

2720

Pulsal6 1.

Library TCR+ 2991.

## DEVELOPMENT OF TRIBALS IN COAL BELT OF ANDHRA PRADESH



TRIBAL CULTURAL RESEARCH AND
TRAINING INSTITUTE
TRIBAL WELFARE DEPARTMENT.
HYDERABAD
(Andhra Pradesh)
April 1989

Cathol- 10697

Pub Raykself-1

Aller Gr 2991.

LIERARY

Rasgarch

Rasgarch

## DEVELOPMENT OF TRIBALS IN COAL BELT OF ANDHRA PRADESH

#### PREFACE

This action plan for Development of Tribals in the Coal-belt of Andhra Pradesh (DOT-CAP) is only a first order exercise which needs to be followed up by Area-wise location specific action plans duly supported by a suitable policy package to translate the strategy into action. I earnestly hope that it will receive most careful attention of all concerned and ultimately take a good shape so that the tribals in the proximal hinterland of Singareni Collieries Company Limited can stand to benefit as anticipated in this document.

To my mind perhaps the most important aspect relates to setting up of S.S.I. units by S.T. entrepreneures which can withstand open competition and survive. If this is successfully demonstrated by the units proposed here, it will be possible to expand the programme gradually to cover the entire industrial belt of Andhra Pradesh which lies either in the Tribal area or area in the immediate vicinity, starting from Adilabad and extending upto Visakhapatnam along the northern border. There is growing demand from tribals for S.S.I. units and perhaps it is also a dire need. Unless we work towards the goal of opening up of new avenues for economic development for tribals it will hardly be possible for them to face stiff competition at a later date when the present privileges and concessions will no longer be available to them. In this respect the strategy proposed to be adopted deserves to be commended. Upgradation of skills and standards of the tribals is no doubt the general objective of all development programmes; but we have not met with success to the extent desired because the "linkages" were not properly identified and the "tie ups" were not firm enough to lend the required support. If success is achieved in this direction as contemplated in this plan, we will be breaking a new ground.

Similarly the programmes of direct employment can be replicated for other industries located in the coal belt and also in the gigantic industrial hinterland of Visakhapatnam.

Development of horticulture, Vegetable cultivation etc., envisaged in the plan is no doubt valuable in itself but success can be assured only if good marketing arrangements are made.

It is needless to state that implementation of this plan is the most crucial aspect because experience shows that many a good plan has remained on paper because of lack of or poor follow-up. Finally I wish to mention that implementation of this plan is both in the interest of tribals and the entire industrial belt and traditional habitat of Tribals.

Hyderabad. 22.4.89 V. CHANGSAN

Commissioner of Tribal Welfare
Government of Andhra Pradesh.

		CONTENTS	Page No.
Section "A"	:	Rationale - Strategy and Objectives - Scope - Methodology - Plan in outline	1 -11
Section "B"	:	Identification of hinterland Tribal Villages - Manpower analysis - Social and Economic Services - SCCL organisation - Institutional frame-work - Employment status of STs in SCCL.	12 - 48
Section "C"	:	Employment potential in SCCL (Director Employment)	49 - 64
Section "D"	:	Analysis of the Stores requirements of SCCL - Identification of the items which can be manufactured by common facility workshop- cum-production Centres and individual/ Collective/Cooperative ventures and Project Profiles for indirect employment.	65 - 107
Section "E"	:	Availment of Facilities and concessions-organic linkages of various Institutions with SCCL - Procurement of scarce raw materials and policy frame.	108 - 115
Section "F"	•	Resume - Source of Finance - Financial and administrative arrangements - activity phasing and implementation - Preparing of micro-action plans - role of Project Officers in implementation - Overseeing and coordination.	116 - 127
Annexures:			128 - 164

### This Plan was prepared by:

- (1) Sn. A. Adiseshiah. Scommist. APITEO
- (2) Sri C. Chenchu Raju, Regional Joint Director TCR & T) Bhadrichelan
- (3) 8n k. A. S. Hussain Dy. Driector TCR+T.

and the above team was assisted by:

(1) Sri. A. Srivamulu. Research Assistant TCR+71 (2) Sri Ranganathon. CC.FI. TCR+71.

Valuable guidence and direction was provided by:

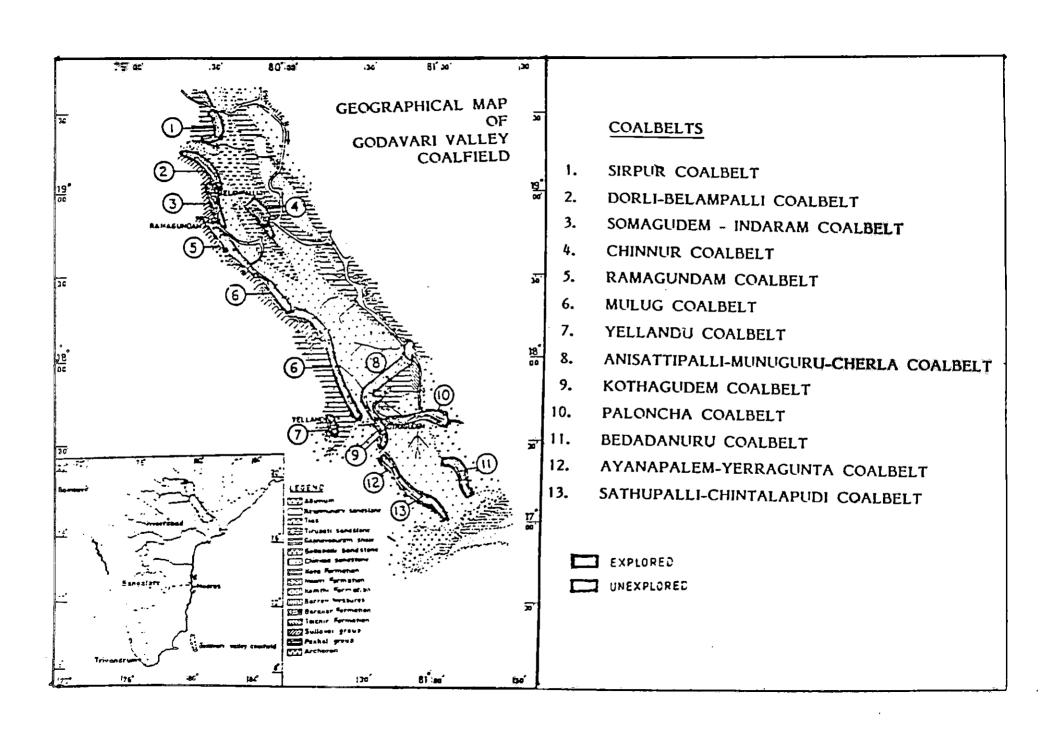
Sn M. V. P. C. Sastry [As.

Director Tribal Welfare Reportment . A.P.

Sri CV.S.K. Sarma 1.45.

Directo Adminstration SCCL.

> Klsfum 22.4.1989.



(Rationale - Strategy and objectives-Scope - Methodology - Plan in outline)

#### Rationale:

Hundred years have passed since coal mining operations A.1. Yellandu village (presently near in Khammam started which have come about in The changes the meanwhile are of phenominal dimensions, with far-reaching the beginning the problem In for the consequences. predecessor organisation of SCCL was to find manpower operate the mines and for the then Government also it was populating the region. Government policy was οf directed specifically towards encouraging inmigration sparsely populated areas by assignment of land for liberally. cultivation Today the scene has The significance of the economic radically. nexus between this mighty organisation and the local area as it has emerged, was perhaps not even remotely visualised then. has happened in the case of other industrial and areas in the country, there is considerably large inmigration and consequent disruption in the agro-economic local situation here also. The activities of SCCL itself were very limited till planned development: and compulsions of economic growth made it necessary for it to take giant steps towards expansion. Even as late as 1950 the annual coal production recorded 11.62 was at lakhs and the number of tonnes employees were about 18,000 but now (1988-89) production was to be 185.00 lakhs tonnes with almost estimated 1.00 employees. According to the projected growth, by the turn of the century, the SCCL will attain almost double its present The implications of this are far too important to While this is the trend on SCCL side, the tribals ignored. proximal hinterland (PHL) on the other hand, habitat has been partly or wholly affected, have yet to show signs of effective participation in this tremendous activity. The migrant population and even those who are far away from this centre of activity have demonstrated the required will and capacity to derive utmost advantage of direct and The problem of associating employment. and preparing the tribal, therefore is still current and there is very little indicating that eflux of time has settled it.

Unless a correct approach is adopted to enable A.2 tribal to participate effectively in the process of economic development, the growing hiatus between the non-tribals and tribals will adversely effect the tribals who have been gradually losing control over their economic resources like forest, agricultural land and minerals. The tribal's loss is partly contributing to economic well-being of the country; hence there is a debt which the State owes to tribals. The policy and programme must necessarily be incisive and spell out in detail how the new symboitic relationship between tribal and the SCCL will be built-up. The Action Plan is effort in this direction.

may be useful here to refer to the paper on "Planning for industrial development of Tribal Areas" by B.D. Sharma\*, in which he has observed that "The variables in socio-economic situation are so delicately balanced that partial or sectoral view may easily disturb it. Therefore a comprehensive industrial development plan keeping in view all aspects may be necessary." "In the tribal areas the industries do not establish even normal linkages with their immediate hinterland. The new opportunities which arise the form of demand for services and agricultural commodities, animal products, etc., do not benefit the hinterland. services sector is dominated by those who come to these areas the secondary migration waves. In the absence οf conscious effort to plan diversification of agricultural activity in the hinterland, the core sector depends for distant production centres even vegetablels, poultry products etc. It is migrant group which gradually establishes small dairy and poultry units in the neighbourhood. It may also take to vegetable cultivation etc. 4 200

A.3

The skill differential between the high industrial activity and the primitive hinterland economy gets filled by the migrant groups who further displace the tribal. Thus, in the absence of a conscious effort to diversify the hinterland economy, the opportunity is lost and the tribal is bypassed,

<sup>\*</sup> Occasional Paper on Tribal Development-7 by Dr.B.D.Sharma Formerly Joint Secretary, Ministry of Home Affairs, Govt. of India; presently Commissioner for STs & SCs New Delhi.

in the secondary and tertiary sectors. The new even migration and the second generation of the first migrants are the growing manpower demands of able to meet new which are created as a result opportunities the effect of the Central Industrial Activity." multiplier Based on the analysis given above and the circumstances the strategy and objectives have been evolved prevailing; PROFILE THE THE THE STATE OF while drawing up this Plan.

#### Strategy and objectives:

Before explaining the objectives it would be useful A.4 mention the notable features of selective application of policy of 'Positive discrimination' proposed to рe here because of the commercial character of the which a symbiotic relationship is to be developed. Positive discrimination' as it is generally understood and concessions, preferential treatment to the implies Though such a policy is necessary for devalopment, a conscious decision to deviate from it is found necessary in the present context. Placing trust capability of the tribal and the delivery system, a level and multi-pronged approach is proposed to be adopted to enhance merit and quality of both the individual tribal his products so as to match the acceptivity level of sccu. This will be operated through a system of organically linked institutional framework and integrated schemes.

(A.5) The guiding principles of this policy will be

- to merit, quality, skills and standards prescribed by SCCL in the matter of direct employment, supply of items of stores and other skills needed. Effort will be directed towards upgrading the skills, qualifications and merit of the tribals in proximal hinterland to provide them direct and indirect employment.
- concerted action shall be taken by all the agencies concerned in the matter of framing the policy, implementation of Action Plan and monitoring the progress.
- above proposition might come into conflict with The A.6 age-old value judgements and beliefs that the tribals as group have a temperament and behavioural pattern of their own which does not allow them to acquire sophisticated skills and strive for materialistic gains. This is not altogether true. This is similar to "The American Creed" as described by Gunnar Myrdal in his book "An American Dilema", while proclaiming high ideals of equality of opportunity, freedom individual, irrespective of race, colour or creed, the actual treatment of Negroes is in direct conflict with the high ideals. Further there is a notion that Negroes have too little intelligence become anything but labourers. The tribal in our country has proved beyond doubt that is second to none in the matter of acquiring skills and is keen as others in facing competition with others in acquiring

\*

material wealth. What is required is that "the skill differential" has to be bridged and opportunity afforded to demonstrate it. For instance at one point of time grave doubts were expressed whether tribals would prove good as motor vehicle drivers, but those who had faith in the tribal, persevered and launched the scheme for training them with special care. Today there is a long list of tribals who are engaged in driving of light vehicles and Heavy Vehicles.

A I Official Segret.

- A.7 The following objectives are setforth to assess the scope for expansion of the extent of employment of tribals in SCCL and devise appropriate schemes to enlarge the intake and participation of tribals true as follows.
  - 1. a) Direct employment (Category-wise)
    - i) Unskilled
    - ii) Semi-skilled
    - iii) Skilled
      - iv) Technical
        - v) Managerial

r inne 9

- b) Indirect Employment:
- i) Self-employment in the township-ISB ventures
- ii) Self-employment in the proximal hinterland Agriculture Sector.

- iii) Self-employment in common facilitycum-production Centres, workshops to be
  organically linked with SCCD Gramming Control
  - iv) Self-employment on the lands of (SCC) near abandoned mines for raising horticultural crops and Social Forestry
- 2. a) To evolve suitable strategies for training tribals for direct and indirect employment and preparation of training programme profiles.
  - b) To establish appropriate linkages with tribal's Educational Institutions.
- 3. To delineate the proximal hinterland for implementation of Schemes.
- 4. To assess the manpower availability amongst the tribals on aptitude willingness and skill endowment basis.
- 5. To analyse the stores and other requirements of the SCCL with standards and specifications prescribed and identify specific items which tribals can supply.
- 6. To identify the controlled and other Commodities required for:
  - Common facility workshop-cum-production Centres, and
    - individual Tribal ISB, Ventures from Public and Private Sector Sources on Sole Agency System' basis

#### A.8 Scope:-

The Action Plan will cover the following aspects:

#### a) Time perspective

10 years perspective Plan in two phases with yearwise phasing, cost estimates and cost benefit analysis.

#### b) Spatial

- a) The operational area of the SCCL and the potential therein.
- b) The identified tribal hinterland of tribal and potential therein
- c) Other areas/institutions outside(a) and (b) above to be reckoned with and

1 1 1 te -

0.5

21-18-41

d) logistics of goods transport, storage and location details of institutions.

#### c) Functional:

- a) Job requirement and other stipulations for
  - i) Direct employment for unskilled
  - ii) Direct employment for skilled "
  - iii) Direct employment for Technical
    - iv) Direct employment for Managerial
      - v) Other categories to be identified.
- b) Deployment of staff and equipment required in Action Area
- c) Policy aspects:
  - 1. Organic linkage with:-
  - a. ITIs and Polytechnics in Sub-Plan area and SCCL;
  - b. Residential Schools, Ashram Schools, Non-formal Educational Centres in Sub-Plan area and SCCL:
  - c. Common Facility Workshops-cum-production Centres to be established and SCCL;
- Organising marketing outlets for the produce of the tribals
- Tie-ups for supply of controlled and other commodities from Public and Private Sector Units on Sole Agency system basis.

#### A.9 Methodology

Initially it was thought that 1) Cartographic technics 2) Survey 3)Interviews, observations, group discussions with target group 4) Preparation of technical summaries and appraisal report for each activity would be used as the techniques and tools, but as this process would be time-consuming and would unduly raise the hopes and expectations of the people long before concretization of the policy and

Schemes, it was considered desirable that the data should be collected from the secondary sources and a 10-year draft perspective plan prepared as a first order exercise to be vetted by experts.

A.10 In view of the vast diversity and technical nature of the activities and the complexities arising out of it following resource personnel are identified, so that any deficiencies in the Draft Plan can be made good by the line deparatments and SCCL.

#### Sarvasri:

Ranganaikulu : Chief Industrial Engineer, SCCL.

2. Narayana Raju : Addl. Chief Industrial Engineer, SCCL, Bellampalli

3. D.C. Gupta : Chief of Training, SCCL

4. T. Gopal Rao : General Manager, Ramagundam SCCL

5. Vyas : General Manager, Manuguru SCCL

6. Sudhir : Chief Personnel Managaer, Kothagudem SCCL

7. G. Balakrishna : Chief Engineer, Workshop and Power Houses SCCL

8. KRC Reddy : Special Officer to the Chairman, SCCL

9. Principal : Government Polytechnic, Kothagudem

10. Principal, ITI : Krishnasagar, Bhadrachalam

11. Officer to be nominated from Industries Department

12. Joint Director (H) Tribal Welfare Department

#### plan in Outline:-

The Action Plan is presented in six sections viz. A to F. The brief profile of each section is as follows:-

#### SECTION-A

Rationale for the project, strategy and objectives, scope, methodology adopted for collection of data processing and documentation. The strategy spells out the Plan for upgradation of skills of individual tribal and improvement in the standards and quality of products to match the 'acceptivity level' of the SCCL

#### SECTION-B

Descriptive account of the area and people of project, Agricultural land-holdings, educational institution facilities, manpower analysis of project area, socio-economic the villages in the project services status of classification of the identified region, ethnic composition, the organisation set-up of SCCL at Corporate, Area mining mining, underground and open-cast existing SCCL including institutional framework of the training facilities, total manpower of the SCCL and employment status of STs in this organisation.

#### Section-C

Direct employment and scope for tribal's participation, projected production levels including application of improved technology and projected manpower requirement for the first phase i.e. 1990-95. Identification of entry points and recruitment methods: manpower requirements of SCCL, capacity of existing educational institutions of the Project Area and Action Plan for identification and improving the skills.

#### SECTION-D

Analysis of Stores requirements of SCCL, identification of items which can be manufactured by Common Facility Workshop-cum-Production Centres and individual/Collective/Cooperative ventures and project profile of selected items for indirect employment of tribals in the hinterland which also includes Agriculture, Horticulture and Veterinary Schemes.

#### SECTION-E

Availment of facilities and concessions available on Statute Book, modifications and organic linkages of various institutions with SCCL and also procurement of scarce raw material and policy frame.

#### SECTION-F

Sources of finances, administrative and institutional activity phasing arrangements, and implementation, preparation micro-action plans of with implementation schedules and role οf Project Officers, ITDA, in implementation over-seeing and co-ordination.

#### SECTION-B

- (Identification of hinterland tribal villages Manpower analysis Social and Economic Services SCCL Organisation the Institutional framework Employment status of S.Ts. in SCCL)
- one of the 18 identified Coal and B.l Singareni is Lignite in the country. In Andhra Pradesh it runs along fields the River Godavari and it is located between 79 degrees 20 min Longitude and 81 degrees 30 min.East Longitude West and 16 dearees 45 min. South latitude to 19 degrees 30 min. North This belt covers parts of scheduled areas, Sublatitude. Plan Areas and other areas. It is spread over north-eastern portions of Adilabad, northern areas of Karimnagar, Warangal and Khammam districts. The SCCL area district Revenue Mandal and ITDA correlation is given in the following table:-

TABLE - 1

SCCL Area-wise No. of Revenue Mandals - Total Population and S.T. Population

Si Name of the No. Dist.	E P~	S. 2000		No. d Revenue Mandals fall- ing within the zonedinfluence of SCCL	Total population (In lachs)	S.T popula- tion (in lakhs)	No. of Identi-fled villages in the preject area.	Total ST 1- popu- po- lati- pul- ges on at- e ct
		† † † † † † † † † † † † † † † † † † †				\$1 	9	10 11
1.Adilabad.	16.39	2.73	1.Bellampalle 2.Mandamarri 3.Ramakrishnapur 4.Srirampur 5.Chinnur	19 TT	9.62	0.86	303	2.32 0.75 Utnoor
2.Karimnagar	24.36	0.61	7.Remagund an I 8.Remagund an I 9.Remagundem(P)	9	2,88	0.16	116	2,19 0,14
3.Warangal	23,00	2.93	10. Bhoopal palle	ω	2,19	0.44	149	0.92 0.35
4 . Kh ammam	17.52	4 - 30	11.Koth egud em 12.Yellandu 13. Wanugunu 14.Cherla	55	7.79	2.60	587	7.27 2.56 Palonch
	81,27	10.57			19.48	8-x-z-z-z-z-z-z-z-z-z-z-z-z-z-z-z-z-z-z-	1155 ·	12,70 3,80
		(13,01%)	N			1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	11	.99°£6)

B.2. For the purpose of identifying proximal hinterland (PHL) all the mandals through which the coal belt runs were included and with in such mandals villages having 40% or more tribal population were included. The following Table shows the Dist. Wise number of mandals and number of villages identified with high or low density of population.

Sl.		Total Mandals Identified as proximal hinterland	No. of high ST density villages (above 50%)	No.of low ST density villages between 40% to 50%	No. of identi-fied man-dals with high density S.T. Population.	No. of Mandals with low density S.T.popu- lation.
1	2	3	4	5	6	7
2. 3.	Adilabad Karimnagar Warangal Khammam	19 6 8 22	155 23 , 87 . 268 .	141 89 59 235	3 2 3 8	16 4 5 14
		55	533	524	16	39

- 1) Col 6 and 7. High density = Consists of majority of villages with 50% and above S.T population
  - Low density = Consists of majority of villages with S.T population ranging between 40% to 50% and sub-plan villages.
- 2) There are 98 villages which are deserted no population.
- B. 3. In the four districts viz., Adilabad, Karimnagar, Warangal, and Khammam where the 14 SCCL operational Areas lie, the S.T. Population of the Districts is 10.57 lakhs, constituting 13.01% to the total population of the districts. In the 55 mandals identified as proximal hinterland, the total population is 19.48 lakhs, out of which 4.06 lakhs is

S.T. population constituting 38.41% of the total S.T. Population in the four districts. Out of this 3.80 lakhs or 93.60% of the tribal population of 55 identified mandals is proposed to be covered. The total geographical area which will be covered is 11078 Sq.Kms (For details of villages Mandal and district refer Annexure - I. and for Mandal wise details of high and low density population refer Annexure - II)

#### Land Holdings:

B.4 The number of S.T. house holds is estimated at 0.75 lakhs. The District-wise size of S.T. land holdings is as follows:

Table No. 3.

District wise S.T. Iandholdings and their size:

sı.	District	No.	of S.T. Land	holdings		- Total	
*.	et.	Below 2.49 Acs.	Below 4.99 Acs.	5 Acres above.	and	local	
1.	Adilabad	2545	2790	9328/		14663	
2.	Karimnagar	21	9	. 20	r	50	
3.	Warangal	3038	2371	1593		7002	
4.	Khammam	7629	5535	8290		21454	
<del></del>	Total	13233	10705	19231		43169	

B.5. The main crops grown are Jowar, Greengram, Redgram, Maize, Paddy, Chillies and Tobacco.



#### MANDALS IN PROXIMAL HINTERLAND

Name	of 	the	Dis	tri	= <b>t</b> 	Mandal	Code No.	Name	of	the	Manda	ı 1 
I.	Ad	ilaba	ad .		19	Mandals	01	Wankh:	idi			
				_			02	Kagaz	Nac	gar		
							03	Sirpu		_		
							03	Sirpu		חשכ		
							05	Bijju				
							06	Dehaga	aon			
							07	Veman	oal.	le		
							08	Kotapa				
							09	Chenni				
							10	Jaipui	-			
							11	Manch		al		
							12	Laxxe				
							13	Dander	-			
							37	Asifal	bac			
							41	Mandar	marı	ri		
							42	Bella	mpa	lle		
							44	Kazipo	et			
							45	Tirya	ni			
II.	kar	imnaq	gar		6 M	andals	01	Ramag	und.	ms		
							02	Kaman	pur			
							03	Manth	ini			
							04	Katar	am			
							05	Mahad	eyp	ur		
							06	Mutta	ram			
III.	Wa	ranga	al .	. 8	Mai	ndals	01	Chity	al			
							02	Bhupa		lle		
			5.)				03	Venka				
							04	Eturu	•		.m	
							05	Manga		_		
							06	Tadva				, .
						•	07	Kotha	gud	em		,
							29	Ghanp			ug)	



Name of th	e District	Mandal Code No	o. Name of	the Mandal

IV.	Khammam	 22	Mandals	01	Wazeedu .
				02	Venkatapuram
				03	Cherla
	•			04	Dummagudem
			•	05	Bhadrachalam
				11	Sathupalle
			ŧ	13	Fenuballi
			•	27	Kamepalle
			1	28	Garla
				29	Bayyaram
				31	Pinapaka
				32	Manuguru
				33	Aswapuram
				38	Chandrugonda
				39	Julurpadu
				40	Enkuru
				41	Konijarla
				42	Singareni
				43	Yellandu
				44	Tekulapalle
				45	Kothomidalle
				46	Kothagudem Palwancha
				, 0	' GIMGHEDA

B.6. This is the proximal or Core hinterland. Gradually the area may have to be enlarged to bring into the fold of Action Area more tribal villages after further assessing the sustaining capacity of the focal points of economic activity during the first phase of the project:

B.7 The following institutions in the identified area are to be organically to the SCCL. The chenchu institutions are linked with PHL as the Chenchu population faces a special predicament with 'Tiger Project' covering a major portions of their habitat, loss of traditional occupation of serving as guides to piligrims and the consequent severe limitation on the capacity of the area in providing gainful employment to educated chenchus.

Table No.4

Li	st of Residenti	al I.T.Is and	enrolm	ent of S.T.	Students.		
s. No	Location/ . District		ntake acity	No.of seats reserved for S.Ts	duration of the course	Preser status S.Ts (1988-	of
1	2	3	4	5	6	7	
1.	Bhadrachalam Khammam Dist	1. Fitter	20	18	2 Years	18	lst year
	(Tribal).	<ol> <li>Motor</li> <li>Mechanic</li> </ol>	20	18	н	16	"
	,	3. Electricia	n 20	18	ττ	17	11
	·	4. Electronica	s 20	18	11	14	11
	•	5. Instrumen- tation Mech	-	18	" n	Cour ot star	
					<del> </del>	<del></del>	
(1	) (2)	(3)	(4)	(5)	(6)	(7)	
2.	Mannanoor	1. Fitter	20	18	2 Years	18 ls	st Yr
	Mahaboobnagar	2. Motor Mech		18	Ħ	18 '	
	District	3. Electricia		18	46	17 '	ı
	(Tribal) .	4. Electronic		18	11	19 '	1
		5. Instrumentation Mech.	a- 20	18	11	9 '	1
3.	Utnoor	l. Fitter	20	18	11	2 '	ŧ
	Adilabad	2. Motor Mech	. 20	18	u	16	
	District	3. Electricia	n 20	18	n	17	
	(Tribal)	4. D.M.(Civil	) 20	18	ш	14	
		5. D.M.(Mech)	20	18	**	_	
		6. Stenograph	y 40	36	11	7	
						•	

& Typewriting.

(1) (2)	(3)	(4)	(5)	(6)	(7)
4. Kothagudem Khammam District (General)	1. Fitter 2. Motor Mech. 3. Electrician 4. Mechinist 5. Turner 6. Welder	20 20 20 20 20 20 20	2 2 2 2 2	熟鄉	3 1 1 1 2

Table No. 5

List of Residential Polytechnics and enrolment of ST students.

