Dist. Total:	21126	19,82,090	32,407	1.63
XII. Anantapur :	.0035	01.2, 8, 22		that with
1. Ananthapur		2,86,709	7,681	
2. Kalyandrug	1.03.8	1,62,406	5,273	3.25
3. Rayadurg	1,22,1	1,69,099	2,205	130
4. Uravakonda	G- A	1,09,995	3,270	<u>2</u> .97
5. Gooty	<u>der</u>	1,95,365	4,112	
6. <u>A</u> Tadpatri		1,82,393	1,54 <u>1</u> ,	
7. Dharmavaram	<u>()), c</u>	1,72,780	-5,638	
8. Kadiri		3,04,611	19,464	6.39
9. Hindupur	5.1 5	2,17,427	4,900	2.25
10. Madakasiri	101.5	1,48,262	2,379	1.60
11. Penukonda	· •	1,66,269	8,415	5.06
Dist. Tota	al:	21,15,321	64,878	3.07
	25312	Telangana Region		· · · · · · · · · · · · · · · · · · ·
XIII. Mahbubnagar :	1.0221	Charles in the second	•	
1. Mahbubnagar	· · · · ·	2,22,356	40 c	1989 N. 197 - 192
2. Shadnagar	рту С 1. го	1;65,583	485	0.22
3. Kalvakurthi	$1 + \frac{1}{2}$	2,00,007	147	41. - 1 0. 11 ⁻¹
			14/	0.07

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· · · · · · · · · · · · · · · · · · · ·	1. 1.	2 £	3	. : 4
4. Achampeta		1,11,079	3,512	· 3.16
5. Kollapur		1,48,615	778	0.52
6. Nagarkurnool	ł.	1,77,698	141	.0.08
 Wanaparthy 		1,65,746	11	0.01
	27	1,22,836	11	2017 00 0.01 3
9. Gadwal	• - •• •	1,61,906	51 _{: [}	0.03
10. Atmakur	- 	1,24,041	356	0.28
11. Makthal		1,58,399	108	: [556] 2516021 0], 07 [7]
12. Kodangal	:	1,73,816		
$\frac{V^{(0,1)}}{D}$ Dist. Total $\frac{V^{(0,1)}}{D}$	1	19,32,082	5,600	0.29
Dist. Total.		<u>(7,10 £</u>		Maria de Cara
V. Hyderabad ;		C88,20,1 1 7,76,805	3,641	(145€ 1551
1. Hyderabad (urbai	n)	1,02,836	47	0,20 0,05 0,05
2. Medchal			79	0.07
3 Hyderabad (East)	Ŧ	1,16,433 1,46,940	13	0.01
4. Ebrahimpatnam		1,15,721	: 105:	T - C _
5. Hyderabad (Wes	t) .		25	0.02
6. Chevella		1,17,438	802	0.61 ^{***}
7. Pargi	1.00	1,31,935 (13,25) 1,19,699	18	0.02
8. Tanduru	ī	505 03	¹⁰ 39	0.02
9. Vikarabad		1,63,955 200,001		Section A 1.8
·····	, 1,27-1. 1	27,91,762	4,667	0.17
	11.24 10	205.21.1		S. Tripath
V. ^{O.} Medak:		2,04,795	2 1	0.01
1. Sangareddy	VI.I.		70	0.04 [®]
2. Zaneeradad	r=""""""""""""""""""""""""""""""""""""	1,89,028	1	
3. Narayanabad	ଽୄଡ଼ୗ	1,22,027	ľ	

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÷ 1		2	3 4
4. Andole		1,95,460	
5.: Narsapur	C~~~ U • 1	1,39,341	
6?0 Medak	- 4- <u>1</u>	2,01,081	6 for motive and the
7. JGazvel	1	1,63,391	- Jur mart N
8.) Siddipet	11	2,52,821	22 <u>1999 1</u> 10.01
Dist. Total	51.	14,67,944	120 0.01
0.0.0	66.5	100 12,1	
XVI. ^{^^} Nizamabad :	* *		, , , , , , , , , , , , , , , , , , ,
1 Nizamabad		3,04,811	151 0 05
2. Armur	902 B	2,98,140,,	- 197 in the inter 0.07
3. Kamareddy		2,01,501	
4. Yellareddy	· · ·	1,03,283	8 1 100 ANTO.01
5. Banswada	`, _s i,	1,24,715	23 0.02
6. Madur		87,792	9 0.01
7. Bodhan		1,93,026	190 0.10
Dist. To	:al :	13,13,268	578, 0.04
V 1777 / J:1-L - J .		•	
XVII. Adilabad :	<u>n</u> - 13	212121	
1. Adilabad	3	1,49,810	22,774 15.20
2. Utnoor		93,823	47,084 50.18
3. Asifabad		1,39,368	24,470 17.56
	· · · · ·	1,75,675	22,115 12.59
5. Chinnur		1,12,402	9,837
6. Lakshettipet	~	1,74,801	11,195 6.40
7. Kanapur	12	66,237	5,925 dia car 8.90 g
8. Boath	I	89,248	19,989 22.4

· ·	263		
. 1 0	~2	3	4
905 Nirmal	1,72,147	5,193 _{.07}	-3-00-
10aa Mudhol 🤍 😳 👘	1,14,837	607	0.58
Dist. Total :	12,80,348	169,299	13.00
XVIII. Karimnagar : 000.10.2	103 CD		С.
1. Karimnagar	3,90,282	46 :	
2. Sircilla	3,02,043	36 ož	0 01]
3. Mestpalli	<u>1</u> ,97,403		ocover 0;23 <u>C</u>
4. Dagthial	2,83,781	3,215 (19.3).	. <u>1</u> .13
5. Peddapalli 18	3,55,498	1,118 (1997)	0.31
6. Manthani 212	1,19,154	11,558	<u>9:</u> 70
7. Husurabad	3,15,767	· ·	नेतुन्त स ्ति सं
Dist. Total	19,63,928	16,433	0.84
XIX. ^O Warangal:	0012.00		τ,
1. Warangal	6,50,312	660	0.10
2. Parkal	2,13,443	2,865	1.34
3. Mulug	1,31,236	20,741	15.80
	2,04,586	13,497	6.60
 4. Narsampet 5. Mahboobnagar 6. Janagam 	3,21,715 3,49,641	4,378 1,146	1.36 0.33
Dist. Total:	18,70,933	43,287	2.31
XX. Khammam :			
1. Khammam	3,52,822	199	0.06
2. Yellandu	2,29,345	47,863	20.87
	1,14,882	32,777	28.53
 Burgampadu Nugur 	52,535	22,735	43.28

