REHABILITATION OF SHIFTING CULTIVATORS

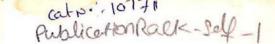
OF

EASTERN GHATS OF NORTHERN COASTAL DISTRICTS ANDHRA PRADESH

PROJECT REPORT

TRIBAL WELFARE DEPARTMENT GOVERNMENT OF ANDHRA PRADESH HYDERABAD.

OCTOBER 1988



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2-178



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^v The Project on Rehabilitation of Shifting Cultivators of Eastern Ghats of Northern Coastal Districts of Andhra Pradesh is prepared to seek financial assistance from IFAD (International Fund for Agriculture Development). The main aim of the project is to wean away shifting cultivators from the wasteful practice and introduce them to sedentary productive activity by improving their dry and wet land practices besides affording them a package of marketing and processing industrial activity with the ultimate objective of improving the economic and ecological base of the Podu cultivators and their area of habitation. As a concomitant measure, the Project also aims at improving the quality of life of shifting cultivators by reducing illiteracy and fighting malnutrition and disease by providing improved educational, nutritional and health care facilities besides a net work of roads and housing.

The preparation of the Project Report is preceded by a socio-economic survey of selected Podu villages, the results of which are ploughed back to Project formulation. The Socio-economic survey was conducted by the Regional Centre, *TCR & TI., Paderu, Visakhapatnam District.

✓ The Project formulation with a ten year perspective is based on clear identification of the Podu area, its resource endowment and ways of life of tribes practising Podu cultivation. The strategy Centres round identification of Watersheds and providing inputs and services suited to natural and human ecologies of the area.

A committee is constituted for the preparation of Project Report with the following Officers.

Sarvasri

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The identification of the Project Action Area, scheme formulation and processing of data at field level was done by the project officers of four ITDAs., Rampachodavaram (East Godavari Dist.), Paderu (Visakhapatnam Dist.), Parvathipuram (Vizianagaram Dist.,) and Seethampeta (Srikakulam Dist.). The Project formulation, spread over four months, has been conducted by holding series of Appraisal and Review meetings with the Project Officers by the Director of Tribal Welfare and Director, TCR & TI., Hyderabad. The necessary research and statistical logistics are provided by the Staff of Tribal Cultural Research & Training Institute who are also responsible for the preparation of the final Project Report.

The Project Report is divided into two parts. Part I comprises the introductory chapters describing the Habitat and people besides the findings of the Socio-Economic Survey. Part II sets out the strategy, project components, management and financial resources.

M.V.P.C. SASTRY, IAS. Director, Tribal Welfare, Govt. of A.P.

HYDERABAD 25th October '88.



PART I

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HABITAT AND PEOPLE

INDIA has the largest tribal concentration in the world, next only to Africa. Scheduled Tribes* occupy a significant place in India's ethnic structure enjoying constitutional protection and previleges. They constitute 7.85% (53.8 millions) to total population in the country as per 1981 census. The Scheduled Tribes numbering over 250 and speaking over 100 languages and dialects have their own socio-cultural and ecological milieu. They are mostly dwellers of forests, hilly regions, which are usually inaccessible. They are concentrated mostly in Central India (32.7 millions) in the States of Orissa, Bihar, Madhya Pradesh, Andhra Pradesh and Maharashtra.

Andhra Pradesh has the largest concentration of tribal population in Southern India. There are 33 Scheduled Tribes in the State with a population of 31.76 lakhs (3.176 millions). The Scheduled area, the main habitat of tribals, extending over 30.030 Sq. Kms. is distributed in Srikakulam, Vizianagaram, Vishakapatnam, East Godavari, West Godavari, Khammam, Warangal, Adilabad and Mahboobnagar districts. The Scheduled area constitutes 11% of the total geographical area of the State. The Scheduled Tribe population in the State constitutes 5.93% to the total population of the State. The tribe-wise (Scheduled Tribe) population is given in Annexure-L. The density of population in tribal areas is 125 per Sq. Km. as against 194 in the plain areas. The district-wise Scheduled Tribe population (1981 Census) is furnished in Annexure-II. The literacy rate of Scheduled Tribes in Andhra Pradesh is only 7.84% and it is not even half of the National literacy level of Scheduled Tribes (16.35%) as per 1981 Census.

^{*}Concepts and Terms used in this Project Report are explained at the end.

On the basis of Geo-cultural characteristics, the Tribal areas of Andhra Pradesh can be divided into five regions:

1.	Gond-Kolam Region	:	Tribal areas of Adilabad Dist.
2.	Koya-Konda Reddi Region	÷	Tribal areas of Karimnagar, Warangal, Khammam, West- Godavari & East Godavari districts - Areas along Goda- vari gorges.
3.	Khond-Savara Region	:	Tribal areas of Visakhapatnam, Vizianagaram and Srikakulam districts.
4.	Chenchu Region	÷	Tribal areas of Mahboobnagar, Nalgonda, Kurnool, Prakasham, and Guntur districts.
5.	Plain areas	:	Areas of habitation of Yanadis, Yerukulas and Banjaras.

The action areas of this Podu Rehabilitation Project form part of Khond-Savara Region and East Godavari, part of Koya-Konda Reddi Region. The Khond-Savara Region is one of the typical tribal habitats comprising of forest and hill tracts which form part of the Great Eastern Ghats.

Winter is extremely cold in this region and summer is pleasant with salubrious climate in certain areas like Araku and Paderu in Visakhapatnam Vamsadhara, Suvarnamukhi, Vegavati, Mahendratanaya, Gomukhi, District. Important rivers such as Nagavali,/ Champavati and Machkund, meander through the tribal areas of this region. The Machkund river profoundly influenced the socio-religious lives of tribals of Paderu region. The major tribal groups of this region are Savaras, Jatapus, Bhagatas, Valmikis, Khonds, Nookadoras, Konda Doras, Gadabas and Porjas.

In East Godavari District, Podu rehabilitation Project falls in Koya-Konda Reddi region. The major tribal groups of this region are Koyas and Konda Reddis and they are found all along on either side of the river Godavari and its tributories like Sabari and Kinnerasani. The mighty Godavari greatly influenced the Socio-economic conditions of Koyas and Konda Reddis.

In the action area, about 23 tribal communities are found with a total population of 5.77 lakhs (0.577 millions). The details of Tribal population in this region are given below :

(in millions)

SI. Name of the No. District	Scheduled area in Sq. Kms.	Total Popu- lation in the Sub-plan area	ST Popula- tion in the Sub-plan area	% of ST popula- tion
1. Srikakulam	1,289.32	0.086	0.043	50.0
2. Vizianagaram	1,740.98	0.136	0.097	71.3
3. Visakhapatnam	5,904.51	0.355	0.316	87.8
4. East Godavari	4,191.65	0.174	0.121	64.9
Total	13,126.46	0.751	0.577	76.8

In these four districts, Integrated Tribal Development Agencies have been functioning since Fifth Five Year Plan. The details of lowest level administrative and development units ie. Mandals located in each I.T.D.A. are given here-under :

	No. of Mandals			Villages		
I.T.D.A./ District	Wholly Partly situated situated in ITDA in ITDA area area	Total	Sche duled	Non- sche- duled	Total	
1	2	3	4	5	6	7
Seethampeta Srikakulam	1	14	15	108	239	347
Parvathipuram, Vizianagaram	2	6	8	298	133	431
Paderu Visakhapatnam	11	6	17	3368	86	3454
Rampachodavara East Godavari	m 7	6	13	559	40	599
Total	21	32	53	4333	498	4831

Natural Resource Base:

The Eastern Ghats in Andhra Pradesh are divisible into two sub-zones viz., Northern Sub-Zone and Southern Sub-Zone. The Action Area falls within the Northern sub-zone whilch consists of hilly areas of Godavari, Sileru, Machkund basins and covers the Districts of Srikakulam, Vizianagaram, Visakhapatnam, East Godavari and West Godavari. The Northern Sub-Zone has rich and dense forest resources with fertile soils and high rainfall ideally suited for afforestation. The vegetative growth in this Sub-zone consists of moist deciduous and superior dry deciduous forest types. These forests form a resource base with great potential for exploration, conservation and scientific exploitation. The Eastern Ghats lying in Northern Sub-Zone are the main sources of watersheds of important river-valley catchments.

Geo-climatic Variables:

The hill ranges vary in height from 200 metres to 1800 metres. The tribal areas from East Godavari to Srikakulam which form part of the Northern Sub-zone of Eastern Ghats present variegated landscape, ranging from intensive wide plains to rolling hill ranges of the hills clothed in dense vegetation and valleys chequered with fields, alternate with ridges.

The areas where shifting cultivation is practised have steeper slopes of above 28.5 degrees. As tree growth on these steep slopes is cleared for shifting cultivation, resultantly the rain water washes away the rich upper layer quickly; rendering the land unfit for cultivation within two to three years besides silting up rivers when the rain water drains off into the rivers.

Geology:

The zone consists largely of Sillimanite schists with intrusions of Charnokite gneisses; the younger rocks include granites, anorthosites and nepholine syenites. Geologically, there is said to be a "cross folding" in the rock formation.

Minerals:

Minerals of economic value such as manganese, bauxite, apatite, graphite, chromite, magnetite, sillimanite, worfromite and corundum besides gold, coal, bergal are located in different places. The occurances of crystalline limestone is found near Borra caves situated in Ananthagiri Mandal of Paderu I.T.D.A. in Visakhapatnam District. This could be utilised in glass manufacturing and for making mild abrasives for polishing metallic surfaces. Red Ochre is found at about 6 furlongs to the west of Sarai village of Srungavarapu Kota in Visakhapatnam District. This is useful in paint manufacturing.

Iron ore in the form of magnetite occurs along with apatite near Killamkota area of Visakhapatnam District. The ore is a high grade massive containing 69% of iron. Huge Bauxite deposits have been discovered in the Eastern Ghats of Ananthagiri Block. There are three main cappings of aluminium laterite in this area. These bauxite cappings occur over an altitude of 1300-1400 M. above M.S.L. These deposits are expected to carry large reserves of high grade bauxite suitable for aluminium, as well as for use in steel, refractory, abrasive and other industries.

In Agency tracts of East Godavari District, an extensive capping of aluminous leterite containing good quality bauxite has been discovered by the Geological Survey of India in Dummakonda hill range and in the interior hills around Maredumilli of East Godavari District. This is used in steel, Chemical and other Industries. Graphite deposits and sand stones available in agency tracts are useful for building materials. Plastic with clay and fire clays found in the Project area are suitable for ceramic and other industries. The mineral wealth in Srikakulam and Vizianagaram agency tract consists of Manganese, Limestone, Quartz and Graphite. Soils:

Due to the mountanous nature with high slopes, specific soil formations with characteristic profiles are rare. Laterite soils (Oxisols) and red soils (alfisols) are the most prominent types. Clay and silt depositation occurs in the valleys.

Climate:

The climate of this region is sub-humid, with the maximum temperature in winter touching 4-5 degrees C., but temperature in summer is fairly high being 30-35 degrees C. even at higher elevations. The rainfall ranges from about 100-150 Cms., a major part of which is received by South-West monsoon and relatively less by North-East monsoon.

Forest and Vegetation :

The common trees found in these areas are:

- 1. Bamboo (Dendrocalamus strictus)
- 2. Tamarind (Tamarindus Indica)
- 3. Acacia (Acacialeucophloea)
- 4. Med (Morinda Tinctoria)
- 5. Jamun (Eugenia Jambolana)
- 6. Yegi (Pterocarpus Marsupium)
- 7. Nalla Maddi (Terminalia Tomentosa)
- 8. Jack Fruit (Artocarpus Integrifolia)
- 9. Eucalyptus (Eucalyptus species)
- 10. Mango (Mangifera Indica)



- 11. Teak (Tectona grandis)
- 12. Mohwa (Bassia Latifolia)
- 13. Caryota Palm tree
- 14. Soap-nut (Sapindus emarginatus)

Extensive plantations of Teak and Bamboo are undertaken by different Government agencies particularly the Forest Department. Coffee has been introduced as a Commercial plantation.

Water Resources:

There are about 30 major and minor watersheds in the zone, with an average drainage ranging from 200 to 600 mm. and commanding catchments ranging from 500 to 10,000 Sq. Kms. The mean drainage Sq. Km. of stream of river flow. Except for density is about 0.07 direct use of stream water for terraced plots along the bed, there are few dams and reservoirs on the streams or rivers, except on 4 to 5 bigger rivers. Ground water exploitation is very meagre.

Minor Forest Produce:

The forests in coastal districts are potentially rich and varied. Items like 'Adda' (Bu¢hanie Vahuli) leaf, Tamarind (Tamarindus Indica), Myrobalam, Broom-stick, Soapnuts, Marking nuts, Pungam seed, Nux Vomica, Raulfia Serpentina roots are abundantly available in this region.

Land use:

The land use pattern of Action Area shows that out of 1.2993 million hectares of geographical area the forest constitute 0.8107 million hects. (62.39%). The net area sown constitutes 0.1751 m. hec. (13.48%). The cultivable waste accounts for 0.0503 million hectares (3.88%). The land use details for the 4 I.T.D.A.s are furnished in Annexure-III.

Settlement Pattern:

The settlement pattern of tribals living in Eastern Ghats differs from one region to another. The Konda Reddi and Koya settlement pattern is definitely an adaptation to their method of food production. Two types of settlements have been found among the Konda Reddis. The first consists of small hamlets on mountain slopes and the second consists of larger villages situated on the basin of river Godavari or in the valleys and foot hills. The former settlements are those of shifting cultivators

while the latter belong to settled cultivators. Most of the hill settlements of Konda Reddis are very small consisting of about 10 houses. These houses either perch in a cluster on hill slope or huddled in a jungle clearing. The settlements of Savara, Khond, Valmiki and Bagata are generally located on elevated places or hill slopes overlooking their agricultural fields. The long houses of Savaras and Khonds are divided into portions and each portion is occupied by a single family. A settlement consists of two or three parallel rows of linear huts. The other tribal groups have single houses of square or rectangular types living in larger multi-tribal villages either in foot hill area or nearer to plains areas.

Social Pyramid:

The social pyramid of the tribals of the area could be broadly divided into three strata taking into consideration their commensal patterns and the prevailing concepts of relative community social status. Bagatas, Nooka Doras and Kotiyas accupy the highest stratum of the social pyramid as eating beef is tabooed among these tribal groups. These tribal groups constitute non-beef communities. The next stratum consists of beef and pork eating tribal groups like Konda Doras, Porjas, Gadabas and Khonds, while Valmikis belong to the lowest social stratum because of their trade in skins and hides. The tribal groups can also be classified into high and low status groups based upon the customs of acceptance of cooked food and other prevalent and generally accepted traditional concepts of status criteria. Bagatas occupy the highest step of the social pyramid followed by Nooka Doras and Kotiyas respectively in the hierarchical order of the first stratum. Inspite of this structural hierarchy, these communities also follow certain egalitarian principles. The stigma of untouchability is unknown in Tribal areas. They enter into ceremonial friendship irrespective of high or low status tribe or sex. They jointly participate in village festivals and rituals.

Family:

Family constitutes the fundamental unit of the social structure of the various tribal groups. In general, immediately after marriage a son or brother establishes a separate family and as such most of the families are predominantly of nuclear type only. Joint families are also met within a number of cases.

A tribal family is characterised by patrilocal residence, patrilineal descent and patriarchal authority.

Totemic Clans :

Most of the tribal societies living in Eastern ghats are divided into several exogamous clans. But Savaras inhabiting in hilly areas of Srikakulam and Vizianagaram districts originally are not having clans. However, some sections of Savaras are adopting the following clans of Jatapus - an advanced section of Khonds.

- 1. Arika (small millets)
- 2. Biddika (earthen pot)
- 3. Kumbinika (a kind of tree)
- 4. Gedala (Buffalo)
- 5. Konda Gorri (wild sheep)
- 6. Addakula
- 7. Mutaka (Moduga tree)

The tribal groups living in Visakhapatnam district are organised on the basis of the following totemic clans:

- 1. Korra (Sun)
- 2. Pangi (kite)
- 3. Ontala (snake)
- 4. Killo (tiger)
- 5. Gollori (monkey)
- 6. Kimudu (bear)
- 7. Matya (fish)
- 8. Chelli (goat)

The clan organisation of the tribal groups of Srikakulam, Vizianagaram and Visakhapatnam Districts is more or less based on the principle of 'fubier' i.e. adopting the clan structure of dominant tribal group. But, the tribal groups of East Godavari viz. Konda Reddi, Koya, Valmiki, possess more or less independent clans. The Koya society is based on totemic clans, such as Murram (tortoise), Turam (a cat family), Kurasam (wild goat) Madakam (a kind of fish). The Konda Reddy and Valmiki groups are organised on the basis of surnames (septs) like any other Telugu-speaking caste and communities.

Among the tribal communities of Eastern Ghats, various ways of acquiring mates are found. Marriage by negotiations, marriage by service, marriage by capture, marriage by elopement are some of the important types of acquiring mates. The bridegroom has to pay bride-price in all tribal communities. The entire marriage expenditure has to be borne by the groom's party only.

The religion of the tribal communities of Eastern ghats is a mixture of Animism and Hinduism. Now a days, they are celebrating a few Hindu festivals like Dasara, Deepavali, Sriramanavami, etc. Their traditional religious rituals and ceremonies are connected to their economic activity. For example, Vittupanduga, a festival celebrated by Savara, Gadaba, Valmiki, Khond Tribals is connected with their hunting. The festivals like Nandipanduga, Korra-Kothapanduga, Bhoomi panduga, etc. are connected with their agricultural activity. The Koyas worship deities like Kommadamma, Kateredu, and Adamraju.

The tribes men of Eastern ghats celebrate certain rituals for proper growth of crop and to protect it from pests and other natural calamities. For timely rains also, they propitiate Bheema, the second among the Great Pandava brothers. The Savaras sacrifice a buffalo, if they are adversely affected by incessant rains.

The tribals of this area strictly observe the practice of propitiating the Gods before consuming the first fruit or grain harvested. Without performing the ceremony/rites, consumption of the fruits/crops is prohibited.

Economic organisation :

In Central and Northern parts of Eastern ghats, Jatapus, Konda Reddis, Savaras, Porjas, Konda Doras and Khonds subsist mainly on agricultural acitivity and most of them depend on Podu cultivation. Besides Podu, they also raise horticultural crops. Their main activity is supplemented by food gathering and collection and sale of minor forest produce. The material equipment of all these communities consists of simple tools bow and arrow for hunting, digging stick, 'Konki boriga', hoe and sickle are used in agricultural activity.

Women and children play a vital role in the economic activity of the tribal household. Women participate in every economic activity particularly in agriculture (except ploughing) and non-agricultural activities. They freely accept wage labour when opportunities are available besides collecting forest

produce. The tribal children from 10th year onwards help their parents in family pursuits by tending cattle, weeding fields, chasing birds on the standing crops, etc. When the parents are engaged in their family occupation, the younger children are left to the care of the elder children usually girls.

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SHIFTING CULTIVATION

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Even though dress, decoration, political structure and behaviour patterns of Tribals in this State are undergoing rapid changes due to long standing and increased contact with the general population, their agricultural practices and other methods of exploiting nature remained relatively un-changed. Both advanced and primitive tribal groups still subsist on 'Podu' cultivation. In the tribal areas of this State especially in the hilly and forest region of Srikakulam, Vizianagaram, Visakhapatnam and East Godavari, there are small but innumerable problem areas where the tribals practice shifting cultivation which is locally known as 'Podu'. The shifting cultivators are at subsistence level, that is at a level where every family must produce whatever is required for consumption.