Sl.	Location	Trade	Intake capacity.		No.of seats reserved	Dura- tion of the course.	Present status of the batch		
							lst	Yr.2nd Yr.	3rd
1.	2	3	4	•	5	6	7	8	9
1.	Bhadrachalam Khammam Dist. (Tribal).	DCE DEE DME	50 40 50	٢.	25 20 25	3 Years	25 20 27	7 10 17	3 3 9
2.	Srisailam Kurnool Dist (Tribal)	DCE DEE DME	50 50 40	uf U	25 25 20	11 11	18 19 25	11 1 25	3 - 24
3.	Kothagudem Khammam Dist. (General)	DCE DME D.Mining.	50 50 40	tin.	. <del>-</del> -	- - -	2 3 2	1 1 2	0 0 2

Enrolment of S.Ts in Degree and P.G. Courses.

Sl. Location	Trade	Intake capacity.	No.of seats reserved	Dura- tion of the course.	Present status of batch STs			
v ve= or	-		for S.Ts.				3rd Yr.	4th Yr.
1. 2	3	4	5	6	7	8	9	10
1.School of Kothagudem, Khammam Dist	Mining	25	_	4 Yrs.	2	1	2	1
Turamenam 525	b) M.Sc. Geology		-	2 "	1	2	-	-
	c) M.B./ (Part-		<del>-</del>	3 "	1	-	-	-

B.8 Similarly the following Residential schools, Ashram schools can be linked with the system which is proposed to be evolved. The following are the particulars of Residential schools. For details of Ashram Schools refer Annexure-III.

Enrolment of S.Ts in Residential schools - District wise.

Sl.	Location of the residential school	Sanctioned/Present strength in the class							
		III	IV	V	ΛΙ	VII	VIII	τx x	· .
1.	2	3	4	5	6	7	8	9	10
1.	Utnoor		0	90/70	90/88	90/82	90/79		
2.	Asifabad	60/	60	90/	90/	90/	90/		The state of the s
3.	Adilabad	60	60	90/	90/	90/	90/	90/	90/
4.	Ashoknagar			90/89	90/84	90/81	90/86		
5.	Eturnagaram	60/55	60/106	90/79	93/89	90/81	90/88	90/68	
6.	Bhadrachalam	60/52	60/57	90/65	90/85	90/72	90/71		
7.	Kinnerasani	60	60/60	90/75	90/90	90/ 83	90/90	90/63	9 <b>0</b> /87
8.	Chintoor	60/28	60/19	60/38	, V.,	sal in	. •• • ↑		
9.	Mannanoor	60/23	60/17	60/36				-	.•
10.	Srisailam	60/	60/18	90/40	90/48	90/54	90/58	90/64	90/67 :
11.	Nagarjunasagar	60/60	60/56	60/55					
12.	Y.Palem	60/35	60/52	60/43			•		

- B.9. The above institutions are identified for the purpose of introducing training in selected vocations and selection of candidates for admission into identified I.T.Is and other Transning Centres.
- B.10. Non-formal education centres sustain only in villages which have at least 20 to 25 school dropouts in the age group 9-14 years in a village where suitable teachers are available for imparting coaching in the capsule course (4 six monthly sessions to enable the candidates to clear the VII class and join the main Educational Stream) These centres are being run

by the Education Department. In the proximal hinterland identified such centres will be attached to Common facility workshops—cum—production centres also as the number of villages where Non—formal Education Centres can sustain in the Proximal hinterland is limited.

B.11 The status of various economic/Social service functions in the PHL district—wise is as follows:

Table. No. 8

District wise-economic/social service functions in the PHL area.

S1	.No. Facility	Adilabad (No.of vi	Nagar	Waran- gal	Kahmmam	Total €
1.	2.	3	4	5	6	7 8
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	Bank Bus stop Post Office Primary school Upper Primary School High School PHC/Sub-Centre Govt. Hospital Dispensary Private doctors Fair price shops Electrification Pucca Road Shandy Agl.Market Yard	34 45 83 184 14 12 1 3 4 1 120 157 47 26	11 44 37 98 16 7 1 3 11 5 85 21 6	20 47 54 85 10 5 2 13 6 48 79 23 8	26 356 195 389 74 45 9 12 26 107 206 390 204 13	91 (7.88) 492(42.60) 369(31.95) 746(64.59) 114( 9.87) 69( 5.97) 13( 1.12) 20( 1.73) 54(14.67) 119(10.30) 432(37.40) 711(61.56) 295(25.54) 53( 4.59) 20( 1.73)
	Veterinary Institutio	•	14	18	82	153(13.25)

Precentage coverage given in paranthesis in Col(8).

Source: Mandala Gananka Darshini, Published by CPOs - Adilabad. Karimnagar, Warangal, Khammam.

B.12. As stated in Section-A it is necessary to identify the proximal hinterland (Zone of Influence) so that, besides direct and indirect employment in the project sites of the SCCL, necessary infrastructure geared to meet the needs of

1 1 20 1 1 1 1 24

the mining complex can be builtup and suitable schemes for the benefit of the hinter land tribal population can be launched in order to take advantage of the manpower, commodity, goods and support services demand around the mining activity.

- B.13. A four-fold classification of the tribal areas has been made by Dr. B.D. Sharma\* in this context, which is as follows:
  - i) Compulsive regions Areas where large scale industrial and mining complexes already exist and potential areas.
  - ii) Primitive Regions Areas with extremely backward socio-economic situation - excluded from the list of candidate Areas for intensive industrial activity in the immediate future on human consideration.
  - iii) Potential Regions Areas which have high population pressure and rich resource endowment.
    - iv) Other Regions Areas which do not fall under first three categories.
  - The above classification has evidently been made at the в 14. National level taking into account macro level situation. But in the context of the situation prevailing in Andhra Pradesh and specially with reference to the industrial mining activity already launched the area does not lend itself to classification exclusively under any one of the above categories because the coal belt runs through different answering the description given under areas all the sections categories. Relatively advanced ο£ tribal population, the relatively backward and primitive tribal groups are found in this tract. The zone of influence lies in the Gond Kolam Region of Adilabad Dist. Koya Konda Reddy

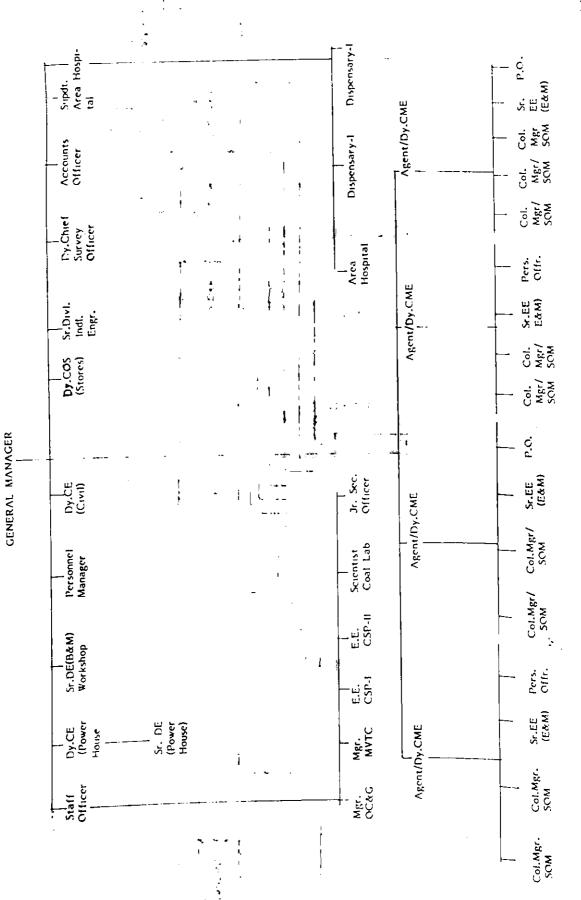
<sup>\*</sup> Dr.B.D. Sharma, Formerly Joint Secretary of Home Affairs, Govt. of India, New Delhi. Presently Commissioner of Sc and STs, Govt. of India, New Delhi.

Region of Karimanagar, Warangal and Khammam districts as classified by Dr.K.Mohan Rao.\*\* The tribals inhabiting this area are Lambadas, falling in the 1st category, Gonds, Naikpods, Andhs, Koyas, who can be classified in the second category and Thotis, Kolams and Konda Reddis who are already recognised as primitive tribal groups.\*\*\* The coal belt lying in Adilabad is 'compulsive region' and with extension of projects to chennur, Gollet, Srirampur and other areas, 'Primitive' and 'Potential regions' covered. The Karimnagar coal belt is again a 'compulsive region' with mining and industrial activity already existing with pressure of population. The coal belt in Warangal answers the description of both primitive and compulsive Region as also the existing and new mining areas in Khammam District.

<sup>\*\*</sup> Dr. K. Mohan Rao, Director, Tribal Cultural Research & Training Institute, A.P. Hyderabad.

<sup>\*\*\*</sup> Naikpods of Warangal Dist exhibit all the characteristics of a primitive tribal group, low level of literacy; pre-agricultural level of technology and small isolated population.

CHART - III

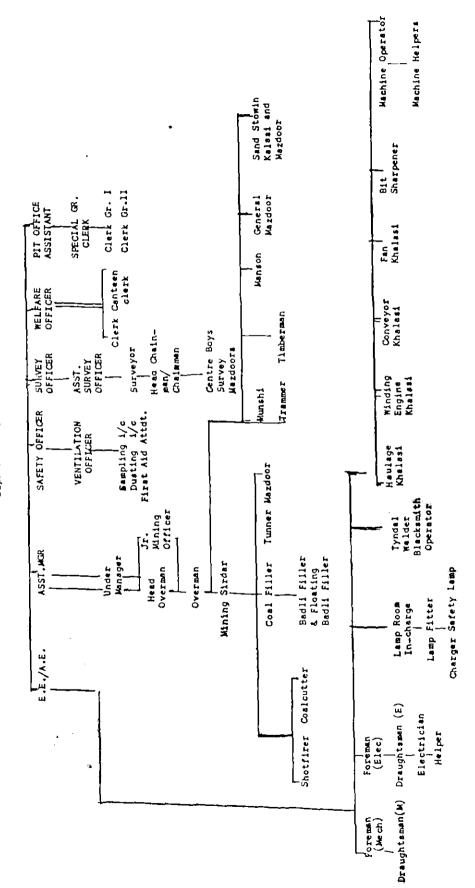


\* . .

CHART-IV

# UNDERGROUND MINE

Colliery Manager/ Supdt. of Mines



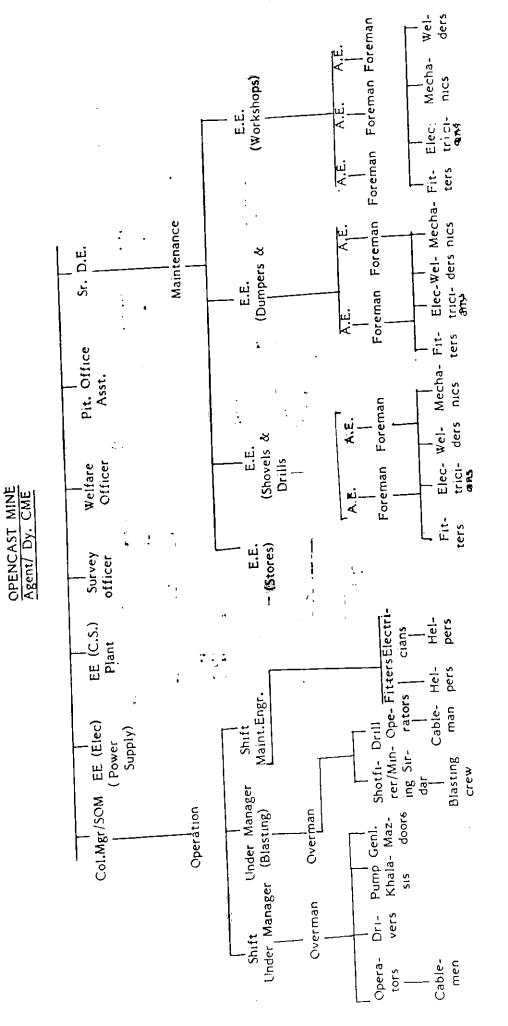


CHART-V

#### Existing Institutional Frame work:

B.18. As the strength and weakness of existing institutional frame work will to a large extent influence the course of the action plan, the status of Educational Institutions right from Primary stage upto college level are given and also the training facilities in the SCCL are discussed.

#### 1. Mining Vocational Training Centres

B.19. There are (9) such centres established as per the Act for operation and maintenance personnel attached to each area. A 21 days training is given to the new recruits basically for acclimatisation.

These centres are located at the following places:

- 1. Kothagudem
- 2. Yellandu
- 3. Manuguru
- 4. Ramagundam I
  - 5. Ramaqundam II
  - 6. Ramakrishnapuram
  - 7. Bellampalle
  - 8. Mandamarri
  - 9. Srirampur.

#### 2) Related Instructions Training:

B.20 There are 3 such centres which are meant for acquainting the trainees with the actual tasks tobe performed by candidate recruited as Apprentices. The training is imparted in all the trades. These three centres are located at 1) Kothagudem 2) Ramagundam 3) Bellampalle.

- 3) Technical Training Centre:
- B.21. This is a central institute for imparting Technical training to operation and maintenance personnel of opencast projects. Dumper Operators, Drill operators, Shovel Operators, E.P. Fitters, E.P. Electricians, Auto Electrician, Supervisors/ Executives who are fresh recruitees have to undergo 12 months training. This centre is located at Manuguru.
  - B. 22. There are (6) workshops of the following categories:
    - i) Central workshop for Steel casting and machine building.
    - ii) Area workshop for conventional mining in eight areas
       ie., i) Kothagudem ii) Yellandu iii) Manuguru
       iv) Ramagundam v) Ramagundam (P) vi) Bellampalle
       vii) Mandamarri and VIII) Ramakrishnapuram
    - iii) Main workshop for tubes hawlers fabrication and rollers manufacturing at Kothagudem.
      - iv) Central Auto workshop at Kothagudem.
        - v) Auto workshops at Koathagudem, Yellandu,

          Manuguru, Ramagundam, Bellampalle, Mandamarri and

          Ramakrishnapuram.
        - vi) Unit workshop for open cast at Yellandu, Manuguru, Ramagundam (P) and Golleti
  - B.23 19 more workshops are planned upto the year 2000 A.D at the following places:

Table No. 10

### (Proposed workshops and their location)

S1. Name and type No.	Location	Year of commission	Purpose
1. Central Workshop Opencast.	Ramagundam	1993-94	Company repairs of all equipment of HEMM and other opencast m/c of SCCL.
2. Regl.Workshop Opencast.	Manuguru	1993	To a limited extent of repairs to all OC equipment of Kothagudem, Manugur and Yellandu.
<ol><li>Central Longwall Workshop.</li></ol>	Ramagundam	1993–94	To overhaul LW Face equipment and associate machine mining units of entire SCCL.
4. Area workshop conventional Mining.	Bellampalle	e 1993 <b>-</b> 94	To fabricate the requirements of conventional mining and to maintain machinery and surface installation.
5. Area workshop conventional Mining.	Chinnoor	1994-95	To fabricate the requirements of con-ventional mining and to maintain main machinery and surface installation.
6Do- 7Do- 8. Auto workshop	Khairaguda Srirampur Bhopalpalli	1989-90	-do- -do- Maintenance servicing Area Divisional Fleet of vehicles.
9do- 10do- 11do- 12. Unit workshop opencast.	Chinoor Khairaguda Srirampur Golleti	1994–95 1997–98 19 <b>9</b> 9–90 1993–94	-dododo- Daily maintenance of HEMM. Major repairs will be carried out at Regional workshop, Manugur and CWS Ramagundam.

			4	5
1	2	3	<del></del>	
13.	-DO-	Khairaguda	1993-94	-do-
14.	-DO-	Ramagundam OC iii	1991-92	-do-
15.	-Do-	Metapalle Ramagundam	1992-93	-do-
16.	-Do-	Manugur (OC (iii)	:)1995-96	-do-
17.	Unit workshop opencast.	Cherla ∝	1997-98	Daily maintenance of HEMM.Major repairs will be carried out
	en de la companya de La companya de la co		t , thu	at Regional workshop Manuguru and CWS Ramagundam.
18.	-do-	Dorli ∝	1997-98	-do-
	-do-	Ramagundam OC (ii)	1992-93	-do-

The above institutions are identified for the purpose of B.24 building up organic linkages\* with existing I.T.Is for S.Ts. Polytechnics and Proposed Multipurpose Common Facility Workshop-cum-Production Centres mentioned in Section B (1).

Source: SCCL Kothagudem.

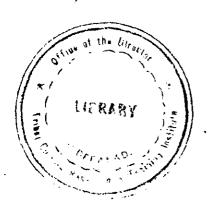
This aspect is dealt in Section dealing with 'Policy implications ?

#### Status of Employment of S.Ts in SCCL.

B.25 Singareni Collieries follow the Rule of Reservation and Roaster system. The main difficulty in appointing STs are enumerated hereunder category-wise:

#### A. Hospitals: (Paramedical Staff)

#### i) Junior Nurse:



The qualification prescribed for the is Intermediate + post Nursing and Mid-wifery Certificate (3 1/2 years duly recognised by the Govt. These posts were notified to the Employment Exchanges and also advertised. No S.T candidate was sponsored by the Employment Exchanges and the vacancies have been notified to the Director of Employment and Training, Hyderabad with a request to circulate the vacancies to Employment Exchanges in the State of A.P. Sufficient number of candidates were not available.

Since the candidates for these posts are not available, training is being given to S.T. Candidates in SCCL Nursing School. They will be appointed against the vacancies, soon after completion of their training successfully.

#### ii) Compounders:-

The qualifications prescribed for the post are S.S.C and Diploma in Pharmacy (2 years course) duly recognised by the Government of Andhra Pradesh. The recruitment for the posts took place in December 1986. No. S.T. candidates were then available.

## iii) Physiotherapists:

• . .

The qualifications prescribed this post are S.S.C. and Diploma in Physiotherapy (3 years course) from a recognised Institution. This post had been notified to the Employment Exchanges besides giving From the Employment advertisement. Exchanges no candidate from S.T. was sponsored. application No Was received from S.T. candidates in to advertisement. response The selection for this post took place in December, 1986.

#### iv) Lab-Technicians:

Now notified to Employment Exchanges requesting to sponsor candidates belonging to S.T. vide our Lr.No. (PM) 4/672-A/2486, dated: 6-8-88 of SCCL.

#### v) Junior Sanitary Inspectors:

The carried forward vacancy has been filled up in March'88.

vi) X-ray Assistants: There was no recruitment for this post during 1.1.84 to 31-12-1987.

#### C) Engineering (Mechnical/Electrical/Electronics):

## i) Asst. Executive Trainees/Junior Executive Trainees:

- 1. The qualification prescribed for this post is Degree in Mechanical/Electrical/Electronics Engineering.
- 2. Post was advertised besides notification to Employment Exchanges. No candidate belonging to S.T. was selected even after relaxation applicable was given.
- 3. Special recruitment is being proposed to fill up the back long vacancies for ST/SCs.,

# ii) Foreman Trainees: (Mechanical)

The qualification prescribed for the post is Diploma in Mechanical Engineering. Recruitment for the post took place in March 1986 by open advertisement. One post was reserved for S.T. candidate which was filled up by a candidate belonging to S.T.

#### iii) Foreman Trainees (Auto):

Qualification prescribed for the post is Diploma in Automobile Engineering. Recruitment for the post took place in March 1986 by open advertisement. One post was reserved for S.T. candidate. No. S.T. candidate was available.

## iv) Asst. Foreman Trainees: (Electrical):

Qualification prescribed for the post is Diploma in Electrical Engineering. Recruitment for the posts took place in November, 1985. One post was reserved for S.T. candidates. No. S.T. candidate was available.

1.4

#### v) Operators:

#### a) Dumper Operators:

The qualification prescribed for the post are a) Pass in 7th Class b) 3 years experience as Heavy Moving Machinery operators. These posts were advertised apart from giving notification. No. S.T. candidate applied for the post. Hence 4 vacancies for S.T. candidates are unfilled.

#### b) Operator Trainees:

- 1) The qualifications prescribed for the post are a) pass in 7th class b) 3 years experience as Lorry Driver. The selected candidates were/are imparted training for a period of six months at Company's Technical Training Centre/Manuguru.
- 2. There are 7 carried forward vacancies for S.T. candidates.
- 3. There are vacancies yet to be filled in. Separate selection shall be held to fill up these vacancies.

#### c) Others: i) Clerks:

There was no recruitment from 1-1-1984 to 31-12-1986. 32 vacancies

notified to the S.C. & S.T. Cell during the year 1984. Only 6 candidates were available then and were apppointed as Clerks. Another special recruitment was held in November, 1987. Only 4 candidates were appointed in Nov. 1987. Still there are 27 carried forward vacancies reserved for S.Ts.

B. 26 The position of recruitment of S.Ts. is given in the following statements:-

or the I

· · · .. .

STATE MENT INDICATING EMPLOYEES RECRUITED AT CORPORATION LEVEL FOR ALL COLLIARIES FRM 1-1-80 to 31-12-87/1-1-88

							   	1				
Namenclature of the category from highest	Total No. of	Total No. of		1   (1   1   (1				FROM THE	_=_=_=		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 1. 1.
•	. posts in each	S.T. emplo- yees	By dire- ct re-	By pro- mot-	By Tran- sfer		Vo. of Vacan cies	Carried forward S.T va-	No. of vacan-	No. of Vacan-	Back log	: #
•	cate- gory	in ca- tegory	oruit- ment.	ion		4,5&	. 5	cancies as on 1st Jan 1980 ie. Backlog)	fil led by S.Ts since	filled by Mon STs since	31-12/ 8/ 1/1/ 88	r in a constant of the constan
				5			ĮĮ.	ii	10		=-=-=== 12	13
NSBRING: anical/Blect. necring:	1	 	 			r 	ii t u t t	1 1 1 1 1 1 1 1	. H . F . H . H . H . H	13 14 14 14 14	1 11 11 11 1 1 1	1) \$ # 1
1. A.E Trainees/J.Ex., Trainees(Mech&3lec) to be appointed as AEs., after one	194	<del></del>	194	ŧ	1	19.1	Ø	ĸŎ:	<del>-</del>	1	<u>.</u>	
year training.										*	-	
2. A.E.Trainees (Electronics)	18	ı	18	•	•	13	₹-	1	•	ı	-	
3. Foremen Trainees(Auto)	14	ţ	13	t	1	13	-	ı	ı		•	
4. Foremen Trainees (Mech)	31	ı	31	ţ		31	-	ı	<b>←</b>	1	ı	
5. Asst. Foremen Trainess (Electrical) Clvil Engineering:	30	ı	29	1	ı	29	4			ı	<del></del>	
6. Draugntsmen(Civil	9		2	ŧ	•	ĸ		t		- No. sinc	recrut e. 198	taent 4

H)

STATE MENT INDICATING EMPLOYEES RECRUITED AT CORPORATION LEVEL
FOR ALL COLLIARIES FRM 1-1-80 to 31-12-87/1-1-88

- 以6日本日午日1日8日8日8日8日8日8日8日8日8日8日8日8日8日季北澤中3日末日本総議官301	);	11   11   12   13   14   15   15   15   15   15   15   15	# H + H + H + H + H + H + H + H + H + H	(t) +	0 to 10 to 1			)   			1	] 1 1 1
-	۷	ĸ	খ	Ŋ	9			თ 	19	-	12 17	  1  1  1
overseers(Civil) 27 - 25	27		2 5	11 6 11 8 B 11	() () () () () ()	2.5	i ii ii ii iii iiiiiiiiiiiiiiiiiiiiii		Į.	•	Now the pent: at Trained Notifie	rectuit- Overseærs s is onhand d to Empl-
B.HOPSFITKL:	-		·			٠		,		,	oyment B These vac shall be	t Exchenge, vacancies he filled
(Para Wedical Small)	308	<b>t</b> :	286	í,	1.	286	13	7	<del></del>	1	14. These variable	vacancies notifiel
<b>18</b> .	·						**	•			also to Direct for SCa/STs. F Vide Notificat No. P(PM, 4/3)	irectorate Tr. Hyd., floation 4/3294/
Compounders:	31	ı	27	1	ı	27	•	-	r		2525, dt:	9-8-1988.
3. Jr. Sanitary Inspectors 24	. 54		. 23	ı	1	23	<u>-</u>	1				
		•					<b>*</b> • .		<u>.</u>		This vacancy har	nas been rch. '88
4, Lub-Technicians:	19	•	17	ı	•	17	t	-	•		<del>-</del>	
5. Physiotherpists	9	1	5	i	ŧ	<b>1</b>	<del>-</del>	1	ı		10 A	. U .
■以金利運動車行車行車計車計車制車制車計車計車計車計車計車計車計車計車計車付車付車目車計車目車				(); † !! 1;	6 0 1 1	11 1 1 1 1 1 1 1	# # # # # #	1	11 11 11 11	ñ Β Β 1		爱 T T T T T T T T T T T T T T T T T T T

STATE MENT INDICATING EMPLOYEES RECRUITED AT CORPORATION LEVEL FOR ALL COLLIARIES FRM 1-1-80 to 31-12-87/1-1-88

į			1	!	1	. !						
<del>-</del>		2	<b>.</b>		5 6 7	9	# C	8	9 10	10	# #	12 13
 	#	1 19 9 11 11	   	 	 4 U C I I I I I I		#	6 0 13 14 14			# H H H	tiens is the many and the contract of the cont
ΰ	c) Operators:-											
<del>د۔</del> ه	Dumper Operators:	105	•	96	t	<b>*</b>	96	4			ı	·
Š	2. Dumper Operator Trainees	261	t	257		. •	257	12	ı t	י דע		
A	D) General:									•	l	-
۲.	Pit Office Assistants	29	•	27		ı	27	-	ı	-	ı	ì
ŝ	Welfare Officer Trainees	63	1	62		ı	62	К	i	2	ı	•
8	Watchmen	315	•	302		t	302	15	i	4	ı	12. Ex.Defence person-
			•		•	ı					t I	s have been re- reculted.
₹	4. Clerks.	282	; t	230		•	230	-6	30	44	1	27(1)Special recruitment shall be held.
r,	5. Asst. Chemist. Trainets:	25	1	25	t	t	<b>5</b> 2	<b>-</b> -		•	ŧ	<ul> <li>Recruitment is on hand.</li> </ul>

LEVEL	
AT CORPORATION LEVEL	11-12-87/1-1-88
RECRUITED	1-1-80 to 3
STATE MENT INDICATING EMPLOYEES RECRUITED AT CORPORATION LEVEL	FOR ALL COLLIARIES FRM 1-1-80 to 31-12-87/1-1-88
STAT	