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	31,078	10,141	41,219	16,191	15,976	32,167	73,386	43.34
Karimagar	2,163	418	2,581	3,196	1,598	4,794	7,395	44.87
	8,189	2,067	10,256	34,383	5,419	9,802 9,802	20,058	46.33
20. Khammam	39,686	7,554	47,240	18,896	25,944	44,840	92,080	45.65
	17. ja	3112 3	1.0%	5.833	. C(45) 46	0.400	ा टा	29.09
	<u>2'els</u>	× 5	z 203	11,706	3134	19.64	いたい	18.76
Total :	2,23,350	58,889	2,82,239	2,07,379	1,76,216	383,595	6,65,834	4 40 ∻16

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II(B)
ANNEXURB

OCCUPATIONAL PATTERN OF SCHEDULED TRIBES-DISTRICT - WISE 1971

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•	, ; ; ;	Livestock, Forestry	Hunting and Planta tion activities.	-	M [°] w	1	2721	1759	1926	1307^{\odot}	2081	1989	3041	1009	908	1000 I	105	117		5	1634	337	. 669	1784	6.I	25753
с		Sl.No. District		U 111-11	$1 \frac{7}{100}$		1. Srikakulam	-2. Visaknapatnam	4. West Godavari	15. Krishna.	6. Guntur	7. Prakasam	8. Nellore	• '	- • •	· ;		13. Manabooonagar		16. Nizamabad	17. Adilabad	18. Karimnagar			210 Nalgonda''	Total:

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SI. District	Block	Blacksmithy	Carpentry	ntry	Pottery	-4	Brassmithy	uithy	Goldsmith	mith
		T. N.T.	L	N.T.	T.	N.T.	T.	N.T.	T.	N.T.
N	3	4 5	9	7	8	6	10	II	12	13
1. Srikakulam	Seethampeta	5		; :		: :	:	3	~	1.7
Srikakulam	Pachipenta		•				· :			
	Aswaraopet		20	100	ŪŪ.	100	nil	25	Ú	
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Khammam	Kunavaram	200 150	52	20	· · · ·	35	::			2 Q
4. Visakhapatnam	Paderu	• • • • • • • • • • • • • • • • • • •	58		65	:	88 88	1 7 1 . ?		
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5. West Godavari	Buttayagudem	11.12 176	60	80		8:I,ş		1 1	Ξ.	
West Godavari	Polavaram	•	•	:	•	•	•	;	:	:
6. Warangal	Eturnagaram	78	74		<u>86</u>		· •	, :	:) •	
7. , Adilabad	Utnoor -	30 100	125	54	148	•	• • •			•
		LUT ZUU	1	2						

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		ANNEXURE III (Contd.)	IRB HI	(Cont	(.)		1	:				
Sl. District No.	Block	Basket Weaving	iet 18	M Wea	Mat Weaving	Cloth Weavi	Cloth Weaving	Other Works	Other Total Works Tribals		Non- Total Tribes (T	
8	- m 	T 14	N.T 15	16	N.T 17	Т 18	N.T 19	20	21	22	Others 23	
. Srikakulam	sééthampéta	nil.	niř	nîl)	nil	lia	nil	lin	nil	lii	lin	
2. Srikakulam	Pachipenta	- ! ว	:	7.		:	•	:	. •		:	
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 Visakhapatnam Visakhapatnam Visakhapatnam Visakhapatnam Visakhapatnam Visakhapatnam 	der inch aku yyu Mac	140322 2000 2000 2000 2000 2000 2000 2000		:: ở:: : 9:::39:::		:: <u>30</u> ::::	: ::::::::::::::::::::::::::::::::::::	92 ³ **40 **	233 75 573 331 331 387 275	in in it. :2 : :	325 105 573 371 481 481	270
West Godavari West Godavari Warangal	Buttayagudem Polavaram Eturnagaram	250	70	•••••••••••••••••••••••••••••••••••••••		:: :	:: :::	+ 82	325 238	200	525 320	
Adilabad	Utnoor Diversion	si scanits a	- -	C. 16.	163	305	7 250		383 - 3580 1.	165 1464 5	573	

ANNEXURE – IV (Refer Project Profiles 276 – 429)

ANNEXURE V

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A. TRAINING PROGRAMMES OF KHADI AND VILLAGE INDUSTRIES COMMISSION Carlos and the Attack of C

A. Khadi Industry :

Training programme under Commission can be broadly classified into two. One is Artisans training course, meant for training unskilled personnel and the other for organisational staff of the programme.

1. In Khadi, for Artisans training there is one course called Spinning and Weaving course - which can be imparted to the raw candidates in different N.M.C. (New Model Cherkhas) Centres and other processing units aided by the Commission.

2. For supervisory technical staff there are different types of courses such as (i) Management and Accountancy course, (ii) Salesmanship of Khadi, (iii) Training of Spinning and Weaving Instructors and (iv) Refreshed courses in Khadi and Wool-

3. Training Institutions for the above courses are: 1. Khadi Gramodyog Vidyalaya, Khadi and Village Industries Commission P.O. Trayambak Vidyamandir, Nasik. 50.2 thút.

. .

2. Regional Training Centre, Bangalore.

B. Village Industries :

1.11 1. Non-Edible Oils and Soap Industry :

i) For artisans framing.	Minimum educational qualifications is matriculation/SSLC.
Duration of Course :	9 months.
Places of Training : Company of the second s	1. National Education Society, Shimoga, Karnatak State.

2. Tamilnadu Sarvodaya Sangh, Tirupur, Tamilnadu State.

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	For Supervisory technical personnel course: Qualifications :	
313 '2 2 ^{1 x} 1 ≈ t	Duration of the Training: Duration of the Training: Place of Training: Vidyamandir, Nasik.	ba k

Note :- About 200 tribals were trained in oil pressing operation by screw press at Bhadrachalam and Gummalaksmipuram Agency Areas.

2. Medicinal P lant Industry ;

Qualifications :	Minimum Matriculation or its equivalent.
Duration of the Training :	2 months.
Place of Training :	Pharmaceutical laboratory, Govt. of U.P., Ranikhet. Dist. Almorah (U.P.)

3. Katha manufacturing and Shellac Industries :

Commission arranges training in Central Lac Research Institute, Ranchi (Bihar) for lac training and for Katha Industry, Commission organises training programme in Rajasthan State in one of its production Centres.