Two types of 'Podu', namely 'Chelaka Podu' and 'Konda Podu' are in vogue. While the podu practised in plain jungle clearance and flat lands is known as 'Chelaka Podu', the Podu confined to hill slopes is called 'Konda Podu'. Both the types involve shifting of cultivation . site from one patch to another after the fertility of the patch is exhausted. The cycle of shifting is determined by agro climatic conditions locally prevailing. In Konda Podu primitive implements like hoe, digging stick hand axe and sickles are used, for 'Chelaka Podu' the implements employed by the settled cultivators are used. 'Konda Podu' operations start with the onset of summer to the accompaniment of certain rituals. After selecting a patch of land the trees and bushy growth are cleared and allowed to dry. Before the onset of monsoon this is burnt. This process marginally increases the fertility.

• Podu cultivation essentially provides the bare requirement of tribals for survival rather than generating surplus and profit, nevertheless, it plays a vital role in the economy of certain tribal groups as it ensures food supply almost round the year. Over the ages it has become an inalienable part of their life and culture with a number of ceremonies built around it.

Podu location and Extent :

The study reveals that out of 479 tribal families in the sample villages, 434 are entirely or partially depending on Podu land constituting 90.60% to the total families. An extent of 541.50 hectares of Podu land is owned by these 434 families. The average size of Podu holding per family works out to 1.25 hectares. Again out of the total land of 541.50 hectares of Podu land, an extent of 492.20 hectares come under unreserve forest while the remaining 49.30 hectares of land is in the Reserve forest (Annexure-IV)

Earlier, the tribal used to cultivate a Podu patch for a period of two to three years, abandon it permanently and then used to go for a new patch of Podu Land. Gradually, due to the restrictions imposed by the Government and also growth of population, the tribal had to confine to a limited number of Podu patches in which he is shifting from one patch to another. This practice is noticed in all the sample villages of Visakhapatnam, Vizianagaram and Srikakulam districts. In East Godavari district, it is found that Kondareddis who are inhabiting the two sample villages, Viz., Chekkavad and Boddagondi are still going for fresh patch as restrictions imposed by Forest Department are not rigorously applied. Besides as long as a tribal resides in that particular village he has a right to re-occupy the land last cultivated by him and would not be contested by any other villager. It is believed that the Podu fields become unsuitable for cultivation due to loss of fertility after raising crops for three years successively. If sufficient Podu land is not available then shifting does not take place. For instance, in Bauyaguda village of Visakhapatnam district Khonds are continuously cultivating the Podu land without leaving fallow by applying farm yard manure as there is scarcity of Podu land. In Kondamusuru village of Vizianagaram district, the Kondadoras are extending their Podu cultivation beyond the three year cycle dapplying Farm yard manure.

The tribals are very careful in choosing the location of the land to be cultivated. They have to rely on their knowledge of the local vegetation in selecting the site as an indicator of the fertility of the soil. The tribals interviewed expressed the view that any species of tree, bush, shrub with thick leaves indicates fertility of Podu land. Experience and oral tradition directs the farmer to the soils that are more fertile, easiest to cultivate or best suited for raising crop. His index of returning fertility after a fallow period, is based on the succession of the vegetation that followed cultivation. While selecting site, shifting cultivators consider not only the physical characteristics of the site but also its distance from their habitation.

Most of the hilly areas are very thinly populated and the villages/ hamlets are situated far apart. Each village operates in a particular demarcated area. It is observed during the field study that Savaras and Jatapus in Seedhi village of Srikakulam district have separate demarcated

areas, though they are living in the same village. Savaras exclusively undertake Podu cultivation on two hills called Dasari Kond and Pedamma konda while Jatapus cultivate Raimanukonda and Puddikonda. Apart from these both these groups share two other hills ie. itchingalukonda and Athakarikonda with clear demarcation between the two groups. In Gudamaliputta of Visakhapatnam district, it is noticed that there is no demarcation of area for undertaking podu cultivation among the inhabitants viz., Malis, Valmikis and Kondakammara on a group basis, however, no disputes are noticed in the sample villages with regard to jurisdiction of Podu area as individual ownership of Podu land is recognised. Each Podu cultivator has a traditional right over a particular Podu land. Some of the tribals in the sample villages have got pattas also or the Podu land situated in un-reserve forest. It can be seen from Annexure V that out of the total extent of 541.50 hectares of Podu land in the selected villages, pattas were given covering an extent of 116.437 hectares constituting 21.50% of the total Podu land. It is interesting to note that out of the total 434 Podu land holders in the sample villages, 324 inherited 418.437 hectares (77.27%) of Podu land from their forefathers while the remaining 123.060 hectares of Podu land (22.73%) was cleared by the remaining 110 Podu families (Annexure VI). It indicates that there is little scope for increase in the extent of Podu land. Transfer and sale of Podu land is not reported. Neither traditional tribal leaders nor village councils have any special previleges with regard to Podu lands in this case.

Method of Podu Cultivation :

After the selection of land, the tribal starts clearing the bushes with knife called 'Chinnakathi' on an auspicious day in consultation with 'Disari' or 'Muhurthagadu', local priest. the tribals offer a fowl or coconut on

this day to propitiate the Gods or ancestral spirits. All the family members participate in this activity. They cut off trees and under growth with the help of axe and sickle. As this involves lot of manual labour, they start this operation with the onset of summer. They leave the cut down trees and bushes to dry. If there are big trees which cannot be removed by them they dig holes around the roots of the trees and lit fire at the bottom of the trunk. The tree witheres in a week and slowly falls on the ground. When all the bushes that have been cleared get dried by the end of April or middle of May, the tribal burns them and spreads the ashes over the fields. A tribal ordinarily clears $\frac{1}{2}$ to 1 hectare for Podu. During first year of Podu cultivation the communal labour helps him for preparation of land. When the monsoon is about to set in during the month of June, the tribal prepares the land for cultivation. He uses a hoe or digging stick for raking the land.

When monsoon sets in, the tribal starts broadcasting or dibbling small millets and pulses in the ashes of the burnt trees and bushwood. Pulses like redgram, blackgram, greengram are dibbled, while small millets such a Sama, Ganti and cereals like Jowar are broadcast. After one or two rains, these seeds germinate and within 15-20 days the whole field looks like a green carpet. Weeding operations are carried out twice in an agricultural year. Some times it becomes essential to carry them out thrice in a year if the weeds grow faster and in plenty. The depredation by wild animals and pests starts from the days when the ears of the crops appear and continue till the harvest. The villagers have to watch day and night when the crops are ready for harvest for which they construct a farm 'Machan' or hut in the field. Now and then the tribal beats empty tin with a stick to scare away wild animals or birds that destroy the crop. They do not use either fertiliser or pesticides.

Harvesting starts in the month of October and continues till December. Varieties of crops are sown with different timings to ensure food supply on continnual basis. After threshing operations are over the food grains are collected and stored in baskets for future consumption. The baskets are made of bamboo reeds and in different sizes. All the tribal groups except Jatapus keep these bamboo baskets on the attick, whereas Jatapus keep them on an elevated platform of the house. They sell the commercial crops like Niger, Turmeric, etc. after harvesting.

Simple tools and implements and locally produced seeds are the main inputs of shifting cultivation. The agricultural implements used for Podu cultivation are Kathi (Knife), 2. Kodavali (Sickl), 3. Gunapam (Crobar), 4. Para (Shovel) and 5, Goddali (Axe).

large variety of crops like 'Sama', 'Chodi', 'Sirikandulu' Α 'Jonnalu', 'Maize', 'Ganti', 'Dellies, 'Timmerlu', 'Korralu', 'Niger', 'Tamatamas', 'Dry Paddy', 'Judumulu', 'Oodalu', 'Castor', etc. are grown on Podu lands. Podu cultivation has very little scope for mono cropping as diverse crops are sown in a single plot of land. In most of the podu patches mixed crops are grown. While in a few patches single crops are raised due to specific reasons. For instance 'Tomatamalu' (a variety of pulse) is a small plant and requires direct sun light for growth. It is therefore grown as a single crop separately. Similarly, crops like 'Thimmerlu' and 'Delfies' are creepers and hence they are being raised as separate crops. The cropping pattern varies from region to region. In Srikakulam and Vizianagaram districts they raise redgram only in the first year and in the subsequent years they raise mixed crops like 'Sama', 'Gante', 'Jonna', 'Korra', 'Judumulu, 'Oodalu', Redgram and 'Chodi', etc. The combination of these mixed crops varies from village to village. In Visakhapatnam district the tribals cultivate

crops like 'Sama', 'Chodi', 'Korra', 'jonna', 'Ganti', Maize, Castor, Gingelly, with different combinations; while the crops like 'Dellies', 'Thimmerlu', 'Tamatamatolu', 'Vulavalu', are grown separately. The Tribals of East Godavari district raise crops viz., 'Ragi', Jowar, Maize, 'Samai', 'Bajra', 'Redgram', Castor, blackgram, etc. as mixed crops in their Podu fields. Apart from these crops the tribals cultivate many kinds of vegetables and tubers in the Podu lands. In Podu cultivation the primary emphasis is given to food crops, which are meant for home consumption. Besides food crops, commercial crops are also grown to meet their daily requirements. The mixed cropping pattern has certain advantages as observed in the field and these are :

1. Combination of certain crops results in low incidence of pest attack.

2. Food supply throughout the year is ensured.

3. Mixed crops serve as a guard against total crop failure as one or the other crop survives providing the much needed food.

Podu is a practice which has persisted over ages. It is a way of life developed as a reflex to the peculiar geophysical environment of the tribal.

CHAPTER III

PODU CEREMONIES

Tribals observe various ceremonies and rituals and propitiate numerous deities associated with Podu cultivation. Among the tribal groups various religious functionaries play an important role while performing these ceremonies. The most important religious functionaries with their specific roles in the ceremonies associated with Podu cultivation are discussed hereunder:

1. Disari : He is the most important of the functionaries in the religious ceremonies of many of the tribals in the Eastern ghats of Andhra Pradesh. He also fixes auspicious time for the social and religious ceremonies performed by tribals including ceremonies associated with Podu cultivation.

2. 'Pejjeni' or 'Pejjeni buddi': The Pejjeni is a married old swoman or widow who attends to various rites of Khonds. She is believed to have the power to communion with the spirits. Thus she acts as a spirit medium. Similar female religious functionary called 'Kudan boi' officiates various religious and social ceremonies among savaras.

3. Tromba : He is an young unmarried man who acts as a priest for certain festivals of Khonds.

4.'Buyya': Headman of a Savara village who fixes the day for celebrating the festivals among Savaras.

5.'Kudan': Male Religious functionary of the Savaras who officiates social ceremonies. His counterpart among females in "Kudan boi" who also acts a spirit medium.

The tribal consults 'Disari' to fix an auspicious day for clearing a fresh podu patch by offering one bottle of 'Ippasara' or Mohua liquor. 'Disari' drinks the liquor and fixes an auspicious day for clearing Podu. This practice is in vogue in the surveyed tribal communities of Khond, Savara, Porja, Jatapu and Goudu.

During the regime of 'Muttadars' (feudatory functionaries created by the British), the tribals were taking consent of the concerned 'Muttadar' for cultivating the Podu patches by offering one fowl, a 'Kuncham' (Local measure) of rice, one pumpkin, glantains and Rs. 20/- on Dasara festival day in addition to ploughing the lands of 'Muttadar' free of wages. The 'Muttadari' system has since been abolished. In Visakhapatnam district, Goudus consult 'Disari' for an auspicious day for clearing the Podu patch and on that day the head of the family goes to the Podu field, selects one stone in a corner of the field, decorates the spot before the stone with 'Chodi' powder, applies turmeric and vermilion to the stone selected and after sprinkling the rice before the stone, allows sacrificial fowl to peck and then sacrifices the fowl. If the fowl does not peck, they leave that Podu patch, lest diseases befall the family members.

Similarly, before starting Podu clearance, the Porjas in Chuttumitta village of Visakhapatnam district approach 'Muhurthagadu' to decide an auspicious day. On the prescribed auspicious day the head of the family takes 'Pujari' to the field, selects one corner of the field, plasters it with cowdung, draws lines with 'Chodi' powder, decorates it with turmeric powder and vermilion. 'Muhurthagadu' chants 'manthras' (Magical incantations) and sacrifices a chicken. The Podu operations are then initiated by clearing the bush and useless trees on the Podu patch. The felled trees are left to dry and then burnt. Before sowing the seed 'roti' or pan cakes are prepared with 'chodi' flour and taken to the Podu field. Half of the 'roti' will be thrown on the Podu field and the rest is consumed by the family members. The leaf in which the pan cake is eaten will be hung from a wooden pole fixed in the Podu field to drive away the evil spirits according to the local belief.

Kondareddis of East Godavari district feed their co-tribals, who help them in clearing the Podu field. The tribal cooks food either in his house or at the Podu field. He offers 3 handfuls of cooked rice to each tribal who helps him in clearing the bushes or trees. They take the cooked rice to their houses and eat along with the food cooked in their houses. This is called "Vetti" (free service). They also celebrate 'Bhudevi Panduga' after burning the dried bushes. On that day 'Pujari' picks one half burnt stick from the burnt Podu field, erects it before the deity (Bhudevi) and sacrifices a fowl.

Koyas of West Godavari district approach 'Pujari' before cutting trees in the Podu. On the day fixed, the tribal goes to the Podu field with 'Pujari', sacrifices a fowl and spills the blood on the field and prays 'Bhudevi' (earth goddess) for good crops and the sky for good rain. Next day onwards he starts cutting trees and bushes.

Festivals connected with Podu : The tribals celebrate various festivals during their Podu operations. These annual festivals are described in brief hereunder:

Itukula Panduga (Kothamasa): The tribals follow rituals before broadcasting the seed. Tribals in Visakhapatnam district would not sow the seeds in the Podu fields unless they are charmed through certain rituals. On an auspicious day fixed by 'Disari' all varieties of seeds are collected from the house of 'Nayudu' (Village Headman) 'Pujari'. All the villagers assemble at one place and the 'Pujari' chants 'Manthras' and sacrifices a fowl. The seeds are mixed with its blood. The 'Pujari' keeps some seeds in front of village deity. Afterwards the village head man stands on a platform and throws the charmed seed on the villagers assembled. The villagers catch the seed in a cloth held between their hands. The tribals take these charmed seed to their houses, mix it with the seed to be broadcast and preserve them until the onset of monsoon.

Next day all the male members go for ceremonial hunting. The colourfully decorated women-folk of the village sing various folk songs. No male member is supposed to stay back in the village. If any male member remains in the village, the women folk throw cow dung on him and chastise him. The hunting party returns only after killing an animal. If the hunting party returns without bagging any animals the woman folk heckle and jeer at them by throwing cowdung water. The killed animal is brought in a procession by beating drums and trumpets and singing songs. The ______animal is kept in the open ground where the tribals meet quite often. They spend the whole night in singing and dancing around the animal. The animal is shared by all the villagers equally whereas the actual hunter gets the flesh from the thighs. Thus it is believed the seeds are fortified with super-natural power.

Bicca Parbu : Knonds of Visakhapatnam district celebrate this festival before starting sowing operations. The villagers collectively celebrate it during 'Maga lenju' (February). The 'Havantha' * convenes meeting with the villagers and fixes an auspicious day by consulting the 'Disari'. Some amount is also collected to buy fowl and other items necessary for the festival. On the day fixed by 'Disari' all the villagers assemble at the shrine of 'Jakaripenu'. 'Pejjeni' cleans that place, plasters with cow-dung and decorates it with 'chodi' powder and turmeric. 'Tromba' places a basket of 'chodi' grains' and a few grains of redgram, 'Sama' and Paddy on the 'chodi seed basket. After chanting hymns, a hole is made before the deity and 'sama' seed is dibbled in the hole.

Next morning again all the villagers assemble before the deity, sprinkle some rice on the floor and make the fowl peck the grains. 'Tromba' sacrifices the fowl and spills the blood on the deity first and on the seeds later. A pig is also sacrificed and the blood is spilled on the deity and on the grain. Some water is poured into the hole in which they dropped the seed and it is covered with mud. He distributes the fortified seed among all the villagers and they in turn mix them with the seed preserved in their houses for sowing and broadcast them immediately after the on set of rains. Food is cooked and ceremonial feast arranged to the villagers at the place of the deity.

The performance of this festival is restricted to a few Khonds. Hira Parbu : 'Hira Parbu' is celebrated before sowing seed. During this festival they propitiate 'illu penu' (House hold deity). The 'Pejjeni buddi' performs this ritual first in the house of 'Havantha' (Head man of the village) next in her own house and then in other houses. On an auspicious day fixed by 'Disari', 'Pejjeni buddi' comes to the house of 'Havantha'. The wife of 'Havantha' brings water mixed with turmeric powder and sprinkles on the feet of 'Pejjeni buddi' who plasters a corner of the house with cowdung and decorates with 'chodi' powder and turmeric. She puts one basket of rice and another basket of 'chodi', a 25 paise coin, a few grains on this spot and lits a lump and keeps it on the rice basket. 'Pejjenibuddi' chants 'Manthras' and prays "Oh God! we are celebrating 'Hira Parbu' bless us with good crops and sound health". The "Peijeni buddi' sprinkles rice on the floor and allows a fowl to peck the grain and sacrifices it. The blood is spilled on the ground. The seeds offered to the God are kept separately in the house and are mixed with other seeds and sown immediately after the monsoon starts.

In Srikakulam and Vizianagaram districts 'Savaras' approach 'Disari' to fix an auspicious day for broadcasting the seed in the Podu fields. On the fixed day, the headman goes to the field with the seed to be broadcast and one fowl. He sprinkles some seed in one corner and prays "O Baru-sum jun-jumnai baggigen amam bagsigon amam aganai jommolan appudsir thanyen

amam bangsiegem jumjumnai atellende jommolan appusirren adinai attleng gamdomi" meaning "O Hill deity don't say that we did not give you anything at the start of broadcasting. See this, eat this. Now we are broadcasting". The fowl is allowed to peck the grain and sacrificed. The seed is then broadcast.

Arvu Parbu : Khonds of Visakhapatnam district celebrate this festival before starting weeding operations. Only interested families celebrate this festival. On the day fixed, they take 'Pejjeni buddi' to the field. A spot is selected and cleaned. It is plastered with cowdung and lines are drawn with 'chodi' powder where turmeric powder and vermilion are also applied. After chanting hymns 'Pejjenibuddi' breaks a coconut and sacrifices a fowl. Later feast will be arranged to the members present for conducting weeding operations.

Junanga Parbu : Khonds of Visakhapatnam celebrate this festival in the month of 'Ratta Lenju' (July) and offer prayers to 'Jakari Penu'. Disari fixes an auspicious day and on that day 'Pejjeni' plasters the floor in front of the Jakaripenu and draws lines with chodi powder and decorates with turmeric powder and vermilion. She offers roasted maize heads to the deity. She sprinkles rice before the deity and makes the fowl peck the grain and sacrifices it. A feast is arranged to the villagers with the money and grain collected for the purpose.

Kumda Parbu : This festival is celebrated by most of the tribal communities in Visakhapathum district. Khonds call it 'Kumda Parbu' (Kumda means pumpkin). This is performed in the month of Dandapanna-Lenju (August).

Every household celebrates this festival. On the day fixed by 'Disari', 'Pejjenibuddi' performs it in the house of 'Havantha', followed by her own house and other houses in the village. The festival is celebrated to offer pumpkin leaves to 'Illupenu' before the tribals start consuming the new leaves. The leaves are placed by the side of rice basket. They pour some rice before the diety and make a fowl to peck the rice after which it is sacrificed. The blood of the sacrificed animal is spilled on the leaves. After celebrating this festival only they start eating pumpkin leaves. Mali tribe also celebrates 'Gummadikotha' festival. A week earlier 'Nayudu' (Headman) assembles all the villagers and after consultation fixes auspicious day to celebrate the festival. Individual families celebrate this festival. On the day fixed their houses are plastered with cowdung. All the family members take oil bath. 'Bonam' (offering to the deity) is cooked with rice. Pumpkin curry is also prepared. The cooked 'Bonam' and pumpkin curry are placed on pumpkin leaf and offered to their ancestral spirits. A part of 'Bonam' and pumpkin curry is carried to the fields. In the field a stick tied with a piece of cloth is erected and a fowl sacrificed. From then onwards they can eat pumpkin and its products.