							日子 時にする		1111	1111111		1	
	6.	₩	4	5		9	7	8	6	ţ.	=	12	13
经专项条件 电比多性 电铁电阻 电线电池 化多比单比 电计多比率 医抗电压		# # # # # # # # # # # # # # # # # # #		1 1 1 1 1 1 1 1	# 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1	H - B - B	11	)) 	(*		; ; ; ; ;		) 
S. SINGARENI SCHOOLS													
1. T.G. Assistants	125	•	Yes	ı			1	1	2	ŧ	•	- No r	No recruitment after 1980.
2. SGBTs.,	393	- <del>4</del>	ı	•		1	1	16	•	-	ı	15 · Vac	5 Vacancies notified to the Amelorant
						,0		·, -	- Vide Ioos was s		our Lr.No. Dt: 12-4-1	exc CTE/S/17 88, No	exchange— 8/17-16/88 60 condidate
3. Lontessory Terchers Grail	9 1	1	ŧ			ŧ	1	ı		. 1	ı	75 45 1	No. recruit.
4. Sr.foluga Pandits.	29	ı	•	•			ı	ì	7	1		22	mont ***
	23	-	, ,	i i		,	t	t	1	ı		``~; 	1980.
6. Phy.Directors	9	ı	1	•			1	t	•	1	ı		
7. Montessory Penchars Graff	00	1	ı		•		•	•	-	ı		<b>~</b> ,	r.
	2.1	1	ı	•			ı	<b>.</b>	•	ı			otified to
	15	ι	ι	•				▼	ı	•		- •	change Bo
	1.8	1	•	<b>.</b> Ŧ		ı	•	<b>-</b> -	•	1		~ ~	condidate mas aponsorad/ responded
11, Clerk/Typists	73.	ι	ı	•		ı	1	m	-	8	ι	~	Not if ied
12. Record Assts.	22	•	ı		,		1	- ,	1	1		~~~	to the Jap. Exe- hanges.
13. Class-IV Employees	. 91	, , ,		ا په	i A		•	<b>K</b>		9	ı	<del>ص</del> ت ا	
		¥	-			j	1	, ;					
		16 17 17 10 10	B S						1 1 1	-  -  -  -  -	F 		A () ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )

STATE MENT INDICATING EMPLOYEES RECRUITED AT CORPORATION LEVEL FOR ALL COLLIARIES FRM 1-1-80 to 31-12-87/1-1-88

	2	3	4	ر ا ا	9	7	8	6	10	11	12	13
4 u				<b>.</b>		;   - 	[   	 	i {   			 
					•· •	ļ		بانسا				
1. Principal	-	, );	t	•	<b>)</b> -	į	1	1	Ţ.	) - T		1
2. Lecturers	09	1		ŧ	Ť	<b>1</b>	ă.	HL.	ì	-1		= 3.No recruitment after 1980
3. Jr.Lecturers	М	t	1	•	ı		1	t t	í	ı		i
4. Phy.Director	-	ı	•	•				1	ı	1		:
5. Lab. Assistant	•	1	4	1	•	,	,	•	1	1		1
	-	ı	t	i	ı		1	•	1	•	1	,
7. U.D.C	-	ı	1	ı	ı	ı		1	ı	i	•	•
8. Clarks/Typists	9	t	1	1	ı	ı	1	; ;	ı	1		
9. Librarian	~	ı	t	ι	1		1 -	1	l	•		1
10, A.cordssts.	14	ᆏ	r	ı	ı	ı	<b>-</b> -!	<del>-</del> 1	ı	1		
	16	77	1	1	ι	ı	ι	1	1	•		1
12. Touse -keeper	•	•	ı	ı	1	ı	ı	ı	1	.,1		1
G. TEAINING UNDER APPRENTICES ACT, 1961.	TICES	19€1.										
1. Mining Graduate Trainees 14	140	₩.	t	t	ť.	ï	6	<b>←</b> 1	ı	ω	•	Qualificd candidates not available
2. Jr. Mining Engineer Trainees	270	7	8 .	q	ı	t	7		~	7		
3. Trade Apprentices	966	. 46	E	1	ı	•	46	- 4(	- 9	t		t t

B. 27 The position of recruitment of S.Ts as floating Badlies is given in the following statement:

Sl.	Year	No. of persons recruited	to be se	lected he rule	No.of S.T. candidates selected	% of S.T. candidates selected	
1.	1985	810	49	)	238	29.5%	
2.	1986	696	4)	l	227	32.6%	Įî.
3.	1987	96	· · · · · · · ·	5	22	22.9%	

#### SECTION - C

# Employment potential in SCCL: (Direct Employment)

C.1

Any estimate of the present man power requirement and take projected requirement in SCCL must into consideration the fast changing technology that is being employed and also the categories which constitute the entry point while taking into account the availability, willingness, aptitude and qualified etc., amongst the tribals. The position is discussed here by categorising the jobs as unskilled and skilled, technical The technology-wise production, programme managerial. has also been kept in mind for the period 1990 to 2000. Mechanised (Opencast) mechanised (Long wall) special methods - Mechanised board and pillar, Convential board and piller operations as projected show the following trend.

Technology wise production projected as percentage of the total anticipated production\*

Table No. 11

Sl.		Convential Board & pillar	Mechanised Open cast	Mechanised (Long wall)	Other methods.
1	2	3	4	5	6
	1990-91	55.76	31.38	8.42	4.44
3.	1991 <b>-</b> 92	48.37	36.38	11.18	4.07
	1992 <b>-</b> 93	44.78	35.95	15.58	3.69
	1993 <b>–</b> 94	48.92	40.16	3.26	17.66
	1994 <b>–</b> 95	37.20	40.35	19.27	3.18
	1995 <b>-</b> 96	34.98	40.35	21.77	2.90
	1996 <b>-</b> 97	33.30	41.68	21.98	3.04
	1997 <b>-</b> 98	32.41	41.05	23.59	2.08
	1998 <b>-</b> 99	32.23	40.42	24.46	2.89
10. 	1999-2000	32.50	39.97	24.69	2.84

<sup>\*</sup>Source : SCCL Kothagudem

: .5

- C.2 Conventional mining which is estimated at 55.76% in 1990-91 will gradually decrease to 32.50% by the year 2000 giving place toopen cast mechanised and mechanised (long wall). This trend indicates that while the demand for un-skilled labour in mining operations will decrease but still be considerable in conventional mining inspite of the overall decline. The need for upgrading the skills of prospective employees in mechanised mining will gain importance because of increase in the size of mechanised operations.
- C.3 The following table shows area—wise man power projections from 1990—91 to 1994—95 and the intake of unskilled workers ie., floating badlies (unskilled workers in conventional mining operations).

Table No. 12

Area-wise Manpower Projection (1990-91 to 1994-95)\*

Area-wise i	nanpower ric	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Sl Area No.	Men on roll as on 31-3-	1990-91	91-92 9	 12-93 93-94	94-95 Dist.
1 2	3	4	5	6 7 ·	8 9 ·
1.Kothagudem	8563	7534	7955	7740 7611	8232 Khammam
2.Yellandu	7906	7669	7204	6923 6817	7 6817 "
3.Manuguru 4.Cherla	4685	7365 50	8157 175	9164 10123 278 _ 396	
	21154	22618	23491	24125 2494	
·	(21%	(19,96)	(20.57)	(20,15)(20	0.20)(20.75)
5. Ramaguiam-I	14839	13659	13609		09 13117 Kari mnagar
6. Ramagundam-1	[110486	11838	9564		03 10390 -do-
7. Ramagundam(1	2) 4738	8898	11403	13869 147	28 15220 -do-
	30063	34395	34576	37427 384	40 38727
	(29.96%)	(30.36)	(29.99	(31.26) (3	1.26)(29.97)
8. Bellampalle	11059	10459 1	0396 103	91 10202	10339 <i>M</i> ila
9. Mendamarri	12799	13760 1	3617 135	04 13651	bad. 13455 -do⊷
10 . Ramakrishna	12461	11591 1	1305 109	04 10415	100 <b>7</b> 9 -do-
11. Srirampur	9000				
12. Chinnur	9000		5505 155	-	15642 -do-
13. Kairaguda	~	425		85 1932	5187 -do-
D. Rairaguda	<b></b>	100	472 11	56 1866	2442 -do-
·	45319	51448 5	 52068 528	36 53604	57144 -d o-
	(45.18	(15.41 <b>)</b>	45.14)(44	.08)(43.39)	(44.23)
14. Bhoopalpalle					2724 Warangal
		1055 1	 1416	2725	
	<del>~</del> ≈ ••	(0.93) (	 (1.23)(1.3	5) (2.21)	(2.11)
Corporate				)6 3806 18)(3,03) (	
,					
	4 00 =	~ ~ ~ ~ .	· <b></b> -		
	1,00,3	21 1, 1,13,292	15,327 1,19	1,23,52 <b>9</b> 1,851 1,	,29,208
Floating Badlies.	10;758	6344 6	6712 6712	6917 72	236

<sup>\*</sup> Source: SCCL, Kothagudem.

C.4 From the point of view of manpower absorption capacity both present and projected, the coal mining areas of SCCL lying in Adilabad district have higher potential followed by Karimnagar, Khammam and Warangal districts and from the point of view of benefit that could accrue to the tribals, the Adilabad Areas stand First followed by Khammam Warangal and Karimnagar districts. This is a significant feature for the purpose of this action Plan.

Table No. 13

The Projected Man-power requirement designation-wise (1990-1995)

i i

	•	•				
- S	1.No. Designation	1990-91	Yea	 ars -92-93	193-9	4 94-95
_	1 2	3	4	<del>_</del> 5	6 - <b></b>	7
1,	Mining Engineers	9	11	23	15	39
2.	Electrical & Mechanical Engineers	88	51	50	29/	36
3.	Fitters(including EP ic., for open cast Projects)	34 <b>4</b>	247	366	` 214	258
4.	Electricians(including E.F.ie., for open cast projects)	108	. 81	132	100	133
5.	E.P. Operators	305	329	218	261	244
6.	Floating bodli Fillers.	1016	1328	<b>4</b> 380	37 <b>7</b> 8	5550
7.	Security and protection corps	100	100	100	100	100

The entry points are given in the following table:

#### Table No. 14 Table showing various categories of entry points and and Mode of recruitment :

Mathod of recruitment Sl.No. Group of employees

- 1. Unskilled workmen (Piece-rated group ic., floating Badli illers)
- Recruited from candidates sponsored by Employment exchanges through an endurance test Running 5 Kms in 18 minutes.
- 2. Daily rated, semi skilled/skilled un-skil led
- By internal selection from Group-1
- Statut ory (Supervisory) By internal selection from group 2 Personnel (Shot-firers, Mining Sirdars, Overmen)

Same and the same of the same

- Tradesmen (Fitter, Electrician, By selection from ITI qualified candidates after apprenticeship. Welder, Turner/Machinist, Moulder) A. 6. 1 ....
- 5. Office Staff(Clerical Staff)

By selection from graduates sponsored by Employment exchange and internal candidates.

6. Executives

By selection from external candidates with suitable qualifications and experience and also from internal candidates from group 2, 3, 4 and 5 acquiring similar qualifications and experience.

e a fine a sur e.

Some of the executives are initially recruited as Trainees under different training schemes.

## PLAN OF ACTION - I PHASE:

Recruitment of technical, skilled and un-skilled person-C.5 nel and in capacity of the I.T.I.s, Polytechnics and Colluges in the hinterland is as follows. (Estmates of requirement as given by SCCL).

TABLE No. 15
YEARWISE CATEGORYWISE PROJECTED MANPOWER REQUIREMENT

~.	<u>.</u>					_	cted ye						
SI. No	Desig	5	Backlog					92-93		93-94		94-95	Total
1.	Α.	Engineering:	*********				*****					*****	
	a.	Recruirement		0		- 10 m		22		15		20	07
•	b.	of SCCL Capacity of ins-	-	9		11		23		15		39	97
	U.	titutions in PHI		1		2		1		2		2	8
2.	A.E.		, -	-				•		2		: <b>4</b>	39
<i>L</i> .	1 1.2.	Executive Train	ees		1	• )	;	••					
		a)	13	88	<b>1</b>	51		50		29		36	254
	20.00	b)	-	10		-		-				-	10
3.	A.E.	Trainees										₹**	
		(Electronics)											
		a)	1	-	•	· •		-		-		•	1
		b)	-	3				-		-		<b>%</b> ♥	. • K. 3
4.	Fores	man Trainees											e e graet
	(Auto	o)											ر. ''
í		a)	1	•		-		-		-		2	Forecast not
		b)	₩	, <del>in</del> e		►.		-		•		-	furnished
5.		Foreman										¥	وري المرابع
	Train	ees (Electrical)											-
		a)	1	-		-		-		-		•	1
	~	_b)	· <del>-</del>	14		-		-		-		•	14
6.		Engineering											_
	Over	seers (Civil)	1	+				<b>=</b> :		-		•	Forecast not
~	Fitter												furnished.
7.		iding EP											
	_	OC project)											
	101 (	a)	344		247		366		214		250		1420
		b)	41		56		56		56		258 265		1429
8.	Elect	ricians	•		50		50		20		205		
		uding EP	•										
		C projects)						•					
		a)	108	81		132		100		133		554	
		<b>b</b> )	54	56		56		56		56		278	
9.	EP O	perators						~: <u>#</u>		·= =		,=···¥.	
		a)	305	329		218		261		244		1357	
		b)	100	150		65		70		70		455	
10.	Dum	per						** **		124			
	Oper	ators	4										

				Projected	year	AQD 1	1 ( //	12 1244
1. Vo	Designation	Backlog	1990-91	91-92	92-93	93-94	94-95	Total
 11.	Dumper Operator			14.	٠.	4		ei!
	Trainees	7	•					91 · · · · · · · · · · · · · · · · · · ·
12.	Floating Badli	•			,		n.	
	fillers		. Tan all the	1328	4380	3778	5550	16052
	a) b)	- -	1016 300	400	1300	1140	1670	4810
13.	Security and			· ·		. 111	அவ் கூட்ட	
	protection Corps	400	100	100	100	100	500	¹[≱,
	a)	100	50	50	50	50	250	
	b)	50			:		<b>T</b> <sup>n</sup>	
14.	Hospitals: Junior Nurses	14	•	-	-	<del></del>		Forcast not
15.	Compounders	2	, <del>y</del>	-	<b>=</b>		₹.	Ħ
16.	Jr.Sanitary	1	_	-	•	-	The fig.	***
	Inspectors	1	_	; <b>-</b>	-	-		11
17.	Lab. technicians	1		<b>*</b>	is <del>, p</del> r	. •	•	77
18.	Physio-therapists	•		•		arit .		.4
Ger	neral:							
19.	Welfare Officer			t		255	•	•
	Trainees	1	•	<b>=</b>	<b>≅</b> -	<b>*</b>	-	Ħ
20.	Watchman	12	•	<b>-</b>	•		•	Ħ
21.	Clerks	27	-		-	<u>-</u>	<u>•</u> _	H
22.	Asst. Chemist Trainees.	1	<b>-</b> .	•	-	_	-	Ħ

#### 1. Mining Engineers:

#### Qualification:

Degree in Mining. At present two seats are reserved for tribals the school of mines, Kothagudem. There is one student in IInd year, two students in IIIrd year and one in the Final year. They will be provided employment if they pass. 1993-94 and 1994-95, For from Utnoor and students Residential Bhadrachalam Junior Colleges who pass Intermediate 1989-90 and 90-91 will have to inducted after selection by Committee, as suggested in section dealing with policy implications.

#### 2. Mechanical/Electrical Engineers:

#### Qualifications:

Degree in Mechanical and Electrical Engineering. There is a backlog of 13 vacancies in SCCL for Asst. Engineer Trainees/ Junior Executive Engineer Trainees in this division. While the projected requirement is 88 in 1990-91, 51 in 1991-92, 50 in 1992-93, 29 in 1993-94 and 36 in 1994-95. Thus the total projected

requirement and backlog comes to 254. As against this backlog of 13 are vacancies there now graduate engineers (Mechanical and Electrical) who are on the live Register of Tribal Welfare Dept. awaiting employment. List candidates is given in Annexure IV These graduates can be considered for selection against A.E. and Junior Executive Trainees. In order to fillup the remaining 3 of the back log vacancies and to meet requirement of SCCL it would be necessary to identify the candidates in each year from among Residential the Junior College students in the hinteland area and provide them coaching facilities to appear for EAMCET Examination.

## 3. A.E. Trainees (Electronics):

#### Qualification:

Degree in Electronics Engineering.

There is one backlog vacancy at present in SCCL. While there are

(3) S.T. candidates who have passed Engineering in Electronics on the live Register of T.W. Department, awaiting employment (Vide Annexure)

Projected requirement of SCCL IV) is not available. However inview of future expansion the and anticipating vacancies for the period 1990-91 to 1994-95, it would be necessary to identify the S.T. studying in candidates the Residential Junior Colleges of this purpose the area. For selection committee should identify the S.T. Candidates and prepare them to appear for EAMCET examination 1990-91.

#### 4. Foreman Trainees (Auto):

#### Qualification:

Diploma in Auto Mobile Engineering.

There is one backlog vacancy in SCCL.

No tribal candidate is available.

At least (2) S.T. candidates

studying in Residential schools of

PHL area could be identified. For

this purpose the selection Committee

should identify the S.T. candidates

and prepare them to appear for CEEP

examination 1990-91.

### 5. Asst. Foreman Trainees: (Electrical):

#### Qualification:

Diploma in Electrical Engineering.



There is one backlog vacancy in SCCL.

14 tribal candidates are studying in Diploma in Electrical Engineering in Govt. Polytechnic, Bhadrachalam and Srisailam IInd and final year.

Projection is not available. The candidates may be considered for immediate and future vacancies in SCCL.

# 6. Overseers: (Civil)

#### Qualification:

Diploma in Civil Engineering. There is one backlog vacancy in SCCL. There are 24 Tribal candidates studying Diploma in Civil Engineer in Govt. Polytechnic College, Bhadrachalam and Srisailam. These candidates may be considered for filling in immediate vacancies.

# 7. Fitter (including E.P. I.E., for O.C. Projects): Qualification:

Certificate in fitter Trade. There is no backlog of vacancies in this category. While the projected demand is 344 in the year 1990-91, 247 in 1991-92, 366 in 1992-93, 214 in 1993-94 and 259 in 1994-95. The total requirement comes to 1429 in this category. As against this the

"

Table No.16

Summary of category wise estimated manpower requirement and number of triabls available for employment.

S1.	•	No.of posts required by SCCL for 5 years.		No.of tribals to be inducted)
1.	2	3	4	5
1.	Technical (Graduates)	365	19	39,
2.	Technical Diploma Holders.	25	90	<del></del>
3.	Technical Certificate holders.	- 1983	543	<del></del> -
4.	Skilled	1388	20	472
5.	Un-skilled	16591	212	4910
		20352	884	5321

C.7 It is estimated that the direct employment to 6205 tribals can be provided in the I Phase to S.Ts, in other words as many as 6205 S.T. families will cross the poverty line. In the next phase of the project direct employment potential in SCCL is likely to be much more. This can be estimated and plan of action can be prepared for the II Phase with reasonable accuracy perhaps by mid VIII plan period by which time the SCCL will be able to finalise its forecasts. At this point of time the tribal Welfare Educational Institutions will also have tobe geared appropriately to meet the requirement of not only SCCL but also other industries in this belt.

has a list of 352 Categories of Posts with code numbers assigned to each job. But the entry points indicated are very limited and also not linked to many of the 352 categories of posts directly or indirectly. Perhaps a clear cut recruitment policy if it has already been laid down will throw light on this incongruity. Secondly the technological advancement in the next 5 years is likely to necessitate change in this profile. All these factors will have to be taken into consideration for preparing P.O.A.for second phase.

I.T.I. in P.H.L., area can provide 265 trained candidates over a period of 5 years. The best among them can be selected against reserved quota on and merit basis.

## 8. <u>Electricians</u> (in cluding E.P. for Open cast Project): Qualification:

State of the second

There is no backlog of vacancies in this category. While the projected demand is 108 in 1990-91,81 in the year 1991-92, 132 in 1992-93, 100 in 1993-94 and 133 in 1994-95. The total requirement comes to 554 in this category. As against this the I.T.Is. in PHL area can provide 278 S.T. candidates over a period of 5 years. The best among them can be selected against reserved quota and on merit basis.

# 9. E.P. Operators: Qualification:

7th class pass and 3 years experience in HEMM Operation. As no tribal candidates are available, Motar vehicle Training centres have to be established at Manuguru to impart Training in Heavy Vehicle Driving.

10. Dumper Operator: Same as in 9.

## ll.' Floating Badli' fillers:

Physical Endurance Test, 5 Kms. in 18 minutes. running Tribals will have to be trained in this at least for 10 days before the test.

## 12. Security and Protection Core:

NCC and Scouts are preferred. There number of Scouts who have dropped out at 7th class and some of them are even matriculates. As against requirement 500, 200 S.T. candidates can be selected form PHI. Area.

There are backlog vacancies in following categories:

- 1) Junior Nurses = 14 can be provided.
- 2) Compounders = 2 Not available.
- 3) Lab. Technicians = 1 Not available.
- 4) Physio Therapist = 1 Not available.
- 5) Welfare Officer Trainees = 1 Not available.
- 6) Watchman 12. Can be provided.
- 7) Clerks: 27.can be provided.
- The summary of requirement category wise Technical C.6. (Graduate), Technical Diploma, Technical certificate holders, Skilled, and un skilled workers needed is given in the following table:

ا" ا . . .

(Analysis of the sotres requirements of SCCL- Identification of items which can be manufactured by common facility workshop —cum-production centres and individual/Collective/cooperative ventures and — project profiles for indirect employment)

D.1. The stores requirements of SCCL cover a very wide range items which are of (a) proprietary nature b) which are imported, c) items which are produced by large and medium scale industries and d) those produced under small scale/cottage industries sector. For the purpose of this action plan, such of those items which come under the category of SSI/Cottage have only been taken into account. The list of such items with approximate procurement value is given in annexure V. This list can however be taken on its face value for the purpose establishing individual units or Common Facility workshops-cum-production Centres proposed. SCCL already procuring most of these items from one source or the other, such units which are supplying these items have advantage of early start and enjoy the consequent The list of items is short listed, stability. viability and feasibility considerations. conducted by APITCO on Bulk purchases made by selected Government Departments and Public Sector undertakings mentions a list of 13 items which has been suggested taking into account the minimum economic size, project cost, capacity etc., The list is given as annexure V-A. This list however includes some large-scale industries and it also includes items like manufacturing of baskets which come under cottage sector and items like manufacturing of miners safety helments, dognails, Khaki  $\omega$ olen socks which can be taken up under individual ventures also.

Similarly from the list of 59 items given in annexure V, Bamboo mats, wire nails of different sizes and description, Rivets etc., can be taken up as individual ventures, besides these items identified by APITCO, manufacturing of Hessain bags, Concave and convex pans for mines ventilation, M.S. Drum rollers, belt fastening hooks, G.I. canisters, Iron gamelas, G.I. buckets, Fishbolts and nuts can be taken up in either individual ventures or in the Common Facility Workshop-cumproduction Centres. There are some items like steel Doors, Windows etc., glazed tiles which are needed but not listed, which canbe taken up. The following units can be taken up category wise.

I. Individual venture	SSI Product Code No.	• • • •	Approximate procurement value Rs.in lakhs
(1) (2)	(3)		(4)
a) Cane baskets b) Bamboo baskets c) Bamboo mats d) G.I.Buckets e) G.I.Canisters f) Rivets Manufactur-	430306 34030181	e ki	0.35
ing g) Ele.Motor rewinding h) Dog nails			.1

(1) (2)	(3)		(4)
II. Collective/Coopera	tivo		
venture:	<u> </u>	**	
a) Miners safety halme	ts .		8.00
b) M.S.Flanges	331152		4.00
c) Manufacturing of	331132		-1600
Iron gamelas	340942		0.05
d) Wire nails(Gauge	343601		0.59
8 mm and below)			
e) Concave and convex		•	1.00
pans for mine			
ventilation.			
f) Glazed tiles	328904		
(1) (2)		(3)	(4)
	<del></del>		·
III. Common facilit			procurement Rs. in lakh
Production cent  a) MS.Drum rollers	re.	um• SSI Prod Code No.	procurement Rs. in lakh: 16.80
a) MS.Drum rollers b) Belt fastening ho	ooks	um• SSI Prod Code No. 340918	procurement Rs. in lakh: 16.80 8.16
Production cent  a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of	ooks woolen socks	um * SSI Proc Code No. 340918 260203	procurement Rs. in lakh: 16.80 8.16 2.80
a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut	ooks woolen socks	um• SSI Prod Code No. 340918	procurement Rs. in lakh: 16.80 8.16 2.80 0.35
Production cent  a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails	ooks woolen socks	um - SSI Proc Code No. 340918 260203 34320101	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05
Production cent  a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge	ooks woolen socks s 8 and above)	um • SSI Proc Code No. 340918 260203 34320101 343601	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05 4.84
a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge g) Rivets(Snap head)	ooks woolen socks s 8 and above)	um - SSI Proc Code No. 340918 260203 34320101	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05
Production cent  a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge g) Rivets(Snap head) h) Augers for Wood of	ooks woolen socks s 8 and above) cutting	um • SSI Proc Code No. 340918 260203 34320101 343601 243203	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05 4.84
a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge g) Rivets(Snap head) h) Augers for Wood of i) Steel doors windo	ooks woolen socks s 8 and above) cutting	um • SSI Proc Code No. 340918 260203 34320101 343601	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05 4.84 5.64
Production cent  a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge g) Rivets(Snap head) h) Augers for Wood of i) Steel doors windowentilators.	ooks woolen socks s 8 and above) cutting ows and	um • SSI Proc Code No. 340918 260203 34320101 343601 243203	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05 4.84 5.64
Production cent  a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge g) Rivets(Snap head) h) Augers for Wood of i) Steel doors windowentilators. j) Ele.motor rewindi	ooks woolen socks s 8 and above) cutting ows and	um • SSI Proc Code No. 340918 260203 34320101 343601 243203	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05 4.84 5.64
Production cent  a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge g) Rivets(Snap head) h) Augers for Wood of i) Steel doors windowentilators. j) Ele.motor rewindi k) Dog nails.	ooks woolen socks s 8 and above) cutting ows and	um * SSI Proc Code No. 340918 260203 34320101 343601 243203 — 341001	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05 4.84 5.64
a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge g) Rivets(Snap head) h) Augers for Wood of i) Steel doors windowentilators. j) Ele.motor rewindi k) Dog nails. l) M.S.Flanges	ooks woolen socks s 8 and above) cutting ows and	um • SSI Proc Code No. 340918 260203 34320101 343601 243203 — 341001	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05 4.84 5.64
Production cent  a) MS.Drum rollers b) Belt fastening ho c) Manufacturing of d) Fishbolts and nut e) Rose head nails f) Wire nails(gauge g) Rivets(Snap head) h) Augers for Wood of i) Steel doors windowentilators. j) Ele.motor rewindi k) Dog nails.	ooks woolen socks s 8 and above) cutting ows and	um * SSI Proc Code No. 340918 260203 34320101 343601 243203 — 341001	procurement Rs. in lakh: 16.80 8.16 2.80 0.35 0.05 4.84 5.64

This list of ventures proposed to be taken up categorywise and details (summary) is furnished in the following table:

# Table showing list of ventures proposed to be taken up category-wise and details (summary) T A B L E No. 17

		TAB	LE NO. 17			
sl.	Name of the Unit	SSI Pro- duct Code No.	Cost of plant Machinery	Working capital Rs.Lakhs	Total	Percen- tage of returns.
 1	2	3	4	5	6	7
1.	Bamboo baskets			50% the procureme value	6 <b>.</b> 25	П. 11
2.	Bamboo mats	<del></del>		3.13	im im	, <b>1</b> ( .
3.	G.I.Buckets	340306	0.30	0.50	0.80	35
4.	G.I. Canisters	34030181	3.50	3.00	6.50	30
5.	Rivets	243203	2.50	1.00	3.50	28
	Ele.Motor rewinding.	ted on	ng unit Raw the basis of	f average d	demand)	. (
7.	Miners safety helm	nets (This No.9)	item can be	manufactu	red under	item
8.	M.S.Flanges	331152	2.50	0.80	3.30	30
9.	. Iron Gamelas	349942	1.60	1.00	2.60	32
10	).Wire nails various sizes	343601	1.20	0.70	1.90	30
13	l.Concave and convex pans for mine ventilation.	(This can item N	be manufactu o. 9)	mred which	i	1 ( <u>)</u>
13	2.M.S.Drum rollers	3403200 <b>34</b> 03080		2.50	4.25	37
1	3.Belt fastening hooks	340918	(This can be items No.10		red under	r the
1	4.Woolen socks	260203	0.30	0.65	0.95	28
1	5.Bolts & Nuts	3432010	2.50	1.00	3.50	30
1	6.Rose head nails	This it	em can be mo 0.10	anufactured		
1	7.Augers		,	<b>3-4</b>	,	7 17
1	<pre>8.Steel doors,Windo and ventilators</pre>	ws 341001	2.50	0.50	3.00	40
1	9.Glazed tiles	328904	14.00	1.20	15.20	30

The profiles of different ventures is given in the following paragraphs. For application form for provisional registration as SSI Unit refer annexure-IV.