- 4. Bee-keeping Industry :
- i) For new persons there is Bee Fieldman course of three months duration Commission arranges training in Bee-keeping areas. Offices situated in different areas of the State. Qualifications for admission: 7th Class relaxable

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ii) Apiarist Course :

This is six months course for graduates-imported at Central Bee Research Institute 839/1, Shivajinagar, Poona-4.

Note: So far about 50 tribal candidates were trained in bee fieldman course at Narsimpatnam in the Bee keeping area office of the Commission and some of them are absorbed by Girijan Cooperative Corporation as fieldmen in Honey Procurement. About 1500 bee boxes were distributed to the tribals in Vizag District at subsidised rates through Girijan Cooperative Corporation, Visakhapatnam.

5. Fibre Industry :

There is only one course, Fibre Instructors Training Course Qualifications for admission : Matriculates.

Duration of the Course :

Training Centre :

6 months.

Fibre Research Centre, Khadi and Village Industries Commission, Kora Gramodyog Kendra, Borivili, Bombay-92.

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- Demonstration in rope making, mat weaving etc., can be arranged by the Com-Note :mission in tribal areas whenever required, the art can be picked up very easily by the raw hands.
 - 6. Lime Manufacturing Industry :-
 - 1. Artisan Training Qualifications :

2. Training period:

and Hindi/English. 2 months.

To read and write in any regional language

- 3. Place of Training:
- 1. Technical Extension Service Centre Lime Manufacturing Industry, Khadi and Village Industries Commission, Dehradun (U.P).
- 2. Technical Extension Service Centre. Arpoorkara, Kothayam-1.
- Technical Extension on Service Centre, 3. Mohal Dist., Sholapur.
- 7. Match Industry : Supervisory Course :-Training period :

3 months.

Matriculation.

Kora Gramodyog Kendra, Khadi and Village Industries Commission, Borivili, Bombay.

Vallior, Tirunalveli Dist., Tamilnadu.

Kurukshetra, Haryana.

Central Village

P. O. Khanapur, Dist. Belgaum.

8. Pottery Industry:-

Training Centre :

9. Carpentry and Blacksmithy Industry :---

Training Centre :

Carpentry and Blacksmithy Workshop, Post Dhahanu, Maharastra.

Pottery

Institute.

T.A., D.A., and Stipend will be given by the Commission for the candi-Note :dates selected for the above training course.

Qualifications :

Training Centre :

····B;		
Traditional Skills :	• * • • • • *	

					• •	• • •	1
	No. Trade	Tribals to be trained	Period of Training		T.A., D.A. etc.	Total	
1.	Blacksmithy	100	3 Months	27000	5000	32000	· · ·
2.	Mat-Weaving	i nativio	3 Months	27000 @ 90 P.N	5000 [;] A.	· 32000	Industries Wing G.C.C
3.	Basket Making	100	3 Months	- do -	5000	32000	- do -
	Agrl. Implements?		3 Months	- do -	5000	32000	- do -
5.	and the second second	50	· · ·	13500	5000	18500	Nidadavolu Palm Gur
		1 I K.	· · · · _ ·				Federation
6.	Carpentry	100	6 Months	54000 @ 90 P	86000 .M.	7000	· <u>}</u> f ·
		_				·	
т	Promotion of now of		1997 - Marine Marine († 1997) 1997 - Marine († 1997) 1997 - Marine († 1997)				1. AT
	Promotion of new sk					1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1. Cr
1.	Tamarind Starch (Operators Trg.)	10	3 Months	2700 @ 90 P.M	1300		ndustries wing.
Ż .			- do -	- do -	- do -	- do -	•••111 <u>5</u> •
3.	Bee keeping (Fieldmen Trg.)	50	- do -	13500	5000	18500	- do =
4.	Match Industry (Organisation Trg.)	6	2 Months	1080	1000	2080	
5.	Artisan In-service Trg.	120	6 Months	54000 @ 75 P N	6000	60000	Hyderabad.
6.	Rope Making (Artisan Training)	100		27000 @ 90 P.N	5000		Wing K.V.I.

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1 2		3	4	5	6	7		•
7. Soap Mal Chemist (Trg.)		5	9 Months	a 4050 @ 90 P.N		•	1990 - do - No traciño	
8. Expeller C tors Train		5	6 Month	s 2700 @ 90 P.M	1000 4.	5050	K.V.I.C., Hyderabad	. F.
9. Card-boar	d Train-	5	6 Months	- do	- do -	- do -	,	
10. Lemon Gr	ass Oil	5	- do -	- do -	- do -	- do -	·	
11. Bamboo S		^{'.} 6	3 Months	1620 @ 90 P.M	1000 [.	2620	- do -	
12. Bricks Ma turing	nufac-	30	- do -	8100 @ 90 P.M	1000	9100	· ·.	
13. Tractor Se	vicing	4	6 Months	3100 @ 150 P.N	600 ⁄1.	4200	- do -	. .
14. Lime manu ing Artisa	ifactur- n Trg.	3	3 Months	810 @ 90 P.M	390	1200	- do -	•
15. Dehydratio Onions & (4 0001	3 Months	1800 @ 150 P.M	1000	2800	Industries Wing G.C.C.	· · · · · · · · · · · · · · · · · · ·
16. Dairy Farn	ing	50	3 Months	13500 @ 90 P.M.	5000	18500	A.H.Dept.	
17. Poultry Fai	ming	50	3 Months	13500 90 P.M.	5000	18500	- do -	•
18. Feed Mixin	ng	5	- do -	1350	500	1850	- do -	
19. Katha Mar		3	- do -	810 90 P.M.	390	1 2 00	K.V.I.C. Hyderabad	
turing 20. Gum Grad	ing	10	- do -	900 @ 90 P.M.	4000	5000	-do	
Training 21. Medicinal I	Plants	10	- do -	2000 @ 100 P .M	3000	5000	- do -	
Training 22. Fruit Prese	rvation	5	- do -	1350 @ 90 P.M.	650	2000	Agrl. Dept.	
		496					_	
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	·	2	-3	·: 4	5	6	7	8
Π	I. Non-f	ormal Training	Progr	ammes :				
1.	Book B	inding	25	6 Months	13500 @ 90 P.M.	2500	16000	Industries
2.	Guage 1	naking	10	- do -	5400 @ 90 P.M.	1600	7000	Wing G.C. - do -
3.	Tractor	Driving	10	- do -	- do -	1600	7000	
4.	Pumpse	t Repairs	10	- do -	- do -	1600	7000	• - do-
5.	Cycle R	epairing	25	3 Months	· •	1600	7000	- do - - do -
б.	Cloth sh	and Fancy, 10p Appren- in Super-	50	3 Months	13500 @ 90 P.M.	2500	16000	- do -
IV.	Manage	erial and Secre	tarial	Courses				
1.		Management				~		
2.	Marketin	ng Managemen	t	• • •				
3. '	Finnace ment	Manage-	10	6 Months	9000 @ 150 P.M.	3000	12000	- do -
V.	Entrepre	neural Training	ç.			279		
VI.	Feasibil	ity Studies				279 3.00 lak	1	