Korra-Sama-Kotha : The tribals of Visakhapatnam, Vizianagaram and Srikakulam districts celebrate this festival. 'Korra' and Sama' crops will be ready for harvesting in the months of July and August. 'Nayudu' (Headman) assembles all the villagers and decides the day for celebrating the festival at the suggestion of Disari' and collects some amount in order to meet the cost of the sacrificial animal. On that day 'Pujari' cooks food with Korra and Sama grains and take the food to the field of either Naidu or any field which is ready for harvesting along with goat, fowl, chodi powder, turmeric, vermilion and agarbathi. Pujari cleans one corner of the field plasters with cowdung, decorates with 'chodi' powder, turmeric and vermilion. He keeps the cooked food on the leaf plates and after chanting manthras he sacrifices the fowl and goat in the name of ancestral spirits for protecting the fields, people and animals from all diseases. Then the flesh of the animal is distributed among all the villagers.

The savaras of Srikakulam and Vizianagaram propitiate 'Hill diety' (Baru sonum) before harvesting 'Korralu'. It is the first crop that is ready for harvesting in the Podu fields. Individual families celebrate this festival. 'Disari' fixes an auspicious day for celebrating this festival. On the request of the head of the family 'Disari' and 'Kudan' cook 'Bonam' (ceremonial offering) with Korra grain and recite 'Manthras'. They sprinkle rice and allow the fowl to peck the rice. If it pecks, it is believed that the Baru-Sonum is pleased. The fowl is sacrificed and offerings served to the members of the family.

Jakari and Durga worship: Savaras and Jatapus of Sri kakulam and Vizianagaram districts propitiate Jakari and Durga deities to protect their standing crops from wild animals and to safeguard themselves. It is celebrated in the month of October.

The village head collects some money or grain from the villagers to purchase sacrificial animals and other offerings. The 'Disari' and 'Buyya' go to the out-skirts of the village with two knives representing the two dieties, Jakari and Durga, and plaster that place with cowdung and decorate that place with 'chodi' powder and turmeric powder. The two knives are placed before the diety and after chanting the manthras, they break coconut first and later sacrifice a buffalo and pig to Durga and Jakari respectively by Savaras and goat by Jatapus. The blood of the sacrificial animals is spilled on the knives as the deities are supposed to kill the wild animals which spoil

the standing crops with the knives. The 'Disari' and 'Buyya' share the heart of the animals sacrificed and the rest is distributed among all the families of the village.

Kandi Kotha: Before starting harvesting operations of red gram, most of the tribals of Visakhapatnam District celebrate this festival. 'Nayudu', the village Headman, assembles all the villagers and fixes the day by consulting 'Disari'. Donations to purchase goat and fowl are also collected. Mukma Devi, wife of Ganga Devudu is propitiated. On the day fixed for 'Puja', 'Pujari', goes to the deity, gives bath to the idol, plasters the floor with cow-dung and draws lines with 'chodi' powder. He offers jaggery plantains, and cooked food to the deity and decorates the idol with turmeric paste and vermillion. He burns agarbathi. Pujari chants 'manthras' and sacrifices the fowl and goat to the deity. The flesh of the fowl and goat is shared by all the villagers. It is a taboo to the villagers to eat red gram without celebrating this festival.

Savaras and Jatapus also celebrate 'Kandi Kotha' festival. It is the most important festival to these two communities. The festival is celebrated for two days. 'Disari' fixes an auspicious day to celebrate this festival. On the day the villagers collect some amount for the purchase of fowl, pig or goat and rice for feast. First day they assemble at the shrine of the 'Jakari' deity. 'Janni' gives bath to the deity, plasters the place with cowdung, draws lines with 'chodi' powder and decorates the deity with turmeric paste and vermillion. 'Bonam' is cooked and placed in adda plates along with sugar, 'Atukulu' (pressed rice) and 'Guggilam' (incense) before the deity. Rice is sprinkled on the floor. 'Disari' recites some hymns and allows the fowl to peck the rice. If the fowl pecks the rice, it is believed that 'Jakari Devatha' is pleased with their offerings. Savaras first sacrifice the fowl and foll-w it up with pig or

buffalo sacrifice whereas Jatapus offer goat sacrifice in place of pig or buffalo. They cook food and arrange feast to all the villagers at the shrine. The following day 'Kangalapanduga' is celebrataed. On this day also all the ritual practices of previous day are followed. A goat is offered as sacrifice to the deity. Next day onwards they start harvesting red gram crop. It is believed 'Jakaridevatha' will come in the form of tiger and eat cattle belonging to the villagers, if they do not celebrate this festival.

Beliefs: Sometimes the fowl offered for sacrifice before starting Podu operations does not peck the grain. The tribals of Visakhapatnam believe that they may be afflicted with disease if they cultivate that Podu land. Before sowing seed they are purified with the blood of fowl sacrificed to 'Nishan' deity. The soaking of seed with sacrificial blood is expected to fortify the seed with supernatural powers which help healthy germination. The tribals celebrate Kandi Kotha before harvesting of red gram. It is a taboo to eat red gram without first offering the newly harvested pulse to the deity. Savaras and Jathapus of Srikakulam and Vizianagaram district believe that if they fail to celebrate 'Kandikotha' festival, 'Jakari Devatha' will come in the shape of tiger and kill the cattle belonging to the villagers.

During 'Korra-Sama-Kotha' festival the tribals first offer the newly harvested grain to the ancestor spirits. It is believed that if they eat the Sama or Korra grains without celebrating this festival, they are sure to suffer from stomach-ache and ulcers. Similarly, it is a taboo to the tribals of Visakhapatnam District to eat pumpkin leaves, flowers and fruit without Gummadi Kotha or Kumda Parbu. The Konds of Visakhapatnam District believe that without the blessing of Jakari Penu they will not get bumper crops. So to please the deity 'Bicca Parbu' is celebrated before starting sowing operations in the Podu fields. During this festival, they dibble a few seeds in the ground before 'Jakari Penu'. At the time of dibbling the seed, they take care not to touch the earth with their nails as they believe that if the nails touch the earth, the crops will be stunted in growth. Further, Savaras and Jatapus propitiate both Jakari and Durga deities in the month of October to get protection for their standing crops from wild animals.

SOCIO-ECONOMIC CONDITIONS

A study was conducted by selecting a few villages in each I.T.D.A. with specific reference to podu cultivation. While selecting the villages care was taken to cover various tribal groups and examine their customs and practices in undertaking podu cultivation. The villages were selected taking into consideration, factors like accessibility and extent of dependance on Podu cultivation. The villages selected in each district and tribal groups studied are shown below:

S1. No.	District/ I.T.D.A.	Mandal	Village	Tribal groups
1.	Srikakulam/ Seethampeta	Seethampeta Kothuru	Seedhi Althi	Jatapu Savara
2.	Vizianagaram/ Parvathipuram	Gummalakshmipura Pachipenta Kurupam	am Gopalapuram Kondamusuru Thompalapadu	Savara Konda Dora Jatapu
3.	Visakhapatnam/ Paderu	Dumbriguda G.Madugula Chinthapalli Muchingputtu	Ballyaguda Chuttumitta Kommaronchula Gudamaliputtu	Khond Porja Gouda, Khond Malis Konda- Kammara Valmikis
4.	East Godavari/ Rampachoda- varam	Y.Ramavaram Y.Ramavaram Maredumilli	Boddagahdi Kanivada Chekkavada	Konda Reddy Konda Reddy Konda Reddy

Out of the 12 villages selected, 9 are located far away from the road point and 3 are relatively nearer. All tribal groups practising shifting cultivation were covered by the study.

Population:

Altogether 479 families with 2125 members of which the number of males is 1089 while that of females 1036 were studied. The average size of the family worked out to 4.4. The village-wise number of families studied and population is given hereunder:

 S.No.	District/		lo. of	Population		
	I.T.D.A		amilies	Male	Female	Total
 1.	Srikakulam/ Seethampeta	Seedhi Althi	71 23	196 35	135 36	331 71
2.	Vizianagaram/ Parvathipuram	Gopalapuram Kondamusuru Thompalapadu	15 24 27	43 56 59	29 52 63	72 108 122
3.	Visakhapatnam/ Paderu	Ballyaguda Chuttumitta Kommaronchula Gudamaliputtu	1 1	49 48 66 96	43 42 53 95	92 90 119 191
4.	East Godavari/ Rampachodavaram	Boddagandi Kanivada Chakkavada	31 104 73	74 208 159	73 236 179	147 444 338
			479	1089	1036	2125

Literacy:

The tribals who can read and write have been considered as literate persons. Out of the total population of 2125, the number of literates is 131, constituting 6.16% to the total population. The details of literates in the selected villages are presented below:-

 51. No.	District/ I.T.D.A.			No. of literates	% of literates
1	Srikakulam/ Seethampeta	Seedhi Althi	331 71	16 6	4.8 8.4
2.	Vizianagaram/ Parvathipuram	Gopalapuram Kondamusuru Thompalapadu	72 108 122	6 Níl 16	8.3 Nil 13.1
3.	Visakhapatnam/ Paderu	Ballyaguda Chuttumitta Kommaronchul Gudamaliputt		4 11 7 3	4.3 12.2 5.8 1.5
4.	East Godavari/ Rampachodavaram	Boddagandi Kanivada Chakkavada	147 444 338	18 16 28	12.2 3.6 8.28
			2125	131	6.16

The basic facilities available to these villages like housing, drinking water, irrigation, communication, education, medical and health, banking, marketing, electricity etc., are given in the Annexure - VII.

Assessment of the economic situation with statistical tools in a primitive society is apriori a difficult task. The 12 villages selected for study with differing ethnic composition lying in varying agro-climatic zones presents a variegated picture but have one feature in common and that is the practice of 'Podu' cultivation.The position is briefly summarised as follows:-

Economic Status & Occupational Pattern:

The economic status of tribals in the surveyed families in sample village is presented in Annexure- VIII. The total population

of the 12 villages studied is 2125, of which 1260 members are earners who consitute 59.29%.Non-earners are 865 constituting 40.71% to total population. Children and aged persons are categorised as dependents (non-earners). In tribal areas, woman does as much work as man if not more, she participates in agricultural operations, collection of Minor Forest Produce and also takes part in the non-agricultural labour activity besides attending household chores, child rearing etc., therefore, the female population excluding the aged and children is included in the category of earners.

Agriculture either shifting or settled, especially the former and Agricultural labour constitute the main occupation of tribals.Collection of Minor forest Produce, forest labour etc., are subsidiary occupations. The analysis of occupational pattern shows that 95.7% of the tribals are engaged in Agriculture and the remaining 4.3% are depending on non-agricultural activity. 142 families (29.7%) are solely dependent on Podu cultivation,24 families (5.1%) depend solely on settled cultivation while the rest of 292 families (60.9%) are practising both Podu and settled cultivation. With regard to 21 landless families, it is found that they are depending on either Agriculture labour, construction labour or other-wise employed Annexure - IX.

Land Holdings:

In the 12 villages studied the total extent of land in possession of tribals is 990.77 hect., which includes dry, wet and Podu lands. Out of 479 surveyed families, 458 families are having land holdings (95.60%) and 21 families are landless which constitutes 4.40%.Out of 990.777 hect., 386.972 hect. is dry land (39.05%). 62.305 hect., is wet land (6.29%) and 541.50 hect. is Podu land (54.65%).Out of 990.777 hect. of total land, 440.295 hect. is 'patta' land and 550.482 hect. of land is in possession of tribals without 'patta' and percentage of

patta and non-patta lands comes to 44.43 and 55.57 respectively. The average size of settled cultivation land holding per family works out to 2.16 hect. whereas the Podu land is 1.25 hect.both under cultivation (0.951 hect.) and abandoned (0.299 hect.).

The average size of land holding per family is large in Gudamaliputtu village of Visakhapatnam district followed by Gopalapuram village of Vizianagaram district. In case of Gudamaliputtu, the average size of land is 4.190 hect. per family and 3.336 hect. in Gopalapuram. The average size of land is very small (1.291 hect.) in Althi village of Srikakulam district followed by Chuttumitta and Ballyaguda villages of Visakhapatnam district. The land holdings and distribution of land among the villages surveyed is presented in Annexure-V. It indicates that large part of the land is under Podu cultivation (541.50 hect. out of total extent of 990.777 hect.)followed by dry cultivation while only a small portion is under wet cultivation. The extent of Podu land without patta is 425.060 hect. far exceeds the Podu land with patta 116.437 hect.

The details presented in Annexure-IV pertain to extent of Podu land available in 12 sample villages. The total Podu land available is 541.50 hect. owned by 434 families, of which 294.65 hect of Podu land is under cultivation, 119.03 hect. of land is under plantations and remaining 127.82 hect. is abandoned (54.42% of Podu is under cultivation, 21.98% is under plantation and 23.60% is abandoned Podu). The average size of Podu land in Gopalapuram is large i.e.2.43 hect. per family followed by Kondamusuru of Vizianagaram district and Seedhi village of Srikakulam district. The distribution of Podu lands in sample villages of Vizianagarm district is large when compared with other villages surveyed in the proposed project area. The distribution of tribal families by the size of Podu holding is presented in Annexure X. Out of 434 families having Podu lands, 113 families are possessing podu land below 1 acre (0.405 hect.),125 families between 1.1 - 2 acres (0.046 - 0.81 hect.),57 families own Podu land between 2.1 to 3 acres, (0.82 - 1.21 hect.) 46 families own 3.1 to 4 acres (1.22 to 1.619 hect) and an equal number of families are possessing Podu land between 4.1 to 5 acres (1.620 - 2.024 hect) while the remaining 47 families own above 5.0 acres (2.024 hect). The classification of Podu holdings reveal that more than 50% of the families are having podu holdings below two acres.

Podu land holdings can be classified into 6 categories:(1)Those within the reserve forest under cultivation, (2) those within the reserve forest but abandoned, the podu fields lying out side Reserve forest can also be classified as (3) those with patta and under cultivation, (4) those with patta but abandoned (5) those without patta under cultivation and (6) those without patta but abandoned. There is likelihood of overlap between categories (1+2) and (5+6).

Wage rates in the tribal areas are very low in comparison to the plains area. The wages prevailing in selected villages range from Rs.3/- to Rs.10/- depending on demand for agricultural work. Some times, the wages are also paid in kind. Suppose if a person is engaged in harvesting the crops, she/he will be paid 2 to 3 'kuncham' (local measure) of grain for the work attended in a day. However, the pattern of wage rates in Podu cultivation is furnished below:

	Male (Rs. per day)	Female (Rs. per day)		
Digging	Rs.3.00 to Rs.10.00	Rs. 2.50 to Rs. 8.00		
Weeding	Rs.3.00 to Rs. 5.00	Rs. 2.50 to Rs. 5.00		
Harvesting	1 'kuncham' of grain	1 'kuncham' of grain		

The value of family labour is only imputed market wage rate. Payments are made either in cash on in kind or both. Sometimes midday meal is given. Method of payment varies depending on the type of operation. However, the 'Podu' operations are mostly under taken on mutual help and exchange labour basis, the host invariably giving food and one or two measures of harvested grain.

In the 12 surveyed villages, it is found that in 8 villages of Visakhapatnam, Vizianagaram, Srikakulam and East Godavari districts, wet land is available. The irrigation sources are basically hill The extent of wet land is 62.307 hectares. Actually in streams. some villages, as per revenue records, there is no classified wet land, but during rainy seasons, the tribals divert the stream water by constructing checkdams and cultivate paddy. It is considered as wet land cultivation. The tribals are raising two crops, where irrigation facility is available and in some cases they are raising only The availability of wet land is very less in tribal one crop. villages and the percentage works out to 6.2 to the total land of the villages. There is no wet land in Chuttumitta and Kommeronchula villages of Visakhapatnam district, Boddagandi and Chakkavada villages of East Godavari district. The large portion of wet land i.e., 17.71 hectares is available in Gudamaliputtu of Visakhapatnam district followed by Tompalapadu in Vizianagaram district and Althi of Srikakulam district.

Annual Costs & Returns:

Under wet land cultivation, preparation of land starts with ploughing. It is undertaken twice or thrice in transverse directions and the number of ploughings varies depending upon the nature of soil and the type of crop that is to be grown in the land. In the case of wet land where paddy is grown, ploughing is done 3 to 4 times. After preparation of land, they sow the paddy and apply farmyard manure. In recent times, the tribals are encouraged to use high yielding variety seeds in limited areas of surveyed families. The tribals of this area undertake weeding two to three times in paddy. Since the preparation of land starts from July, by the end of December harvesting of paddy is completed and threshing by the end of January.

The input cost is obviously higher in case farming oſ wet followed by dry and podu. The cost of wet land cultivation in the surveyed villages ranges from Rs.432 per hectare to Rs.864 depending upon cost of labour. It includes family labour, hired labour, seeds, fertilizers etc. The yield per acre on an average is 10 guintals. In surveyed villages, the total output value from 62.307 hectares comes to Rs.0.1749 Million and output value per hectare works out to Rs.2807.58/-. The gross value of the output is calculated with reference to the sale price prevailing in the market. The value of by product is included in the gross value. The cost of wet cultivation in Ballyagude of Visakhapatnam district and Seedhi of Srikakulam district is comparatively higher when compared to other villages. This is due to use of chemical fertilizers and high wage rates. The average net output value per hectare works out to Rs.2186.00. The

highest net value derived per hectare is Rs.2593/- in Seedhi village of Srikakulam district and lowest net output value is Rs.1939/ in Kanivada of East Godavari district (Annexure XI).

Sama, Chodi, Jonna, Vooda, Horsegram, Niger, Castor etc., are grown in dry land in the sample villages. (Annexure XII), out of 12 villages surveyed, only in 10 villages, dry land farming is practised. In Ballyaguda village and Chuttumitta village of Visakhapatnam district there is no dry land and total dry land under cultivation in villages comes to 379.70 hectares. The percentage of dry these 10 land with reference to total land comes to 38.32% Large extent of drv land is available in Gudamaliputtu village (92.21 hectares) of Visakhapatnam district and its percentage is 24.34 followed by Chekkavada of East Godavari district where the dry land cultivation is also proportionately higher. The cost of cultivation per hectare in dry land varies from Rs. 296.40 to Rs. 679, 25 depending on the usage of fertilizers. The total output value of various dry cultivation drops grown on 379.70 hectares comes to Rs.0.7949 Million and output value Rs. per hectare works out to 2093.82. The input value per hectare is Rs.428.30 and net output value per hectare works out to Rs.1665.77 in the surveyed villages.

Large extent of Podu land is under cultivation in Kanivada village of East godavari district followed by Seedhi village and very small extent of Podu land is available in Chuttumitta village of Visakhapatnam district. In podu lands, the tribals raise crops like 'Kandi', Sama, 'Korra','Jûnna', 'Ganti' etc. In some villages, they are raising Kandi (Redgram) in the 1st year and mixed crops in subsequent years and whereas in some

areas they are raising mixed crops from the first year itself. The cost of cultivation per hectare ranges from Rs.370.50/- to 738.50/in the surveyed villages. The average cost of cultivation in Podu lands comes to Rs.484.98/- per hectare. The gross output value in 294.652 hectares of Podu lands is Rs.0.4878 millions and the rate of output value per hectare works out to Rs.1655.64 and net output value on Podu lands is Rs.1170.66 per hectare (Annexure-XIII).

A comparative analysis of incomes from the 3 types of farming i.e. wet, dry and podu indicates that there is a significant difference in the levels of net incomes. Wet farming generates more income than dry and podu farming. In the present study, the average net value returns from the three types of cultivations are wet land Rs.2186.00, dry land Rs.1665.77/- and podu land Rs.1170.66.