Source: Handbook of reserved small cottage & tiny industries - SBP Consultants and Engineer Pvt. Ltd. - New Delhi.

## D. 2. MANUFACTURE OF WIRE NAILS: (Product Code No.343601)

Approximate procurement value

= Rs.5.43 lakhs

1. Land and Building

125 sq.mts.covered

2. Cost of machinery and equipment

Rs.1.20 lakhs

3. Working capital

Rs.0.70 lakhs

## DETAILS OF MACHINERY & EQUIPMENT:

a) Wire nail making machine

: 8 SWG to 14 SWG (Automatic) and 25 mm to 100 mm).

b) Automatic nail making machine : 12mm to 50 mm

12 SWG to 14 SWG.

- c) Tumbling Barrel
- d) Bench Grinder
- e) Hammers, Chissels, File etc. (Miscellaneous)

## PROCESS OF MANUFACTURE:

The main raw material for making nails is hard drawn bright wire of the required SWG. It is put on automatic wire nail making machine in the form of coils. The wire is gripped by the vice and head is cold formed. Required length is cut and point is made. These operations are automatic. The nails are polished by tumbling them with saw dust in a drum, packaging is done by weight.

Returns expected: 30% on invested capital.

## D.3. MANUFACTURE OF TIN CONTAINERS (Product No. 34030181)

Capacity: 1500 containers per day: 1500 Lt. per day.

Approximate procurement value : Rs.O.24 lakhs

Type of containers

1. 13e 10.

: 1 Litrs, 2 Lts. 4 Lts

and 18 Lts.

These are used for carrying Diesel and other oils.

Tinned mild steel or low carbon steel sheets are used for making these containers. Tin sheets are in short supply. Hence quota has also to be obtained.

Land and Building: 1000 Sqms. with 600 Sqm. covered Area.

Cost of machinery Rs.3

Rs.3.5 Lakhs.

and equipment.

Working capital

Rs.3.00 Lakhs.

## MACHINERY AND EQUIPMENT:

- i) Treadle shearing machine 36"
- ii) Treadle Notching 24"
- iii) Bending machine
- iv) Double pillar type fly press
- v) Filler hole cutting and embossing fly press
- vi) Top and bottom double seaming machine.
- vii) Seaming machine,
- viii) Small machine and tools Miscellaneous
- ix) Air compresser.

## MANUFACTURING PROCESS:

The manufacturing process consists of body blank cutting, knotching, rolling folding and closing the side seam. Sheets of required SWG are cut to desired sizes and shaped on gang slitter or guillotine shearing machine. The body blank is notched at four corners and then the side is seamed. To prevent leakage the seam is soldered by hand. Bottom and lids are stamped cut and drawn in one operation by combination tools on single action inclinable power press. ISI specification No. IS

916 - 1976.

A return of about 30% on the invested capital is expected.

By adding machinery and equipment costing Rs.40,000/steel trunks (25 Trunks a day) capacity product code
No.340201 can also be manufactured in the same unit.
Canisters can also be fabricated. The additional
machinery requirement will be (1) Foot operated shearing
machine 4' length (2) Electric welding set. (3)
Beading Machine (4) Trunk folding Machine.

# D.4. STEEL DOOR AND WINDOWS AND VENTILATORS MANUFACTURING (Product Code No. 341001)

Approximate procurement value: Not listed by SCCL.

- 1) Land and building : 200 sqm. with 125 sqms. covered area.
- 2) Cost of Machinery Rs.2.5 lakhs and equipment.
- 3) Working capital Rs.0.50 "

Because of scarcity of wood, the demand for such items is going up.

#### DETAILS OF MACHINERY AND EQUIPMENT:

- 1. Electric Welding Set
- 2. Gas Welding Unit
- 3. Drilling Machine
- 4. Flexible shaft grinder
- 5. Double ended grinder 8" wheel
- 6. Lever type sheet cutter
- 7. Power press 10 T
- 8. Black smith furnace anvil etc.

#### PROCESS OF MANUFACTURING:

M.G. rounds 6 MM. to 12 MM strips, 2mm to 10 mm angle iron 2x22x2 to 50 mm. M.S.Z. sections of various sizes nuts and bolts and hinges are procured from market. The sections are cut to size and welded, dilled as required. Welded joints are ground with a flexible shaft grinder.

Returns 40%. The break even point is about 50%

#### MANUFACTURING OF RIVETS ALL TYPES INCLUDING BIFURCATED D.5.

(Product Code No. 343103)

Capacity

: 200 Kgs per day

Approximate procurement value : Rs.5.64 lakhs

Land and Building

: 150 Sqm. with

100 sqms covered

71

area.

Cost of machinery and Equipment : Rs.2.5 lakhs

Working capital

: 1.00 Lakhs

#### DETAILS OF MACHINERY & EQUIPMENT:

- 1. High speed, single stroke 1/4" header machine
- 2. High Speed, double stroke 3/8" heading machine.
- 3. Automatic slotting machine
- 4. Drilling machine
- 5. Cutter grinder
- 6. Tumbling barrel
- 7. Heat treatment furnace
- 8. Lathe
- 9. Electroplating accessories etc.

#### PROCESS OF MANUFACTURE:

The raw material in the form of wire of 3.5 mm to 10 mm diametre is fed to head froming machine. The rivet head is formed and the rivet is cut from the wire. The rivets are then cleaned by tumbling in a barrel with saw dust and steel wire pieces. This can be an adjunct of wire nail making unit.

Returns 28% on the invested capital

The break even point is about 45%

# D.6. MANUFACTURE OF M.S. AND C.I. FLANGES: (product Code No. (331152)

Approximate procurement value Rs.4.00 lakhs

Land required 200 sqm. with

120 sqm. covered area.

Machinery and equipment Rs.2.50 lakhs

Working capital Rs.0.80 lakhs

## DETAILS OF MACHINERY AND EQUIPMENT:

- 1. Power Hacksaw
- 2. Gas cutting set
- 3. Electric Welding set
- 4. Power press
- 5. Lathes 2 1/2 Nos. Heavy and Medium
- 6. Drilling machine
- 7. Grinding machine
- 8. Tools and fixtures etc.

Blanks cast Iron flanges are procured from casting units. M.S.Flanges also can be fabricated in the unit itself from 6 mm to 25 mm MS plates. The blanks are machined on a lathe where turning, facing, boring and inside threading is done. Holes for both are drilled after marking at appropriate places for this. IS:6392 and IS: 6418 are available for MS and C.I.flanges respectively.

Returns: 30% of the total investment The break even point is about 52%

# D.7 MANUFACTURE OF G.I. BUCKETS (Product Code No.3403306) (100 Buckets a day)

Approximate procurement value

Rs.0.07 lakhs

Land and building:

200 Sq.Mts. with 150 Sq.Mts. covered area.

Cost of Machinery & area:

Rs. 0.30 lakhs

Working capital

Rs.0.50 lakhs.

Jan Garage

## DETAILS OF MACHINERY AND EQUIPMENT:

1. Hand shearing machine

2. Treadle shearing machine

3. Bucket body bending machine

4. Circle cutting machine

5. Bar cutting and bending machine

6. Bucket making machine etc.

#### PROCESS OF MANUFACTURING:

handle is made with 1/4" to 1/2" ms bar. Two body blanks are cut to exact shape by marking the shape by templates. The curved portion is cut by hand shear and straight edges are cut on treadle operated guillo—tine. The two body parts are seamed to make the body and rivetted. Bottoms are cut on a circle cutting machine and shaped on double sided fly press. The bottom is seamed with body and bucket lathe.

Returns: 35% of the investment.

43 1 4 4

The break even point is about 48%.

## D.8. MANUFACTURING OF GAMELAS: (Product Code No. 339942)

Approximate procurement value : Rs. 0.50 lakhs

1. Land and building : 400 Sqms. with 200 Sqms covered area.

2. Cost of machinery and equipment: Rs.1.60 lakhs

3. Working capital : Rs.1.00 lakhs

#### DETAILS OF MACHINERY & EQUIPMENT:

- 1. Circle cutting machine
- 2. Double action Deep drawing press
- 3. Lathe machine
- 4. Drilling machine etc.

Gamelas are made out of M.S. Sheets cut into circular blanks. The edges are hammered to convert the blanks into pans. The pan is mounted on spinning lathe and the edges are bent. Gameles are made with diametre 30 to 60 cms. The thickness of the sheets various from 18 to 22 SWG.

Returns: 32% of the investment.

The break even point is about 50%

Concave and Convex pans for Mine ventilation can be manufactured in the same unit.

1. 4 × × × 11.

THE REPORT OF THE PARTY OF

# D.9. MANUFACTURING OF BOLTS AND NUTS: (Product Code No. 34320101)

Approximate procurement value

Rs.0.35 lakhs

Land required

Cost of Machinery & equipment

Rs.2.40 lakhs

Working capital Rs.1.00 lakhs

## DETAILS OF MACHINERY AND EQUIPMENT

- 1. Automatic Double stroke Cold heading machine
- 2. Automatic Bolt thread trimming machine
- 3. Automatic Horizontal slotting machine
- 4. Automatic Thread rolling machine.
- 5. Automatic Bolt pointing machine
- Heat treatment furnance.
- 7. Automatic nut forming machine

. . . . . . . .

- 8. Automatic tapping machine
- 9. Tumbling barrels etc.

Process of manufacturing:

Raw material required are rods of white carbon steel containing 0.08 to 0.45% corbon. The process is of different types.

1) Cold 2) and Machine forging.

Heat treatment or normalising is necessary for cold process of nuts/bolts. It consists of heating them 800 Deg C to 825 Deg C, quenching in air and cleaning followed by heating to 350°C and oil quenching.

Returns 30% of the investment

The break even point is about 55%

# D.10 WOOLLEN SOCKS MANUFACTURING UNIT (Product code No.260203) (100 pairs a day)

Aproximate procurement value Rs.2.80 lakhs

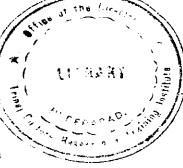
Land and Building 100 Sqms. covered.

Cost of Machinery & equipment. Rs.0.30 lakhs

Working capital Rs.065 lakhs

## DETAILS OF MACHINERY & EQUIPMENT:

- 1) Hand operated socks knitting machine
- 2) Scissors, Table etc.
  No. of Machines : 7.



## PROCESS OF MANUFACTURE

3/11 and 11 single count Khaki Woolen Yarn is used.

ISI Standard No. 2187 - 1973.

Size of socks	Diametre of machine	Needles 
1. 10 to 11 1/2	3 3/4"	144 × 72
2. 8 to 9 1/2	3 1/2"	132 x 66
3. 6 to 7 1/2	3"	108 x 54

Returns 28% of the investment.

The break even point is about 60%.

भारत है ।

D.11 MANUFACTURING OF GLAZED TILES: 10 10 11. Ensu: (Product Code No.328904)

(Capacity 1 Tonne, 10 x 10 cms / a day)

1. Land and building 2500 Sqms. covered area 700 Sqms.

Cost of machinery and equipment.

Rs.14.00

3. Working capital

Rs.1.20 lakhs

## MACHNERY AND EQUIPMENT

- 1. Disintegrator 22"
- 2. Ball mill 4' x 4'
- 3. Edge runner mill 4"
- 4. Jar mill, 4 pots
- 5. Vibratory sifter 24" x 18"
- 6. Agitators 2 Nos.
- 7. Plate and frame fitter press: 18"  $\times$  24 Nos.

- 8. Diaphragm pump.
- 9. Muller mixer
- 10. Pugmill 15" x 4'
- 11. Friction screw tile press capacity 500 tiles per hour.
- 12. Vibrating screen
- 13. Tile press, hand operator
- 14. Tile trimming, machine, automatic
- 15. Tile glazing unit

:. .

- 16. Saggar and screw presses.
- 17. Downdraft kiln 6m, diamter with chimney
- 18. Miscellaneous tools and equipment with all accessories etc.

Raw materials: China clay, quartz, felspar, fire clay etc.

## PROCESS OF MANUFACTURING:

1.

The raw materials are ground, screened, mixed and green tiles are made by friction screw presses. These are then allowed to get dried, finished, glazed and fixed in downdraft klin. These tiles are then stored, packed and shipped. IS: 777 - 1971 is available for glazed tiles.

Returns: 30% of the investment.

# D.12. MANUFACTURING OF BAMBOO BASKET MANUFACTURING OF BAMBOO MATS:

Approximate procurement value Rs. 6.25 Lakhs.

These items are exclusively the domain of primitive tribal groups namely Kolams in Adilabad district Konda Reddis in Khammam district. They can manufacture any article with bamboo, if raw material is supplied to them at reasonable prices. Without any further training they will manufacture these items. 500 families can thus be be needed annually. (Details on this are discussed in Policy section) Bamboo mats costs Rs.13.50 each and about 3000 mats are needed by SCCL. Bamboo baskets costs Rs.3.90 each and about 2,00,000 baskets are needed by SCCL. The demand for baskets and mats (Thatties ) will be 10 times the demand of SCCL in the local markets.

D.13. MANUFACTURING OF BELT FASTENING HOOKS: Code No.340918

Approximate procurement value Rs.8.16 lakhs

This can be manufactured under the unit of Wire nails.

D.14 M.S. Drum Rollers (Code No.3403200)
(" " 34030801)

Approximate procurement value Rs.16.80 lakhs.

These items can be manufactured under the unit of Iron Gamelas.

## Profile of Workshop-cum-production Centre:

D.15 The workshop-cum-production centre as the name implies is meant to serve both as a training and production unit. It will run purely on Commercial lines. Selected Tribal youth from the hinterland who have failed 7th class (dropouts) will be inducted to learn various Crafts and trades under expert guidance of Master craftsmen who will be engaged on monthly remuneration

basis worked out on the basis of production. The system will be that those who acquire the skills and opt for establishing independent units will go out and set-up the trades independently and such of those who are selected by the SCCL will get absorbed on wages employment in the SCCL. The details are as follows.

The work order for this centre will be placed by the SCCL as suggested in section dealing with policy implications.

. .

The unit will work under a committee comprising of the Industrial Engineer of SCCL, APO Industries and Employment (ITDA) and Manager CFWCPC. Non-formal Education Centre which will be attached to this unit to enable the tribal boys to upgrade their educational qualifications.

الأفراد أأراني

## Workshop:

1. M.S.Drum Roller	Area : 15000 sqfts of which
2. Belt fastening hooks	10,000 sqf covered area of
3. Woolen Socks	4 blocks workshop 3.5
4. Fish bolts and nuts	Adm. Block 0.5
5. Rose head nails	
6. Wire nails	4.0
7. Rivets	<del></del>
8. Steeldoors and window	Cost: 10,000 x 10=10,00,000
9. Augers for wood cutting	Water supply
10. Ele.Motor rewinding	Fencing & Cleaning=3,00,000
ll. Dog nails	Machinery Rs.11,00,000
12. M.S.Flanges.	Workshops Rs. 7,00,000
13. Iron Gamelas.	as the second

Stipend-cum-wages
stipend for 6 months
@ 300 PM for 6 "
wages
Rs.450/- 2,25,000
Master Craftsmen
to be paid from
working capital

Rs.33,25,000

## Physical Training camps for Badli filler candidates:

There is a pre-selection Test which is conducted by the D.16. SCCL. It is essentially meant to test their endurance. In G.O.Ms.No.424 Energy, Forest, environment, science and Technology dt. 15-7-88 the need for conducting this test has been emphasized and while ordering that one member of the family of each land oustee whose lands are acquired by SCCL has to be provided with a job. It been mentioned that the Rule of reservation has to followed. Unless the endurance test which comprises running of 5 Kms. with-in approximately 18 minutes is passed by the candidates they will not be eligible appointment as Floating Bedli Fillers, even in this reserved vacancies for S.Ts. If they show better performance in physical endurance Test they (STs) stand a very good chance of selection over and above the quota. Test coaching camp is proposed to improve their chances of selection.

Each year the intake will be as follows:-

Sl.	Year	No.of candidates	Cost at the rate of Rs.150/- for 10 days. (Rs. in lakhs)
1.	1990-91	300	0.45
2.	1991-92	400	0.60
3.	1992-93	1300	1.95
4.	1993 <b>-</b> 94	1140	1.70
5.	1994-95	1670	2.50

The camps will be organised at the place where the endurance test is conducted by the SCCL. Now it is being conducted at Bellamppalle and Kothagudam. The size of each batch will depend on the number of vacancies announced at a particular point of time.

## Heavy Vehicle Motor Driving:

D. 17. The need for conducting Training arises because of: a)

the time consuming procedure now prescribed for obtaining a Heavy vehicle licence and b) to provide employment to the tribals from the PHL area.

At present 3 years time is prescribed between issual of L.V. licence and Heavy vehicle licence mainly to discourage prolifiration of heavy vehicle drivers. It would be logical if number of driving hours or the kilometerage logged is prescribed for issuing the Heavy Vehicle licence because simple lapse of time does not improve the performance; assuming that this will be modified, it is proposed to organise Training centres in Heavy vehicle driving for L.M.V. licence holders from the P.H.L area at Manuguru where open cast mining operations are also on.

Year	Total No. required	No. of tribals proposed to be trained.	Cost Rs.in lakhs
1990-91	305	100	20.25
1990-91	329	150	20.70
1991-92	218	65	9.65
1992-93	261	70	10.30
1993-94	244	70	10.30

For organising this training 5 old heavy vehicles and 5 Instructors will be needed. Temporary accommodation for trainees will be provided besides training. Each trainee will be made to log 2000 Kms. within one year and after a test by the concerned authority licence will be issued.

The unit cost will be as follows:

- i) Stipend of Trainees: Rs.250 pm. for 12 months. 3,000=00
- ii) POL Charges @ Rs. 5.00 per Kilometer 10,000≈00 2000 x 5
- iii) Remuneration for Instructor @ 2000/PM for 12 months requires 2000 x 5 x 12

1,20,000=00 1,33,000=00

v) Temporary accommodation

Rs. 1,05,000=00

vi) Cost of vehicles at book value Rs. 5,00,000=00

Rs. 6,05,000=00

1) Recurring

Rs.1,33,000

2) Non-recurring

Rs.6,05,000

Total Rs.

7,38,000



D.18 PROJECT REPORT FOR 1000 LAYER BIRDS (Cage system)

Technical paper from Veterinary Dept.

## Introduction:

- It is better to take up poultry Rearing under Cage system.
- 2) Under cages mortality is reduced, the efficiency of management factors, such as watering, feeding, medication and vaccination etc., are improved. The floor space required per bird is reduced to half.
- The feed shall be prepared by the farmer himself. It reduces the cost, the quality is assured and chances of contamination with diseases is reduced.
- 4) The brooder, Grower and Layer sheds should be seperate. The space between shed to shed should be 40 to 50 feet.
- 5) Generally laying will be for 12 months. The second batch shall be reared well in advance to avoid gap in layers.
- 6) Sprinkler arrangements may be made to keep the sheds cool in summer.

## 7) Sheds:-

- a) Layer shed with cages for 1000 birds is @ 1 sft.per bird.
- b) Growers 1000 sft. one.
- c) Brooder shed 500 sft. one.
- d) Godown for Feed Mixing & storage.
- e) Room for medicines etc.

## Details of the Unit Cost:

a)	Cost	o£	con	str	action	ı of	brood	der	shed	for	Rs.	25,000/-
	1000	bir	cds	@ 1	sft.	per	bird	Rs.	25/-5	sft.		

- b) Cost of construction of layer sheds Rs. 30,000/- @ 1 sft. per bird Rs.30/- per sft.
- c) Cost of cages at Rs.21/- per bird Rs. 21,000/-
- d) Cost of equipment Rs.4/ per bird Rs. 4,000/-
- e) Cost of day old chicks 1050. Rs. 8,400/5% extra for mortality
  Rs.8/- per bird
- f) Cost of feed upto laying stage Rs. 24,000/10 Kg. per bird.
  Rs.2.40 per Kg.
- g) Cost of Medicines and labour till
  Rs. 2,000/laying Rs.2/- per bird.

  Total
  Rs. 1,14,000/-

### ECONOMICS OF THE SCHEME

## Cost of the project:

## I. Capital Cost:

- 1) Cost of construction of brooder shed Rs.25,000 for 1000 birds at 1 sft. per bird at Rs.25/- per sft.
- 2) Construction of layer shed @ 1 sft. Rs.30,000 per bird @ 30/- per sft. 1000 birds
- 3) Cost of cages @ Rs.21/- per bird Rs.21,000 for 1000 birds.
- 4) Cost of equipment Rs.4/- per bird Rs. 4,000

  Total Rs.80,000

=========

=======

#### II) Recurring Cost:

- 1) Cost of 1050 day old chicks at Rs. 8,400 Rs.8/- per chick.
- 2) Cost of feed for 1st to 6 months. Rs.24,000 till laying.
- 3) Cost of medicines, labour etc. Rs. 2,000

  Total Rs.34,400

## TOTAL COST OF THE PROJECT

Capital cost ... Rs. 80,000

Recurring cost .. Rs. 34,400

Rs, 1,14,400 (or) Rs.1,15,000

## III) Expenditure during laying period:

1) Cost of feed 40 Kgs. per bird Rs.96,000 @ Rs.2.40 per KG.

2) Cost of medicines & labour
Electricity etc. Rs.4/- per bird
Total
Rs. 4,000
Rs.1,00,000

## TOTAL EXPENDITURE

Recurring cost + Expenditure during laying period

34,400 + 1,00,000 Rs.1,34,400 (or)
Rs.1,35,000

### IV) Income:

- 2) Sale of culled birds Rs.18/- per Rs. 18,000 bird (1000 birds)
- 3) Sale of manure Rs.3/- per bird Rs. 3,000
- 4) Sale of empty gunny bags Rs. 1,500
  Rs.2/- each Rs.1,84,500 or Rs.1,85,000

## V) Surplus available after payment:

Total income

Rs.1,84,500

Rs.1,34,400

INCOME

Rs.1,000

3.

# D. 19. Berberi Goats (Stall fed) from Animal Husbandary Department.

- 1. Birth weight 2.0 to 2.5 Kgs.
- 2. Weaning weight (75 days)
  Preweaning @ 120 Grams 11.0 Kgs.
- 3. Marketable weight at 7 Months 25.0 Kgs. post weaning @ 100 Grams
- 4. Cost of breeding Doe (2 T to 4 T age) Rs.450/-
- 5. Cost of Breeding Buck Rs.650/- age and @Rs.18/- per Kg.
- 6. Cost of Male kids at 7 months age and @ Rs.18/-per Kg. live weight. Rs.450/-
- 7. Age of maturity in females 9 months
- 8. Gestation period 5 months
- 9. Aiding interval 7 months
- 10.No of litters . 1.5 in a year (Average)
- 11.No. of kids per litter 1.6 per year
- 12. Average weight of female Adult 25 Kgs.

## NUTRITIONAL REQUIREMENT

- i) Dry matter requirement over live weight
  Growing kids 4.6% live weight.
  Adults 3.5% "
- ii) Green Fodder Requirement (80% moisture)
  Growing kids (18 Kg Aver) 0.6x5 = 3 Kg. Green
  Adults (25 Kg.Body weight) 0.9 x 5 = 4.5 Kg.Green
- iii) Additional nutritional Concentration. @800.G requirement for growth. per day per kid.
- iv) Additional nutritional concentration @800 G. requirement for 2 mts. per day per animal of pregnency and 2 mts.
  - v) Good pasture contains 50 55 TON

of lactation

- vi) Maintenance Adults 45 50 TDN
- vii) Growth, pregnancy, lactation 55 60 TDN
- viii) DCP maintenance 1 Kg wt.

ix) DCP maintenance	5%	
x) DCP Growth pregnancy, lactation	10 - 11%	
GOAT UNIT 100 + 4 FOR MEAT	PRODUCTION UNDER STALL	
FEEDING  I. 1) Capital Investment	in lakhs	
a) Cost of thatched shed		
for Does. @ 10 Sq.Ft. covered area for 100 Does - 1000 Sq.Ft. @ Rs.25/Sq.Ft.	0.25	
<ul><li>b) Cost of shed for Bucks</li><li>@ 20 Sq.Ft. of Covered are</li><li>for 4 Bucks — 80 Sq.Ft.</li><li>@ Rs.25/-Sq.Ft.</li></ul>	a 0.02	
c) Cost of shed for kids @ 8 Sq.Ft./Kid x 160 Kids 1280 Sq.ft. @ 25/Sq.Ft.	0.32	
d) Enclosure uncovered for all sheds @ 40 Sq.Ft. per animal	= 8200 Sa.Ft. 0.10	
264 x 40 = 10560 - 2360 =		
2) Cost of Livestock:		
a) Cost of 100 Breedable Does @ Rs.450/- Animal	0.45	
b) Cost of 4 Breeding Bucks @ Rs.650/- each.	0.026	
3) Cost of Equipment:		
<ul><li>i) Feed Troughs 36 number</li><li>ii) Water Troughs 8 Nos.</li></ul>	0.072 0.012	
4) Cost of Instruments i) Balance springs, Drenching First aid Box etc.	guns 0.01	
	Total 1.26	
Total capital Investment	Rs.1.26 lakhs	
Term Loan for 5 years	Rs.1.00 lakhs	
Annual repayment of	Rs.O.20 lakhs	
•		

1. Fixed Cost:

	l. Interest @ 14%	
	a) On Investment of Rs.1.26 lakhs	0.1764
	o) On working capital of Rs.0.4743 lakhs for 5 months.	0.0332
	2. Insurance @ 3% cost.	
	a) Goats and Bucks on value of Rs.0.476	0.0143
	b) Kids @ Rs.200/- each for 200 Kids.	0.0120
	3.Miscellaneous Expenditure	
	Depreciation on Shed, Equipment and Instrumen Rs.0.784 @ 10%	ts 0.0784
	Total	0.3143
	Variable Cost:	
	Feeds and Fodders (Fodder to an extent of 30% given as dry fodder)	can be
	1) Green Fodder @ Rs.60 per M.T. @ 4.5 Kg. for 365 days (104 x 4.5 x 365) 170.82 M.T.	0.1025
	<pre>2) Green Fodder for young Stock @ 3.0 Kg. per day x 200 Nos. for 210 days = 126 M.T.</pre>	0.0756
II.	Concentrates:	
	<ol> <li>For does (6 months) 2 months of pregnancy</li> <li>2 months of lactation and another 2</li> <li>months of next pregnancy.</li> </ol>	The same of the sa
	@ 200G/day for 180 days = 3.6 M.T. @ Rs.2000/- M.T.	0.0720
	2. For Bucks @ 500 Grams/day for 3 months = 0.18 or 2.0	0.0040
	<ol> <li>For Kids @ 200 Grams/day from 3rd to</li> <li>7 months for 200 Kids ≈ 6.0 M.T.</li> </ol>	0.1200
III.	Labour one adult and one Boy Total @ Rs.25/- per day for a year.	0.0910
IV.	Veterinary and @ Rs.5/- for 104 adults and @ Rs.2/- for kids.	0.0092
	Total	0.4743

### INCOME

- By sale of young stock
   200 Nos. Average Body weight @ 25 Kg.
   Sale price @ Rs.18/- per Kg.
- 2. By Sale of 20 culls @ Rs.200/- 0.0400
- 3. By sale of Manure @ Rs.10/- per 0.1848 month per adult and @ Rs.5/- per month per kid for 6 months.