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Annexure - VI

SCHEME FOR PROMOTION OF ENTREPRENEURSHIP AMONG SCHEDULED TRIBES

. -j (Action-cum-Research Programme for Entrepreneurial Development among the Tribals of Visakhapatnam Dist.)

S.I.E.T. Institute Extension Education Department -

As part of Integrated Tribal Development Programme in Andhra Pradesh, the Tribal Cultural Research Institute of Andhra Pradesh proposes to develop entrepreneurship among the Tribals in Visakhapatnam district to begin with and cover other tribal Pockets in State over a period of time. It will be an action-cum-reserch programme. The SIET Institute will play the role of a consultant and design and analyse the research part of the programme besides training personnel of Tribal Cultural Rersearch Institute and formulating strategy and guiding the Tribal Cultural Research Institute in the entrepreneurial development among the tribals.

The proposed action-cum-research propramme will have the following five phase and this is not purely time-and-operation sequential. Some times more than one phase will be in operation.

Phase-I

It consists of Training of Tribal Cultural Research Institute personnel of Hyderabad and other officials from banks and the Girijan Cooperative Corporation (Vizag) and other officials connected with tribal development in the area as trainers at the SIETInstitute It could be a general but comprehensive course of four weeks. A Special course with all inputs for entrepreneurial development is to be prepared by the SIET Institute. Though this course will be of general nature, the trainers will, depending on their disciplines Orientation and earlier work-experience specialize in certainareas like feasibility studies, techno-economic surveys, preparation of industrial profiles, entrepreneurial development marketing etc.

Phase-II

This relates to the basic physico-psycho-socio-cultural and economic study and understanding of the area where the programme is to be implemented. In this phase for locating and promoting entrepreneurship an area approach is to be made. The work in this and promoting entrepreneurship an area approach is to be made. this phase will serve the purposes of developing of action-programme and strategy for indepute indentifying and developing entrepreneurship among the tribals keeping in view the tribal culture. The approach suggested in this phase is this under standing of the socio-cultural traits of the clientele group and working through the various institutions of the community for entrepreneurial development and it is to be tested for its usefulness in the given area over a period of time. Data on the following aspects are to be collected in respect of the geographic region and the population in question.

Aspects :---

- 1. Physical conditions-rainfall-terrain, quality of soil enterprises which can be undertaken in the locality.
- The economic structure of the community 2.
- The types of production within the community. - The organization of the producing units

 - The method in which labour and capital resources are applied.
 - --- The make-up of the family's occupational structure. How the local marketing system functions
 - Farm organization.
 - Land tenure.

 - Capital and labour resources. - Occupational structure.
- 3. Human resources Literates etc.
- 4. Cultural patterns :

Historical analysis of the community, - Historical patterns of diffusion and change.

- 5. The social-structure of the community.

Understanding of tribal/rural social structure.

The family - its structure - the dicision making process in the family, functional aspects of the family - typology of the families based on occupation and division. ·**}*

of functions. The kingroup-its structure and functions = intraclan, intraclan and inter-tribal

relationships-role of certain in the kinship circles. Tribal Council (Caste council) - its constitution and functions the role and influence of the chief of the council - the council's influence over the members

- and the degree of their dependance on the council in matters economic and social. ಇಲ್ಲಾಂಗ್ ನಾಡು ಸಾಗ್ರಿಸ್ ಸ್ಥಾನ್ ಸ್ಥಾನ್ ಸ್ಥಾನ್ ಸ್ಥಾನ್ ಸ್ಥಾನಿಸಿದ್ದ ನಿನ್ನ ನಿನ್ನ ಸಂಸ್ಥೆ ಸ್ಥಾನ ಸಂಸ್ಥೆ ಸ್ಥಾನಿಸಿದ್ದ ಸ್ಥಾ ಕ್ರಾಂಗ್ ಸ್ಥಾನ ಸ
- --- The nexure of relationship between tribals and non-tribals.

- --- The traditional village panchayat (in certain cases) its functions the influence of the Panchayat (in certain cases) its functions-the influence of the Panchayat Chief on potential innovators and entrepreneurs.

- 6. The ecclesiastical structure-the institution of sacred functionaries their status as leaders in the group - their influence and their usefulness, in locating and, promoting entrepreneurship.
- The status and the role and the influence as promoter or helper of the tribal medicinemen in entrepreneurial development.
- 7. The political structure of the community.
 - Leadership patterns in the community.
- The elected village Panchayat utilising this formal institution as a source of information and as a lever of influennce over potential entrepreneurs in the local Aller MCCOV (1711) community.
 - The tribal Panchayat Samithi at the block level and its usefulness as an institution for promoting entrepreneurship.
 - alles to the first sector 1.11 - The village cooperative as a means and as an agency for locating and developing entrepreneurship. - 1⁻⁻⁻
 - Other feeder tribals and non-tribal organisations in community and utilising them for entrepreneurial promoting (Youth and Women's traditional information and formal organisations).
 - . มีสุขสรรณ ที่ 15 มากรูปสำหรังสาราช ใหญ่และหมู่ไป สารไป หรือ หรือ และ 19 การเราะ The village school teacher as a promoter and as a change agent of entrepreneu-Houd tothis many a strain from a rial development.

The work in Phase II will help the agency in locating potential entrepreneurs of enterprisers and this leads to the Third Phase of training tribal entrepreneurs.

Design, Supervision, Analysis of Data and preparation of the report on Action Strategy will be done by SIET Faculty. Data Collection is to be done by Tribal Research. Centre under the Supervision of SIET Faculty. 1. . to . .

Statistics of

Phase- III

1. . . .