Income & Expenditure:

The annual incomes derived from different sources are presented It indicates that major source of income is. in Annexure - XIV. Agriculture, followed by Agricultural labour. The gross value of the income from land is calulated by adopting the prices prevailing in the local markets. The total income of 479 families is Rs.1.944 Millions of which Rs.1.468 Millions is only from Agriculture (gross value of the Agricultural produce), which constitute 75.48% of the total income. The earnings from agriculture labour is Rs.0.186 millions constituting 9.57% to total income. Income is also derived Produce collected and forest from the sale of Minor Forest/labour which constitutes 4.95% to the total income. The income derived through live stock constitutes 3.28% of the total income. The source-wise average income for a tribal family is presented hereunder:

Sl. No.	Source	Amount Rs.	Percentage
1.	Agriculture	3064.40	75.48
2.	Agriculture labour	388.41	9.57
3.	Non-Agriculture labour	70.58	1.74
4.	Collection of M.F.P	159.07	3.92
5.	Forest labour	41.75	1.03
6.	Live stock	133.00	3.28
7.	Employment (Service)	60.00	1.48
8.	Others	142.17	3.50
	Total :	4059.38	100.00

The average income per family works out to Rs.4059.38. Of all the selected villages, the highest average income (Rs.5,680) is noticed in Gudamaliputtu village of Visakhapatnam district as the holding size is more. The inhabitants (Malis) are good horticulturists and are raising hybrid varieties of vegetable.

The total expenditure of the 479 families is Rs.2.073 Millions (Annexure - XV) which is more than the annual income of the surveyed families. The average expenditure of the family is Rs.4,327 Major amount was incurred for consumption of food.Out of total expenditure of Rs.2.073 Millions, Rs.1.123 Millions was incurred towards food and the percentage works out to 54.22. An amount of Rs.0.148 Millions was incurred towards clothes. Considerable amount was incurred on consumption of liquor. However, the item-wise expenditure per family is presented below:

Sl No.	Item	Expenditure	Percentage
1.	Food	2,346.34	54.22
2.	Clothes	310.00	7.16
3.	Education	3.34	0.08
4.	Festivals and ceremonies	269.44	6.23
5.	Household equipments	144.10	3.33
6.	Fuel and lighting	122.56	2.83
7.	Travelling	28.33	0.65
8.	House repairs	89.86	2.08
9.	Cultivation expenses	481.60	11.12
10.	Liquor	411.61	9.50
11.	Others	121.00	2.80
	Total:	4,327.18	100.00

The preceding discussion on the income and expenditure pattern gives an idea of the standard of living of tribals in the surveyed villages.

The average annual income of the surveyed families is Rs.4059 per family and expenditure is Rs.4,327. All the tribal families incur expenditure over and above their income.

Indebtedness:

In the villages selected for survey, the data on indebtedness from different sources is collected by canvassing household schedules and presented in Annexure XVI. It reveals that out of 479 families surveyed in 12 villages, 103 families have obtained loans either from Bank, Corporation or non-tribals or fellow tribals. The percentage of indebted families works out to 21.50. It is observed that some of the tribals are not revealing the debts. 38 tribal families borrowed to an extent of Rs.68,540/- from Banks and repayment was to the tune of Rs.21,300/- and the percentage of repayment to banks comes to 31.07. The share of amount borrowed from non-tribals is Rs.30,670/-(26.91%) and the repayment was Rs.900/- only. The average debt. amount per family works out to Rs.1107/-. High rate of indebtedness is prevailing in Gudamaliputtu followed by Ballyaguda village of Visakhapatnam District. In Boddagandi and Chakkavada villages of East Godavari District, the tribal group inhabiting is Konda Reddi. It is revealed that they never go in for huge amount of loans and generally borrow from other tribals and is repaid immediately.

It is informed during the survey that non-tribal traders visit the tribal villages at harvest time and advance loans to the tribals on a condition that the produce should be sold to him at an agreed rate. For example if the prevailing market rate of red gram is Rs.15/ per 'Kuncham' (a unit of 3 Kgs.), the showcar offers Rs.6/- to 7/-. At the time of harvesting, the showcar comes to the village and collects the produce. The Savaras of Gopalapuram informed that they will go to non-tribal showcar of Gummlaxmipuram, a nearby town for this purpose. The Khonds of Ballyaguda village (Visakhapatnam district) told that the showcars of Dharmavaram (Vizianagaram Dist.) are advancing loans to the tribals while the crop is in progress. Here also the tribal has to sell the produce to the same showcar at an agreed rate.

Assets:

Assets include cultivable land owned by each household, house, cattle sheds, agricultural implements, household furniture,livestock, household utensils and ornaments. (Annexure - XVII). The household equipment of a tribal family include cot, wooden or trunk boxes and cooking vessels. The assessment of the value of the assets particularly the land and household property in the tribal areas is very difficult as in these areas the scope for sale and purchase transactions of immovable properties are rare and infrequent. However, the assessment of assets was made by interviewing the knowledgeable persons. The total value of the assets in 12 sample villages comes to Rs. 9.105 millions of which major value is derived from land only, followed by housing and live stock respectively. The average asset value per family comes to Rs.19,009/-.

PART II

CHAPTER V

TRIBAL DEVELOPMENT POLICY

During the British era, neither specific measures were adopted for the welfare of the tribals nor sound policy evolved for development. Infact, many struggles were waged by the tribals against the non-tribal exploiters. And in every one of them, the tribals were routed and the exploiters triumphed with the active assistance of the aliens. Describing the impact of British rule on tribes in India, J.H. Hutton* of had rightly pointed out that "Far from being/immediate benefit to the primitive tribes, the establishment of British rule in India did most of them much harm than good." The Census of India 1951 reports that "there is even difference as regards the origin of the degradation and the backwardness of the tribes. But it appears that the initial inroad on the integrity of the tribal life was made by the advent of British The British methods of collection of revenue and the maintenance rule. of law and order directly resulted in the loss of the tribal authority of the tribal elders and the break-up of the tribal solidarity. This automatically brought revolution in the nature of contact between the men of the plains and of the hills. This feature is mere corollary of the breaking of sanctity of the tribal life originating from the British occupation of the land."

The policy of isolation adopted for tribal areas by the British administration resulted in narrowing world view of the tribal

 ^{*} J.H. Hutton, I.C.S., as quoted in the Report of the Scheduled Areas and Scheduled Tribes Commission, 1960-61

bec.use of the closed situation and on the whole the tribal population remained outside the purview of modern civilization. To mitigate the long lasting deprivation of the tribals and to bring them into the mainstream of national life, planned development has been initiated for the promotion of tribal welfare after independence. The Government policies and programmes for the development of tribals have been revamped from time to time to suit the tribal way of life.

The late Prime Minister Jawaharlal Nehru said that the greatest problem is the development of synthesis, that is, how best to bring the blessings and advantages of modern science and technology without destroying the rare and precious values of Tribal life, not interfering with their ways of life but helping them to live it". Pandit Nehru's views on tribal development were as follows:

- People should develop along lines of their own genius and we should avoid imposing anything on them.
- 2) Tribal right in land and forest should be protect_d.
- 3) We should try to train and build up a team of their own people to do the work of administration and developmen.
- 4) We should not over-administer these areas or overwhelm them with a multiplicity of schemes. We shouldrather work through and not in rivalry to their own social and cultural institutions.
- 5) We should judge the results not by statistics or the amount of money spent, but by the quality of human life that is evolved.

In tune with the spirit of the constitution, varying strategies of development to meet the tribal situation have been evolved and executed from one plan period to another. The development of Scheduled Tribes in the States has been set out to attain economic self sufficiency and removal of poverty.

During the I Five Year Plan, the policy of tribal development has been clearly enunciated. During II Five Year Plan, "project approach" was first initiated by establishing four multipurpose projects in are.s of Tribal concentration in Andhra Pradesh. Based on the successful experiences of the II Plan more tribal areas and larger tribal population were brought under intensive development by opening 20 Tribal Development Blocks besides converting the existing 4 Multipurpose Projects into Tribal Development Blocks during III Plan. The programme implementation in these 20 Tribal Development Blocks was intensified during IV Five Year Plan. The Naxalite movement in tribal areas had an impact on the policy making for Tribal development during the IV Plan period. Consequently, conspicuous emphasis was laid on "the common man, the weaker section and unprivileged" so that "the planning should result in greater equality in income and wealth and that the benefits of developmen. should accrue more and more to the relatively less previleged classes of society". Hence, the plan has initiated special programmes like S.F.D.A., Tribal development projects, forestry schemes, crash schemes for rural development.

A broad strategy for tribal development was evolved during V Five Year Plan. The Planning Commission decided that a Sub-Plan should be drawn up for areas of tribal concentration in order that "all activities of Government and Semi-Government Organisations, financing and Credit Institutions and special sectoral programmes may be fully integrated". Accordingly, a total picture of the development of the region is presented.

In Andhra Pradesh, areas of tribal concentration were identified by including all Scheduled villages, all Tribal Development Block villages and all villages with tribal concentration lying in contiguity with Scheduled and Tribal Development Block areas. These tribal concentrated areas are now known as "Sub-Plan areas", which are distributed in Srikakulam, Vizianagaram, Visakhapatnam, East Godavari, West Godavari,Khammam Warangal and Adilabad districts covering 7,078 villages.

The concept of Sub-Plan was introduced in V Plan, wherein the emphasis was laid not only on developmental activities but also on protection. The approach adopted was area based along with the focus on the Scheduled Tribe population. This concept was evolved after a thorough review both at national and State levels of the tribal development situation as it prevailed at the end of IV Plan, which showed that the tribals lagged behind in their level of development compared to the general population in plains areas. Inadequacy of investment on development of these areas and people was identified as the main reason. Upto the end of the IV Plan, the burden of tribal development was placed on Tribal welfare sector alone for which the allocations made were too low to have impact of any kind.

An "Integrated Development Approach" was followed during V Five Year Plan with two broad objectives viz., (i) bridging the gaps in levels of development and (ii) ensuring quality of life. To achieve these twin goals, it was considered necessary to provide the main thrust of finances from the funds of general sector departments. Backwardness or as measured in terms of the gaps in development between tribal areas and plains areas

should be quantified sector-wise and the quantum of levels of investment be determined with reference to the gap to be filled in each of the development activities.

For the first time, the role of general sector departments in tribal development was thus defined and their outlays for sub-plan have been quantified. The special central assistance was given to the state to supplement the State Plan programmes. The role of institutional finance was also defined and certain centrally sponsored programmes were also initiated. The sources of finance for Sub-Plan are as given below:-

- 1) State Plan Tribal Welfare.
- 2) General Sector.
- 3) Special Central ASsistance.
- 4) Central and Centrally Sponsored Schemes.
- 5) Institutional Finance.

During the VI Five Year Plan, while continuing the Integrated Tribal Development Agencies (I.T.D.As.), special programme benefits were extended to 5 more Primitive Tribal Groups making a total of 8 such groups. A new strategy has been introduced for the benefit of tribals living outside the Sub-Plan area in pockets of concentration in plain areas. This is called Modified Area Development Approach (M.A.D.A.). The objectives during VI Plan period as set out in the report of the Working Group on Tribal Development are as follows:

- A. Raising the productivity levels in the fields of Agriculture Horticulture, Animal Husbandry, Forestry etc. to create adequate impact to enable 50% of tribal families to cross the poverty line.
- B. Emphasis on education.

C. Creation of adequate infrastructure.

D. Elimination of Exploitation.

During VI Plan tribal populations are categorized for affording programmes of development suited to the geo-ethnic situation of each category as follows:

- (i) Those living in areas of tribal concentration, both in the scheduled and contiguous non-scheduled areas identified as Sub-Plan area covered by 8 I.T.D.As. with a population of 1.357 millions.
- (ii) Those living in small pockets of tribal concentration (outside the Sub-Plan area) identified for implementation of 38 M.A.D.A.
 Pockets with the population of 0.332 millions.
- (iii) The 8 Tribes that have been identified as Primitive Tribal Groups because they are at pre-agricultural level of technology with a very low level of literacy etc. and found living in the Sub-Plan area and outside with a population of 0.246 millions.
 - (iv) Dispersed tribal population of 1.271 million living in symbiosis with the rural population.

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In this connection, it m_y be pointed out that in the case of last category of tribal population mentioned above, no particular scheme of infrastructural development for aiding tribal development is feasible. In this situation, tribal development has to be restricted to mostly family based schemes sustained in the matrix of general infrastructure.

Plan outlays over the plan periods are given in the following

table:

(Rupees in millions)

Plan period	State as a whole	Tribal Welfare/ Sub-Plan	Percentage to State Plan
I Five Year Plan	967.8	11.4	1.17
II Five Year Plan	1886.0	25.0	1.33
II Five Year Plan	3524.2	17.9	0.50
IV Five Year Plan	4488.7	97.8	2.18
V Five Year Plan	14411.2	455.0	3.16
VI Five Year Plan	38628.9	1402.7	3.63

With the introduction of Sub-Plan since V Five Year Plan, large allocations have been made for Tribal development. An amount of Rs.455.0 millions and 1402.7 millions was spent in V and VI Five Year Plans.

Level of Development:

Tribal development has received considerable attention and there has been a substantial increase in investment with succeeding Plan formulation. The per capita investmens in different plan periods is as follows:

	Pl.n per		Per capita investment
			Rs.
I	Five Year	Plan	15.05
II	Five Year	Plan	18.89
III	Five Year	Plan	13.56
IV	Five Year	Plan	45.60
v	Five Year	Plan	386.89
VI	Five Year	Plan	560.45
VII	Five Year (Proposed	Plan Allocation)	1,743.00
	(11050000		

The per capita investment since I Plan rose from a meagre Rs.15.05 to 560.45 in the VI Five Year Plan which is proposed to be raised to Rs. 1,743.00 during VII Five Year Plan. Inspite of the policies and programmes so far adopted and implemented, the task of economic development of Scheduled Tribes is yet to be tackled effectively.

Though there is an apparent change in the life style of the tribals, yet the quality of life has not improved perceptibly. Despite infrastructural development in economic and social service sectors, the physical and human resources development remained untapped. The factors leading to such a situation vary.

The approaches and strategies did not bring about the desired results to bridge the gulf between the development of tribal

and non-tribal areas and the quality of life of tribals is not improved as evident from the following table:

		Levels of Development at the end of VI Plan		
5.N	o. Item	Tribal area	State as a whole	
	Literacy(%)	7.83	29.94	
•	Length of roads (per 1000 Sq.Kms. area)	75.79 Kms.	120.76 Kms.	
s.	Villages electrified (%)	23.00	90.00	
	Hospitals - bed strength (per 1,00,000 population)	32.00 (Nos.)	55.00	
5.	Irrigated area to net area sown (१)	25.29	41.29	
	Rural Water Supply (% of population covered)	30.00	75.00	
	Gross value of output of food grains per head of rural population (Rs.)	139.70	600.00	
3.	Gross value of output of non-food grains per head of rural population (Rs.)	71.24	564.00	
).	Average milk yield per milch animal	0.5 Ltrs.	2.5 Ltrs.	

VII FIVE YEAR PLAN:

The strategy of development during VII Five Year Plan is to create durable assets to Scheduled Tribes which can generate continued income to live above poverty line. We have, therefore, proposed a two pronged programme of creating durable assets and protecting them from exploitation, the de_ails of which are as follows:

- Under poverty line programme, assistance upto Rs. 10,000/- per family is provided as the earlier average assistance of Rs. 1600/per family did not yield satisfactory results.
- (ii) Horticulture, Coffee plantation, Sericulture and Social forestry are taken up in an integrated manner and each family is provided with one hectare of land as owner participant besides subsistance allowance during the lean months.
- (iii) Special Programmes are initiated to rehabilitate 'PODU' cultivators.
- (iv) To wean the tribals from extremists, a "Compact Area Programme" for Khammam district tribal areas is sanctioned. Special Programmes to help tribals displaced by irrigation projects, wild life sanctuaries and mining projects are under formulation. Special schemes to help tribal women besides improving tribal crafts are also being prepared.
- (v) Buildings for educational institutions and residential accommodation for staff are being provided.
- (vi) 100% enrolment of Scheduled Tribe children in schools and priority for adult education proprogrammes in tribal areas is to be ensured.
 (vii) Provision of required economic and social infrastructure is envisaged.
 (viii) Effective implementation of protective regulations to eliminate the the forces of exploitation is being ensured.

During VII Five Year Plan as against the tribal sub-plan outlay of Rs. 5584.0 millions an amount of Rs. 1810.4 millions was spent till the end of 1987-88. The source wise allocation for the VII plan period and expenditure details for 1985-86 to 1987-88 are as follows :

(Rupees	in	Millic	i enc
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Source	VII PLAN		Expenditure			
	ALLOCATION	1985-86	1986-87	1987-88	Total	
State Plan	2506.00	274.1	375.7	555.4	1205.2	
Special Central Assistance	1350.00	77.3	97.3	119.0	293.6	
Central Spon- sored Schemes	378.00	68.3	93.6	81.1	243.0	
Institutional Finance	1350.00	20.9	23.4	24.3	68.6	
Total	5584.00	440.6	590.0	779.8	1810.4	

The important achievements under various sectors so far as general sector is concerned are as follows:-

I. Agriculture and allied Sectors.

a) Strengthening of Agricultural Research Station at Chintapally, I.T.D.A., Paderu, Visakhapatnam.

b) Starting of new fruit Research Station at Maredumilli, I.T.D.A, Rampachodavaram, East Godavari.

c) Sub centres for Horticulture development at I.T.D.A., Seethampeta, Srikakulam.

d) Research Station for Horticulture in I.T.D.A., Paloncha, Khammam.

e) No. of Minor Irrigation Sources constructed is 48.

f) Extent of area brought under Horticulture is 10,059 Hectares.

g) No. of Oil engines and electric motors supplied is 4147.

h) No. of Lift Irrigation Sources developed is 38.

i) Development of Rural Livestock units at Mandal Headquarters.

j) Development of Market Yards at Indervally, Utnoor, I.T.D.A.

Adilabad and Paderu, Visakhapatnam.

II. Electrification :

- a) Electrification of 1342 Nos.of tribal villages.
- b) Release of Agricultural and other services to 13,020 Nos.

III. Roads :

a) Length of Roads constructed is 52-60 Kms. with an expenditure

of Rs. 3.623 Millions of Special Central Assistance.

IV. Education :

- a) Opening of 2090 single teacher schools to cover all the schoolless habitations.
- b) Upgradation of 90 Primary Schools.
- c) Upgradation of 30 Upper Primary Schools into High Schools
- d) Establishment of 2 Teacher Training Centres at Marlavai and Araku.
- e) Opening of 10 Residential Schools.
- f) Opening of 3 Residential Junior Colleges at Utnoor, Bhadrachalam and Chintapalli.
- g) Sanction of staff for supervising the schools.
- h) Opening of 2 Polytechnics at Bhadrachalam and Srisailam and 6 ITIs.

V. Medical and Health :

- a) Opening of 43 Homoeopathy and Ayurvedic dispensaries.
- b) Commissioning of 10 New Mobile Medical Units and strengthening of the existing 24 units.

VI. Housing :

a) 77,000 houses constructed for Scheduled Tribes under the Weaker Sections Housing Programme.

VII. Infrastructure :

a) Construction of 30 Type-I Quarters, 62 Type-II Quarters and
 130 Type-III Quarters and 17 Link Roads.

In Sub-Plan area, wide range of programmes both land based and others like industries, services and business ventures are under implementation. By and large the programmes are beneficial, but the investment is far below the desired level. Besides the provision of huge investment, people participation has to be ensured right from the Plan formulation stage to the grounding of the schemes. At the Plan formulation stage, there is no formal arrangement to associate representatives of the beneficiary group. However, tribal M.L.As and Members of Parliament and Mandal Praja Parishad Presidents as members of Governing Bodies of I.T.D.As are associated in Plan proposals. AT the level of execution, however, the beneficiary participation is fully ensured both by way of cash contribution and contribution in kind of labour and supervision wherever it is possible.

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Chapter VI

OBJECTIVES AND STRATEGY

It has been recognised that group specific and region specific development has to be given due place in planning for the development of tribals. Appropriate priority was not accorded in the planning strategies to the task of mitigating the adverse impact of certain specific geo-ethnic factors which have stiffled growth. Such an appro ch would have paved the way for optimal tapping of the potential. The major challenge on hand today is to devise solution to problems drising out of such specific situations so as to prevent destruction of nature and maintain ecological equilibrium.