Total 1.1248

## NET SURPLUS:

Total Income - (Fixed Cost + Variable cost)
1.1248 - (0.3143 + 0.4743) = 0.3362 Lakhs

VIABILITY = Initial Investment/ Net Surplus

= 1.2600/0.3362 = 3.74

The project can pay back in a little over 3 1/2 years.



1st Yr. 2nd Yr 3rd Yr 4th Yr 5th Yr

- 1. Depreciation charges @ 10%
  - a) Buildings (Sheds) 0.69 0.0784 0.0706 0.0635 0.0572 0.0510
  - - 2. Interest @ 14%

a)	Term Loan	1.00	0.14	0.112	0.084	0.056	0.028
b)	Working capita (6 Months)	al 0.4743	0.0332	0.0332	0.0332	0.0332	0.0332
3.	Insurance	0.0263	0.0262	0.0263	0.0263	0.0263	0.0263
			0.2779	0.2421	0.2070	0.1727	0.1389

Net Suplus per per month.	Year/ lst Yr	2nd Yr	3rd Yr	4th Yr	5th Yr.
Fixed Cost.	0.2779	0.2421	0.2070	0.1727	0.1389
V.C.	0.4743	0.4743	0.4743	0.4743	0.4743
Surplus	0.3726	0.4048	0.4435	0.4778	0.5116
Term loan	0.2000	0.2000	0.2000	0.2000	0.2000
Net Surplus	0.1726	0.2048	0.2435	0.2778	0.3116
Rs./Months	1438-35	1706–65	2029-15	2315-00	2596-65

Note: Jeevanadhara and Jaladhara Schemes will be linked with each of the units under Horticulture, Floriculture, Vegetable cultivation, Goat unit and poultry unit

Institutional finance will be raised from the banks under Services area concept.

## Horticulture.\*

Profile of Horticulture Crops:

- D-1.1. It is estimated that by the turn of this century at least 25% of the rural population will have to be provided with alternative employment in agricultural activities other than traditional farming, such a diversification places a check on migration of rural people to urban area in search of employment. This is an excellent means of providing employment to a large number of people (including women, children and school dropouts) in nursery and other operations. For the purpose of this project it will not only help meeting the demand but it will also raise the income of the proximal hinterland tribal farmers insitu.
  - The following crops are proposed to be takenup in the hinterland keeping inview the experience gained in this area of propagating these crops and the demand in the local markets (Townships).
    - 1. Mango
    - 2. Citrus (acidlime)
    - 3. Guava
    - 4. Ber
    - 5. Custard apple

The details of unit cost as approved by NABARD and cost of cultivation is given in the following tables.

 <sup>\*</sup> Technical note by Sri.P.Naganand, Joint Director (H) and Sri.M.Venkateswara Rao, Horticulture Officer, Tribal Welfare Department.

## D-1.3 Mango:

Spacing: 33' x 33'

No. of plants per acre = 40.

Table No. 18 (Cost of Mango cultivation in one acre)

Thom of Evnandutura	Year Total						- 21
Item of Expenduture -	1	2	3	4	5	6	.a.i 7
1.Preparation of land	Rs. 200	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. 200
2.Digging of 40 pits of 3'x3'x3'	120	-		-	-	-	120
3.Filling back of pits	40	-		-	-	-	40
4.Cost of mango grafts (10% extra for gap filling @15/-)	600	60	-	~	~	-	660
5.Planting and staking	50	-	-	-	-	_	50
6.Irrigation	250	200	2 <b>0</b> 0	100	100	100	950
7.Fertilisers+ Manure (including first year basal dose)	280	200	240	300	350	400	1770
8. Inter culture	100	100	100	100	100	100	600
9. Plant protection	50	100	100	120	120	120	610
10.Inter crops		_	-	-	_	~	-
Total	1690	660	640	620	670	720	5000

A provision of Rs.500/- may be kept for fencing 5000+500 = 5500

D\_1.4. Citrus (Acid lime)

Table No.19 (Cost of citrus cultivation in one acre)

Number of plants per acre:	108.	spac	ing 20	)' x	20'	
Sl. Items of expenditure	1	2 .	3	4	5	Total
No.	200					200
1. Preparation of land	200					202
2. Digging of 100 Pts @ Rs.3/-	300					300
3. Filling back of pits	100		<del></del> .	_		100
<ol> <li>Cost of plant material (10% extra for gap filli</li> </ol>	500 .ng)	50				550
5. Planting and staking	100					100
6. Irrigation	250	250	250	250	250	1250
7. Manures & Fertilizers	250	350	500	600	800	2500
8. Plant protection measur	ස 100	150	200	350	400	1200
9. Interculture		100	150	150	200	700
10. Inter crop	300			<del></del>		300
Total	2200	900	1100	1350	1650	7200

A provision of Rs.500/- may be kept for fencing with intercrops:

Rs.7200 + 500 = Rs.7700.

## Table No. 20

	nava: Spacing 20 x 20 Ft. Cost of Guava cultivation in 1	Acre	- Pla	ants	per	acre	= 108)
S	L.No. Items of expenditure	1	2	3	4	5	Total
1	. Preparation of land	200	-	<del></del>	_	_	200
2	. Digging of pits and filling back of pits	400	~	-	-	-	400
3	. Cost of plant material (10% extra for gap fills)	500	50	-	-	<b>-</b>	550
4	. Cost of planting and staking	100	-	-	-	-	100
5	. Manures & Fertilizers	300	300	350	400	450	1800
6	. Irrigation	125	125	125	125	125	625
7	. Plant protection	50	50	50	75	100	325
8	. Interculture	100	100	100	100	100	500
	Total Rs.	1775	625	625	700	775	4500

A provision of Rs.500/- may be kept for fencing with inter crops. Rs.4500 + 500 = Rs.5000.

1. (Cost of Ber cultivation in 1 acre)

## D-1.6. Ber

spacing: 6' x 6'

Table No. 21

No. of Plants

in one acre: 105

A					
			Year		
sl.No	Item of expenditure	l Rs.	2 Rs.	3 Rs.	Total Rs.
1.	For raising Ber plantation in one acre:	2325	625	820	3770

A provision of Rs.500/- may be kept for fencing with inter crops: Rs.3770+Rs.500= Rs.4270 or Rs.4300

## Table No.22

(Cost of custard apple cultivation in 1 acre)

## D-1.7. Custard apple:

Spacing: 5 x 5 Ft.

No. of plants in one acre : 160

No. of plants in one deservation			<del></del> -	
Sl.No. Items of expenditure	1	2	Years 3	Total
<pre>l. For raising custard   apple in one acre:</pre>	2100	700	700	3500
ر در	<del></del>			

Table No. 23

(Crop-wise Gross income and yield in 1 acre)

(Crob-wrac	<u></u>		. <del></del>
Crop	No.of years required for optimum yield.	Gross income	Yield Kgs.
Mango Citrus Guava Ber Custard ap	10 10 5 5 5 5 5	8,000 - 10,200 9,000 4,000	4,000 5,120 3,000 4,000

D.1.8. The horticulure crops have already been introduced in these areas as a part of ITDA and DRDA Programmes. In the project area it is proposed to take up Horticulture programmes on the pattern as approved by the NABRD by linking this activity with the banks under the 'Service Area' concept. Besides the per acre requirement of finance which will be provided by the banks, an amount equal to 30% of the investment will be provided as subsidy by ITDA/DRDA provided 75% survival of the plants is ensured each year. The following will be the subsidy crop-wise.

Table No.24
Crop-wise Unit cost and subsidy

Sl.No.	-	Total investment Unit cost) in Rs.	=	
1.	Mango	5500	1650	
'2.	Citrus	7700	2300	
3.	Guava	5000	1500	
	Ber	4300	1300	11***
5.	Custard appl		1050	

D.1.9. The subsidy portion will be utilised for payment and incentive to the tribal farmer. The existing HNTCs will be providing the necessary support.

Supervision will also be provided by the Project Horticulture Officer of ITDA. This programme will be taken up in all the villages of the proximal hinter land area over a period of 10 years.

#### VEGETABLE CULTIVATION:

D.1.10. The demand for vegetable surpasses the demand for flowers and fruits and stands next only to cereals and

pulses. At present the vegetables are being brought to area from long distances like Nagapur this Area, vijayawada for Khammam area and Bellamalli Ramagundam area. There is scope of Hyderabad for area under vegetable cultivation. the expanding Vegetable cultivation is very simple and it does not require costly inputs, the returns are quick and considerabale. Experience of vegetable cultivators all over the State has proved that the returns are usually double the investment. However a proper strategy of crop sequencing has to be followed so that the operations run throughout the year and vegetables made availble. Since there is an assured market, vegetable growing proposed to be taken up on a large scale in the proximal hinterland on the holdings of the tribals. 1 to 1.5 acre plots are suggested with existing irrigation well or well under Jeevandhara programme. This will be in combination with horticulture plots; so that temporary loss of income from land which will result because of the gestation period of the horticulture crop can be made good by vegetable cultivation.

D\_1.11 Careful guidance can be given to the cultivator by the extension Agency in the matter of crop sequencing, management and harvesting. The activity should be linked effectively with organised markets, shandies and must coincide with the payment days of the SCCL.

13

<sup>\*</sup> Technical paper by Sri.P.Naganand, Joint Director (Horticulture) and Sri.M.Venkateswara Rao, Horticulture Officer, Tribal Welfare Department.

# VEGETABLE CALENDER

	Yield in one acre i in MTs.	(11)			35 70-135 days .8,72		2,4-3.2	40 <b>-90</b> 2.8-4
	& Conmen- s cement & c completion i acre of har- vest in days	(01)		3 70-150 50K, 6-10 ing split 5	4	FYM 4-6 & 50 'K'.	M 50-120	au au
	Manures & fertilizers (NPK in kgs. per ac	(6)		20-25 tonner FYM, 50 P, before Sowil 100 Nin 3 doses 30,60 and 90 days after plant	2 to 3 Kg Fym/plt P and 20'K before Planting,30'N in two split does at flowering and mid harvest.	25 tonn of FYM 100 '065'P & 50	12 tones FYM 50-120 17.5'N 70'P & 35'K	20 to 25 tonnes 30 N, FYM 60P and 60K before sowing 20 N in 2 split does at flowering and mid
	Spa cing	(8)		60/90 or 75/ 45 Cms.	1-5/1-2 Mts.	45/45 cms.	30-45/ 150 cms	45 CMs.
	Method of pla- nting	(7)		Transpl- anting in in flat bed.	Dibbiing	Transpla nting.	Dibbling	9
	Seed rate for 1 acre	(9)		0.260	1.2	0.6000	3.2-4	4
	Planting time	(5)		Mar-April June-July t. Oct-Nov.	1	June-July Oct-Nev.	,	· {
	Sowing	(4)		Feb-Mar May-June SeptOct.	Feb-Mar June-July	May-June, Sept. Oct.	June-July Feb-March.	Feb-March June-July
	Variety	(3)	A.Summer and Khariff season	Pusa Anmol (Hybrid) Pusa Purple cluster, Pusa purple purple long, pusapurple round, Srka Sheel, Arka Shirish, Arka Khusmakar, Arka Navaneetha, Pusa Kranthi, Phagyamati	PH. 4 & point Sammat. : Japanese long, Green straight and striped small fruits.	3. CHILLIES: N.P. 46-A, G-3,G-4, C.A.960 and JWala.	Pusa Navbahar, Pusa Sadabahar, and Pusa Masami, Durgabhar, (Rajasthan)	Pusa Sawani, Pusa Makhamali Kacita, Parbhani, Kranti Co-1 Pubjab Padmini Selection-2 Lam Hybrid Selection-1
	Crop	(2)	ummer and	1. BRINJAL	2, CUCUMBER:	CHIMIES	4. Cluter Beans (Guar)	5. Bendi
	No.	Ξ	A.S	ä	Ŕ	e e	भं	หา

	1						102
			,	र्च		10-1	8
2 2 2	<b>E</b>	89	60-120 days 3.2-4.	70–100	8-12 oses	60-90 10-12	55-100 4-6
	(10)	3 Kgs FYM/Pit before planting in 2 split doses owering and mid st.	onnes FYM 40 P an before planting in 2 split lanting time and	kgs FYM per pit before planting in 2 split doe: lowering and mid est.	Kgs FYM per pit re Planting 35'N Split 150-180 d lowering and	onnes of FYM 50 pe 60'K' per APAU re- endations)	30/15cms. 10-15 tonnes of FYM 20'N 60'P & 60 'K'.
Manur fertili (NPK kgs. F	(6)	2 to 335 P W 30 N at Flu	20 To 20 K 75'N' at pl	2.3 k 35 P 30'N at f			. 10-1 FYM E 60
Spa cing	(8)	1-8/ 1-8Mts.	60/45 CMS.	1/1 M	1.8/1.8m	30/10 cm	30/15cms
Method of pla- nting	(7)	- OP-	<del>\$</del>	Sowing in pits.	<b>Spli</b> ng	anspla- ation.	oling
Seed rate for 1 acre	(9)	8	0.2	7	2.8 Dit	3.6 Tre	28 Dibbling
Planting time	(5)	1	July-Aug Nov-Dec		<b>k</b> .	Dec-Jan July-Aug (Bulb) Oct-Nov.	1
Sowing time	(4)	Feb-March June-July	June-July Oct-Nov.	June-Aug Feb-March	June-July	Nov-Dec May-June Aug-Sept.	Oct-Nov.
Variety	(3)	Pusa Summar Prolific long and Pusa Summar Prolific round Arka bahar (11 HR) Pusamanjari F 1 Hybrid,	Pusa Megh doot.  Pusa Ruby, Pusa Early  Dwarf Punjab Chauhara, Arka  Saurabh, Arak Vikas.	Pusa Nasdar and Jagtial long, Co-lPKM-l	Oblong, round Co 1 Co - 2	RABI or WINTER Pusa Red, Bellary Red & Pusa Ratnar, Co 3 Co 2 Arka	Pratathi. Early, Badger Arkel Perfection Oct-Nov. New line Bone ville.
Crop	1		7. Tomato	8. Ribbed gourd	9. Ash- gourd	10. On the	. Peas
	Variety Sowing Planting Seed Method Spa Manures & Collinical Sowing Planting Seed Method Spa Manures & Collinical Sowing time rate of pla-cing (NPK in completion for nting kgs. per acre of harlace	Crop Variety Sowing Planting Seed Method Spa Manures & Collinical fertilizers cement & for nting Kgs. per acre of har-1 acre (19) (2) (3) (4) (5) (6) (7) (8) (9) (10)	Crop Variety Sowing Planting Seed Method Spa Hanners & Communication for nting rate of pla- cing (NPK in completion for nting lacre (NPK in completion of harves Summar Prolific long Feb-March l 2 -do- 1-8/ 35 P before planting 6 2 cund Arka bahar (11 HR) Pusamanjari F 1 Hybrid, harvest.	Crop Variety Sowing Planting Seed Method Spa Manures & Communication of plane cing (NPK in completion of plane cing (NPK in completion of plane).  (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (10) (10) (10) (10) (10) (10) (10	Crop Variety Sowing Planting Seed Method Spa Memures & Committee of placing fretilizers cement of time rate of placing fretilizers cement of time from time rate of placing (NPK in completion completion completion)  (1) (2) (3) (4) (5) (6) (7) (8) (9) (10)  (10) (11) (2) (3) (4) (5) (6) (7) (8) (9) (10)  (10) (11) (12) (13) (14) (14) (15) (15) (15) (10) (10) (10)  (10) (10) (10) (10) (10) (10) (10) (10)	Crop Variety Sowing Planting Seed Method Spa Manures & Committee time time from time for ining time completion time from time for ining for ining september of plane cing for ining (NPK in completion (NPK in completion completion) and Pusa Summar Prolific long Peb-March 1 2 -do- 1-9/ 35 P before planting 6 you will be pusa mark Prolific long Peb-March 1 2 -do- 1-9/ 35 P before planting 6 you will be pusa mark Prolific long Peb-March 1 2 -do- 1-9/ 30 N in 2 split doess 4 pour does planting time and after 45 does 30 N in 2 split does 30 N in 2 split doess 30 N in 2 split does 30 N in	Crop Variety Sowing Planting Seed Method Spa Manutes Committed time time time for a plase cing (NPK in completion for a planting seed Method Spa Manutes Compiler of the completion of the condition of the condit

\*FYORICULTURE:\*

ornamental foliage plants etc. It is an intensive type of horticulture and is a highly remunerative. In the town ships of the SCCL and the other industrial complexes in the vicinity, there is growing demand for flowers which are at present being brought from outside the State over a long distance. Besides fresh flowers, extractions of oils from flowers such as Jasmine, Tuberose, used for manufacture of cosmetics fetches as high as Rs.8000 to Rs.12000/- per Kilogram.

In the hinter land 28 villages will be selected within 5 to 8 Kms distance form the 14 townships identified (in section-B). 2 villages will be taken up each year up to 1990-95. The remaining 18 villages will be covered in the remaining 5 years after gaining experience and establishing oil extraction plants. The varieties of flowers to be grown and the crop profile along with economics is given below:

#### 1. ROSA CHINENSIS (Rose)

Rose is considered to be queen of flowers. Rose does not like water logging but needs, plenty of water for optimum growth and develoment. Sandy, clay and alluvial soils are better suited for its cultivation. In the

<sup>\*</sup> Technical note by Sri. P.Naganand, Joint Director (Horticulture) and Sri.M.Venkateswara Rao, Horticulture Officer, Tribal Welfare Department.

nainfield the shrubs are planted at a spacing of 1.5 x 1.8 mts. Manuring is done thrice in a year ie., July-Octo-february. Pruning is done from Feb., to March in hilly areas but in plains it is done from October to November. In commercial gardens pruning is done in the month of March.

Economic flowering commence from 2nd year onwards. This will continue upto 7 or 8 years., about 2 lakhs flowers expected per acre/per year. Details of cost benefit ratio is furnished in the following paragraphs.

## 2. JASMINUM, SAMBA (Jasmine)

Universally accepted as commercial Jasmine. It will come—up well in light soils. The shrubs are planted with a spacing of 1 to 1.5 mts. Farm yard manure should be incorporated in the soil. Flowering treatment is to be given in the month of November. It comes to flowering from 3rd year onwards.

Jasminum Samba gives an yield of 1000-15000 Kg/ac. The details of cost of cultivation is furnished in the following paragraphs.

## 3. CHRYSANTHEMUM:

Generally called as Autumn Queen. Very common flower in South India. Genus, chrysanthemum consists of a number of annuals, perinnials and Hybrids. Disbudding is an important feature in Chrysanthemum. Soil should be well prepared, ridges formed at a distance of 60 Cms. Suckers are used for planting at a spacing of 20 - 30 cm

apart. Manuring is to be given as per the recommended schedule. Early planted crop comes to flowering in July - August. Average yield is 3000 Kg/ac., details of cost of cultivation is furnished in the following paragraphs.

#### 4. CROSSANDRA, INFUNDIBULIFORMIS: (Crossandra)

It is an important flower crop in Tamilnadu and Andhra Pradesh. Sandy loams are best suited. This crop comes up well in climate having 75 - 80° F. Nursery raised in July - August. The seed rate is approximately 3 Kg/ac., sown in 1½ cents, 50 days old seedlings will be planted in the mainfield at a distance of 1 x 1'. Appplication of fertilizers will be taken, up as per the recommended schedule. This comes to flower from 3rd or 4th month of transplanting. Flowers are available for picking 6 months in a year. Expected yield per acre is 1200 Kgs/year. Crop can be retained in the field for 2 years. Details of cost of cultivation is given in the following paragraphs.

### 5. MARIGOLD:

Marigolds are one of the easiest annual flowers to cultivate and have wide adoptability to different soil and climatic conditions. The plants, with their attractive flowers bloom for considerably a long period. The most popular annual flower for garden display as well as for commercial cultivation. Expected yield is 3000 Kg/ac. Details of cost of cultivation is given at the end of this note.

1100 \$ 100

# 6. POLLANTHES, TUBEROSA (tuberose)

Plant is dwarf, hardly exceeding 15-20 cm. Flowers are highly fragrant. The spikes are useful as cut-flowers in vase decoration and bouquets used during marriage and religious ceremonies. The plants are grown from bulbs. Tuberose thrives best in fertile and well drained soils and sunny places. Peak flowering season in the plains is between June and October. The details of cost of cultivation is furnished.

Table No. 26

COST OF CULTIVATION OF ROSE PER ACRE

Spacing 4' x 4' No. of plants per acre = 2700

Sl.	Item of development	lst Yr	. 2nd Yr.	3rd Yr.
1.	Preparation of land Digging of pits 2700 nos	500 1000		
3. 4.	Planting material @ Rs.2 for ordinary. Compost/farm yard manure	5400 1500	1000	1000
5. 6.	Fertilizers Cost of application of manua	res	400	
0.	and fertilizers	<b>200</b> 500	400 500	200 500
7. 8.	Irrigation Interculture opperations	500 300	500 400	500 400
9.	Training and pruning	100	500	500
10. 11. 12.	Harvesting Plant protection measures Miscellaneous	800 <b>20</b> 0	1200 200	1200 200
12.		12000	6200	6200
	•			

Unit cost for ordinary roses is considered as Rs.18,200/Maintenance cost for 3rd year may be Rs. 6,200/considered as Rs.

Economic yield starts from 2nd year. Yield 2,00,000 flowers/Acre/year gives Rs.20,000/acre /year (from 2nd year to 8th year)

For extraction of essential oils: Rs.40,000 ac (@ Rs.10,000 per Kg.oil)

Table: 27

#### COST OF CULTIVATION OF JASMINE PER ACRE

Spac	ing 5' x 5' No. of plants per	acre	• • • • • • •	1750	,:
Sl.	Items of expenditure	lst Yr	2nd Yr	3rd Y	r Total
1.	Preparation of land	200	<b></b>		200
2.	Layout (lining and pegging)	100			100
3.	Digging and filling of 1750 pits of 1 1/2 x 1 1/2 x 1 1/2 size	1750			1750
4.	Cost of plant material 2 cuttings/layers per pit and 50 ps per cutting.	1750	175	<b></b>	1925
5.	Planting of the layers/ cutting and watering.	200	. I. ≰#., <sup>1</sup> <del></del>	्ध <sup>ा</sup> ः -	200
6.	Irrigation .	200	250	350	800
7.	Manures, fertilizers and its applications	875	1050	1500	3425
8.	Plant protection	100	200	300	600
9.	Intercultivation operations	200	250	250	700
10.	Pruning	. A <del>rea</del>	100	800	300
11.	Harvesting and picking	•••• • •	200	800	1000
		5375	2225	3400	11000

Economic yield starts from 4th year onwards, yield 1500 kg/ac which gives an income of Rs.15000 per acre.

Extraction of essential oils. Rs.50,000/per ac. @ Rs.10,000 per Kg. oil.

•

Table No. 28

COST OF CULTIVATION OF CHRYSANTHEMUM PER ACRE

	COST OF CONTINUE	<del></del>		
sl.	Item of development	Amount	Rs.	spent.
No.	د که هر چه کران کرون کردن خورد کرون کرون کردن کردن کردن کردن کردن کردن کردن کرد		E00	
1.	Preparation of land	· 1	500	
2.	Cost of suckers/cuttings/transplanting	-	3000	
3.	Staking, stopping and disbudding	:	1000	
٠.	· · · · · · · · · · · · · · · · · · ·		3000	
4.	Manures and fertilizers			
5.	Irrigation		400	
6.	plant protection		300	
_			800	-
7.	Intercultivation			
8.	Harvesting and packing		1000	
0.		.		
	• •		10000	
	1			1

Yield 3000 Kg/per Hect.

which gives an income of Rs.30,000 per Ac/per year.

#### SECTION E

(Availment of Facilities and Concession-Organic linkages of various institutions with SCCL-Procurement of Scarce raw materials and policy Frame)

#### Policy Implication

LIDDZRY

E.1 As stated in Section - A, the Policy for the purpose of this Action Plan envisages a shift in the approach.

Total reliance will not be placed on concessions, reservations, lowering of standards, compromise on quality and merit, however the concessions, which are already available on the statue book, generally to all SSI and other units and special facilities envisaged for tribals and for industries located in tribal areas will be availed while striving to maintain the quality.

The concepts of 'Business Incubators', 'Escort Services' and 'Venture Capital' will be put into operation and assistance from Industrial Credit and Investment Corporation of India (ICICI) and Technology Development and Information Company of India (TDICI) will be sought.

- E. 2. The various price preference practices available are summarised below:\*
  - I. Government have issued instructions in a consolidated form indicating the price preference to be allowed for various categories of Industries, through Govt. Memo.No. 6431-D-67-1 (Industries and Commerce Dept) dt.8.1.1968.

<sup>\*</sup> Report on bulk purchase made by selected Govt. departments and Public Sector Under takings in A.P.-APITCO.

The following are the details:

- a) 15% Price preference for indegenous products over imported ones.
- b) 5% Price preference to locally made items over categories outside the state.
- c) 10% Price preference for Cottage and Small scale industries products.
- d) 5% Price preference for the products of Cooperative Societies.
- e) 2% Price preference for products with I.S.I Mark over other products which do not confirm to ISI standards.
- E.3 II. In G.O.Ms.No.1020 (Industries and Commerce (SSI)

  Dept. dt. 30.11.76 read with G.O.Ms.No.564, dt.31-10-80

  among other things the following instructions have been issued.
  - a) Items of Stores canbe purchased without calling for tenders from Government Central Workshops-Cum-Training-Cum-Production Centres by all Govt. Departments Undertakings/ Corporations.
  - b) Prices fixation Committee to be constituted to settle the Price, the Committee will consists of representatives of purchasing depts/ organisation, manufacturers of items, Commissioner of Industries or his nominee.
  - c) The purchasing Department/Organisation should enter into Annual Contracts with local industries wherever possible.
  - d) Exemption from payment of EMD and Security deposits for SSI registered Units.
- E.4. III. According to G.O.Ms.No.540 dt. 24.3.1984 items sold by local units to Public Sector under takings/Government

- Departments will entail Sales Tax at 4% with effect from 1-4-1984.
- E.5.IV. The following incentives are provided in G.O.Ms.No.224

  Industries and Commerce dept. dt.9.3.1976.
  - a) 20% Subsidy of the fixed capital cost subject to a ceiling of 15.00 lakhs scheduled areas, where the capital cost does not exceed 1.00 Crore.
  - b) Interest free sales Tax loan limited to 10% of the fixed capital cost.
  - E.6.V. The following incentives are provided in G.O.Ms.No.201

    SWD dt. 17.12.76 and G.O.Ms.No.85 SWD dt. 18.3.1977

    Specifically for Tribal Areas.
    - a) 50% exemption on Sales Tax on purchase of raw material, machinery, equipment etc., and complete exemption of the products of the Industry for a limited period of 5 years.
    - b) Exemption from Stamp duty.
    - c) 50% concession on Water rates
    - d) Exemption from non-agricultural assessment.
    - e) 20% investment subsidy on fixed capital cost.
    - f) Free developed plots to ST entrepreneurs. Buildings/Sheds will be allotted by A.P. Industrial Infrastructure corporation and the actual cost will be realised over a period of 20 years free of interest.
    - q) 50% remission in Power tariff
    - h) 5% Price preference over and above the existing Price preference for a period of 5 years provided that not less than 80% of the persons employed in the units are tribals.
    - i) Credit guarantee for small and cottage industry units run by S.T. entreprenures in Scheduled areas upto 25%.