Selection and training of tribal entrepreneurs will be undertaken by the trained staff of the Tribal Cultural Research and Training Institute and other trainers in (TCRI) agencies which have a functional link with tribal entrepreneurial development. These training programmes are to be arranged at district or block headquarters. The duration of this training programme may be four months. The course content for training the tribal entrepreneurs will be formulated after discussion with TCRI trainers in the course of their training programme at SIET.

Phase-IV

This phase consists of the agency guiding and helping the trained tribal entrepreneurs in establishing their enterprises; industry individually, in small groups and through

industrial cooperatives. In phase III and IV SIET Faculty will provide over-all guidance as may be required from time to time.

Phase-V.

As a follow-up measure, there will be an evaluation of the training programme. The details and the cost involved for this will be worked out later.

The findings of the evaluation study will go into the training inputs. Besides the evaluation study there will be followup work of the trained entrepreneurs.

The preceding action-cum-research programme is subject to modification in the light of further discussion between SIET and the Tribal Cultural Research Institute.

Time Frame :

1.	Training of trainers at SIET 4 weeks.
2.	Physico-Socio-Psycho-Cultural and economic study of the tribal area of the target population. 4 weeks.
3.	Processing of data and report writing. 3 months
4. 5.	Location and selection of first batch of entrepreneurs. 1 month. Training of entrepreneurs (First batch). 4 months
6.	Evaluation study (six months after the first batch of entrepreneurs were trained)

Total period of the first-round of the action-cum-research 22 months. programme including the interval period of six months.

The budget details will be worked out after discussion with the Tribal Cultural Research Institute.

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ANNEXURE-VII

PROMOTION OF ENTREPRENEURSHIP AMONG TRIBALS Andhra Pradesh Small Scale Industries

State States and Markey and 21

1. According to the criteria adopted by the Planning Commission, 14 out of the 21 D stricts in the State have been declared as industrially backward and special incentives are being given to the entrepreneurs to set up industrial units in such backward areas. Despite these incentives entrepreneurs are not always prepared to set up industrie in such areas. In the Corporation's own experience, despite its preparedness to share the risks involved in the ventures by participating in the risk capital of the SISs not many entrepreneurs have come forward to set up industries in the backward areas in collaboration with the Corporation.

2. The Planning Commission also acknolwedged that the measures taken to accelerate development of backward areas and to reduce regional imbalances did not have much of an impact. Therefore the Planning Commission has suggested the area development approach. But experience shows that the developing area of a district attracts entrepreneurs from outside leaving very little scope for the growth of local entreprenuers.

3. Therefore, it is felt desirable to adopt a different approach for the development of small scale industries in the backward areas. The following strategy can be adopted with advantage for entrepreneurship development.

- i) Area development shall be taken up district-wise in a phased programme to cover all the districts one after another.
- ii) A fairly realistic study of the social, socio-economic conditions and natural resources of reach district shall be conducted.
- iii) The general direction of small scale industries development in the district concerned may be determined and industries with good potential may be listed. Project profiles have to be prepared and priorities determined in the context of natural endowments and marketing prospects.
- iv) A compaign should be conducted to educate the people regarding the industrial potential in the district, to explain them the need to ndustrialise and finally to impress on their minds the need and the significance of the local and regional entrepreneurship development.

4. After the above spade work has been done, the entrepreneurship development has to be undertaken.

Development of Entrepreneurship:

5. Entrepreneurship is proposed to be developed through the Development Clinics. The following is the methodology with advantage to be adopted for this purpose.

i) Identification:

Persons with evident potential to become entrepreneurs will have to be identify Qualities such as organisational skill, leadership and courage can be identified in all sections of society. Behavioural science can be of great help at this stage. in all sections of society. Bonavioural defended and the ground and it is in the section of the

After identification of the potential entrepreneurs, it is necessary to remould his · · · · self concept, to reshape his thinking process, to re-awaken and redouble his selfconfidence to promote self-reliance and finally to motivate him to undertake a new way of life. Therefore, efforts should be made for better motivation with the help of competent behavioural scientists. $\phi_{ij} = -\frac{1}{2} \left[\frac{1}{2} \left[$ Reality Control in a destribute of the bart inge

iii) Education:

<u>a Compositor</u>

When the potential entrepreneurs are identified and motivated, it is necessary 11,020 to provide with adequate education pertaining to the new career he is about to take. The education should extend to all facets of his industry. Which is about to take the other of the the core of the cor

The last stage is to induct the trained entrepreneur into an industrial activity. This will be undertaken by the organisation engaged in entrepreneurship development. 6. The work of Entrepreneurs development can be undertaken by the Corporation by opening 'Entrepreneurship Development Clinics'. The MSSIDC has already experimented with such clinics and the results ochieved by the Corporation A second s are encouraging.

7. The Entrepreneurship Development Clinics work as follows :

a) Wide publicity is given through official, educational and other local social institutions. at the district level about the programme and calling for applications from interested persons on prescribed forms.

b) Selection of the candidates is done in two rounds : 计计算机

i) First on the basis of information supplied in the application form. The applications received are screened with a view to ensure that the right person is called for personal test and interview

ii) Such of the applicants who are found to be resourceful enough primafacie on the basis of information given by them in the application will be called for selection test and interview.

c) Only such of those persons getting through the second round of selection will be admitted to the Clinic. Not more than 25 to 30 persons will be trained in one clinic.

Motivation and Education :

8. After the candidates are finally selected, the Clinics undertake the job of motivation and education. This takes about 10 to 15 days for the Clinics. The methodology to be adopted by the Clinic for motivation and education is as follows.

9. In the first part of the session, the efforts of the Clinic would be to motivate the potential entrepreneurs by employing the latest methods developed by behavioural science. Time required for this purpose will be 4 to 5 days. During the course, the behavioural scientists make use of several business games. The focus is on self. The session will be in the form of discussions and everyone takes active part in them.

10. In the second part of the session, trainees are told how to select an industry. how to prepare a Project Report, what resources and assistance are available to them from various institutions and finally how to manage the Industry. The latter part includes General Management, Finance Management and Marketing aspects.

11. The trainees are made to prepare model Project Report which are critically discussed in the Clinic so that all aspects of running the industry and the implications involved are considered thereafter. The trainees are brought into contact with other officials connected with this activity as well as the successful Entrepreneurs.

12. Training in the manufacturing process is outside the purview of the Clinic. Thus the Clinic would only provide basic information, knowledge and motivation to the candidates - emphasis being on enhancing their self esteem and confidence and inculcating in them a sense of self-reliance. . . .