It is time now to adopt group and problem specific approach to prevent deforestation and shifting cultivation while encouraging afforestation, horticulture and other plantations besides undertaking soil conservation measures and develop infrastructure facilities like Communication and make social services like education, health, etc. reach the fartheste corners and neglected groups. More than 80% of the and small farmers and marginal are tribal cultivators and are holdings small operate they placed at the lower rungs of the economic order. The economic level of the tribal cultivators who practise Podu cultivation is still lower than that of the marginal and small farmers. Consequently, it calls for a comprehensive development approach.

In the existing socio-economic conditions of the shifting cultivator, the project is to help develop the entire tribal family not only by assisting it in alternate land use to improve economic and ecological conditions but also to reduce illiteracy, malnutrition and disease

in the family as a whole with special focus on women and children. The endeavour would be to improve the quality of life, provide clean drinking water within reasonable reach, adequate housing with house type design of his choice with local material and activate the existing net-work of educational and health institutions not only to improve the coverage on the project area but also to re-orient these institutions to the felt needs of the tribals. The single teacher schools, apart from ensuring 100% enrolment in the age group 5-9, shall also take up adult literacy and non-formal education programmes. Anganwadi workers besides their daily chores of nutrition programme, pre-school training and health education would also help improve the literacy of tribal women. The use and propagation of scientifically established medicidnal herbs will be encouraged and expanded.

Before dealing with the problem, it will be useful to assess the 'Podu' cultivation from the expert point of view. The former Inspector General of Forests, Government of India, Sri. M.D. Chaturvedi* made an investigation into the forestry problems in Assam and concluded that "the notion widely held that shifting cultivation is responsible for large scale soil erosion needs to be effectively dispelled. The correct approach to the problem of shifting cultivation lies in accepting it/as a necessary evil, but recognising it as a way of life not condemning it as an evil practice, but regarding it as an agricultural practice, evolved as a reflex to the physiographical character of the land". Another expert of Planning Commission Sri. M.S. Sivaraman,

of the Planning Commission, opined that advisor then the it is a mistake to assume that 'Jhuming' (the word used in Assam for shifting cultivation) in itself is unscientific land use. Actually it is a practical approach to certain inherent difficulties in preparing a proper seedbed on steep slopes where any disturbance of surface by hoeing or ploughing will result *Elwin Verrier, Report of the Committee on Special Multipurpose Blocks,

1960 page 48 & 49. 4

in washing away of the fertile top soil. Seeds are dibbled ahead of the onset of monsoon so that these may not be washed away and this produces a light cover of protective vegetation which reduces the erosion of the soil when the heavy rains begin. Another authority, the Director of Soil Conservation in the Belgian Cango for the F.A.O. concludes after a thorough study that "shifting cultivation in the Belgian Cango is not today necessarily unsuitable type of agriculture but rather as regarded as the inevitable out growth of various particular local factors". Verrier Elwin, while discussing the problem of shifting cultivation emphasizes that the important thing is to develop shifting cultivation on a scientific basis which will limit its disadvantages and promote the fertility of the soil. At different times, different suggestions have been made for solving the problem of shifting cultivation. In Andhra Pradesh also a programme of action has been drawn up for rehabilitation of Podu cultivators and it is being implemented. The approach broadly is to wean away the tribal from undesirable practices associated with 'Podu' through encouraging adoption of a package of selected agricultural practices to improve productivity.

The Planning Commission has emphasised the need for integrated development on a watershed basis which can be adopted with advantage especially for Podu cultivators.

The following specific objectives are set out for this project: 1. To wean away the tribal from the wasteful practice of shifting cultivation and to make him a self supporting sedantary cultivator.

2. To improve the productivity of the settled agricultural land held by shifting cultivators in the valleys so as to reduce their dependance

on shifting cultivation for livelihood by providing irrigation facility and a package of selected agricultural practices.

3. To take up a scientific and massive programme of afforestation on hill slopes, etc., outside reserve forest in order to achieve the twin objectives of improving the economic conditions of the tribals and restoration of ecological equilibrium. The species mix will be pragmatic and such that it would provide cash incomes to tribals, meet their domestic requirements and provide minor forest produce species and reduce monoculture.

4. To evolve an effective marketing programme with total involvement of the tribals to prevent exploitation, help in primary processing and value addition by providing an assured institutional support price arrangement. Primary processing would be achieved by adoption of appropriate technology - a technology that would not militate against tribal ethos and stage of development that may not reduce the tribal to the state of a wage-earner.

In the light of the objectives envisaged above the following programmes are proposed with a ten year perspective for the rehabilitation of Podu cultivators.

1. Optimal Land and water resource utilisation and soil conservation programme to safeguard soil fertility and to improve the productivity of

land.

2. Propogation of appropriate food and commercial crops mix.

3. Social Forestry programme with emphasis on Minor Forest Produce plantations in order to provide sustained income to tribal while restoring green cover.

4. Promotion of Horticulture and fuel wood plantation so as to ensure economic returns.

5. H.R.D. Programme with specific reference to development of the skills of tribal men and women.

6. Improvement of supporting infrastructural services and facilities for the healthy growth of economic activity.

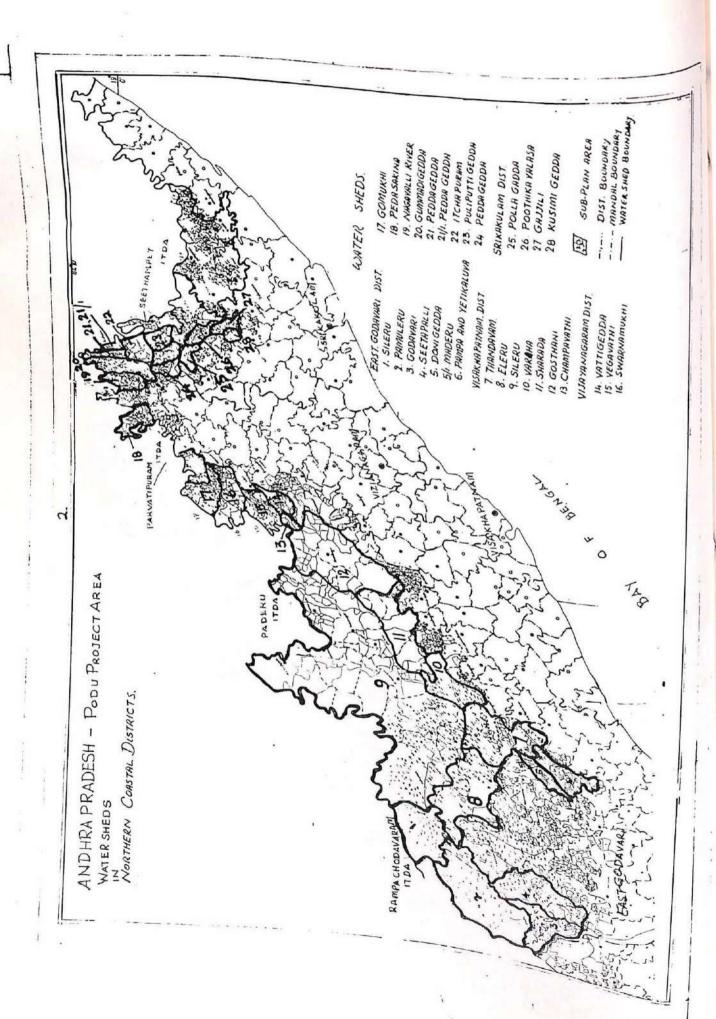
7. Evolving a suitable marketing mechanism to reduce exploitation and ensure fair price.

8. Building up effective delivery system upto village level for the smooth flow of development benefits.

9. Ensuring tribal participation in management of development programmes.

In order to achieve the objectives of the project, a comprehensive strategy is evolved and adopted. Initially identification of Podu areas and families on water shed basis was undertaken to assess the extent of Podu in unreserves. After assessment of Podu area, the magnitude of the problem of Podu cultivation was depicted in each water shed zone. Detailed study of certain Podu villages in each ITDA was conducted to assess the socio-economic situation of the Podu cultivators.

Keeping in view the above objectives and strategies, the Project Report is prepared in order to wean away the tribals from shifting cultivation and assist them in improving their socio-economic conditions and thereby the quality of life.



distributed on hill tops (30.8%), hill slopes (32.8%) and foot hills (36.4%). In Rampachodavaram, 10.6% of Podu land is on hill tops, 84.7% on hill slopes and 4.7% on foot hills is found. On the whole, the percentage distribution of Podu in the Project area is more on hill slopes (61.55%) followed by foot hills (20.6%) and hill top (17.8%) (Annexure XVIII B). The number of Podu villages in each watershed ranges from 5 to 1,380 villages. The average size of watershed in terms of villages is 79 with 1667 Podu families and Podu area of 1,382 Hectares. The watersheds are not coterminus with the existing administrative unit ie. Mandal, so also the action area and target group is also not co-terminus with the existing administrative boundaries.

The watershed area in some cases extends over two or three Mandals fully or partly, and it is also noticed that a few Mandals cover two or more watersheds. The number of Podu families in watershed areas ranges from 117 to 21,481. The watershed areas consist of multiethnic villages as well as single tribe villages. In the case of Paderu I.T.D.A., most of the watersheds consist of multi-ethnic villages, whereas in case of Seethampeta, Parvathipuram and Rampachodavaram most of the watersheds are single

Details of families engaged in 'Podu' and the extent of land under cultivation etc., I.T.D.A. wise and watershed-wise are given in Annexure XVIII (A) and (B).

tribe villages.

The Project area for Podu rehabilitation consists of 30 water Watersheds : sheds and 24 Mandals in four I.T.D.As. The Podu project Area is identified within the Sub-Plan area. Some of the features of watershed areas are described below:-

Seethampeta Podu Project Area :

The Project area of Seethampeta I.T.D.A. consists of Seethampeta Mandal with 4 watersheds. It is bounded by South Sarugujjali Mandal and Palakonda Mandal, Vizianagaram district on the North, Kothuru, Heeramandalam, Bhamini and Sarubujjali Mandals on the East and part of Seethampeta Mandal on the West. The land

se pattern of Seethampeta Manuar S1. No. Description	Area in Hectares	Percentage in total geographi- cal area
1	30,321	
1. Total geographical area	12,167	52.14
2. Forests	5,876	19.38
3. Barren & uncultivable land		3.96
 Barren & uncultive Land put to non agricultural u 	485	1.60
5. Cultivable waste		
6. Permanent pastures & other	10	0.03
grazing land		
 Land under miscellaneous tree crops and groves not included 	49	0.16
in net area sown	2,169	7.15
8. Current fallows	620	2.04
9. Other fallow lands	4,100	13.52
0 Net area sown	115	0.38
1. Area sown more than once	4,215	13.90
12. Total cropped area		(52 148) is occupied

Major portion of the geographical area (52.14%) is occupied by forests. Only 13.90% of total land is under the cultivation of tribals. Another significant feature of land utilisation is the area is which /barren and uncultivable (19.38%)

Watershed : 1 Poothikavalasa : It is bounded by Vizianagaram district on the North, Bhamini Mandal on the East, Kothuru and Seethampeta Mandals on the South

and Seethampeta Mandal on the West. The whole watershed area comes under Seethampeta Mandal with a geographical area of 7,079 hectares, 28 villages and 2,648 hectares of Podu area. The total population in this watershed area is 6,848, of which 5,540 is The extent of irrigated area in this working force. watershed is 1,701 hectares. The common crops are Paddy in wet lands, Ragi, Jowar, Maize and Redgram in dry lands and Redgram, Banana, Turmeric and Cashew in Podu lands. The area under different crops in this watershed area is 274 Hectares; Ragi 87 hectares, Bajra 113 hectares, Jowar 18 hectares, Maize 13 hectares, Groundnut 43 hectares and 1,701 hectares under paddy.

Watershed : 2 Kusimigedda :

This watershed is also located in Seethampeta and it is bounded by Seethampeta Mandal on North, East and West and Burja Mandal on the South. The geographical area of this watershed is 1,898 hectares in 19 villages. The total population in this watershed is 5,515 of which 4415 constitutes working force. The extent of irrigated area is 62 hectares. The crop grown in this area are Paddy 62 hectares, Ragi 26 hectares, Bajra 7 hectares, Jowar 11 hectares, Maize 2 hectares and Groundnut 14 hectares. The major crops grown in Podu lands are Redgram, Banana and

Turmeric.

Watershed : 3 Pollagedda :

This watershed is also in the jurisdiction of Seethampeta Mandal and bounded by Vizianagaram district on North and East

and by Seethampeta Mandal on South and West. The total geographical area of this watershed is 1,695 hectares with an extent of 894 hectares under Podu. The population of this watershed is 4,479 and the working force is 3,379. The extent of irrigated area is only 43 hectares. The major crops grown in this watershed are Paddy 43 hectares, Ragi 67 hectares, Bajra 22 hectares, Jowar 24 hectares, Maize 5 hectares and Groundnut 11 hectares. Redgram, Banana and Turmeric are mostly found in the Podu fields of this watershed.

Watershed : 4 Gajjiligedda :

This watershed is located in Seethampeta Mandal covering 869 hectares of geographical area in 13 villages with a total population of 2,247, as against 1,747 working force. The boundaries of this watershed are Seethampeta Mandal on North, Heeramandalam and Burja Mandals on the East, Palakonda on the South and Seethampeta on West. The irrigated area in this watershed is only 38 hectares. The popular crops cultivated in this watershed area are Paddy 38 hectares, Ragi 20 hectares, Bajra 2 hectares, Jowar 8 hectares, Maize 2 hectares, and Groundnut 5 hectares. Redgram, Banana and Turmeric are grown in 441 hectares of Podu

land.

Parvathipuram Podu project Area : The Podu Project Area is identified in 6 Mandals of the tribal sub-plan area. It has 12 watersheds with 266 Podu villages. The project area consists of Podu families scattered throughout the 6 Mandals.

Watershed : 1 Gummadigedda : This watershed is located in Gummalakshmipuram Mandal with total geographical area of 2,699 hectares. It is bounded by Pedagedda Micro watershed-1 and G.L. Puram Mandal on the East, Nagavali Micro watershed and G.L. Puram Mandal on the West, Orissa State on the North and Kurupam Mandal on the South. The total Scheduled Tribe population in this watershed is 8,564 and the Podu families are 679. The important crops grown in this area are Paddy(146 hectares), Redgram (664 hectares), Ragi (950 hectares), Mesta (140 hectares), Jowar (94 hectares) and Redgram with mixed cropping in Podu fields (679 hectares).

Watershed : 2 Pedagedda :

It is situated in Jiyyamvalasa Mandal with a geographical area of 3,961 hectares. The boundaries of this watershed are Srikakulam district on East and South, Vattigedda watershed and Kurupam Mandal on West and Kurupam Mandal on North. It covers 20 villages with Scheduled Tribe population of 6,163. The croping pattern is Paddy (861 hectares), Redgram (585 hectares), Ragi (1,240 Hectares), Jowar (93 hectares) and Redgram with mixed cropping (520 hectares). The number of Podu families is 1208.

Watershed : 3 Pedagedda-I :

It is in Gummalakshmipuram Mandal having 45 villages with Scheduled Tribe population of 10,099 and bounded by Pedagedda-II on East, Orissa State on West and North and Kurupam Mandal on South. The total geographical area of this watershed is 3,276 The crops cultivated in this area are Paddy (204 hectares), Redgram (746 hectares) Ragi (1,265 hectares), Mesta hectares. (243 hectares) and Redgram with mixed crops (1,200 hectares). The total Podu families in this watershed area are 1049.

Watershed : 4 Itchapuram gedda : This watershed is located in Kurupam Mandal and bounded

by Srikakulam district on East and North, Kurupam Mandal on West and Chittigedda on South. It covers 23 villages with geographical area of 4,067 hectares. The Scheduled Tribe population in this watershed is 5,187 and the families depending on Podu are 979. The important crops grown are Paddy (188 hectares) Redgram (779 hectares), Ragi (1,545 hectares), Mesta (128 hectares), Jowar (104 hectares) and Redgram with mixed cropping (750 hectares).

Watershed : 5 Nagavali river :

It is situated in Gummalakshmipuram Mandal covering 24 villages with boundaries of Gummadigedda watershed on East, Orissa State on West and North and Komarada Mandal on South. The total geographical area is 1,244 hectares with a total Scheduled Tribe population of 4,242. The number of Podu families in this watershed area is 777. The cropping pattern is redgram (406 hectares), Ragi (461 hectares), Mesta (17 hectares), Jowar (24 hectares) and Redgram with mixed cropping (249 hectares).

Watershed : 6 Gomukhi :

This is in Saluru Mandal covering total geographical area of 4,570 hectares in 22 villages. It is bounded by Makkuva Mandal on East, Orissa State on West and North and Saluru Mandal on South. The Scheduled Tribe population in this watershed is 7,359 and the number of Podu families is 504. The important crops raised are Paddy (184 hectares), Redgram (805 hectares), Ragi (1,402 hectares) Mesta (89 hectares) and Jowar (140 hectares).

This watershed is located in Pachipenta Mandal and bounded Watershed : 7 Vegavathi :

by Kuragedda on East, Orissa State on West, Saluru Mandal on North and Vottigedda on South. It covers 13 villages and the geographical area is 3,579 hectares. 538 families are depending on Podu and the crops grown are redgram (737 hectares), Ragi (1,249 hectares), Bajra and Jowar (193 hectares), Paddy (42 hectares), and pulses (88 hectares). The total Scheduled Tribe population in this watershed is 4,673.

Watershed : 8 Puliputtigedda :

It is situated in Kurupam Mandal and geographical area is 939 hectares. The boundaries are Hills on East, Podigedda on West, Itchapuramgedda on North and Chittigedda on South. Altogether 22 villages are covered with Scheduled Tribe population of 5,062. Podu families in this area are 696. The main crops are Paddy (104 hectares), Ragi (594 hectares), Redgram (272 hectares), Jowar (60 hectares), Pulses (25 hectares).

Watershed : 9 Vattigedda :

This watershed covers 15 villages of Pachipenta Mandal with geographical area of 6,940 hectares. It is bounded by Mentada Mandal on East, Araku valley on West, Hills on North and Visakhapatnam district on South. The Scheduled Tribe population is 3,710 and the number of families depending on Podu is 462. They are cultivating crops like Paddy (29 hectares), Redgram (501 hectares), Ragi (928 hectares), Bajra and Jowar (85 hectares), Ragi (928 hectares) and Pulses (31 hectares)

Watershed : 10 Suvarnamukhi : It is in Saluru Mandal covering 11 villages and bounded by Part of Saluru Mandal on East, Orissa State on West, Gomukhigedda on North and Vegavathigedda on South. The total geographi-

cal area is 3,323 hectares. 483 families are depending on Podu cultivation. The Scheduled Tribe population is 4,236. The main crops are Paddy (85 hectares), Redgram (258 hectares), Ragi (476 hectares), Mesta (30 hectares) and Bajra (40 hectares).

Watershed : 11 Pedagedda-II :

This is located in Gummalakshmipuram Mandal covering 18 villages with geographical area of 2,690 hectares. The boundaries are Orissa State on East and North, Peddagedda river on West and Elwinpeta on South. 5,059 Scheduled Tribe population and 433 Podu families are in this area. The crops raised are Paddy (155 hectares), Redgram (677 hectares), Ragi (1,259 hectares) and Mesta (150 hectares).

Watershed : 12 Pedasakakondagedda :

It is in Komarada Mandal and bounded by Nagavali river on East, hill on West, Orissa State on North and Parvathipuram Mandal on South. 25 villages are in this watershed with geographical area of 3,391 hectares. Podu families are 464 and the Scheduled Tribe population is 5,906. The crops are paddy (303 hectares), Redgram (504 hectares), Ragi (1,078 hectares), Jowar (59 hectares) and Redgram with mixed cropping (262 hectares).