- E.7. Advantage of the Revolving Fund created in G.O.Ms.No.40 SW(E) Dept. dt.25.2.87 with S.F.C.will also be taken apart from providing 20% MM from TRICOR.
- E.8. By a process of careful orchestrisation of the foregoing concessions a head start can be given to the industrial units proposed to be established by/through tribal entrepenuers, so far as finances are concerned. On the managerial and quality control side the SCCL may have to provide the cover by allowing organic linkage with its Training, Industrial engineering and other Departments.
  - E.9. The linkages with SCCL as envisaged are as follows:
    - 1) Selection of candidates for various trades by a Committee consisting of Project Officer, ITDA., as Chairman, Principals of I.T.Is and nominee of the SCCL; from among the Ashram schools, Residental Schools and X class dropouts in the proximal hinterland for admission into I.T.Is. The existing procedure of common selection process will have to be done away with.
    - 2) The I.T.Is have to follow the standards and syllabus prescribed by NCTVT. Hence there is very little scope to change this. The quality of the students can be improved by adding to the course, placement programme in the Training Centres and workshops of the SCCL for on course practical work.
    - Similar Procedure must be followed inrespect of Polytechnic students in DME, DEE courses.
    - 4) For the purpose of sponsoring appprentices the project Officer ITDA, Principal I.T.I. and representative of the SCCL will constitute a committee. The existing procedure will have to be changed.
    - 5) The Common Facility Workshop-Cum-Production Centres will be similarly linked with industrial Engineering Wing, Workshop and Training Wing of the SCCL. Indents for stores materials will be given in advance and during the course of production periodic inspection will be made by officer of SCCL.

- 6) Similar arrangements will be made for Motor driving schools, SSI units and the Agro economic schemes proposed for the proximal hinterland, with modifications in licence issuing procedure.
- 7) Introduction of computer courses in Polytechnics must be taken up so that the future requirement of SCCL and other industries can be met.
- 8) In Bhadrachalam Polytechnic and also Srisailam Polytechnic mining survey course should be introduced as there is considerable demand for this discipline.

## TIE-UP ARRANGEMENTS WITH OTHER ORGANISATIONS FOR SUPPLY OF CONTROLLED AND OTHER COMMODITIES

Procurement of Scarce Raw Material etc., Policy:

- There are certain indigenous raw materials which are in E.10 short supply and whose distribution is done through the The concerned Ministries agencies. of Government Government make bulk allocations of such Central materials to the Development Commissioner (Small Scale Industries) New Delhi, who in turn allots it to the State Directorates of Industries/in turn distribute the same to the units located in their State keeping in view their requirements on the one side and the total availability of such raw materials on the other.
- E.11 The small entrepreneur because of his limited resources cannot obtain raw materials in bulk. For him a quota is fixed by the State Director of Industries based on unit's capacity. The requirements of each unit are Worked out as far as possible, on the basis of their assessed capacity per shift and on the basis of actual previous consumption. Such demands are then pooled by the Central Government and Statewise allocations are made for small industries depending on availability.
- E.12. Industrial units have to apply to the State Director of Industries for their requirements of scarce and controlled raw materials. Separate applications have to be sent for each raw material.

- E.13. The scarce and controlled categories of raw materials are iron & steel, non-ferrous metals, coal furnace oil, kerosene, certain chemicals, tallow/fatty paraffin wax etc. There is a special producedure for distribution of indigenous Iron and Steel. The Iron and Steel Controller allocates the metal to State Small Industries Corporations at the beginning of each year, keeping in view the demand placed by each corporation. Small Scale Units will have to place their indents for their requirements with S.S.I. Corporation. The policies for distribution of Iron & Steel change from time to time depending upon the production of Iron & Steel.
- E.14 In the present distribution system and State Small Industries Corporations act as stockists of raw materials and thus supply them from their sales depots in different cities. Arrangement to identify such items requirements from time to time will have to be made so that APSSIDC can supply the required material directly.

- (Resume Source of finance Financial and administrative arrangements activity phasing and implementation preparation of micro-action plans role of Project Officers in implementation overseeing and co-ordination)
- Project has to be treated as a rehabilitation This F.1 measure because the influx of outside population and disorientation in the economy of the tribals caused by the pressure of the growing economic activity within and outside the tribal areas has creataed a situation which in many aspects identical to physical displacement: is is in a way more serious than physical displacement which takes place "ONCE FOR ALL" and the oustee prepares himself mentally and psychologically to face the new situation. In the case of displacement it may sound paradoxical the displacement is continuous a group of people whose capabilities are limited compared to the demands of new matrix. Every time a new activity is introduced or a wave of migrants sweep the area, it results in a debilitating effect on the local population. This plan therefore aims at focussing attention on tribals of the hinterland.
- F.2 The schemes envisaged in the Action Plan have to be carefully orchestrated and fully supported in terms of policy measures and finances as discussed in the Section-E. Bulk of the expenditure on the maintenance of existing institutions is not exhibited in the Action Plan. Eventhough the benefits that flow from this have been taken into account and expressed in terms of

physical targets only. The flow chart and the phasing of the project are subject to approval of the policy by SCCL/Government and clearance of the schemes after detailed technical clearance by line departments and experts of SCCL as stated in Section-A.

- The finances for this project have to necessarily come F.3 from different sources because of the varied nature of the activities which are envisaged for the development of the proximal hinterland. The schemes envisaged here are not different from the ongoing schemes under ITDA, DRDA, Technical and other educational programmes. It therefore desirable to pool the various resources and employ the same to achieve the specific objectives of the action Plan. The sources of finance may be follows:
  - 1) Special Central Assistance: ITDA
  - 2) Tribal Sub-Plan Funds of Industries, : Agriculture, Horticulture, Animal Husbandry etc.
  - 3) DRDA Funds (Outside ITDA Area)
  - 4) Institutional Finance:
    - a) Commercial and Co-operative Bank
    - b) APSFC
    - c) APSSIDC (Andhra Pradesh Small Scale Industrial Development Corporation.)
    - d) APIIDC (Andhra Pradesh Industrial Infrastructure Development Corporation)

- bodies for augmenting their finances, it is desirable that atleast a small percentage, in addition to this, is released for the purpose of implementing the schemes envisaged under this Action Plan mainly to accelerate development, thereby creating a sense of satisfaction in the minds of the Tribal population in the hinterland.
  - of the micro-action plans after which the ITDAs concerned and DRDA, Karimnagar along with Banks, APSFC, APSSIDC, and APIIDC, should earmark the funds required for the Action Plan schemes every year and release it to the implementing agencies according to an agreed schedule. Diversion of earmarked funds should not be permitted.
  - F.6 Each district will constitute a "sub-area" for the purpose of this project under the administrative control of the ITDA concerned and DRDA KARIMNAGAR. The activities will be monitored by a Sub-Committee consisting of the General Manager, SCCL, PROJECT OFFICER ITDA, and Assistant Project Officer, Industries and Employment (to be creataed) as Secretary and Convenor of the Committee.
  - F.7 The financial requirements worked out to cover 46,006 S.T. families over a period of 10 years comes to Rs.5,177.75 lakhs, of which the subsidy component is Rs.1,639.28 lakhs and institutional finance is

Rs.3,171.97 lakhs. Schemewise, Yearwise details of finance requirements is furnished in the following tables.



ACTION PLAN FOR EMPLOYMENT OF TRIBAL DEVELOPMENT IN PROXIMAL HINTERLAND OF SINGARENI MINING AREAS - 1990-2000 A.D.

Statement showing Financial & Physical Targets: Subsidy & Institutional Finance Components
PHASE-WISE - YEAR-WISE

01-01-01-01-01-01-01-01-01-01-01-01-01-0					FILA JE.	-  - 	11 11 10 10 11				Fil	FIASS-II		L	1
יייי איניייני פון אוני סמונגישני איניי	<b>, T</b> III 0	18t 2nd	18t	2nd	Years	4rth	5th	Total	1at	2nd	3rd Y.	Yeararı	543	totes.	6,10t)
11年以中的金融企业的金融企业的企业,企业的企业企业,企业的企业的企业,企业企业企业企业企业企业企业企业企	# # # # # # # # # # # # # # # # # # #		2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -		7			0		12	6 10 10 10 10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; 1 <u>5</u> -1	i i 191 141 141	
I. DIN SON SHILL NAME :		Uhalowad:	<b>!</b> 	•	i i i	)   					:				
A. Recruitment (Flywical largets only) Hos.	only )Hos.	as exist- ing infr- astructu-			•										
1. Technical Graduates	" HOB.	re will be used.		4	r	. m	ſΛ	31	*	₹	₹	4	~	20	51
2. Technical Diploma H <sub>o</sub> lders 3. Skilled (Certificate	, Nos	-qo-	ru.	ហ	ĸ	'n	ın.	25	10	10	10	10	Ç	50	75
	<b>=</b>														
a) Electricians	Nos.	-qo-	54	95	56	99	56	278	100	5	100	130	100	560	176
b) Fitters	Eog.	-d b-	41	56	56	96	56	265	02	ດລ	OΩ	60	80	406	999
c) s.r.Operators	, coa	-0P-	100	150	úS	73	70	155	145	100	90.	100	100	545	1800
4. Under Jan Office and the state of the sta	30 E	- 075 - 075	4 L	1.1	1 1	1 .	1.1	++ F	į ·	1 '	<b>(</b> )	1 .	i.	4 <sup>t</sup>	٠.
a) Badli Fillers	n o ta	-do-	300	8	1300	54	0191	4810	88	<b>\$</b>	1200		1200	43 60	9110
b) Scountty & Frotestion Compa c) Clarko	pa toota	-0-1-	St.	8,	ड १	<b>አ</b> ፣	ė,	250	00-	₿,	<u>\$</u> '	₹ ,	9 -	500	52.5
Cthers	Hos.	人型	4	ı	ı	•	r	7	•	•	٠,	1	L		3
B.Truining:	(F)9s. to laths		20.25 20.70		9.6	8.0	10.30	71.20	31.20	31.8	23.70	23.70	23.53	133.50	264.70
1) Its vy Tehicle Motor Delving Arabaes	Nos.		100	150		5	4	ln.	82	200	150	150	150	850	1305
2. Salli Fillero Truinses (P	(F)Rs.in lukhs		0.45 0.60		8	1.7	2.50	7.21	0.15	3.5	1.60	 8.5	1.60	6.45	09.61
	8.03	4	707	;	,	1160	6/0I-	7010	3	<b>}</b>	3	3	1	æ. 2000 1000 1000 1000 1000 1000 1000 100	<u>.</u>

2. Individual/Collective/Googe	if.undikedr endicitariaria e) 5.5.1 Sector 1. Sumon-Pacility-working- cum-production Gentres.	Rs S. 75.25 IP. 1aths 10. Nos. PT.	L	•		4.50 62.00 66.50	11.25 107.00 118.25	15.75 169.00 184.75	15.75 20.25 97±00 111.00 112.75 131.25	20.25 111.00 131.25	24.75 125.00 149.75	29.25 139.00 168.25	5 33.75 0 153.00 5 186.75 3	123.75 625.00 748.75	139.56 794.00 933.50
Iron-Gamelas 4.72  Gamelas 4.72  Gamelas 4.72  Bamboo IF	2, Individual/Gollactive	Rs.in. G.T. Buckets Rivets Tle.Motor rewinding			<del>5</del> ∉		51.50 19.00 50.50	31.50 19.00 50.50		51.21 32.40 85.61	51.21 32.40 <b>83.61</b>	51.21 32.40 83.61	51.21 32.40 83.61	267.84 167.60 435.44	299.34 186.60 485.94
S 0.47 0.79 0.63 5.13 43.38 50.40 79.69 73.04 77.22 81.72 86.22 397.89 IF	3. Cottage Industries	4.72 11s 3.23 amboo IF askets TO	0.47		. E E O	0.63 0.63 100	0.63	3.15	46.0 49.0 150	1.58 1.58 1.58 2.50	1.26 1.26 1.26	1.26 1.26 1.26 200	, <del>, , ,</del>	86.30 6.30 1000	9.45
	; Sub-Total:		0.47	0.79 0.79	63 6		43.38 126.00 169.38	50.40 188.00 238.40 512	79.69 135.80 1 214.69 2	73.04= 43.40 16.44	77.22 157.40 234.62 229	81.72 171.40 253.12	86.22 185.40 272.12	<b>397.89</b> <b>792.6</b> 0 1190.49 1	448.29 980.60 428.89 1608



1				۔ ای	ر ج کی		ន	.63 .37 .00 .080	9329		CCC	( , , ; ; <del>; ; ; ; ; ; ; ; ; ; ; ; ; ; ; </del>	<del>2                                    </del>		SSS = 1
17	371.4	866.70 238.25	57005	} ;	. ( - 12 SI		in.	714.0 1667.1 2352.0 8208	0.2767	25.5	5. C + 2. C C C C E		, ,,,	13 <u>13 Cl</u> Cl	မှာတို့ မည်တို့
1	13 6	- c	ć,		720,00 730,00 750,00	22.76 32.50	),ic	476.42 1111.58 1588.00 54720	68 00 150 00 100 00	70.03 11.11		145.00 165.00 100.00	10.00 10.00 10.00	6 C C C C C C C C C C C C C C C C C C C	6.64.9 6.056 6.056
15	10	75. 1000	<u> </u>	٠,	<u> </u>	2.74 2.74 5.02	s 1004cs	65.30 152.38 2.17.08 6020	13.00 13.00 26.00 20.00	14.30 14.00 25.30	21.10	* * C. & * D. A.	2.00 4.00 0.200	2-6 825 6	0 E G
1.	2	30,04 51,50	,		49.00 70.00 70.00 04ca3500	-10 r	23	38.14 88.98 127.12 3520	13.00 13.00 26.00	11.00 14.00 7.00 7.00	100 C	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	୍ଟ ଦ <del>4</del> ଚିତ୍ର <mark>କ</mark>	2.50 00.51 00.51	5 4 6 5 6 6 5 6 6
13	79.63 79.63	97.5° 132.26	1	-1 -	54.05 126.03 150.00 004ea 300	5.10 7.20 10.30	140 Ac	96.78 225.78 322.56 9060	27.20 27.00 00.00 00.00	14.00 12.00 10.00 10.00	77.70 77.01 74.10	866 866 866 866	00000	6.55 6.50 6.00 6.00 6.00	0.50 15.0 3.50 10
		85.10 121 <b>.521</b>	ا ت ت		2868 8868 8868 8868	0100	r.	92.60 216.10 308.70 9060	20.00 00.00 00.00 00.00	14.00 14.00 28.00 20.00	74.00 54.00 54.00	565 665 665	688 <sub>8</sub>	67.0	0 - 8 0 - 8 0 - 9 0 - 9
<u> </u>	6	290.52 426.46	15000 3	4	126.0012 160.0012 160.0012	7.56 3.82 5.48	<b>4</b> 09	428.34 611.94 611.94 27060	13.00 13.00 26.00 20.00	14,00 14,00 28,00 20	27.00.77.00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	(ଜ୍ୟୁ ଜୁନ୍ଦୁ ଜୁନ୍ଦୁ	0 - 8	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
101	23.8	228.92 412.75	9000 203		109.50 255.50 365.00	4- 4-	110 Aca	238-21 555-79 794-00 27360	32.50 32.50 65.00 50	35.00 35.00 70.00 50	67.50 67.50 135.00	7.50 105.50 125.00	10.00 10.00 20.00 100 <b>0</b>	2.50 10.00 10.00	2,50 7,50 10,00
Ĩ.		32.83 46.88	j		18.00 42.00 50.00 3000	. w.⊢.∾	a 60 Acs	32.65 76.19. 108.84 3010	3 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.00 7.00 14.00	13.50 13.50 23.50 23.50	25.55 5.55 5.55 5.55 5.55 5.55 5.55 5.5	2,00 4,00 200 200 200	2.30 2.30 1.00 1.00 1.00	01.6. 00.00 00.00
9 - 8 - 8 - 8 - 8	7.73	15.02 25.75	, † -		10.50 21.50 35.00	`. ⊡4 <u>-</u> 01	P C	19.07 44.49 63.56 1760	6.50 13.50 0.00 0.00	7.00 7.00 14.00	13.50 13.50 27.50	19.50 21.50 21.50	200.4 00.4 00.200	2.50	2 20 2 20 10 10 10 10 10 10 10 10 10 10 10 10 10
11 (-	σ.	66.13 66.13	ı	٠	27.00 63.00 98.00 84500 &c	7.60	.70 Ac	112.89 151.26 151.26 4530	6.50 6.50 13.00	7.00	27.50 62.50 62.69	11.55 11.50 21.50 21.50	2.00 4.00 4.00	2.00	2.55
11.0	l Ci	12, 53 50, 76			2000 500 500 500 500 Aso	22.0	50 Aç8	46.30 108.05 154.35	6.50 6.50 13.00	7.00	13.50 13.50 20.75 20	17.50 21.50 21.00	200 200 200 200 200 200 200	2,50 1,50. 2,00	0 20 2 20 2 00 4 D
	67.97	149.25 213.23	გეეეწივ		27.00 63.00 90.00 4500 Aas	0 10 10 10 10	30 Acs	91.80 214.17 305.97 135 <b>30</b> 3	6.50 6.50 13.00	7.00 7.00 11.00	13.55 7.55 2.55 2.55 2.55	- 11 20 20 20 20 20 20 20 20 20 20 20 20 20	200 200 200 200 200	3.50 2.50 2.00	0 - 8 00 00 10 10
ί π • 11 □	i co	Her.	Ę		NE SE	្ត សម្ត	Ē	លដូន្តដ	ឧដ្ឋ	ମ ମ ମ ଧ ନୁ ୦ ମ	नुवस्य नुवस्य	SHOP	o act	E E E	ST THE PE
	ļ	Mango 5500/ citrus7700/	4500/-	-/0055		Rrse. 18900 IF	Crysenthem 10,000/-PR	9 9 •	Rs.1.30 1akhs	Rs.1.40 lekha	4	Lorry 3.00 Iolibe Auto 0.30 Iokha.	٦/٥٠٥٦-١	หร.20,0^0/	S IP Ro.20,000/-NO
ig i	R3	GT CT CT CT CT CT CT CT CT CT CT CT CT CT	Guva Ber Cuetard	apple	2000/- per Acr	Rr Se	ក្នុង ពីនៃសារ	,·		<b>K</b> F	•		α.	SN.	. e
 		2	Ċ	ક લ	±				Mos.	#			4	£	Ŧ
	1    							•.					*		•
11	11 11 11 ←				g <sub>o</sub>			•		•		,	;	3	٠.
10	# 		%		Oultevetton			1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	वत म्प्रे						
建筑的最级的现在分词 医阿里斯氏征 化二甲基丙基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲	7 11 11 11		)	1.2	e Cult	1176	,	tal:	Animal Husbandrý Coats		iotal .	Sector	u ta ta ta	Outlets	• •
2		Mark ford three	1 3		ecetable *	Norical ture	,	Sub Total:	mal I	roultry	3սև 3၁	I.s.B. Se Transport			3
4	1		3	:	۲. عن⇔۲	Nori	Ú	Su			К.,	H (Sp	जिल्ला इ.स. १८ अ <b>अ</b>	Retail	ZZ. Klosk
(A)		`^_	•	•	י. י	ن			(g) 7.	တ်	<b>5</b> ″.	S	<u>.</u>	***	2

Ħ

			11 13 14 11			11 13 11 18 18 18	ii -	jt () 10 g 11 g 10 d 11 i	11	11	11 11 11 11 11 11 11 11 11 11 11 11 11	14 6 15 7 11 8 10 4 10 10	11	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 T
			1					10		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	il L	14-11-11	17		i 영
enising & Cycl: shops	Now. Rs. 5 0.30 0.30 0.30 1.20 1.20 1.20 1.20	21 - 51 - 52 - 52 - 52 - 52 - 52 - 52 -	10,000	0.30 0.90 1.20	0.00 0.00 10 10	5.00 10 10 10	9.30 1.20 1.00 1.00	4.50 6.00 5.00 5.00	0.30 0.30 1.20 1.0	0,36 0,96 1,20 1,20 1,20	0	0.30 1.20 10	a <u>a</u> a <u>a</u>	366	60° 60° 60° 60° 60° 60° 60° 60° 60° 60°
Sub-Totia		255 110 110 110 110 110 110 110 110 110 1	4.80 25.40 30.20 255	4.80 25.40 30.20 255	4.80 25.40 30.20 255	4.80 25.40 30.20 255	4.80 25.40 30.20	21.00 127.00 151.00	6.30 38.90 45.20 260	6.30 6 30.90 38 45.20 45	50000	6.50 38.90 45.20 260	6.30 31 38.90 194 45.40 226	2 <b>6</b> 222	321.50 377.00 2575
III. Infrastructure 1. Approach Rusds & Link Rogds	Rs. 0.50 lekhs per KK.	S TEEP FORE			35.00	25,00 50	25.00 50	110,00 220	25.00 50	25 00 51	 	- - - - - - - - - - - - - - - - - - -	40,00 11	7 0.05 0.80	750° C
2. Fair Frice shops	Rs. 0.10 lokks	1111 2121		5*00.	1 100 y	1 1 1 1		10.00	i i i .		1 1 1 ·	1 1 1	1 1 1	1 1 <b>1</b>	1,50
3. Jehnol	88. 0.30 1ekhs	LII SASEA		 15.00 53	15.00 Cr.	15,00	15.00 50	60.00	1 1 1 1	1111	1111	1111	i i l i	1311	1 460 0.69 0.69
4. Sleetricity	Detain not w	Details on not wor-IF		, ,			•						day.		
Sab-RoteR		WHOH HAH	<b>.</b>	15.00	55.00	40.00	10.00	180,00	125,00.	7 00 SS	5,00 3	5,00	50.00 1	1,0,4 115	1 1 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The Project Superwiston & Monitoring		លដូនី <u>គ</u> ភ	10,00	4.00	4.00	00 <b>"</b> \$	4.00	26,00	4.10	61.	4.10	4.10	4.10	03 <b>°</b> e2	46.53
FINCE COMP		S 131.27 IF 255.07 TO *04.34		86.69 146.95 232.64	70.92 151.79 289.71	54.51 145.39 243.90	107.13 241.09 392.22	458.52 938.29 1602.81	986.58	830,74 238 485,10 449 665,24 710	6 8 8 8 8 8	172,66 326,20 534,04	210, WB 110, W	00 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.
		) 		#1 #1 #1 #1 #1	11 11 11 15 18	); ); ); );	1) 1) 15 15 19	1  1  1  1  1  1	-   -   -   -   -   -		)) 11 16 16	11 11 11 11		-   -   -   -   -	li li

Table 30

STATEMENT SHOWING SECTOR-WISE SUBSIDY AND INSTITUTIONAL FINANCE COMPONENTS

	.,		Uni			Phas	se - I					Phase II				
S1.	Name of the Scheme	Unit	U05	lst	2nd	3rd	4th	5th	iotal	ıst	2nd	3rd	4th	5th	Total	Grand Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Training			20.70	21.30	11.60	12.01	12,90	78.41			25.50	25.50	25.50	139.95	218.36
				20.70	21.30	11.60		12.60	78.41	31.60	31.80	25.50	25.50	25.50	139.95	218.36
2.	SSI Units		_	0.47	0.79	0.63			50.40 188.00			77.22 157.40		86.22	397.89	•
	* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			0.47	<b>0.79</b>							234.62				
3.	Agrıcultur	ŧ	IF	214,17	108.05	48.39 112.89 161.26	44,49	76.19	555,79	428,34	216.10	96.78 225.78 322.56	B8.99	152.38	1111.58	1667.37
	.*		PT	•									٠			
4.	Animal Husb	andry	IF	13.50 27.00	13.50	13.50 13.50 27.00	13.50	13.50	67.50 67.50 135.00	27,00	27.00	27.00 27.00 54.00	27.00 27.00 54.00	27.00	135.00 135.00 270.00	202.50
5.	I.S.B. Sect		]F	25.40 30.20	25.40	4.80 25.40 30.20		25,40	24.00 127.00 151.00	38.90 45.20	38.90	6.30 38.90 45.20	38.90	6.30 38.90 45.20	194.50 226.00	55.50 321.50 377.00
6.	Infrastruct	ure	τ		45.00	55.00	40.00	40.00	180,00	25.00	<b>25.</b> 00	25.00	25.00	40.00	140.00	320.00
7.	Project Administrat	100	I			4.00	4 00	4.00	. 24.0		6 A :	10 <b>4</b> 10	Λ <b>4</b>	10 4 1	·. ) 2-1 %	
	GRAND TOTAL		s	131.27	86.49	78.92	54.51	107.13	458,5	2 328.2	4 230.1	74 232.8	0 178.	s6 210.32	2 1180.76	1639.2
				394.34		151.79 289.71										

TABLE NO.31

ABSTRACT
STATEMENT SHOWING SCHEME WISE SUBSIDY COMPONENT AND NUMBER OF BENIFICIARIES

		Phase - i		Phase - II		Phase -	I + II	
ši. Name ar the Sa No.	Ŧ	₹s.in	Benefi-	Subsidy (Rs. in Lakhs)	penell-	/85, 10	Benefi-	Kemarks
1 2		3	4	5	6	7	8	9
1. DIRECT EMPLOYMI	ENT:		6,166		6,315		15 a81	This figure
A. Recruitments. Training	nt	76.41	5,265	139.95		216.36	10,415	is reflected in the recru-
		78.41	6,166	139.95	6,620	218.36	12.786	itment Column
	VMENT.			•	1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
at SSI Secto	r	50.40	785	397.89	1,930	448.29	2,715	
hi Karicultu	rc	238, 21	9,110	476.42	18,220	714.63	27,330	(Mailie in 152)
c) Animal Hu	sbandry	67.50	200	135.00	400	202.50	60ú	Comment of 12 pla
d) 1.S.B.		24.00	1,275	31.50	1,300	55.50	2,575	
4		380.11	11,370	1040.81	21,850	1420.92	33,220	THE RESERVE
111.INFRASTRUCTUR	<u></u> <u>E</u> :		•	-			,	
a) Roads		110.0	0 • 220	Kms. 140.0		250.00		
b) Fair-Fric	e Shops	10.0	Ú 100	Nos		10.00	1103	
c) Schools		60.0	0 200	Nos		60.0ú	200 Nos	en englyster in en
d) Electrici	ty '	beta 	is not wo	orked out				
		180.0	0	140.0	( 	320.00		
iv. <u>PROJECT ADMINI</u>	<u>STRATIÛ</u>	<u>N</u> :26.00		20.50 -	_	46.50		٠, ٠
TOTAL SUBSIDY		45 <b>6.</b> 5	2 17,5	336 1180.7	ō 28,470	1639.28	46,006	- ' i ;

Not subsidised

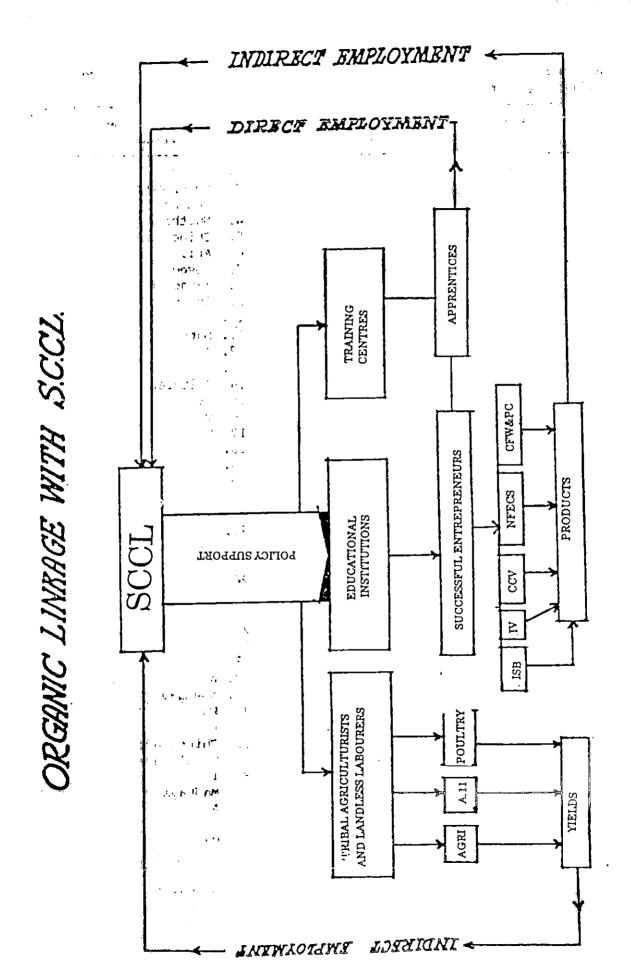
<u>:</u>

TABLE No.32

STATEMENT SHOWING NUMBER OF BENEFICIARIES ENVISAGED UNDER DIRECT AND INDIRECT

	NUMBER OF BENEFICIARIES	) !
S.No. Name of the Scheme	Phase - 1 Phase-11	TOTAL
1. Direct Employment	6,166 - 6,620	12,786
2. Indirect Employment	11,370 21,850	33,220
Total	**************************************	46,006

r.