Induction :

. . .

13. After the trainees have successfully completed this programme they are taken in hand by the officials of the A.P.S.S.I.D.C. and a time-bound programme is worked out with their assistance and there is a continuous follow-up until the stage is reached when the venture is set up: The A.P.S.S.I.D.C. stands behind the entrepreneur till he is well established in his line. This may sometimes necessitate the officials of A.P.S.S.I.D.C. pleading his case with other institutions and Government Departments.

14. Since the objectives of the Clinic are to help venture some people from backward areas, who have no industrial background to become industrial entrepreneurs capable of running their own industries successfully, this clinic is quite different from other types of training institutions. It will be made quite clear to the applicants before hand that the completion of the training programme will not automatically result in the approval of the Projects or sanction of necessary finance by any institution.

Financial Implications :

15. It is proposed to implement this programme as an experimental in the first instance in Adilabad District. It is also proposed to fix the duration of the clinic for 15 days and to restrict the number of trainees to 30. It is estimated that running the clinic at Adilabad would cost a sum of Rs. 50,000/- as per the details given below :---

16. So as to inculcate a feeling of seriousness and involvement by the participants it is proposed to collect a sum of Rs. 100/- and entrance fee from each trainee. In the case of entrepreneurs from Scheduled Caste/Scheduled Tribe and Backward Communities it is proposed to charge an entrance fee of Rs. 50/- each.

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21.	Rope Making - 3 Units	0.97	0.13	:	0.30	0.06	0.61	:	:		;	:
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23.	Brick Kiln - 1 Unit	0.16	:	: -	0.08	:`	:	0.08	:	: :	:	:
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ANNEXURES

Background Paper— Tribes of Andhra Pradesh

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ANNEXURE-I

LIST OF INSTITUTIONS IN SRIKAKULAM, VISAKHAPATNAM, KHAMMAM AND ADILABAD DISTRICTS

Srikakulam District :

- 1. Srinivasa Carpentry-cum-Blacksmithy Cooperative Society Ltd., Sompeta.
- 2. Kuddapalli Bamboo Rattan Works Cooperative Industries Society, Seethampeta.
- 3. The Bricks and Building Material Cooperative Productive Industrial Society Ltd., Gondi.
- 4. Sree Venkateswara Khandasari Production Industrial Cooperative Society Ltd., Rasta Kuntubai.
- 5. The Girijan Brahmi Amla and Bhringa Raj Hair Oil Cooperative Society Ltd., Seethampeta.
- 6. The Fibre Products Cooperative Industrial Society Ltd., Kadagandi.

Visakhapatnam District :

- 1. Carpentry Training-cum-Production Centre, Paderu.
- 2. Spinning and Weaving Training-cum-Production Centre, Hukumpet.
- 3. Pottery and Brick Making Training-cum-Production Centre, Hukumpet.
- 4. Carpentry Training-cum-Production Centre, Araku.
- 5. Servicing-cum-Training Centre in the manufacture of Steel Trunks, Koyyuru.
- 6. Common facility Centre for Carpenters, Sarabannapalem, Koyyuru.
- 7. Myrobalam Crushing Unit at S. Kota.
- 8. Tassar Silk Industry.
- 9. Chowki Rearing Unit.

Khammam District :

- 1. Rural Community Workshop, Vinayakapuram (Aswaraopet).
- 2. Demonstration-cum-Training Centre, Bamboo and Rattan Products, Narvaigudem (Aswaroapet).

3. Bamboo and Rattan Products Unit at Bhadrachalam.

4. Fruit Preservation Unit at Aswaraopet.

5. Saw Mill at Aswaraopet.

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- 6. Production-cum-Training Centre, Village Pottery, Mallaram, Aswaraopet. Common Facility Centre (Power Operated).
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8. Common Facility Centre, Bhadrachalam.

9. Demonstration-cum-Training Centre, Bamboo and Rattan Products, Bhadrachalam.

For a Corporate whether the the Corporate Corporation of the State of the Adilabad District :

1. Rural Arts, Crafts and Industries Centre, Utnocr. 2. Common Facility Centre, Wankidi.

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INDUSTRIAL WORKS

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(Contd.) Annexure--II

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ANNEXURE-III

LIST OF PROPOSED SMALL SCALE INDUSTRIAL PROCESSING UNITS

- 1. Myrobalam Crushing Unit at Srungavarapukota.
- 2. Niger Seed Oil Mill.
- 3. B Class Soap Unit.
- 4. Honey Plant for Pasturising Honey.
- 5. Starch from Tamarind.
- 6. Tamarind Juice concentrate.
- 7. Tanning extracts from Myrobalam.
- 8. Prectin and Tatrade from Tamarind Pulp.
- 9. Alkaloids from Nuxvomica.
- 10. Fruit Preservation Unit.
- 11. Khandasari Sugar Unit.
- 12. Hand Made Paper Unit.
- 13. Match Industry.
- 14. Dehydration of Ginger and Ginger Products.
- 15. Rope and Ban Making Unit.
- 16. Sago Pellets from Tapioca.
- 17. Grading and Processing of Gum Karaya.
- 18. Lemon Grass Oil by Distillation.
- 19. Wood Cutting (Saw Mill).
- 20. Annattee Seed Processing for Extraction of Colour.
- 21. Splints and Veneers Manufacture.
- 22. Modified Tamarind Kernal Powder TKP Phosphate or TKP Borate.
- 23. Tartaric Acid from Tamarind leaves.
- 24. Manufacture of Absolute Alcohol from Mohwa Flower.

ANNEXURE-IV

LIST OF VILLAGE AND COTTAGE INDUSTRIES

- 1. Cane Making Industry.
- 2. Bamboo and Basket Making.
- 3. Mat Weaving.
- Fibre Production Industry 4.
- 5. Stitching of Adda Leaf.
- Deseeding of Tamarind. 6.
- 7. Bee-keeping Industry.
- 8. Ghani Oil Industry.