Paderu Podu project Area :

The Project area in Paderu I.T.D.A. consists of 7 watersheds spreading over 11 Mandals with a total geographical area of 6,22,360 The boundaries of Podu Project Area almost coincide which with the I.T.D.A. area/consists of 1816 villages covering 25,383 families with an area of 21529 hectares. The Project area is bounded by Orissa State on the North, part of Vizianagaram district and plains area of Visakhapatnam district on East and East Godacal area is 3,323 hectares. 483 families are depending on Podu cultivation. The Scheduled Tribe population is 4,236. The main crops are Paddy (85 hectares), Redgram (258 hectares), Ragi (476 hectares), Mesta (30 hectares) and Bajra (40 hectares).

Watershed : 11 Pedagedda-II :

This is located in Gummalakshmipuram Mandal covering 18 villages with geographical area of 2,690 hectares. The boundaries are Orissa State on East and North, Peddagedda river on West and Elwinpeta on South. 5,059 Scheduled Tribe population and 433 Podu families are in this area. The crops raised are Paddy (155 hectares), Redgram (677 hectares), Ragi (1,259 hectares) and Mesta (150 hectares).

Watershed : 12 Pedasakakondagedda :

It is in Komarada Mandal and bounded by Nagavali river on East, hill on West, Orissa State on North and Parvathipuram Mandal on South. 25 villages are in this watershed with geographical area of 3,391 hectares. Podu families are 464 and the Scheduled Tribe population is 5,906. The crops are paddy (303 hectares), Redgram (504 hectares), Ragi (1,078 hectares), Jowar (59 hectares) and Redgram with mixed cropping (262 hectares).

The Project area in Paderu I.T.D.A. consists of 7 watersheds Paderu Podu project Area : spreading over 11 Mandals with a total geographical area of 6,22,360 hectares. The boundaries of Podu Project Area almost coincide which with the I.T.D.A. area/consists of 1816 villages covering 25,383 families with an area of 21529 hectares. The Project area is bounded by Orissa State on the North, part of Vizianagaram district and plains area of Visakhapatnam district on East and East Goda-

vari and part of Visakhapatnam dist. on South & East Godavari and Orissa State on the West. The altitude ranges from maximum 5396 feet to a minimum 400 feet. The land use pattern in the 11 Mandals covered by 7 watersheds is as follows :

S1. No.	DESCRIPTION	Area in Hectares	Percen- tage
1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	Total geographical area Area under forests Barren and unclutivable land Land put to non-agricultural use Cultivable waste Permanent pastures and grazing land Land under Misc. tree crops and grazing lands Other fallows Current fallows Net area sown Total cropped area Area sown more than once	6,22,360 4,01,419 1,17,166 8,138 4,755 2,963 4,975 2,820 12,664 65,434 90,533 25,341	64.5 18.8 1.3 0.8 0.5 0.8 0.5 2.0 10.5 14.5 4.1

Forests occupy maximum geographical area (64.5%) followed by Barren and uncultivable land (18.8%), cropped area (14.5%) and area sown (10.5%). The details of each watershed are as follows :

Watershed : 1 Sileru
This watershed covers some part or other of all the Mandals of the agency tract except Koyyuru. It is bounded by part of Araku Valley Mandal on the tract except Koyyuru. It is bounded by part of Chintapalli, G.
East, Orissa State on North and West and Koyyuru, part of Chintapalli, G.
Maudgula and Hukumpeta Mandals on the South. The total geographical area of this watershed is 4,34,167 hectares with 1,380 villages. There are altogether this watershed is 4,34,167 hectares with 16,972 hectares.
21,481 Podu families having Podu area of 16,972 hectares.

Watershed : 2 Sarada : The boundaries of this watershed are part of Anantagiri Mandal on the East, part of G. Madugula Mandal on the West and part of Paderu and Hukumpeta East, part of G. Madugula Mandal on the West and part of Paderu and Hukumpeta Mandal on the North, Cheedikada and V.Madugula Mandals on the South. It spreads in an area of 65,968 hectares covering 220 villages. 1,839 Podu families are cultivating 1,872 hectares of Podu land. in an area of 65,968 hectares covering 220 villages. 1,839 Podu families are cultivating 1,872 hectares of Podu land.

Watershed : 3 Gosthani :

Only two Mandals viz., part of Arakuvalley and Ananthagiri come under this watershed. The boundaries of this watershed are Vizianagaram district on the East, part of Arakuvalley, Dumbriguda and Hukumpeta Mandals on the West, Orissa State on the North and Devarapalli Mandal on the South covering total geographical area of 48,209 Hectares. The total Podu families are 817, cultivating 1,485 hectares of Podu land.

Watershed : 4 Thandava :

The total geographical area of this watershed is 35,822 hectares covering part of Koyyuru Mandal. This forms Southern most tip of I.T.D.A. area. The boundaries of this watershed are Golugonda and Nathavaram Mandals on the East, part of Koyyuru Mandal on the West, Chintapalli Mandal on the North and East Godavari district on the South. 482 Podu families in 36 villages of this watershed are depending on Podu cultivation in an extent of 441

hectares.

It is in Koyyuru Mandal and bounded by part of Koyyuru Watershed : 5 Yeleru : Mandal on the East, East Godavari district on the South and West and Gudemkothaveedhi Mandal on the North. area of this watershed is 21,972 hectares covering 26 villages. 509 families are depending on Podu with 469 hectares of Podu

land.

Watershed : 6 Champa :

The total villages of this watershed are 16, bounded by Vizianagaramnagaram district on East and South, part of Ananthagiri on West and Orissa State on North. The Podu families in this are 117 with an extent of 152 hectares of Podu. area

Watershed : 7 Varaha :

This watershed covers Eastern part of Koyyuru Mandal with a geographical area of 16,219 hectares. Its boundaries are Paderu, V. Madugula and Ravikamatham Mandals on the East, Chinthapalli and part of Koyyuru Mandals on the West, Rolugunda Mandal on South and G.Madugula Mandal on North. Only 10 villages are in this watershed with 138 hectares of Podu land.

Rampachodavaram Podu Project Area :

The Podu Project Area in Rampachodavaram I.T.D.A. consists of 7 watersheds with 204 Podu villages. It is bounded by parts Rampachodavaram, Y.Ramavaram, Addateegala and Prathipadu Mandals on Southern side, Orissa State and Visakhapatnam district on Northern side, part of Visakhapatnam district and Kotananduru Mandal of East Godavari district on the Eastern side, Khammam district and the river Godavari on the Western side. The land use pattern in the identified project area is given below:

		Area in Hectares	Percen- tage
S1. No.	Description	6,60,109	_
	area	4,20,524	63.7
L.	Total geographical area	28,216	4.3
2.	Forests Barren and cultivable waste	68,324	10,4
3.	Barren and eda	62,262	9.4
4.	Gross cropped area	6,262	0.9
5.	Net area sown	0,202	
6.	Area sown more than once		

The area under forests constitutes 63.7% to the total geographical area. The net area sown is 9.4%.

Watershed : 1 Seethapalli :

This watershed is bounded by Y. Ramavaram Mandal on the East, Addateegala Mandal on the West, Devipatnam Mandal on the South and Gangavaram Mandal on the North. The Scheduled Tribe population in this watershed area is 45,797. The total geographical area of this catchment is 1,52,596 hectares with 66 villages and 3,237 families. The total Podu villages in this watershed is 58 and the extent of Podu is 2,598 hectares. The extent of area cropped more than once is 138 hectares.

Watershed : 2 Pamuleru :

This watershed covers 3 Mandals viz., Y.Ramavaram, Maredumilli and Rampachodavaram with a geographical area of 2,30,690 hectares. It is bounded by Y.Ramavaram Mandal on East and North, Khammam district on the West and the river Godavari on South. The total Scheduled Tribe population of this watershed is 49,566. The area under Podu is 1931 hectares in 58 villages. The net area sown is 15,000 hectares whereas the area sown more than once is 1853 hectares.

The Sileru watershed is under the jurisdiction of Y.Ramavaram Watershed : 3 Sileru : Mandal with a geographical area of 49,425 hectares in 40 Podu villages. The boundaries of this watershed are Visakhapatnam district on East, Maredumilli Mandal on West, Rampachodavaram on South and Orissa State on North. The Scheduled Tribe population in this watershed area is 17,264.

Hectares

The area under forests constitutes 63.7% to the total geographical area. The net area sown is 9.4%.

Watershed : 1 Seethapalli :

This watershed is bounded by Y. Ramavaram Mandal on the East, Addateegala Mandal on the West, Devipatnam Mandal on the South and Gangavaram Mandal on the North. The Scheduled Tribe population in this watershed area is 45,797. The total geographical area of this catchment is 1,52,596 hectares with 66 villages and 3,237 The total Podu villages in this watershed is 58 and families. the extent of Podu is 2,598 hectares. The extent of area cropped more than once is 138 hectares.

Watershed : 2 Pamuleru :

This watershed covers 3 Mandals viz., Y.Ramavaram, Maredumilli and Rampachodavaram with a geographical area of 2,30,690 It is bounded by Y.Ramavaram Mandal on East and hectares. North, Khammam district on the West and the river Godavari on The total Scheduled Tribe population of this watershed South. is 49,566. The area under Podu is 1931 hectares in 58 villages. The net area sown is 15,000 hectares whereas the area sown more than once is 1853 hectares.

Watershed : 3 Sileru :

The Sileru watershed is under the jurisdiction of Y.Ramavaram Mandal with a geographical area of 49,425 hectares in 40 Podu The boundaries of this watershed are Visakhapatnam district on East, Maredumilli Mandal on West, Rampachodavaram on South and Orissa State on North. The Scheduled Tribe population in this watershed area is 17,264. The area under Podu is 1,172

Hectares

Watershed : 4 Godavari :

This watershed covers Devipatnam and Rampachodavaram Mandals with a geographical area of 7,092 hectares with 25 Podu villages. It is bounded by Rampachodavaram in the East, River Godavari on West and South, Maredumilli on North. The area under Podu is 882 hectares.

Watershed : 5 Rampa :

This watershed covers 11 Podu villages of Prathipadu (3), Kotananduru (4) and Sankhavaram (4) Mandals. It is bounded by Tuni Mandal on the East, Rajavommangi on the West, Prathipadu on the South and Visakhapatnam district on the North. The geographical area of this watershed is 8703 hectares with 364 hectares under Podu. The total Scheduled Tribe population is 8665.

Watershed : 6 Yetikalva :

This watershed comes under Prathipadu Mandal with geographical area of 16,425 hectares with a total Scheduled Tribe population It is bounded by Kotananduru Mandal of 3,853 in 5 villages. on East, Rajavommangi on West, Pitapuram Mandal on South and Visakhapatnam district on North. The area under Podu is 165

Hectares.

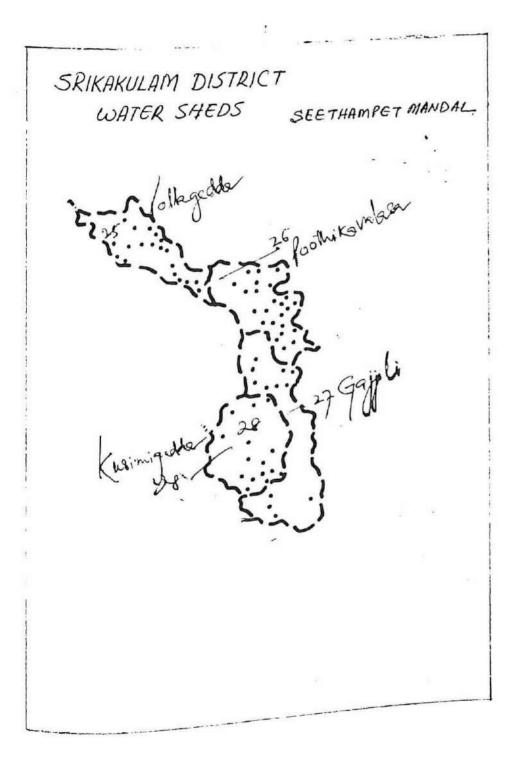
Watershed : 7 Vanchangi :

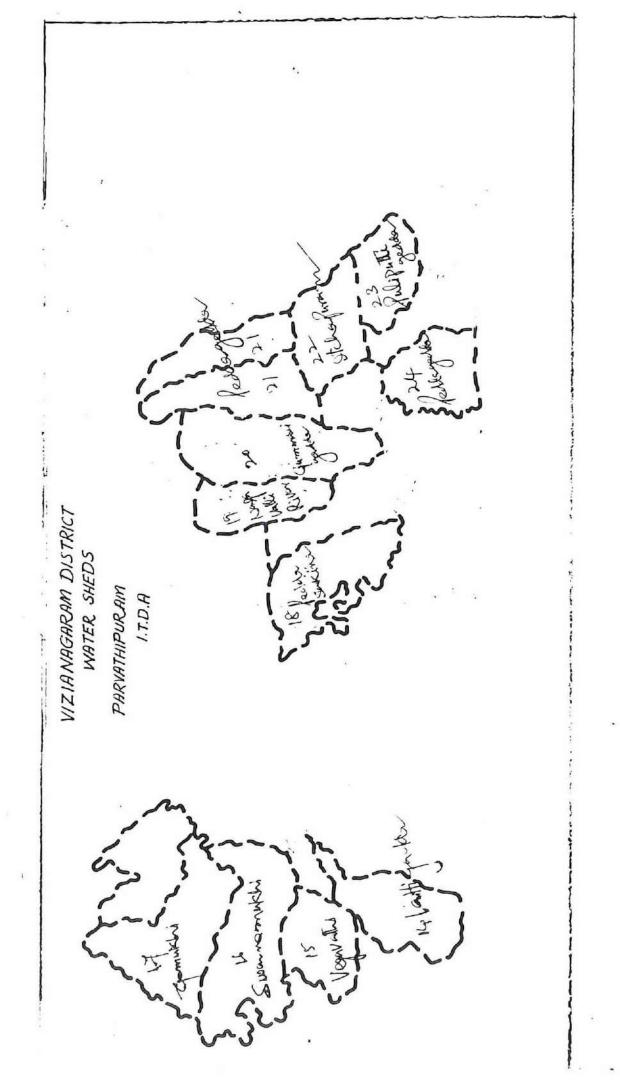
This watershed falls under Rajavommangi Mandal with a geographical area of 9,291 hectares with 140 hectares of Podu area in 7 villages. It is bounded by Kotananduru Mandal on East, Addateegala Mandal on West, Prathipadu Mandal on South and Visakhapatnam district on North. The Scheduled Tribe population in this Mandal

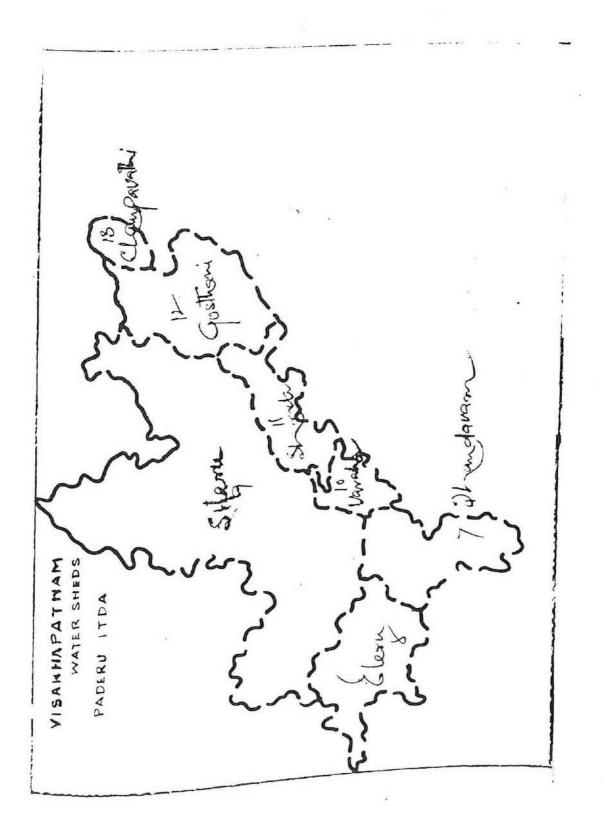
is 16,027.

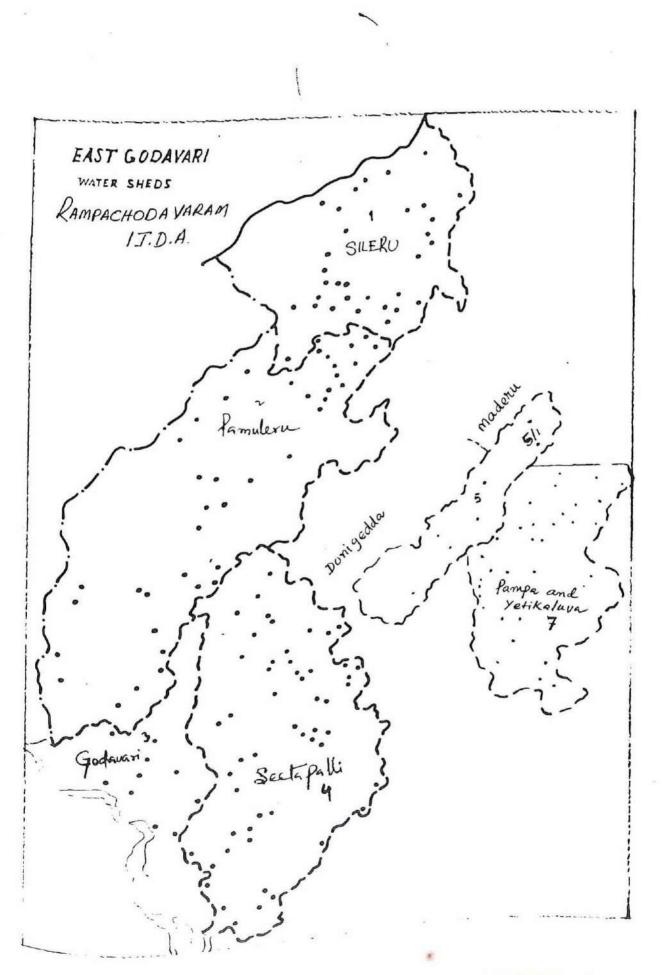
To sum up, the Podu Project Area is identified in the Sub-Plan area of Seethampeta (Srikakulam district), Parvathipuram (Vizianagaram district), Paderu (Visakhapatnam District) and Rampachodavaram (East Godavari District).

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PROJECT COMPONENTS

For a project of this nature it is very essential to plan carefully for enlisting whole-hearted co-operation of tribals and sustain their interestand participation throughout. This is possible only if the planning is done for optimal utilisation of the human and natural resources in tribal areas. The programmes like Horticulture or Social Forestry envisaged in this plan have been in implementation for the last 4 years. The results are very encouraging. It is evident that if proper planning is done and viable to tribals, programme is offered / they do not lag behind. Higher Priority is therefore given to Horticulture/Social Forestry programme, with due emphasis on improving the productivity of land through various other measures.

A. Survey and Land Records :

No regular survey had been attempted to demarcate individual holdings in the tribal area, as such even the village boundaries were not clearly demarcated. It is now necessary that village boundaries, and reserve forests are systematically surveyed without Although survey of land under possession of tribals has been done and large number of pattas are given to them, still a lot more remains to be done, the survey records have to be built up on systematic lines.

The Scheduled villages of Parvathipuram I.T.D.A. were partly surveyed and settled. The Reserve Forest boundaries and village boundaries were not fixed in these villages. Only settled cultivaand measured leaving aside vast extents of untion was mapped reserve forests and unoccupied lands

In Seethampeta agency area survey operations were takenup in 108 villages and the work was divided into three parts.

- In the first part joint verification of common boundaries between Reserve forest blocks and un-reserve forest blocks were identified in 45 villages with a length of 101 kms.
- Identification, demarcation and measurement of village boundaries for each scheduled village was takenup in 73 villages and so far the work is completed in 66 villages.
- Internal survey operations were completed in 103 villages and the area measured was 10,634.73 hectares.