### ANNEXURE-I

Statement showing the details of District-wise, Mandal-wise; Villages in Proximal hinterland:

Sl.No.	Name of the District.	Name of the Revenue Mandal	Name of the Village
1.	Adilabad	1. Wankidi	1. Navegav 2. Chowpangunda 3. Dhabha 4. Swathi 5. Chinchpalli 6. Arli 7. Govegav 8. Mahagave 9. Sonapur 10. Devadapalli 11. Sarkepalli 12. Kannerugave 13. Bhuradha 14. Jaithrapur 15. Bahedra 16. Tejapura 17. Kheerdhi 18. Ghatjangav 19. Chincholi 20. Indhani 21. Akni 22. Gunjanda 23. Bambara 24. Lanjanveera 25. Jamuldhan 26. Velgi 27. Kadhegav 28. Komatiguda 29. Samela 30. Sarandi 31. Narapur 32. Wankidi-kalan 33. Neemgav 34. Wankidi (Kurtha
		2. Kagajnagar	35. Kamana 1. Chintaguda 2. Ragulaguda
			<ol> <li>Isgav</li> <li>Madhaya</li> <li>Ankodha</li> <li>Kabandha (D)</li> <li>Malini</li> <li>Motindhani</li> <li>Gondi</li> </ol>
			10. Mentpalli 11. Narasapuru 12. Marepalli

Sl.No.	Name of the District.	Name of the Revenue Mandal	Name of the Village
	1	3. Sirpur (Town)	1. Achali 2. Rudraram 3. Hirapuru 4. Chintakunta 5. Chinchupalli 6. Dhorpalli 7. Bhupalapatnam 8. Loanvelli 9. Adepalli 10. Chillapalli 11. Garlapeta 12. Madipalli
		4. Sirpur (U)	1. Devudapalli 2. Polasa 3. Babjipet 4. Pangidi 5. Seethagondi 6. Raghapuru 7. Burnuru 8. Sirpur 9. Kohinur (K) 10. Kohinur (B) 11. Settahadapnur 12. Chapri 13. Pamulavada 14. Nethnur 15. Mahagavu 16. Dhanora 17. Kanchanapalli 18. Gummur (K) 20. Kothapalli 21. Mamidipalli 22. Lingapur 23. Yellapataru 24. Jamuldhani 25. Venkamaddi 26. Chorpalli
		5. Bijjur	1. Buruguda 2. Koyapalli 3. Sivapalli 4. Phimada 5. Kethni 6. Chittam 7. Marthadi 8. Katepalli 9. Kukada 10. Ambaghat 11. Somani 12. Nagepalli

Sl.No.	Name of the District.	Name of the Revenue Mandal	Name of the Village
			13. Mogavelli
			14. Thalaji
			15. Sobbayi
			16. Susmeeru
	•		17. Kammarugam
		•	18. Gondepalli
	•		19. Muraliguda
	SE4		20. Silleda
			<ul><li>21. Nandhigam</li><li>22. Koyachinchel</li></ul>
	•		23. Cutsarangapalle
	•		24. Potapalli
			25. Ribpina
	. 1	in the second second	26. Kondapalli
	24.0		27. Munjampalli
	; · · · ·		3 (
	1 ,	6. Dehagam	1. Brahmanchinchalu
	•		<ol><li>Chandrapalli</li></ol>
			<ol><li>Kunchevelli</li></ol>
	•		4. Kaluvada
		,	5. Pambapur
	•		6. Madavalli
		•	7. Polampalli 8. Loha
	• .		9. Didqi
			10. Rampur
	<i>€</i> ,		ll. Ravalupalli
		7. Manchiryal	l. Ryali
		_	<ol><li>Nagapram</li></ol>
			3. Ghadpuru
		8. Bellampalli	1. Ankusam
	· • • • • • • • • • • • • • • • • • • •	. ,	2. Budakalaki
			3. Bellampally (U) 4. Budakhurdu
			4. Budakhurdu 5. Kannal
			6. Dugnepalli 7. Rangapeta
			8. Chakepalli
		,	9. Aknepalli
			10. Gurjala
			ll. Perkapalli
			12. Bhatyakpalli
			13. Chandrapalli
	•	9. Thandur	
		9. Thandur	l. Venkayyapalli 2. Kistampet
			<ul><li>3. Chowtopalli</li><li>4. Myadaram</li></ul>
	•		5. Abbapur
			6. Narsapur
	, -		7. Pedgapalli
			- radahatti

Sl.No.	Name of the District.	Name of the Revenue Mandal	Name of the Village
		).Kasipet	1. Gatrapalle 2. Sanapur 3. Thiramalapur 4. Dharmaraopet 5. Konur 6. Pallamguda 7. Kanikalapur 8. Peddanpalle 9. Chintaguda 10. Devapur 11. Peddapur 12. Venkatapur 13. Rattepalle 14. Malkaypalle 15. Komatichaira
			16. Muthyampalle 17. Kondapur
		. Thiryani	1. loddiguda 2. Goyena 3. Zedni 4. Rudrapuru 5. Mandrumeda 6. Lingiguda 7. Areguda 8. Chowpidi 9. Goyegav 10. Sonapur 11. Kannepalli 12. Durgapuru 13. Thiryani 14. Gangapuru 15. Rampalli 16. Mangi 17. Ullipittadori 18. Devayiguda 19. Pednakunta 20. Rallakanepali 21. Talandi 22. Chintapalli 23. Irkapalli 24. Moyindaguda 25. Pangidi Madra 26. Dantanpalli 27. Koyathalandi 28. Bordham 29. Kongregove 30. Gadalpalli 31. Ginnedhari 32. Sungapuru 33. Gundala 34. Bheemvooru

sl.No.	Name of the District.	Name of the Revenue Mandal	Name of the Village
		12. Laxettipet	36. Manikyapuru 37. Kondla 38. Ghambhirraopeta 39. Edulapahad 1. Challampet 2. Thalmalli
		13. Dandepalli	<ol> <li>Mukulpet</li> <li>Thalpet</li> <li>Thanimadugu</li> <li>Kundhalpahad</li> <li>Ribbanpalli</li> <li>Zedapet</li> <li>Dandepalli</li> <li>Nilkivechakatapur</li> <li>Gudem</li> <li>Mutyampet</li> <li>Koruvichilma</li> <li>Lingapur</li> </ol>
		14. Mandhamarri	<ol> <li>Mandamarri</li> <li>Amarwadi</li> <li>Jhimmapur</li> <li>Andugulpet</li> <li>Chirrakunta</li> <li>Sarangapalli</li> </ol>
		15. Asifabad	1. Saleguda 2. Govindapur 3. Ankusapur 4. Dandapapur 5. Thumpalli 6. Babapur 7. Belgav 8. Dugleswar 9. Itikyal 10. Kosara 11. Chirrakunta 12. Pahadibanda 13. Dhanaboyinapeta 14. Kundepalli 15. Singaraopeta 16. Chorepalli 17. Sankepalli 18. Rotasa Kepalli 19. Addaghat 20. Aada 21. Kommuguda 22. Vadiguda 23. Dapri 24. Demmiguda 25. Adgsnapur 26. Movad 27. Siriyan Movad

Sl.No.	Name of the District.	Name of the Revenue Mandal	Name of the Village
	'		28. Balanpur 29. Vavdam 30. Thimryan Movad 31. Kutuda 32. Kadian Movad 33. Sakangandi 34. Malangandi 35. Deva Durgam 36. Suddaghat 37. Wadigondi
		16. Chennur	<ol> <li>Buddaram</li> <li>Sankaran</li> <li>Kumbhojipet</li> <li>Yellakkapet</li> <li>Lingampalli</li> </ol>
		. H	<ul><li>6. Chintalapalli</li><li>7. Akkepalli</li><li>8. Bhamraopet</li></ul>
		17. Jaipur	<ol> <li>Churugupalli</li> <li>Maddikalu</li> <li>Jaipuru</li> <li>Kankuru</li> <li>Reddipalli</li> </ol>
		18. Kotapalli 1 2 3 4 5 6 7	<ul><li>Rajaram</li><li>Kavarukothapalli</li><li>Saruvaipet</li><li>Isomvai</li><li>Nakkapalli</li><li>Brahmanpalli</li></ul>
		2 3 4 5 6 7 8	<ul> <li>Jakkepalli</li> <li>Suraram</li> <li>Nagaram</li> <li>Carlapali</li> <li>Katepalli</li> <li>Gudipalli</li> <li>Rajaram</li> <li>Kothapalli</li> </ul>

μŝ

10. Pothalvai

Sl.No. No District	me of	 Name of the Revenue Mandal	Name of the Village
II. KAREEMNAGA	AR	1. Mahadevpur	1. Yenkapalli 2. Kistaraopeta 3. Peddampeta 4. Palumela 5. Dammur 6. Burgugudem 7. Neelampalli 8. Vechampalli 9. Kamanpalli 10. Moded 11. Mukkunur 12. Thimmetagudem 13. Kuntlam
			14. Beersagar 15. Nagepalli
		2. Mandhani	7-5-47
			1. Vilochavaram 2. Pandulapalli 3. Kannala 4. Mallepalli 5. Khansahebpeta 6. Bhatpalli 7. Khanapur 8. Aclasspur 9. Bitpalli
			10. Mandhani/Kucharajp 11. Anguluru 12. Puttapaka 13. Gumnur 14. Medipalli 15. Lakkepur 16. Gaddalapalli 17. Akkepalli 18. Rachapalli 19. Adriyal 20. Pedda Odela 21. Gopalpur
		3. Kataram	l. Aadiyama
			1. Aadivarampet 2. Gummallapalli 3. Badepelavancha 4. Dharmanagar 5. Vilasagar 6. Devarampalli 7. Regulagudem 8. Dhanvada 9. Chintakani 10. Pothalvai

Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
	•	11. Chidnepalli 12. Pratapgiri 13. Bopparam 14. Garepalli 15. Nasthuripalli 16. Kataram 17. Kantalapahad 18. Kothapalli 19. Medipalli
	4. Mutharam	•
		1. Ethunaram 2. Nimmagudem 3. Yamanpalli 4. Zeelapalli 5. Madharam 6. Korlakunta 7. Mulugupalli 8. Sthambhampalli (P.O) 9. Polaramu 10. Mutharmu 11. Vaznepalli 12. Pegdapalli 13. Borlagudem 14. Nallagunta Meenajipeta 15. Regulagudem
	5. Kamanpur	•
		1. Kamanpur 2. Kannala 3. Ranapur 4. Rompikunta 5. Nagaram 6. Lingala 7. Perapalli 8. Penchikalapeta 9. Gundaram 10. Rajapur 12. Medipalli 13. Kalvacherla 14. Mulkalapelli 15. Julapelli 16. Nagepalli 17. Upparlakesaram 18. Ratnapur 19. Jallipelli

The little
THE CHICLE
The state of the s
1/18/1 SAN
// s :
* 1.96% bA
SEE.
* 1.9ps.
1 2
and the second s
The same of the sa

Sl.No. Name of the

nistrict

Name of the Revenue Mandal Name of the Village

#### 6. Ramagundam



1. Ramagundam

2. Janagama

3. Medipalli

4. Malkapur

5. Alluru

6. Maredupaka

7. Yelkalapalli

8. Malyalpalli

9. Poratpalli

10. Kundhanpalli

11. Rayadandi

12. Lingapur

13. Anthargav

14. Goelwada

15. Brahmanapalli

16. Esalathakkallapalli

17. Palakurthy

18. Moghalpahad

III. WARANGAL

#### 1. Kothagudem

. .

- 1. Kompur
- 2. Ponugonda
- 3. Ramavaram
- 4. Dubbagudem
- 5. Kamaram
- 6. Jangamvarigudem
- 7. Kundanpalli
- 8. Vutai
- 9. Sadireddipalli
- 10. Timmapur
- 11. Enchagudem
- 12. Neelampalli
- 13. Adulapalli
- 14. Erravaram
- 15. Rangappagudem
- 16. Karnegandi
- 17. Marrigudem
- 18. Mahadevunigudem
- 19. Jangalapalli
- 20. Doravari Vempalli
- 21. Bathavarigudem
- 22. Musimi
- 23. Durgaram
- 24. Gundrepalli
- 25. Govindapur
- 26. Pegadapalli
- 27. Pogulapalli
- 23. Mokalapalli
- 29. Mylaram
- 30. Kothagudem
- 31. Kothapalli

Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
• ,		32. Routhgudem
6.		33. Velpalli
		34. Puttabhupati
		35. Katrinam
	÷	36. Chintagudem
		37. Narsingudem
		38. Bavurukonda
		39. Gangaram
		40. Madagudem
		41. Tirmapudi
		42. Battulagandi
		43. Eswaragudem
		44. Polaram
		45. Ikya Chintalapad
		46. Krishnapur
	e de la companya de	47. Ganjedu
		48. Karlai
		49. Kodisalamitta
		50. Pondem
		51. Tativari Vempalli
		52. Gopalpur
	2. Thadwai	-
		l. Kalvapalli
		<ol><li>Vuratam</li></ol>
		3. Kannaboyanapalli
		<ol> <li>Medaramjathara</li> </ol>
		5. Vadigapur
		6. Vengalapur
		7. Gonepalli
	r	8. Kamaram
		9. Rangapur
		10. Veerapur
		11. kesannagudem Yella
		12. Ankampalli
		l3. Kasettivai
		14. Narsapur
		15. Pambapur
		16. Singaram
		17. Bhoopathipuram
		18. Emmadigudem
		19. Thadwai
		20. Chowlede
		21. Pokapuram
		22. Bollapalli
		23. Alligudem
		24. Narsapur
		25. Lavvala

26. Battupalli

Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
	3. Ganapuram (Mulug)	<ol> <li>Chelpur</li> <li>Dharmaraopet</li> <li>Kondapur</li> <li>Mylaram</li> </ol>
	4. Mangapet	<ol> <li>Thondyal Lakshmipur</li> <li>Komatipalli</li> <li>Cherupalli</li> <li>Chumchupalli</li> <li>Puredupalli</li> <li>Ramchendrunipet</li> <li>Brahmanpalli</li> <li>Bandarugudem</li> <li>Dhomeda</li> </ol>
	5.Venkatapur	
		<ol> <li>Adavi Rangapur</li> <li>Thimmapur</li> <li>Lakshmidevpet</li> <li>Ramnathpalli</li> <li>Nallagunta</li> <li>Peddapur</li> </ol>
	6. Chityal	
		<ol> <li>Kalvapalli</li> <li>Vencharami</li> <li>Oduthala</li> <li>Chainpaka</li> </ol>
	7. Bhupalpalli	
		<ol> <li>Kamalapur</li> <li>Rampur</li> <li>Gollabuddaram</li> <li>Nagaram</li> <li>Nandigama</li> <li>Dudekulapalli</li> </ol>
	8. Etur Nagaram	
		1. Marepalli 2. Bhupathipur 3. Gangaram (AG) 4. Tupakulagudem 5. Devadumla 6. Laxmipur 7. Rajannepet 8. Gangagudem 9. Karmaigudem 10. Gurrevula 11. Muppanapalli 12. Buttaigudem

Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
		13. Chityal 14. Sarvai 15. Singaram 16. Etoor 17. Kartanapalli 18. Raypur 19. Mullakatta 20. Sankarajupalli 21. Chelpaka 22. Bonajibondam 23. Elisettippalli 24. Alamvari Ganapur 25. Rohir 26. Butaram 27. Marasapalli 28. Eturnagaram 29. Akulavari Ganapur 30. Ekkela 31. Dodla 32. Malyala 33. Kondai 34. Aailapur 35. Sapalli 36. Chinnaboinapalli 37. Ramannagudem 38. Koyagudem 39. Gogupalli 40. Sivapur 41. Peddavenkatapur
•		42. Papallapur
IV. Khammam	l. Pinapaka	
		1. Bayyaram 2. Pinapaka(PO) 3. Duginepalli 4. Sarjatpalli 5. Bhimavaram 6. Cheginsal 7. Singareddipalli 8. Janampeta 9. Elcireddipalli 10. Seetarampuram 11. Bommarajapalli 12. Uppaka 13. Gaddampalli 14. Venkataraopet 15. Potlapalli 16. Samatbhatpalli 17. Chirramalla 18. Karakagudem 19. Mothepattimallure 20. Antaram (PU) 21. Bhatpalli

Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
		22. Kalvalanagaram 23. Regalle 24. Samathmothe
	2. Manuguru	<ol> <li>Manuguru</li> <li>Gundalasingaram</li> <li>Annaram</li> <li>Anantharam</li> <li>Chinaravigudem</li> <li>Samathsingaram</li> <li>Mallaram</li> <li>Ramanujavaram</li> </ol>
	3. Aswapuram	1. Aswapuram 2. Kummarigudem 3. Ammagaripal 4. Pamulapalli 5. Amerdha 6. Gondigudem 7. Chintiryala 8. Nellipaka 9. Mamillavai 10. Thummala cheruvu
	4. Palvancha	1. Palvancha 2. Bhagaram 3. Namulagudem 4. Laxmidevipalli 5. Rangapuram 6. Nagaram 7. Pandurangapuram 8. P.Yanambile 9. Karegattu 10. Sarakal 11. Yanambile 12. Ulvanuru 13. Repallivada 14. Narayanaraopet 15. Sangam 16. Toggudem 17. Chandragudem 18. Dantalaboru 19. Gangadeviguppa
	5. Garla	1. Pulluru 2. Mulkanuru 3. Maddivancha 4. Chandragiri

-411. II	•	
Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
		5. Rampuram 6. Buddram 7. Garla 8. Gopalapuram 9. Pocharam 10. Seripuram
	6. Bayyaram	Will small !
		1. Venkatapuram 2. Kommavaram 3. Kambalapalli 4. Jagathraopeta 5. Ramachandrapuram 6. Motlathimmapuram 7. Garmella 8. Gownara 9. Buylampadu 10. Bayyaram 11. Singaram 12. Kothapeta 13. Gandhampalli 14. Ersalapuram 15. Lingagiri 16. Kachanapalli 17. Dharmapuram
	7. Kamepalli	
		1. Kamepalli 2. Utukuru 3. Muchherla 4. Jasthipalli 5. Maddulapalli 6. Komminepalli 7. Kondayagudem 8. Lingala 9. Govindarala 10. Nemalipuri 11. Pennekal 12. Garidepalli 13. Pinjaramadugu
	8. Yellandu	1. Yellandu 2. Rompaid 3. Mamidigundala 4. Sudimalla

5. Komararam

Ragabovinagudem
 Challasamudram

Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
	13. Enkuru	
		l. Enkuru
		2. Nacharam
		3. Medipalli
Cabo Co		4. Jannaram
100		5. Arekayalapadu
		6. T.L. Pet
, and the second se		7. Kesupalli
LIERARY SE		8. B.R. Puram
· ·		9. Nukalampadu 10. Thimmaraopeta
		10. Infilimaraopeta 11. Rayamadharam
		•
100 :: 23	14. Chandragonda	
	14. Chanoragonaa	1.Chandragonda
		2. Thippanapalli
		<ol><li>Gurramgudem</li></ol>
		4. Seethaigudem
•		5. Dameracherla
		6. Maddukuru
•		7. Gumpena
•		8. Utupalli 9. Peddireddigude
		10. Abbugudem
		11. Narsapuram
		12. Pokalagudem
		13. Ravikampadu
		14. Ganugapadu
		15. Thungaram
		16. Annapureddip
		17. Annadevam
		18. Telijerla
		19. Namavaram
		20. Pentlam
	15. Penuballi	:
	734 f 6.44-44E	1. Chowdaram (K
		2. Eeruqatla
		3. Ramachandrap
		4. Penuballi
		5. Gowraram
,		6. Bhavvannapal
		/. Lingagudem
		8. Tnallapenta
		9. Tekulapalli
		10. Kondampadu
	16. Sathupalli	**
	200	l. Rudrakshapal
		2. Jagannadhapu
		3. Cnerukupalli
		4. Yatalakunta

Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
-	9. Singareni	_
	y. Gringuteiiz	1. Singareni
		2. perupalli 🐡 🦠
· -	•	3. Madharam
		4. Viswanadhapalli
		5. Komatlagudem
		6. Manikyaram 7. Gatekarepalli
		8. Usirikayalapall
		9. Kamalapuram
		10. Relakayalapall
		ll. Baju Mallayyaq
		••
	10. Tekulapalli	1. Bođu
	٠,	2. Koppurai
	•	3. Gangaram
		4. Bethampudi
		5. Gollapalli
	1 I I I T	6. Pegallapadu
	33 Vakba 3	•
	11. Kothagudem	1. Kothagudem
	,	2. Penugadapa
		3. Chatakonda
		4. Laxmidevipalli
		5. Korukonda
		6. Chunchupalli
		<ol> <li>7. Sarvaram</li> <li>8. Sujathanagar</li> </ol>
		9. Singabhupalem
		10. Regalla
		ll. Gattumalla
		12. Kurnaram
		13. Punkuduchelaka
		14. Bangaruchelaka 15. Sitampet
	•	16. Raghavapuram
•		17. Pallagudem
	12. Julurpadu	a most of the
		1. Karivarigudem
·		<ol> <li>Machinemipeta</li> <li>P. Narasapura</li> </ol>
		4. Kakarla
		5. Julurpadu
		6. Papakolu
		7. Gundepudi

	of the ue Mandal	Name of the Village
17. K	onijerla	, m
		1. Thummalapalli 2. Mallupalli
		3. Thanikella
		4. Konijerla
		5. Sivaru Venkatapur
		6. Gubbagurthi
		7. Singarayapalem
		8. Gundrathimadugu 9. Ammapalem
		10. Kacharam (H)
		11. Kondavanamala
		12. Gopathi
		13. Yathamkuntla
		14. Lingagudem
		15. Munagala 16. Goparam
		17. Pallipadu
		18. Deddepudi
19 5	Vazeedu	
10.	122000	<ol> <li>Krishnapuram (G)</li> </ol>
		<ol><li>Pedagangaram (Z)</li></ol>
		3. Kakekhal (G)
		4. Kadekhal (Z)
		5. Tekulagudem (Z) 6. Tekulagudem Chale
		7. Peruru (G)
		8. Peruru (Z)
		9. Chandrupatla (Z)
		10. Dharmavaram (Z)
		11. Ayyavaripeta (G)
		<pre>12. Ayyavaripeta (Z) 13. Korakal (X)</pre>
		14. Chintur (G)
		15. Arlagudem (Z)
		16. Lingapeta (Z)
		17. Laxmipuram (G)
		18. Bhumanapalli (G)
		19. Cherukuru (G) 20. Cherukuru (Z)
		21. Koyaveerapuram (
		22. Cheekupalli (Z)
		23. Pedagollagudəm (
		24. Gummadidoddi (z)
		25. Ipagudem (G)
		26. Kongala
		27. Ponugodu
		<b>28.</b> Nagavaram (G) 29. Dulapuram (G)
		30. Jangalpuram (G)
		31. Kacharam