Fibre development in respect of Sisal, Miscellaneous Fibres etc. Under this programme the following units are proposed : SAN STANDARD ST

- (i) Scheme for Plantation of Sisal Hemp Fibre. ALL PORT REPORT OF
- (ii) Scheme for Plantation of Miscellaneous Fibre. (Chour instruct with 14.
- (iii) Scheme for establishing or experimental demonstration farm for improved varieties of cotton and setting up of one ginning unit in the tribal-areas of Greating and P .7.
- (iv) Scheme for Plantation of Feed Trees for lac culture and shellac-training in the manufacture of refined lac. West Cart (S. C. P. L. - 61
- (v) Scheme for intensive cultivation of pineapples and other fruit trees. .££
- (vi) Scheme for the Herberiums for Medicinal plants at Warangal and Visakha-
- Scheme for plantation of feed trees for Tassar culture. (vii) 23.
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ANNEXURE-V

LIST OF PROPOSED AGRO-FOREST BASED INDUSTRIES

West Godavari District :

1. Bee-keeping.

- 2. Palm Fibre Extraction and Brush Making Centres.
- 3. Palm Leaf Products Manufacturing Centres.

4. PLAN GUM MAKING CENTRES

- 5. Semi-Machinised Brick and Tile making Unit.
- 6. Starch Extraction Unit. Hold guidane the
 Cottage Industries Cluster.
- 7. Manufacture of Plastic Toys.
- 8. Manufacture of Guage and Bandage Cloth
- 9. Shikai Grinding.
- 10. Manufacture of Agricultural implements.

Visakhapatnam District :

- 1. Fibre Production Industry
- 2. Ghany Oil Industry.
- 3. Starch Industry.
- 4. Fruit Products Processing.
- 5. Paints.

Cottage Industries Cluster.

6. Binding Works.

- 7. Manufacture of Guage and Bandage Cloth.
- 8. Manufacuture of Plastic Goods.
- 9. Match Splinters and Tooth Picks manufacturing Units.

10. Adda Leaf Stitching.

11. Myrobolam Crushing.

East Godavari District :

Cottage Industries Cluster

1. Plains Cluster :

1. Snake Skin Tanning Unit for Yanadis

2. Plastic Cane Articles manufacturing Unit

3. Binding Unit and the Destanding Constants

4. Guage and Bandage Manufacturing Unit

2. Agency:

1. Myrobolam Processing Unit Bertham

2. Match Box and Splint making Unit

3. Oil Expeller

4. Popcorn Unit

5. Binding Unit

6. Guage and Bandage Manufacturing Unit

Srikakulam District :

1. Bee-keeping Industry

2. Scheme for Development of Tassar Culture Centres

3. Training Programme to Tribals in Reeling and Spinning of Cocoons and Weaving.

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East Godavari District :

- 1. Rope Making from Kopire (Sabai) Grass
- 2. Government Silk Farm
- 3. Tamarind Starch
- 4. Palm Fibre Extraction Centre
- 5. Engineering Workshop for repairing Oil Engines Motors, Agricultural implements etc.

6. Manufacturing of Roofing Tiles

7. Cottage Industries Cluster

Adilabad District :

- 1. Training of Tribal Artisans in Carpentry and Blacksmithy
- 2. Supply of improved hand tools to Tribal Artisans
- 3. Parapetitic Demonstration Unit in Tape Weaving (Navar) at Wankidi
- 4. Manufacturing of Roofing Tiles 12
- 5. Katha Industry
- 6. Beedi Manufacturing
- 7. Wooden Toys

Khammam District :

- 1. Mini-steel Plant at Kothagudem with the assistance of United Nations Develop-ment Project.
- 2. Manufacture of Polyester Fibre.
- 3. Development of Tassar Silk Industry.

4. Bee-keeping Industry.

- 5. Hand Pounding of Paddy.
- 6. Alda Leaf Stitching Centre.
- 7. Manufacture of Matches.
- 8. Manufacture of Beedies.
- 9. Bamboo Articles Manufacturing. 4;
- 10. Pilm Leaf Articles and Palm Gur Manufacturing.

Warangal District :

- 1. Extraction of Non-Edible Oil Seeds.
- 2. Rope Making Centre.
- re Constant, et al 3. Improved Tools to Tribal Artisans.
- 4. Beedi Manufacturing Unit.
- 5. Cluster of Cottage Industries.
- 6. Tooth Pick and Match Stick Making Industry.
- 7. Popcorn Industry.
- 8. Pottery.
- 9. Brick and Tile.
- ¹⁰. Rattan Goods.
- 11. Net Making.

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GOVERNMENT OF ANDHRA PRADESH

Abstract

TRIBAL WELFARE - Industrialisation of Tribal areas in Andhra Pradesh - Constitution of an Expert Committee - Orders - Issued.

EMPLOYMENT AND SOCIAL WELFARE DEPARTMENT

G.O.Ms.No. 19. Dated : 3rd, January, 1975.

ORDER : `

A polyester Fibre. A polyester Silk Industry.

Government consider that the industrialisation of Tribal areas along with intensive development of Agricultural sector is very essential for the overall economic Development of Tribals and Tribal areas. For formulating the policies, programmes and organisation of industries, in the Tribal areas, it is felt necessary to constitute a high level committee consisting of the following :

(i)	Secretary to Government, Industries	Department, Government	-
	ment of Andhra Pradesh, Hyderabad.	V- joies Manufacturing.	Chairman

- (ii) Director of Industries, Government of Andhra Pradesh, Member
- (iii) Managing Director, Andhra Pradesh Industrial Development Corporation, Hyderabad.
- (iv) Managing Director, Small Scale Industrial Development Corporation, Hyderabad.
- (ν) Director, Khadi and Village Industries Commission, Hyderabad.
- (vi) Managing Director, Industrial Infrastructure Corporation, Hyderabad.
- (vii) Deputy Secretary to Government (in charge of Tribal Welfare), Employment & Social Welfare Department, Government of Andhra Pradesh, Hyderabad.
- (viii) Director, Tribal Cultural Research and Training Institute, Member Hyderabad.

Convenor

12. The terms of reference of the Committee are as follows :

1) To assess the potentials and examine the scope of establishing agro-forest large 23CLAR scale, small scale and cottage industries in Tribal areas;

- 3) To initiate a continuing dialogue between the different promotional agencies and the entrepreneurs in different sectors viz., public, private and cooperative;
- 4) To suggest suitable schemes for improving technical know-how, skills and entrepreneurial abilities among tribals;
- 5) To consider the role of State Government, Industrial and financial institutions such as Andhra Pradesh Industrial Development Corporation, Andhra Pradesh Industrial Infrastructure Corporation, Andhra Pradesh Small Scale Industrial Development Corporation, Andhra Pradesh State Financial Corporation, Khadi and Village Industries Commission, Girijan Cooperative Corporation Limited, Visakhapatnam, Small Industries Service Institute etc., for the Development of Industries in Tribal areas.