Under 'Telugu Girijana Magana Samaradhana' programme 4857.48 hect. of Podu land was surveyed and 'D' form pattas were given to 8202 beneficiaries in 83 villages.

Survey and settlement operations are yet to be completed in Paderu and Rampachodavaram I.T.D.A. Areas.

	Staff requirement for this purpose is as	follows : <u>No. of posts</u> 1
1.	Asst. Director of Survey & Land	2
2.	Inspectors	. 1
3.	Deputy Inspectors of Survey	1
4.	Office Superintendent	1
5.	Senior Draughtsman	2
6.	Senior Assistants	20
7.	Surveyors	54
8.	Deputy Surveyors	4
9.	Draughtsman Grade I	
10.	Junior Assistants	1
		14
11.	Typist	1
12.	Chainman	1
13.	Jeep with Driver	
14.	Night Watchman	

For this purpose an amount of Rs. 4.575 millions has been proposed . The details of recurring and non-recurring expenditure are furnished in Annexure XIX.

S1.	Name of the	Total amount required				
No.	I.T.D.A.	IFAD	STATE share	Total		
		Rupee				
		0.020	0.080	0.100		
1.	Seethampeta	Nil	Nil	Nil		
2.	Parvathipuram	Nil	Nil	Nil		
3.	Paderu	0.915	3.660	4.575		
4.	Rampachodavaram					
		0.935	3.740	4.675		
	Total					

The financial estimates for updating land records in the Action Areas are given below:

It is estimated that an amount of 4.675 million would be required for up-dating of land records in the agency areas.

On account of denudation of the forests, lands are subjected Soil Conservation : to severe erosion. Appropriate Soil Conversation measures are to be takenup to better the condition of the lands. The following

(1) Stone bunding and earthen bunding systems have their own disadvantages ie. every year they have to be maintained by making necessary repairs. In its place vegetation bunding has been suggested. Vettiver grass is proposed to be planted in rows along the contours. After attaining one year's growth, it serves as a perfect bund. It does not deteriorate over years, on the other hand it gets strengthened year after year while protecting the

land from erosion.

2. Gully Control measures : When water is allowed to go un-briddled it forms gullies causing severe damages. Stone packing is therefore, done to regulate the flow of water at points of vulnerability. For this purpose a provision is made to control gullies by stone packing with the stone available nearby. Annexure XX(A) 3. Diversion Drains : The water is allowed to flow along the contour at the foot hills and connected to a natural drain so that the velocity of run off water is regulated and drained into natural streams without causing great damage. Provision is made for this purpose in the plan. Annexure XX (B)

4. Water Harvesting Structures : The run off water always joins nearby drains and in the course of flowing with velocity causes severe damage. If all such courges are diverted into a small pond called 'Water Harvesting Structure', the water can be stored for sometime which can be used for raising nurseries or for minor irrigation purposes. Provision is therefore made to plan for construction of Water Harvesting Structures. (Design given in Annexure-

XX.(C).

crop yields.

All these together go a long way in preserving top soil, fertility and retaining moisture, ultimately contributing for increased

For taking up soil conservation measures the area available, the area already treated, balance area to be treated, area proposed to undertake various works are identified. In Seethampeta project area the soil conservation measures like graded bunding, stone terracing, bench terracing, gully construction works were suggested in all four watersheds. Gully construction works were not Suggested for Pollagedda watershed (Annexure XX-D)

Soil conservation measures like Vettiver planting, gully structures, diversion drains, formation of Water Harvesting Structures, etc. are proposed in Parvathipuram, Paderu and Rampachodavaram sub-plan areas.

The financial estimates for each ITDA area towards different soil conversation measures are given below together with physical targets (For details see Annexure XXI)

Rs. in Mill	ons	
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S1.		Area pro- posed (Hc.)	Total amount Required			
No.	Podu Project Area	poser	IFAD	Stateshare	Total	
	a	5,282	6.34	1.58	7.92	
1.	Seethampeta	15,171	16.17	4.03	20.20	
2.	Parvathipuram	4,597	3.63	0.91	4.54	
3.	Paderu		3.69	0.94	4.63	
1.	Rampachodavaram	14,031				
		39,081	29.83	7.46	37.29	
	Total	39,001				

An amount of Rs. 37.29 millions would be required for undertaking different soil conservation measures in 30 identified water sheds of the Podu Action Areas. (Annexure XXI-A)

C. Scheme for Development of land under Shifting Cultivation:

Social Forestry taken up under different schemes is a step in right direction. It has not only given a boost to tribal by way of wages for the work done by him for his own betterment but has also ensured his participation in its implementation. The area covered is 9844 hecs.in four I.T.D.As.

In the past, efforts have been successful in implementing social Forestry programmes as exemplified in East Godavari District.

A conscious effort has been made to take this programme to the people in ITDA, Rampachodavaram as detailed here. Some of the remotest villages were identified with the entire village as a unit and care has been taken to cover all the tribal families in these villages. The landless poor were assigned available Government lands. Immediately after finalising the list of villages a series of meetings were organised in the villages to explain the various aspects of the programme and elicit their response.

The main features of the scheme are as follows: 1. The programme is taken up on the own land of tribals. 2. It is also taken up on assigned lands by regulating right on land by issuing a patta to a tribal. 3. The tribal is also allowed to grow plantations on Podu

lands.
4. Each tribal. farmer grows horticultural plantations in area of 2.00 acres with fruit plants and planting other economic trees like soapnuts, drumsticks etc., covering 0.50 acres.
5. Nurseries for supply of required plant materials have been raised as near as possible to the villages and in many cases in the village itself. Cashew and other nurseries have been raised in poly bags by each farmer in his own backyard, thus minimising transportation.
6. The fruit plants included cashew, mango, citrus (lime and 6. The fruit plants included cashew, mango, citrus (lime and farmer).
7. The other plants include soapnuts, drumsticks, seethaphal, bamboo, 'Burugu', tamarind and palmyrah etc., as detailed below;

	Variety	No. of plants
1.	Soapnuts	50
2.	Drumsticks	20
3.	Seethaphal	50
4.	Bamboo	200
5.	Burugu	5
6.	Tamarind	200
7.	Palmyrah/Bamboo	200

8) . Every beneficiary is paid Rs.100 a month towards maintenance of orchards including weeding, mulching, plant protection including protecting the plants from stray cattle etc. This amount is required to meet the labour input put forth by the farmer in maintaining the garden. However, this is paid only when he ensures 75%

Inspection of the plantations is done periodically (once a survival of the plants. fortnight) by trained tribal workers under the supervision of

10) Every payment made to the beneficiary is only through the Mandal Development Officer. Bankers by getting individual S.B. Accounts opened by the bene-

11) Each beneficiary is given an identity card specifying the cost of the scheme, inputs delivered and amount paid etc. The funds released under subsidy and margin money are deposited by ITDA in the Banks (to which the villages are tagged). Payments are made by the Bank on the recommendation of Mandal Development Officer concerned on completion of each item of work.

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Horticulture Programme :

The suggested programmes under social forestry and Horticulture in different watershed areas are discussed hereunder: In Parvathipuram Podu Project Area, horticulture programmes and suitable species with mix of Minor Forest Produce are suggested. Fruit-bearing trees like cashew and mango which come up very well in the proposed Podu area were recommended with minor Forest Produce species like Usiri, Mohwa, Tamarind, Soapnut etc. In addition to these it is proposed to cover same areas under mandarin oranges, pomegranates and guava as the soils and climate are suitable for the plantation of these species. The tribals will be advised to inter-cultivate food crops and pulses during gestation period to prevent soil erosion and to sus-

tain themselves.

In Seethampeta area an economic mix of plantations is suggested to tackle the development of land under Podu cultivation. Cashew (7m. x 7m.) 196 plants, Custard apple (2.5m x 2.5m.) 144 plants, Acacia (2m. x 2m.) 80 plants; Yegisa, Nallamaddi, Teak 80 500 plants were suggested.

The mix of plantations in Paderu Podu Project Area under plants, totalling Social Forestry - Horticultural programmes are designed as follows to suit the different altitudes.

Elevation 0-900'		900-20	00 '	2000'and above		
Coconut	60	Hc.	Cashew	60 Hc.	Cashew	100 Hc.
Mango	40	hc.	Guava	20 Hc.	Guava	50 Hc.
Sapota	20	Hc.	Custard	100 Нс.	Silveroak	100 Hc.
Guava	20	Hc.	apple Pomegrana	te 40 Hc.	Pomegranate	40 Hc.
Soapnut	40	Hc.	Mango	40 Hc.	Bamboo	150 Hc.
Subabul	40	Hc.	Subabul	100 Hc.	Litchi	20 Hc.
Bamboo	150	Hc.	Silveroak	50 Hc.		

In 7 water sheds of Rampachodavaram project area rubber plantations, Economic Plantation, Orchards, Pepper, Coffee, Cittronella are suggested besides other plantations.

The physical and financial target under horticultural programmes for Podu cultivators are shown below :-

RS. IN MILLIONS

			No. of	extent	TOTAL	AMOUNT	REQUIRED
S.No.	Podu Action Area	No. of water sheds	benefi- ciaries			state share	Total
. Par	thampeta vathipuram eru pachodavaram	4 12 7 7	8910 8695 7488 6871	5282 7396 61 49 6046	36.22 51.43 65.42 52.85	9.06 12.85 16.36 13.21	45.28 64.28 81.78 66.06
	Total	30	31,964	24,873	205.92	51.48	257.40

Altogether an amount of Rs. 257.40 millions would be required towards schemes suggested for development of land under Podu cultivation. For Watershed-wise details see (Annexure XXIII & XXIII-A.) D. SCHEME FOR INCREASING PRODUCTIVITY OF LANDS OF PODU

CULTIVATORS :

The Podu survey undertaken by different ITDAs reveal that the Podu cultivators are in possession of dry and wet lands in valleys besides Podu lands. It is imperative to improve the productivity of dry and wet lands in possession of Podu cultivators in order to enhance their economic status. With this objective in view, certain programmes like seed flushing (seed exchange), irrigation facilities, systematic land development etc. are suggested. The details of Dry and Wet lands held by Podu cultivators are

given below:-	No.	of Ex	tent	of land	Average si holdi	lze of land
S.No. Podu Project Area	Podu fami	- Dry	Wet	Total	Dry	Wet.
	lies	741	1844	2585	0.08	0.20
1.Seethampeta	9051		771	6330	0.64	0.09
2. Parvathipuram	8696			21,529	0.83	0.01
3. Paderu	20,071	5955	1 49	61 0 4	0.87	0.02
4. Rampachodavaram						
	50,001	33,414	31 34	36,548	0.67	0.06
TOLAL					L	
(ple	ase See	Annexu	re XXI	v for Det	[4113]	

The Podu cultivators possess dry and wet lands to the tune of 36,548 hectares of which dry land holding is 33,414 hectares. The average size of dry and wet land-holding of the Podu cultivators is 0.67 and 0.06 respectively. The dry and wet land soils are not fertile hence there is every need to improve fertility

Seed exchange programme is proposed for millets, pulses and oil seeds covering an area of 15,414 Hectares at an estimated cost of Rs.1.427 millions (IFAD share Rs. 1.15 M; State share Rs. 0.28 M. (Please see Annexure XXV and XXV-A.) To increase the agricultural production, irrigation facilities like check dams, Tanks, C.I. Wells and L.I. Schemes are proposed and the details are as follows:-

and the details	Number	Total Cost
	(In Rs.	millions)
	221	20.855
. Check Dams	65	0.975
. Tanks	292	3.780
. C.I. Wells	22	8.900
. L.I. Schemes	600	30.510

The details of irrigation facilities I.T.D.A. and Watershedwise are shown in Annexure XXVI A-B.

Systematic land development of wet lands is proposed on an area of 11,103 hectares at an estimated cost of Rs.28.843 millions (IFAD Rs. 23.075 millions and State share Rs. 5.768 millions). The details are given in Annexure XXVII.

The watershedwise details of the scheme proposed for improving productivity of lands are furnished in Annexure XXV to XXVII. A.

To sum up a total outlay of Rs. 65.858 millions would be required for improving the productivity of dry and wet lands owned by Podu cultivators.

E. DEVELOPMENT OF COMMUNITY SERVICES :

The availability of adequate social service facilities such as roads, education, health, transportation, communication, marketing network, etc. is prerequisite for the development of the identi-In the absence of these facilities, any development programme initiated is likely to goawry and result The problem of provision of community services is more acute in the identified Project area due to hilly terrain, highly dispersed and isolated settlement pattern of different tribal groups. The existing infrastructure facilities in Podu settlements are quite inadequate by any standard. The Podu Project Area deserves top priority in the development of social service

The provision of these facilities has been taken up as a facilities. Priority task for integrated development of tribes and tribal areas. The facilities consist of providing community services in the field Of education, health, electricity, housing, consumer services, etc.

Education :

The programmes like upgradation of elementary schools to Upper Primary Schools, Upper Primary Schools to High Schools, additional single teacher schools, hostels, teaching aids, educational material, adult and non-formal education centres etc. are included under the provision of community services in the field of education. The number of units under each scheme together with financial implications in the Project are given in Annexure XXVIII.

Under different programmes of education altogether an amount of Rs. 64.09 million (IFAD-Rs.12.82 millions and State-Rs. 51.27 millions) would be required towards ongoing and sanctioned schemes.

Medical & Health : Medical facilities in terms of number of Primary Health Centres, dispensaries etc. are not adequate in tribal areas. Further, dispensaries etc. are not adequate in tribal areas. Further, most of the hospitals and dispensaries are not having ad ad apparatus and medicines. Hence, some of the programmes like apparatus and medicines, new I.C.D.S./S.N.P. Centres, expannew Primary Health Centres, new I.C.D.S./S.N.P. Centres, expannew improvement of existing institutions are suggested under sion or improvement of existing institutions are suggested under the provision of community services. The total amount required is estimated at Rs. 22.92 millions (IFAD - Rs. 4.58 millions + State - Rs. 18.34 millions).

Drinking Water : Supply of drinking water in the villages has gained considerable attention as the objective is to cover a significant proportion attention as the objective is to cover a supply scheme. of the villages under protected drinking water supply scheme. The implementation of the scheme in tribal areas encounters The implementation of the nature of terrain and dispersed settlement problems in view of the nature of drinking water in tribal areas pattern. Generally the sources of drinking water in tribal areas

are the hill streams, rivers and rivulets. Some of the programmes which are being implemented, but do not have adequate funds to complete them and new schemes for provision of drinking water are suggested. The estimated outlay is Rs. 5.74 millions (IFAD - Rs. 1.15 millions + State Rs. 4.59 millions).

Housing :

Housing programme has gained momentum in recent times especially among weaker sections. The housing programmes are being undertaken under NREP, RLEGP and SPR. However, additional funds are required to supplement the finances of these schemes for accelerating the programmes. The total outlay is Rs. 70.44 millions (IFAD-Rs. 14.09 millions + State - Rs. 56.35 millions).

This function is at present carried out by G.C.C. and P.D.S. Public distribution : depots of Civil Supplies Department. Parvathipuram, Seethampeta and Rampachodavaram Project areas are proposed to be covered for providing adequate civil supplies. An amount of Rs. 8.97 million (IFAD - Rs. 1.79 millions + State - Rs. 7.18 millions)

are required.

Supply of electricity for domestic purpose and for energisation Electricity : of pumpsets is being given in tribal areas. The total cost for provision of electricity for domestic and agricultural purposes is estimated at Rs. 30.01 millions (IFAD - Rs. 6.00 millions + State - Rs. 24.01 millions).

Civic Amenities :

In Parvathipuram and Rampachodavaram Action Area, public toilets under Vimukhti scheme and community wells are proposed at an estimated cost of Rs. 1.53 millions (IFAD - Rs. 0.31 millions State - Rs. 1.22 millions).

Roads :

Roads proposed in different Action Areas require an amount of Rs. 162.20 millions (IFAD - Rs. 32.44 millions + State Rs. 129.76 millions).

The programme of buildings comprises construction of school Buildings : buildings, D.R. Depots buildings, Ashram School and Hostel Buildings, Staff Quarters, etc. It is estimated that an amount of Rs. 45.30 millions is required (IFAD - Rs. 9.06 millions + State Rs.

To sum up, the total amount required under various community 36.24 millions). services is estimated at Rs. 411.20 millions (Annexure XXVIII)

Perhaps the most crucial activity which can give a definite F. MARKETING & PROCESSING : boost to tribal economy is marketing; because tribal does not always get adequate return for whatever little he produces and has to pay higher price for his daily requirements. Marketing assumes greater importance where the level of agricultural produc-To prevent draining away of the vitality of tribal economy the following are to be ensured :

1. Assuring fair price to the marketable agricultural produce.

Elimination of middlemen and merchants from outside. 2.

Supply of daily requirements of tribal at reasonable prices. 3.

The public distribution system and Girijan Co-op. Corporation are presently engaged in taking care of these factors mentioned, but still there are certain aspects of marketing which are descernably deficient. Duly identifying such deficiency areas, the following schemes are proposed.

1. Warehousing facility & Marketing yards :

It is estimated that with the introduction of new methods of cultivation and provision of inputs, there will be surplus production in the area; therefore providing warehousing facilities and establishment of market yards are proposed.

2. Standard Weights and measures : It is observed that tribals are cheated by outsiders in their commercial transactions essentially because of tribals' ignorance and lack of weighing and measuring equipment. Hence, this has been

proposed.

Tribal youth from the Project area are proposed to be given 3. Assistance to Tribal youth : assistance to undertake small business ventures as a part of the effort to strengthen the marketing structure in the Project area.

Audio-visual aids will be used to educate the tribals in 4. Extension Education : various activities and marketing intelligence is proposed to

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Provided.

5. Processing Units :

are listed below are mainly intended These units which to: (a) generate local self-employment and (b) increase the income of the tribal producer and entrepreneur. Profiles of certain processing units are given in the Annexure XXIX A

LIST OF PROCESSING UNITS

SEETHAMPETA :

- Establishment of one cashew processing unit. 1.
- Installation of one unit for manufacturing of Fenney.
- 2.

PADERU :

6.

- Flour mill for Bajra, Ragi Unit. 1.
- Potato chips manufacturing unit.
- 2.
- Fruit preservation unit (Tomato-Jam, Jelly & Ketchup). Cold storage (500 MT) for potato, vegetables and fruits. 3.
- 4.
- Turmeric polishing and powdering unit. 5.
- Ginger dehydration unit.
- Coffee seed processing unit.
- 7.
- Pippalmodi processing unit. 8.
- Brick manufacturing units. 9.
- Citronella Extraction unit (2 M.T.) capacity. 10.
- 11. Cashew, Kamala processing unit.

12.

RAMPACHODAVARAM :

Scheme for manufacture of cashew kernel unit at Gangavaram. Manufacture of Jelly with cashew, apple juice indigenous 1.

2.

type.

Scheme wise financial requirements both for marketing and processing units are given in Annexure XXIX. The total amount required for both marketing programmes and processing units is Rs. 35.47 millions.

G. TRAINING PROGRAMME :

The aim is to ensure growth of human resources so as to equip the tribal with skills to exploit natural and capital resources. The need of the hour is to have a positive approach for comprehensive and integrated human resources development. The tribals have to be equipped not only with technical skills but also with moral, spiritual and other abilities, so as to enable them to utilise the new opportunities and promote their managerial and leadership qualities.