3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
34. Morumuru (Z) 35. Arunachalapuram 36. Kappusuru (G) 37. Pregallapalli (Z) 38. Gannaram (Z) 39. Pusur (Z) 40. Bannnanapalli (G) 41. Adcherlapalli (Z) 42. Adcherlapalli (G) 43. Muttaramchelaka  19. Venkatapuram  1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
35. Arunachalapuram 36. Kappusuru (G) 37. Pregallapalli (Z) 38. Gannaram (Z) 39. Pusur (Z) 40. Bannnanapalli (G) 41. Adcherlapalli (Z) 42. Adcherlapalli (G) 43. Muttaramchelaka  19. Venkatapuram  1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli (G) Nuguru 7. Mallapuram 8. Rachapalli (G) 10. Uppeduverapuram (D) 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
36. Kappusuru (G) 37. Pregallapalli (Z) 38. Gannaram (Z) 39. Pusur (Z) 40. Bannanapalli (G) 41. Adcherlapalli (Z) 42. Adcherlapalli (G) 43. Muttaramchelaka  1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
37. Pregallapalli (Z) 38. Gannaram (Z) 39. Pusur (Z) 40. Bannanapalli (G) 41. Adcherlapalli (Z) 42. Adcherlapalli (G) 43. Muttaramchelaka  10. Venkatapuram 11. Venkatapuram 12. Venkatapuram 13. Vadagudem 14. Marikala 15. Uppedu 16. Nuguru 17. Mallapuram 18. Rachapalli 19. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
38. Gannaram (Z) 39. Pusur (Z) 40. Bannnanapalli (G) 41. Adcherlapalli (Z) 42. Adcherlapalli (G) 43. Muttaramchelaka  1. Venkatapuram  1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
39. Pusur (Z) 40. Bannnanapalli (G) 41. Adcherlapalli (Z) 42. Adcherlapalli (G) 43. Muttaramchelaka  1. Venkatapuram 1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
40. Bannnanapalli (G) 41. Adcherlapalli (Z) 42. Adcherlapalli (G) 43. Muttaramchelaka  19. Venkatapuram  1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
41. Adcherlapalli (Z) 42. Adcherlapalli (G) 43. Muttaramchelaka  19. Venkatapuram  1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
42. Adcherlapalli (G) 43. Muttaramchelaka  10. Venkatapuram 11. Venkatapuram 12. Venkatapuram 13. Vadagudem 14. Marikala 15. Uppedu 16. Nuguru 17. Mallapuram 18. Rachapalli 19. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
19. Venkatapuram  1. Venkatapuram  2. Venkatapuram  3. Vadagudem  4. Marikala  5. Uppedu  6. Nuguru  7. Mallapuram  8. Rachapalli  9. Koyabestagudem  10. Uppeduverapuram  11. Palem  12. Vadegudem  13. Manuru  14. Veerabadrapuram  15. Ankannagudem	5 Z Z
19. Venkatapuram  1. Venkatapuram  2. Venkatapuram  3. Vadagudem  4. Marikala  5. Uppedu  6. Nuguru  7. Mallapuram  8. Rachapalli  9. Koyabestagudem  10. Uppeduverapuram  11. Palem  12. Vadegudem  13. Manuru  14. Veerabadrapuram  15. Ankannagudem	Z Z Z Z
19. Venkatapuram  1. Venkatapuram  2. Venkatapuram  3. Vadagudem  4. Marikala  5. Uppedu  6. Nuguru  7. Mallapuram  8. Rachapalli  9. Koyabestagudem  10. Uppeduverapuram  11. Palem  12. Vadegudem  13. Manuru  14. Veerabadrapuram  15. Ankannagudem	Z Z Z Z
1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	Z Z Z Z
1. Venkatapuram 2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	Z Z Z Z
2. Venkatapuram 3. Vadagudem 4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	Z Z Z Z
4. Marikala 5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	Z Z Z
5. Uppedu 6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	Z Z
6. Nuguru 7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	Z
7. Mallapuram 8. Rachapalli 9. Koyabestagudem 10. Uppeduverapuram 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
8. Rachapalli (9. Koyabestagudem (10. Uppeduverapuram (11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram (15. Ankannagudem	7
9. Koyabestagudem (10. Uppeduverapuram (11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
10. Uppeduverapuram ( 11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram ( 15. Ankannagudem	3
11. Palem 12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	3
12. Vadegudem 13. Manuru 14. Veerabadrapuram 15. Ankannagudem	
13. Manuru 14. Veerabadrapuram : 15. Ankannagudem	Z
14. Veerabadrapuram : 15. Ankannagudem	G
15. Ankannagudem	G 7
	L
10. Chefanata	G
17. Tadapala	G
***	G
	G
20. Punoorivarigudem	
21. Alubaka	Z
22. Alubaka	G
23. Thippapuram	G
24. Thaniparthi	Z
25. Bodapuram	G
26. Ramannagudem	Z
27. Kalipaka	C
28. Suraveedu	C
29. Suraveedu	Z
30. Kothakondapuram	C
31. Kothakondapuram	2
32. Eidera	
33. Ontichinthagudem	
34. Sudhibaka	2
35. Marikala	(
36. Barlagudem	2
37. Pamunuru	
38. Zella	(

Sl.No. Name of the	Name of the Revenue Mandal	Name of the Village
		39. Chiruthapalli G
		40. Chiruthapalli Z
		41. Chinnagangaram G
		42. Ramavaram Z
		43. Ramavaram G
		44. Mahitapuram G
		45. Doli
e e <sub>i</sub> e	20. Cherla	ı Subbampeta G
		1. 5005
	· . · . · · ·	2. 1011
		J. Bassant
		4. Ramanujapuram G 5. Cheemalapadu G
		6. Gannavaram Z
		7. Singasamudram G
		8. Regunta Z
		9. Upparigudem G
		10. Kothuru G
		11. C.Kathigudem G
		12. Gommupuliboyinapalli G
		13. Chintagunta Z
		14. M.Puliboyinapalli Z
		15. Mogullapalli Z
		16. Lingapuram Z
		17. Gompalli Z
		18. Kothapalli Z
		19. Risupet G
		20. Kesavapuram
		21. Dandupet Z
		22. Charla G
		23. Dosillapalli G
		24. Bhumanalanka G
		25. Pusaguppa Pyach 1
		<b>26.</b> Pusaguppa Pyach 3
		27. Vaddiveta z
		23. Unzupalli 🐧
		29. Charla Z
		30. Vuyyalamagudu Z
		31. Thippapuram Z
		32. Chalamala $G$
		33. Peddamidisileru Z
		34. Peddamidisileru chala
		35. Peddamidisileru chala
		36. Bathinapalli G
		37. Kurnapalli G
		38. Bodhanapalli <sub>G</sub>
		39. Bodhanapalli Z
		40. Chinnamidisileru G
		41. Chinnamidisileru Z
		42. Thegada G
		<b>43.</b> Jangalapalli Z
		44. Thegada G
		45. Gummuqudem 7

45. Gummugudem

Z

Sl.No. Name of the Name of the District Revenue Mandal	Name of the Village
	46. Lingala
	47. Kaliveru
	48. Peddipalli (
	49. Jattigudem 50. Mummadivaram
	51. R.Kothagudem
	52. Chinthaguppa
	53. Kudunuru
	54. Kudunuru
	55. Devarapalli
	56. Mamidigudem
	57. Mamidigudem
	58. Puligundala
	59. Goqubaka
	60. Rallagudem
. •	
21 - Dummungalan	A#1
21. Dummugudem	l. Parnasala
	2. Laxminarasimharao
·	3. Sitanagaram
	4. Govindapuram
	5. Pedabandirevu
·	6. Mulakalapalli
	7. Pydakulamadugu
	8. Gowraramu
	9. Lingapuram
	10. Pydigudem
	11. Sugayanapuram
	12. K. Jinnelagudem
	13. Jinnelagudem
	14. Chintakuppa
	15. China Nalla Balli
	16. Kesavapatnam
	17. Ramachandrapuram
	18. K. Veerabhadrapur
	19. Z. Veerabhadrapur
	20. Manguvai
	21. Kasinagaram
	22. Kothagudem
	23. Suravaram
	24. Chinabandirevu 25. Pedanallaballi
	26. Tailorpet
	27. Lakshimipuram
	28. Sangam
	29. Dummagudem
	30. Burraqvemula
	31. Kannapuram
	32. Lakshminagaram
	33. K. Dummuqudem
	34. Pragallapalli
	35. Byragulagudem

. 1

sl.No. Name of the	Name of Revenue		Name of the Village
			36. Kotayagudem
			37. Anjubaka
			38. Narayanagudem
			39. A. Ramavaram
			40. Bhimavadaram
			41. Lachigudem
			42. Koyanarsapuram
			43. Jinnegattu
			44. Ramaraopet
			45. K. Reguballi
			46. Subbaraopet
			47. Sitharamkapuram
			48. Nadikudi
			49. Z. Reguballi
			50. Garigolu
			<del>-</del>
			51. Garigolu
			52. Arlagudem 53. Dabbanuthala
			54. Mahadevapuram
			55. Achutapuram
			56. Dharmapuram
			57. Kothuru
			58. Rajupet
			59. Pedakamalapura
			60. Yerrabodu
			61. Singavaram
			62. Lakshmipuram
			63. Gangavaram
			64. Powlarupeta
			65. Narayanapet
			66. Gurralabayalu
			67. Whitenagaram
			68. Narsapuram
			69. Danthenam
			70. Venkataramapu
			71. Z. Maredubaka
			72. Kothagudem
			73. Bandarugudem
			74. Thurubaka
			75. Ramachandruni
			76. Bojjiguppa
			77. Kothapalli
			78. Cherupalli
			79. Kommanapalli
	22. B	hadrachalam	
	22, 2		l. Sitamkpet
			2. Kannayagudem
			3. Gattugudem
			4. Parasanpet
			5. Pichikalapadı
			6. Patapaka
			7. Lakshmidevip

Sl.No. Name of the District	Name of the Revenue Mandal	Name of the Village
		9. Thunikicheruvu
		10. Chandrayyapalem
		ll. Chintalagudem
		12. Bhadrachalam
		13. Ramulaknapet
		14. Gundala
		15. Pinapalli
		16. Sitaramkpuram 17. Purushothapatnam
		18. Narayanapuram
		19. Penuballi
		20. Lingalapalli
		21. Lakshmipuram
		22. Pattucheera
		23. Buragavai
		24. Madhavaraopet
		25. Kannapuram
		26. Rangapuram
		27. Nellipaka
		28. Chinnanalamanta
		29. Ramagopalapuram
		30. Narsingapet
		31. Gogupaka
		32. Buttaigudem
		33. Kothagudem
		34. Gommukayagudem
		35. Boddugudem
		36. Dhammaneta
		37. Kusumanapalli
		38. Ayyavaripet 39. Gollagudem
		40. Tripuravenkata
		41. Thotapalli
		42. Kapavaram
		43. Gannavaram
		44. Kapugampalli
		45. Rachagompalli
		46. Krishnavaram
		47. Rajupet
		48. Gowridevpet
		49. MKummudivaram
		50. Nallakunta
		51. Raghavapuram
		52. Nandigama
		53. Lissapuram
		54. Murumuru
		55. Yarrabolu
		56. Atchutapuram
		57. Chalampalem
		58. Bandirevu
		59. Chinabandirevu
		60. Gollagoppa
		61. Pandurangapuram
		63. Yarraqunta

63. Yarragunta

A N N E X U R E - II Statement showing Mandal-wise details of High density and Low density of population in the Proximal Hinterland.

S. Name of no. the	Name of the Mandal	Identi- fied No. of Villages in the Mandal	villa- ges	& above	Villages with 40-50% S.T. Popu -lation & sub-plan villages
1 2	3	4	5	6	7
	Vemanapalli	14	-	6	8
1. Adilabad	Kotapalli	8		1	7
	Jaipur	5	· <del></del>	2	3
	Chennuru	8	_	5	3
	Asifabad	38	1	17	20
	Mandamarri	6	_	_	6
	Dandepalli	12	<del></del> .	5	17
	Laxettipet	2	_	2	
	Thiryani	40	1	33	6
	Kasipet	18	1	9	8
	Thandur	8	1	7	
	Bellampalli	13	-	_	13
	Manchiryala	3	-	i	2
	Dehagav	11	-	4	7
	Bijjur	28	1	15	12
	Sirpur (u)	286	_	23	3
	Sirpur (T)	13	1	3	9
•	Kagaznagar	13	-	9	4
	Wankhidi	37	2	13	22
2.Kareemnagar	Ramagundam	18	-	-	18
2000	Kamanpur	19	-	~	19
	Mutharam	20	-	10	10
	Kataram	22	3	1	18
	Mandhani	22	1	_	21
	Mahadevpur	15	-	12	3
3.Warangal	Eturunagaram	42	1	19	22
3 v u	Bhupalpalli	6	-	-	6
	Chityal	4	-	-	4
	Venkatapur	6	-	-	6
	Mangapet	9	-	4	5
	Ganapur (M)	4	-	<del>-</del>	4
	Thadavai	26	-	22	4
	Kothagudem	52	_	42	10
					10

 $\mathbb{R}^{n} = \mathbb{R}^{n}$ 

1	2	3· 	4 		5	6	. = = = = = = =	7
				هر ≱در -				
4.	Khammam	Wazeedu	61	j	18	27	-41	16
		Venkatapuram	72		27	22	* *1	23
		Cherla	73		14	34		25 25
		Dummugudem	83		4	. 58	o el	21
		Bhadrachalam	71		8	40	41.5	23
		Pinapaka	27	,	3	10		14
		Manuguru	10		2	1		7
		Asvapuram	11		• •	6		
		Palancha	20			10		4 9
		Garla	11			5 5		. <del></del> 5
		Bayyaram	17	÷.		11		.9 6
		Kamepalli	13		~	4		9
		Yellandu	7			5		2
		Singareni	11			7		4
		Tekulapalli	6			6	v	. 4
	•	Kothagudem	21		6	7		~~
		Julurpadu	8					8
		Enkur	11			3		5
			20			2		9
		Chandrugon <b>da</b>		,		4	η .:.= to : ·	16
		Penuballi Cathuralli	10		~-			10
		Sathupalli	5			4	ړ سموا پ	1
		Konijerla	18			2		16



ANNEXURE III
DISTRICT WISE MANDAL WISE NUMBER OF ASHRAM SCHOOLS

s.	No.	District			No. of Ashram Schools
1.	Adilabad	fr.	1.	Sirpur	3
		2	. 2.	Wankhidi	<b>2</b>
1.		ī	Э.	lchoda	2
. •		•	4.		<b>.</b>
ł			5.	Manchiryala	<b>1</b>
Q.		•	6.	Asifabad	3
T.			7.		3 2 3 2 7 5
		**		Kasipet	3
7		<b>-</b>	9.	Keramani	2
			10.	Tiryani	<b>7</b>
21			11.	Bejjuru	Ś
:.			12.	Bheemini	ī
2.	Karimnagar		1.	Mutharam	2
3.	Warangal	<u>:</u>			23
4.	Khammam	•	1.	Dammapeta	4
			2.	Yellandu	3
			З.	Singareni	2
	of 12 to 10	1.3410	4.	Bayyaram	1
•	1800	1.5	5.	Tekulapalli	î
	$H_{\bullet}$	/* //	6.	Gunda la	4
	AR !	1 11	7.	Kothagudem	2
	LIERAR	(Y - { ∰ }}	8.	Paloncha	2
	11 31	.′.≣.∦	9.	Burgampad	1
			10.	Kuknoor	•
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South	11.	Velairpad	*
	The state of the s		12.	Pinapaka	3
	Name of the last o	A CONTRACTOR OF THE PARTY OF TH	13.	Dummagudem	Ĝ
			14.	Dummagudem	
			15.	Bhadrachalam	1
			16.	Kunavaram	2 2
			17.	V.R. Puram	
			18.	Chintoor	6 9 6
			19.	Wazeedu	<del>ප</del> - ස
			20.	Tekulapalli	2
					116

## ANNEXURE IV

List of ST Unempoyed Engineering Graduates available as per the records of the Directoratae of Tribal Welfare.

S.No. Name of the candidate and address	Qualifications
<pre>1. Sri Jarapala Bala Naik,     c/o R.V. Naik     Dy. C.T.O. Madhurapur, H.No.8-43,     Dilsukhnagar,     Hyderabad-500660</pre>	B.E.(Electronics & Communications)
2. Sri L. Jhenen Rangaraopally Eturunagaram Warangal District	B.Tech. (Electrical)
3. Sri K. Chowdappa S/o K. Ramappa Kambalur village (P.O. & Tq.) Anantapur District PIN: 515765	B.E. (Mech.)
4. Sri K. Yakub C/o K. Pandu Kistapuram Village Moripirala Post Via Raiparthi Warangal District PIN: 506314	B.E. (Elec.)
5. Sri Y. Ravi Prasad s/o Kesavarao District Jail Quarters Nalgonda-508 001	B.E. (Civil)
6. Sri B. Ramana S/o B. Zintha Janakilnagar (V) Chilukuru Post Via Kodada Nalgonda District PIN: 508230	B.E. (Civil)
7. Sri Gopi Singh, Room No.84, E.C.H. I Osmkania University Campus Hyderabad-500 007	B.E. (Electronics)

والمراقب وال	
S.No. Name of the candidate and address	Qualifications
8. Sri L. Bakshi C/o K. Ganga Rao Jannaram Post Jannaram Mandall Adilabad District PIN: 504 205	B.E. (Electrical)
9. Sri B. Chandee Room No.83, E.C.H.I Osmania University Campus Hyderabad PIN: 500 007	B.E. (Mech.)
10. Sri K. Rama Singh Naik Room No.56, E.C.Hl Osmania University Campus Hyderabad PIN: 500 007	B.E. (Civil)
ll. Sri MK. Narasimha S/o M. Chatriya Akkaram Village Achampet Taluk Mahbubnagar District PIN: 509 375	B.E. (Civil)
12. Sri Sudarshan s/o Laxman (Teacher) U.P.S. EDBID Post Edabid Via Mudhol District Adilabad PIN: 504 102	B.Tech. (Chemical Engg.)
13. Sri R. Shankar Lal s/o R. Kalaram Kalakonda Post Madgul Mandal Mahbubnagar PIN: 509 360	B.Tech. (Civil)
14. K. Adinarayana s/o K. Kotiah Lingamguntla Agraharam Narasaraopet Mandal Guntur District PIN: 522 601	B.Tech. (Mech.)

S.No. Name of the candidate and address	Qualifications
15. Sri K. Parshu Ram s/o R. Kailash R/o Bheempurk	B.E. (Civil)
Mandal Utnoor Utnoor Taluq,	<i>'</i> :
Adilabad District PIN: 504 311	4 <sup>1</sup> 维。
16. Sri Manugonta Chandrasekhar s/o MK. Rama Murthy, Advocate,	(4.2 <b>4</b> ) (1.2 g) (2.2 g) (2.2 g) (2.2 g)
8-6,Vikas Nagar, Dilsukhnagar Hyderabad-500 660	B.Tech. (Mech.)
17. Sri M. Narasimhulu	ren en e
s/o late Lakshmi Naik c/o Sri B.K. Naik LIG-189, KPHB Colony Hyderabad-500 872	B.Tech (Electronics)
. Hyderabad-300 072	
18. Sri P. Nageswara Rao s/o Sree Ramulu c/o G.Govindam Naidu Patta Paderu Village	B.Tech (Electrical & Electronics Engg.)
Paderu Post & (S.O) Visakhapatnam District PIN: 531 024	
	ν.
19. Sri B. Narsing Rao s/o B. Pappiah H.No.12-10-713 Mehdi Bhavi	B.Tech.(Civil)
Seethaphalmandi Secunderabad-500 361	.1.
 20. Sri A. Chakriya	
s/o A. Deepla H.No.306/EWSH New Santhoshnagar Colony Hyderabad. 500695	B.Tech (Computer Science)
21. Sri B. Narsing Rao s/o B. Yelliah H.No.29-489/l Neredmet, Opp. Police Stationl, Ramakrishnapuram Post Rangareddi District Secunderabad-500 556	B.Tech. (Civil)

S.No. Name of the candidate and address	Qualifications
22. Sri L. Kishan s/o Kasuya Arkela Village Papannapet Mandal Medak District	B.E. (Mech.)
23. Sri Mandla Anjaneyulu s/o M. Peddanna Moosapet Post Mahbubnagar District PIN: 509 380	B.Tech.(Mechanical)
24. Sri R. Prasada Rao s/o K. Venkaiah Lambadi Colony Tiruvuru (PO & Tq.) Krishna District PIN: 521 235	B.Tech.(Civil)

ANNEXURE - V LIST OF ITEMS FALLING UNDER S.S.I. UNIT

S.No.	Description of the item Valu	e Rs. in lakhs
1.	Safety helmets for use in mines	8.00
2,.	Augers	1.00
3.	Spaes for C DS exchange	0.50
4.	Highway fittings & street lights	1.00
5.	3.3 KV lamps HRC Fuses	0.01
6.	Sodium Alluminate	0.50
7.	Bratice cloth	23.00
8.	Brass BIB cocks & Stop cocks	0.05
9.	Benzo plex-M	0.02
<b>.</b> 0.	Miners shoes	22.00
11.	Mine Roadway fittings	5.13
12.	Moulding boxes	2.25
13.	N.C. Rings	0.01
14.	Spares for coal mill coal feeders	0.15
<b>-5.</b>	CO2 absorbent	2.50
16.	Concave and convex pans for mine ventilated pans	1.00
17.	Spares for long wall face equipment	1.00
18.	Drilling aaccessories	84.00
19.	CO2 detectors tubes	1.75
20.	Spares for Doscoroad headers	7.50
21.	Safety Goggles	0.30
22.	Fire Extinguishers	7.50
23.	Aluminium sheets	0.50
24.	Silvester prop with drawns	2.30
25.	Hessein bags	5.50
26.	Thermal compound	0.20

S.No.	Description of the item	Value Rs. in lakhs
27.	Cane baskets	26.75
28.	"V" Belts	1.20
29.	Lab equipments	0.30
30.	Belt lacing and cutting machinery	3.40
31.	Vibrating feeders/screws	17.50
32.	Wood preservative	0.50
33.	Knock-out machinery	1.00
34.	Plaster of Paris powder	0.05
35.	Diamond core bilt	7.70
36.	T.C. Core bilt	4.00
37.	Bentonite powder	1.75
38.	Hoisting plugs	1.00
39.	Coal barrels & Core lifters	1.50
40.	MS Drum rollers	16.80
41.	Belt fastening hooks	8.16
42.	GI Canisters	0.24
43.	Iron gamals	0.05
44.	GI Bucketsk	0.07
45.	Woollen socks	2.80
46.	C.I. Rollers	8.20
47.	G.I Earth Clamps 16 GQ MM 35 MM <b>70 MM</b>	0.61 0.55 0.40
48.	Bamboo mats	0.35
49.	Bamboo baskets	5.90
50.	Cane baskets	8.64
51.	Fish bolts & nuts 12 x 50 mm	<b>.</b>
	12 x 68 mm	0.18
52.	Wire Nails (Different sizes)	48.72

S.No.	Description of the item	Value Rs. in lakhs
53.	Rivets	
54.	Rosehead nails	
55.	G.I. Wire 10 G.	
56.	Dog Nails	
57.	Roof safari clamps	
58.	Tube pedestals	

ANNEXURE V-a

LIST OF ITEMS TO BE MANUFACTURED IN COMMON FACILITY WORKSHOP-CUMPRODUCTION CENTRES (INDIVIDUAL/COLLECTIVE/CO-OPERATIVE VENTURES)

(Rs. in lakhs)

		(1100 2			
S.No. Name of the item	No. of units	PROPOSED			
identified	that can	Installed capacity	Project cost		Availa- bility
	be star- (Rs. ted with- lakh in A.P. unit) state for identified items		(Rs. in lakhs per unit		of raw mate- rial
1. Cane baskets (Cottage sector)	1	30000 Nos	0.15 any	Can be starte ywherei A.P. S Prefer near e user	d Pro- n blem tate ably
2. M.S. flanges	i	4.00	2.40	11	н
3. Miners safety helmet	1	6.00	4.00	п	11
4. Vibrating feeders/screens	1	8.00	5.00	u	.11
5. Dog nails	1	10.00	6.00	11	ú
6. Khaki Woolen socks	1	14.00	2.00	u	ij.
7. Idle rollers for conveyor belts	3	25.00	15.00	u	Ħ
8. Air circuit breakers	1	30.00	24.00	n	<u>u</u>
9. L.T. Flame proof air circuit breakers	1	30.00	18.00	n	stí
10.Miners shoes with steel cap	1.	150.00	75.00	11	70
ll. Haulage steel wire ropes	1	185.00	100.00	H	ij
12. PVC conveyor belting	1.	200.00	250.00	11	û
13. G.I. Pipes	1	400.00	200.00	н	ît

Source: APICO report on Bulk purchases made by selection Government Departments and Public Sector undertakings in Andhra Pradesh.

	ANNEXURE-VI
t .	N.I.C. ————
APPLICATION FORM FOR PROVISIONAL REGI	
(for Proposed Indust	try) - 4%
PART - I	<b></b>
(To be filled in by all cataegorie	es of applicants)
1. Name of the Unit —	
and the second s	
2. Address	Factory* Office
i) State	्सा १८८४ म् विकास
ii) District iii) Tehsil	
<pre>iv) Town/village  v) Street &amp; Building No. vi) Telephone Number</pre>	-a off
3.* Type of legal organisation	
1.4	
4. Nature of industrial activity	
<ul><li>a) Manufacturing</li><li>b) Job</li><li>c) Repairing:/Servicing d) Asse</li><li>d) Processing</li></ul>	
(Strike out which is not applicable) * Not to be filled in by the applicant	The second of th
5. Names of articles to be manufactured.	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4)
6. Estimated requirement of power (Annua	5) 1) KWHP
7. Investment in machinery & equipment	(proposed) Rs.
8. Proposed capacity per single shift a	and production per year
Product *Code Unit Capacity	Production
Qty Valu	e Qty Value

9.	Proposed	employment
----	----------	------------

i)	Supervisory	• •	• •	
ii)	Others	••		• •

10. Whether any large/medium scale industry has interested in the proposed unit. If so, give details

Signature of the authorised person & permanent address.

Date

\* Not to be filled by the applicant

(To be filled in by the interviewer) 9DIO/ADI/Dt.Dir/Jt.Dir)

- i) Type of legal organisation:
  - a) Individual proprietorship
  - b) Partnership / Joint family
  - c) Partnership Others
  - d) Public limited company
  - e) Private limited company
  - f) Public Corporation/ Special Act of Parliament
  - g) Co-operative Society .
  - h) Other (Specify)
  - ii) Social status of the entrepreneurs -

Educated unemployed/Graduate/Engineer/Technician/Artisans/Traders/Ex-servicemen/Retired/Civilian/Others (Specify)

iii) Past experience in the line, if any.

signature of the Interviewer

## PART-II (To be filled in by all categories of applicants)

1. Scarce indigenous raw material required for production for of full year. (Approx.)	one
= 1 10 1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Description Unit Qty, Value in Rs.	
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	
2. Details of machinery and equipment with values	
The state of the s	
3. Proprietor/Any or all of the partners/Any or all of t Directors own/having any interest in any trading firms dealing with raw materials required by the proposed unit.	the
	4

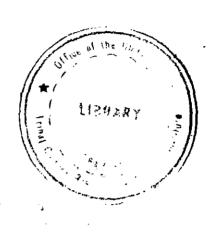
## PART-III

(To be filled by applicants requiring scarce and imported raw materials)

 Imported raw materials required for production for one full year (Approximately)

Description Unit Quantity

- Detailed scheme for the products to be manufactured to be given in the enclosed proforma.
- Specify the required plinth area for machinery working, raw material and fini shed product stocking and the availability of the same.
- 4. Whether the product is for industrial purpose or consumer one
- 5. Value added to the product (gross output value (-) value of raw materials and fuel)
- 6. Local availability of skills required to manufacture the product.
- 7. Competition in the line of manufacture locally and in the state.
- 8. Operationwise flow chart for the products to be manufacture.
- Demand prospect for the product in the state or country.
- 10. Registered partnership
   deed/authenticated Memorandum and
   Articles of Association.
   (Copies to be attached)
- 11. Bio-data of Proprietor/Partners/
   Directors and their permanent addresses
   (to be attached)
- 12. Technical and managerial background of Proprietor/Partners/Director
- 13. Their experience relevant to the lines of manufacture.
- 14. Reputed suppliers of machinery and their addresses for the machinery required in the project.



· ...

Signature of the Authorised Person



		•	



## LAKSHMI ENTERPRISES

6-3-192, Jainagar Colony, New Bholguda, Secunderabad-500380 Phone: 823620