To consider the nature of concessions to be given for promoting the industries in Tribal Areas and in particular to examine the procedural financial and 131° fiscal and other incentives for private sector etc.

7) To examine the scope for starting industrial estates in Tribal areas on Cooperative lines.

- 8). To suggest self employment schemes for the educated unemployed among tribals;
- 9) To examine the scope for establishing Girijan Industrial Development Corporation for the Tribal Areas exclusively.

3. The duration of the Committee will be six months. The Committee is requested to submit a comprehensive report to Government within six months from the date of this order.

4. The expenditure on the Committee shall be debited to the relevant sub-heads of Appropriation under "288 Social Security and Welfare-C. Welfare of Scheduled Castes, Scheduled Tribes and other Backward Classes-I. Direction and Administration (i) Headquarters office".

5. The Director of Tribal Welfare is requested to take necessary action for providing necessary funds in the budget for the purpose.

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6. This issues with the concurrence of Finance and Planning Vide their U.O. No. 2/ IPSP/75, dated 1-1-1975.

BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH

M.A. HALEEM, Secretary to Government. To The Director of Tribal Welfare, A.P. Hyderabad. The Director, T.C.R. & T.I., Hyderabad. All Members through Director, T.C.R. & T.I., Hyderabad. The Mininging Director, Girijan Co-op. Corporation, Visakhapatnam. Copy to Fin. & Plg. 1. 7. 11. 1. 2 Copy to D. Section. in the second 17 Servered Contractor P. P. al St. The shi Con Colinational A GOVERNMENT OF ANDHRA PRADESH EMPLOYMENT AND SOCIAL WELFARE(F) DEPARTMENT Memo:: No: 148-F1/75-1. Dated : 19-5-1975. Tribal Welfare - Industrialisation of Tribal Areas in Andhra Pradeth Sub :-Constitution of an Expert Committee - Nomination of the Director of Tribal Welfare as Member - Orders - Issued.

Ref :- 1. G.O.Ms.19, E & S.W.Dept., dated 3-1-1975. 2. From the Director of Tribal Welfare Letter Rc. No. 890-H2/75, dated 13-1-1975.

of the Expert Committee constituted in the G.O. 1st cited.

To The Director of Tribal Welfare, Hyderabad. The Director, T.C.R. & T.I., Hyderabad.

All Members through Director, T.C.R. & T.I., Hyderabad. The Managing Director, Girijan Co-operative Corporation Ltd., Visakhapatnam. Copy to the Fin. & Plg. Dept., Copy to D. Section.

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	PA	RTII	•	
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74 3	2	prodvce	produce	
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	.93	2	18	immovative	innovative
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133	6	5	for	of
135	1	1	developments	development.
138	5	1	terrin	terrain
141	. 1	1	to	of
146	3	3	schedulad	scheduled
148	. 3	1	raw-matreial	raw-material.
153	· · ·	title	project profiles (Annexure iv).	Project profiles
159	VIII	3	(Please work out for 3 months)	delete
160	<u> </u>	title	250 k.g. perday	250 k.gs. per day
163	2	5 .	or	for
168	VII	 , ,	(Months)	(Month)
168	XĪ	profit per month	33866	38866
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180		13	(TEP)	(TKP)
181	· · · ·	6	50% of item 2 to above	50% of item 2 to 5 above
182	· · · 	14	1,40,00	1,40,000
183	1	5	1.72 lakhs	1.72 lakhs K.Gs.
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194		(iv)	1,200	1,250
197	IX	<u> </u>	109115	109155

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		Page	Para	Line	For	Read
		199	3	3	Scaking	soaking
		202	VII	<u> </u>	(Months)	(Month)
		205		Title	Brick	Bricks
		206	5	5	Population	65% of the population
		207	6	2	Consist	consists
		207	3	3	Cooperation	cooperative
		209	<u>(</u> D)	(a)	Rs. 40,700	Rs. 41,100
		210	4	5	uses	use
-		211	-	title	schemes	scheme
	••	. 213	2	. 3	Chela	Cherla
		214	2	2	or	for
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		219	36		oil expellor	oil expeller
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		234	VIII		for 3 months	for 2 months
		236	VII	ia	(Months)	(Month)
		239	VII		(Months)	(Month)
		240	VIII	<u> </u>	(Please work out for 3 months)	delete
		242	6	3	established	embellished
	•	245	· · 2	1	sheme	scheme

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		XV	3	Narayanabad	Narayanakhed	·
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	263	XIX	5	Mahaboobnagar	Mahaboobabad	
	265	16	9	240	140	
	271		~	Annexure-IV (Refer Project Profiles 276-429)	delete	,
	273			Annexure V	Annexure IV	
	273	В	1(i)	Qualifications	Qualification	
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	276	6 [.]		86,000	16,000	-
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	283	1	5	industrie	industries	
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ABBREVIATIONS

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D.B.K.Railway Project	=	Dandakaranya, Bolangir, Kiruburu Railway Project
T.D.B.	=	Tribal Development Block
A.C.C.	H	Associated Cement Company.
K. Ramachandrapuram	=	Kota Ramachandrapuram
APPSC	=	Andhra Pradesh Public Service Commission
UPSC	=	Union Public Service Commission
R.S.C.	_	Railway Service Commission
S.F.D.A.	===	Small Farmers Development Agency
M.F.A.L.	=	Marginal Farmers & Agricultural Labourers
I.T.Is.	==	Industrial Training Institutes
K.V.I.C.	=	Khadi and Village Industries Commission
S.I.E.T.I.	=	Small Industry Extension Training Institute
APSSIDC	=	Andhra Pradesh Small Scale Industries Develop- ment Corporation
I.D.B.I.		Industrial Development Bank of India
I.F.C.	_	Industrial Finance Corporation
N.C.D.C.	=	National Cooperative Development Corporation.
K.C.Canal	=	Kurnool, Cuddapah Canal
A.P.I.D.C.	-	Andhra Pradesh Industries Development Corpora- tion.
A.P.I.I.C.	=	Andhra Pradesh Industrial Infrastructure Corpora- tion.
G.C.C.	=	Girijan Cooperative Corporation
A.P.S.E.B.	=	Andhra Pradesh State Electricity Board
T.W.D.	=	Tribal Welfare Department
S.I.S.I.	-	Small Industries Service Institute
TCR & TI	=	Tribal Cultural Research and Training Institute.
A.P.S.F.C.	=	Andhra Pradesh State Finance Corporation.

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