To improve the human resources in project area, training programmes are suggested taking into consideration the needs of the area and the people. Massive education campaign forms part of the programme content of each development scheme. The role of tribal women is very much recognised and their skills are proposed to be improved. Beside educating the tribals in local medicinal plants about the usage and value, the need to improve the skills of Minor Forest Produce procurement is stressed. The proposed training programmes are as follows:

	Training to the		REQUIRED (Rs.	in Millions Total
1. 10.	beneficiaries	I.F.A.D.	State	Total
		0.824	3.324	4.148
•	Agriculture		2.274	2.837
	Horticulture	0.563		0.490
١.	Sericulture	0.100	0.390	0.008
	Minor Irrigation	0.002	0.006	
	Animal Husbandry	0.030	0.110	0.140
5. 6.	Madicinal Plants &	0.097	0.377	0.474
	M.F.P. Procurement	0.045	0.170	0.215
7.	Bee-keeping			0.350
8.	Vocational Training exclusively for women	0.070	0.280	
		0.77	0.297	0.374
9.	Self Employment	0.022	0.108	0.130
0.	Field trips	0.007	0.027	0.034
1. 2.	Training in Tailoring Training in making bamboo articles	0.006	0.023	0.029
Tra	ining to Staff :	0.002	0.008	0.010
1.	Supervisory Staff	0.008	0.032	0.040
2. 3.	Horticulture staff Engineering & Soil	0.010	0.040	0.050
4.	conservation	0.007	0.024	0.031
5.	Monitoring Evaluation staff Training to teachers in health development	0.063	0.251	0.314
	in health	0.027	0.108	0.135
6.	Training to liaison workers	1.960	7.849	9.809

The training programmes centre round mostly land based and agrobased technology. The training programmes to beneficiaries include various methods of planting, using fertilisers, pesticides, using hybrid varieties of seed, agricultural implements etc. Under Horticulture training, emphasis is on raising nurseries, plantations, grafting etc. The training in Minor Irrigation stresses proper water management and maintenance of irrigation sources, electric motors, open wells, etc. Maintenance of Milch Cattle, fodder plants, breeding and rearing of different species of animals etc. are included in the training programme of animal The sericulture training highlights the practices of mulberry cultivation, chawki rearing, chawki reeling, etc. Under medicinal plants and M.F.P. procurement training, scientific methods of M.F.P. procurement, warehousing, drying, grading, marketing and also cultivation of medicinal and auromatic plants are included. The vocational training programme exclusively for women includes various training camps in basket making, mango jelly making, Honey-bee keeping, knitting, plastic wire boxes, etc. The details are given in Annexure XXX. It is estimated that an amount of Rs. 9.809 Millions would be required to strengthen the human resources in the Project Area.

CHAPTER IX

ADMINISTRATIVE ARRANGEMENTS AND FINANCIAL RESOURCES

Administration

The existing set up of the Tribal Welfare Department in Andhra Pradesh has the necessary expertise and capability to undertake implementation of wide range of programmes including problem oriented projects of this nature. A brief description of the existing set up of the Tribal Welfare Department is given below:-

The Department is headed by the Secretary to Government, Social Welfare Department at the State level. Below the Secretary's level, there is Director, Tribal Welfare, who is the Chief Controlling Officer, responsible for planning and monitoring the various schemes besides preparation of budget proposals to be presented to the Legislature (State) for approval. All funds meant for Tribal Welfare schemes whether implemented by the Governmental agencies, registered bodies or voluntary agencies (in receipt of Government assistance) are coordinated and monitored by the Director of Tribal Welfare. At the District level, the District Collector is in overall charge of implementing Tribal Welfare schemes with the assistance of various departmental officers including District Tribal Welfare Officer. There is well-established set of rules and procedures evolved over a period of time to facilitate speedy implementation of various types of programmes

in tribal areas. For areas of Tribal concentration (Sub-plan area identified in each District), 8 I.T.D.As have been established for effective co-ordination of the various specialised departments/agencies. The four I.T.D.As. viz., Seethampeta (Srikakulam), Parvathipuram (Viziahagaram District), Paderu (Visakhapatnam District), Rampachodavaram

(East Godavary District) of which the proposed Action Area will form part, have the following set-up which includes subject matter specialists.

				CT COLLE		t Off				vernir Of	g body ficial Offici	ls &	
APO & DTWO PVO	PAO	PEO	рно	AO (Seri)(A.D. Agri.	E.E.)(TW)	SDC (TW)	E.O. (IND)		A.O.	s.o.		E.O Fish- ries
					м.	D.Os.			1	M.P.F Pancha Preside	yat		

The District Collector is the Chairman of the I.T.D.A. and the Project Officer is the Member Secretary of the Governing Body of I.T.D.A. One M.P., local M.L.As. and the Mandal Praja Parishad Presidents who have Jurisdiction in the I.T.D.A. area are the members of the Governing Body. All District Officers connected with Tribal Development activities are members of the Governing Body. As per the instructions of the Government, the Governing Body has to meet atleast once in three months or as often as

On the Administrative side, the Project Officer is assisted by the District Tribal Welfare Officer who acts as Assistant Project Officer, Project Education Officer, Project Agricultural Officer, Project Horticultural Officer, Veterinary Officers, Fisheries Extension Officer and Extension Officer (Industries), Assistant Director of Agriculture, Asst. Director of Sericulture, Executive Engineer (Tribal Welfare), Assistant Project Officer (Publicity), Special Deputy Collector (Tribal Welfare) and Statistical Officer, Asst. Accounts Officer, Administrative Officer. Action Plans are prepared annually and executed for the development of Agriculture, Sericulture, Fisheries, Minor Irrigation, Animal Husbandry and Industries, Services and business sectors every year pooling funds from State Plan including Tribal Welfare and General Sector, Centrally Sponsored Schemes, Special Central Assistance and Institutional Finance.

For smooth implementation of Tribal Sub-Plan Programmes, administrative arrangements have been specially made. Important of them are as follows:

i) A State level Committee headed by the Chief Secretary to Govt., consisting Secsetary to Government, Tribal/Social Welfare Department as Convenor, Principal Secretary, Finance & Planning as Member: is functioning. All the Secretaries to Government and Heads of Departments are invited when their subjects are included in the agenda. This Committee is meant for co-ordination and review of Tribal Welfare

programmes. ii) The Project Officer of I.T.D.A. are empowered to sanction works upto one lakh rupees and Chairman upto two lakhs, while I.T.D.A. Governing Body can sanction any scheme upto 15 lakhs and accept the tenders 10% over and above the estimated cost. All the functionaries tenders 10% over and regulatory are placed under the administrative both development and regulatory are placed under the administrative control of the Project Officers.

iii) It was found that the tribals have to approach several agencies for getting their needs fulfilled. The Chief Minister in a meeting held in June, 1986, agreed in principle with the proposals of the Department to make the I.T.D.A. a nodal agency by designating the Project Officer as Joint Collector (Tribal Welfare), Additional District Magistrate for implementing all developmental and regulatory functions in the Sub-Plan areas.

For the purpose of implementing the I.F.A.D. assisted PODU Project, the following arrangement is envisaged:

STATE LEVEL

1. Director, Tribal Welfare will be designated as Ex-Officio Director of I.F.A.D. Project.

2. He will be assisted by Project Liason Officer (Join Director cadre of T.C.R.& T.I.) who will be exclusively in charge of the Project (post to be created).

3. The Joint Director (Horticulture) of Tribal Welfare Department (existing) will be designated as ex-officio Technical Officer at Macro level. Similarly the services of the Deputy Director and Horticulture Officers available at State Headquarters will

4. One post of Deputy Director with four monitoring Assistants

will be created to monitor and evaluate the programmes.

One Jeep, an Electronic Typewriter, one Plain-paper Copier, furniture, and Telephone will be provided.

1. Project Officer, I.T.D.A. would be designated as ex-officio I.T.D.A, LEVEL Project Director, I.F.A.D., Podu Project in each Integrated 2. One post of Assistant Director (Podu Development) will be 3. The existing monitoring units in I.T.D.As. will be strengthened. Two posts of Monitoring Officers one each to I.T.D.A., Seethampeta and Parvathipuram will be created (Statistical Officers posts exist in the remaining 2 ITDAs.)

4. Four Monitoring Assistants posts will be created to be exclusively in charge of monitoring work relating to this Project. 5. Other Sectoral Officers (Subject matter specialists) of ITDA will be in charge of their respective programmes in the Project

area.

6. One Jeep will be provided.

7. One post of Deputy Director (Podu Evaluation) and two R.Os. posts will be provided to the Regional Centre Paderu.

FIELD LEVEL

1. Field Assistants (Sub-Assistants):

Posts of Field Assistants will be created at the rate of one for every ten villages. The posts of Sub-Assistants will be reserved for educated tribals preferably from the tribes practising Podu. They will be given short duration preliminary training and will be continuously trained for performing each task to be executed with the help of farmers (Podu Cultivator) according to the Calender of operations. Appointment Of tribals as Field Assistants, it is hoped, will enhance the capability

of the delivery system:	AGES	NO. OF FIELD ASSISTANTS
	NO. OF VILLING	8
<u>I.T.D.A</u> .	80	27
1. Seethampet	266	182
2. Parvathipuram	1815	20
³ . Paderu	204	237
4. Rampachodavaram	2365	

(for Details see ANNEXURE XXXI)

FINANCES

One of the objectives of the Sub-Plan is to achieve financial integration by way of pooling of funds from different departments concerned with tribal development. Efforts have been made to ensure smooth and adequate flow of finances in Fifth Five Year Plan by integrating State Plan Tribal Welfare Department general sector funds, special Central assistance, funds under centrally sponsored schemes and Institutional Finance. The unique achievement since Fifth Five Year Plan has been the linkage of institutional finance with financial resources of State Exchequer, so as to have larger coverage of area and beneficiaries.

However, in practice, it was found that the objective of Tribal Sub-Plan i.e. financial integration was not achieved fully. It was, therefore, felt that the funds under Tribal Sub-Plan should be earmarked at planning stage itself and then plan with the earmarked finances besides exhibiting the funds, under separate demand of Tribal Welfare Department

The existing flow of finances in the Project area comprises of State Plan funds, Special Central Assistance centrally sponsored scheme funds and Institutional Finances. The different financial resources are briefly narrated below:

 <u>Special Central Assistance:</u> Funds are allocated to the Project area under Special Central Assistance by the Central Government (through Ministry of Welfare)
 <u>Assistance by the Central Government (through Ministry of Welfare)</u>
 <u>Central and Centrally Sponsored Schemes:</u> Some of the Central Government sponsored schemes are also implemented like R.L.E.G.P., N.R.E.P., Construction of Girls' Hostels etc.

3. State Plan Funds:

The State Government Plan funds include funds allocated by different State Level Departments for the Sub-Plan Schemes.

4. On Going State Government Schemes:

Apart from the Plan programmes, Non-Plan Schemes are also to be maintained, for which funds are provided.

5. Finance Commission Award:

Funds are also provided under Finance Commission Award to provide infrastructure facilities including compensatory allowance and to construct residential staff quarters etc.

TRICOR provides 20% Margin Money in order to facilitate raising of 6. Margin Money loan from financing agencies like Scheduled Banks for programmes implemented on 50% subsidy, 30% Bank loan and 20% Margin Money basis.

A significant source of finance in the Project area is Institu-7. Institutional Finance:

The quantum of Institutional Finance depends upon the loan tional Finance. component of the programme. But, Bank finance is yet to show itself

in an appreciable manner. Financial resources under Podu Project Area: While planning for the development Jf the Podu area, the flow of finances from various sources was taken into account. A view was also taken of the financing pattern both existing and proposed on the basis of which the pattern for this project was decided.

- 1) Schemes for development of land under shifting cultivation -IFAD 80%, State Share 20%.
- 2) Schemes for improving the productivity of lands IFAD 80%, State share 20%.
- 3) Soil Conservation works IFAD 80%, State share 20%.
 - 4) Community Services IFAD 20% (most of the schemes)

State share 80%

5)Training Programmes - IFAD 80%, State Share 20%.

6) Infrastructure facilities - IFAD 80%, State Share 20%.

7) Marketing - IFAD 80%, State share 20%.

The financial requirements for developing 30 identified water sheds of the Podu Project area are given below:

al. Podu Project	No. of	TOTAL OUTLAY (RS.]	IN MILLIONS/
o. Area	water sheds	D STATE SHARE	TOTAL
	IFA	55 13	118.65
1. Seethampet	4 63.52	221.55	351.63
2. Parvathipuram	12 130.08	82.84	194.02
3. Paderu	7 111.18	81.60	157.39
4. Rampachodavaram	7 75.79		821.69
Total	30 380.58	441.11	

The scheme-wise details of financial requirements for the Project A statement showing Employment generation under different schemes area are furnished in the ANNEXURE XXXII.

is furnished in Annexure XXXIII.

DEFINITIONS OF CERTAIN CONCEPTS AND TERMS USED IN THE REPORT.

- 1. Scheduled Tribe: All those groups or sub-groups or part thereof whose names have been listed to be Scheduled Tribes in each State or Union Territory under the provisions of Article 342 of the Constitution of India through an order of the President of India. Scheduled Tribes are afforded special rights and protection besides development under the provisions of the Constitution of India and Regulations made under its provisions.
- 2. Scheduled Areas: Those tribal areas defined by a notification of the President of India under the Fifth Schedule of the Constitution of India. This imposes a special responsibility on the State for peace and good government of Tribal Areas. The executive powers of the Union extends to giving directions to the States so as to administer such areas.

3. Sub-Plan Areas:

Areas of tribal concentration specially carved out comprising the following:-

- a) All Scheduled Areas
- b) All T. D. Block areas

c) All villages with sizeable tribal population and are contiguous to scheduled area or T.D. block area.

4. Sub-Plan: A plan within the larger State Plan specially prepared for the Sub-Plan: A plan writing the target critic rule specially prepared for the Integrated Development of Scheduled Tribes living in identified Sub-Plan Integrated Development of Schedules fring in identified Sub-P. areas containing details of funds and programmes specially drawn-up.

5. I.T.D.A .:- Integrated Tribal Development Agency. It is registered LT.D.A.:- Integrated that is established for the development of under the Societies Act and is tribal contents of under the bocieties rate and tribal concentration in each district, specially carved out areas of tribal concent of Sub Plan by translating into active concept of Sub-Plan.

6. Podu: 'Podu', 'Jhum', 'Begar' etc., are the local nomenclature for

shifting or slash burn cultivation.

7. Patta: Any official document confering ownership title on land, Patta: Any other movable or immovable asset or achievement house or any other movable etc. in education, research, etc.

8. Watershed: It may be defined as an area linked to the flow of water through the basin to the plains lending itself to plan for soilwater in out, water harvesting and harnessing and land use during conservation, which the doublogment conservations of which the development unit can be delienated into Micro and Mini water shed.

CROP AND PLANT TERMILNOLOGY

CROPS:

English	Telugu Equivalent	Botanical Term
English		Pennisetum typhoideum
1. Bajra	Sajjalu	1 Crimborter
2. Jowar	Jonnalu	Sorghum vulgare
3. Maize	Mokka Jonnalu	Zeamays Eleusine cora cana
4. Ragi	Ragulu	
5. Rice	Uppudu Biyyam or Biyyam	Oryza sativa
6. Rice Bran	Tavudu	Oryza sativa
7. Small millet	Chamalu	Echinochloa frumantaca
8.	Sama	Panicum milare
9. Wheat	Godhumalu	Triticum aestivum
10. Bengal Gram	Sanagalu	Cicer arietinum
5	Minumulu	Phaseolus mungo roxb
11. Black gram	Bobbarlu	Vigna catjang
12. Cow pea	Chikkudu	Dolichos lablab
13. Field bean	Pesalu	Phaseolus aureus roxb
14. Green gram	Ulavalu	Dolichos biflorus
15. Horse gram	Batani	Pisum Sativum
16. Peas	Kandulu	Cajanus Cajan
17. Red gram		Bambbusa arundinacea
18. Bamboo tender shoots	Veduru Chiguru	Moringa Oleifera
19. Drumstick tree	Mulaga Chettu	Hibiscus cannabinus
20. Gogu	Gongura .	Azadirachta indica
21. Neem Tree	Vepa Chettu	Cucurbita maxima
22. Pumpkin	Gummadi	
23.Tamarind	Chinta Chettu	Tamarindus indicus
24. Mahuva tree	Ippa Chettu	Bassia latifolia
25. Cashew tree	Jeedi Mamidi	Anacardium Occidentale
26. Niger	Valasulu	Guizotia abyssinica
27. Seetaphal	Seetaphalam	Annona squamosa
28. Soapnut tree	Kunkudu chettu	
29. Coconut tree	Kobbari chettu	Cocosmucifera
30. Mango tree	Mamidi Chettu	Mangifera indica
31. Guava	Jami Chettu	Psidium guajava
32. Sapota	Sapota	Achras sapota

ANNEXURE-I

S1.	Tribe	Total frr	% to the total S.T.population
No.	111	3	4
1	2		
		5,350	0.168
1.	Andh	89,567	2.820
2.	Bagata	184	0.005
3.	Bhil	28,297	0.921
4.	Chenchu	28,049	0.883
5.	Gadaba	1,67,108	5.261
6.	Gond, Naikpod, Rajgond	6,256	0.196
7.	Goud	20	0.001
8.	Hill Reddi	86,762	2.731
9.	Jatapu	36,295	1.142
10.	Kammara	173	0.005
11.	Kattimayakan	17,096	0.538
12.	Kolam, Mannervarlu	1,42,374	4.482
13.	Konda Dora	27,830	0.876
14.	Konda Kapu	54,473	1.715
15.			
16.	Kondh, Kodi, Kodhu, Kut-		
100	Konda Reddi Kondh, Kodi, Kodhu, Desiya Kondh, Dongria Kondh, Kut- tiya Kondh, Tikiria Kondh, Yenity Kondh	50,726	1.597
17.	Kotia, Bentho Orlya, Holva, tika, Dhulia, Dulia, Holva, Paiko, Putiya, Sonrona,	16,847	0.530
18.	Sidhopaiko Koya, Goud, Rajah, Racha Koya, Lingadhari Koya (ordinary), Kottu Koya, Bhino Koya, Raj Koya	3,62,341 157	11.408 0.004
19.		18	
20.	Kulla Malis (excluding Adilabad, Hyderabad, Karimnagar, Khammam, Mahboobnagar, Medak, Nalgonda, Nizama- Medak, Worangal districts)	2,017	0.063
	bad and "a and	21,329	0.671
21.	Manne Dora	17,948	0.565
22.	Mukha Dora, Nooka Dora	1,940	0.000
23.	Nayak (in the Agency tracts)	4,323	0.136
24.		15,573	0.490
25.	Demonst Daria	16,374	0.515

TRIBE-WISE POPULATION IN ANDHRA PRADESH - 1981 CENSUS

Contd.

Annex.I (Contn.)

			4
1	2	3	
		4,177	0.131
26.	Reddi Dora	122	0.003
27.	Rona, Rena		
28.	Savara, Kapu Savara, Malia Savara, Khutto Savara	81,121 11,57,604	2.554 36.448
29.	Sugali, Lambada	11,777,7	
30.	Thoti (in Adilabad, Hyderabad, Karimnagar, Khammam, Mahboobnagar, Medak, Nalgonda, Niza- mabad and Warangal districts)	1,753	0.055
73	Transles (in the Agency	40,985	1.290
31.	valmiki (tracts)	3,15,344	9.928
32.	Yanadi	3,15,618	9.937
33.		61,808	1.946
34.	Unclassified		
	Total of all S.Ts.	31,76,001	100.00

Annexure-II

		(In lakhs
SI. No.	Name of the District	S.T. Popula tion in 198
		1.05
l.	Srikakulam .	1.53
2.	Vizianagaram	3.54
3.	Visakhapatnam	1.43
4.	East Godavari	0.67
5.	West Godavari	0.67
6.	Krishna	1.40
7.	Guntur	0.78
8.	Prakasam	1.77
9.	Nellore	0.79
10.	Chittoor	0.38
11.	Cuddapah	0.82
12.	Anantapur	0.40
13.	Kurnool	1.55
14.	Mahboobnagar	0.73
15.	Ranga Reddy	0.14
16.	Hyderabad	0.69
17.	Medak '	0.90
18.	Nizamabad	
19.	Adilabad	2.73
20.	Karimnagar	0.60
21.	Warangal	2.93
22.	Khemmam	4.30
23.	Nalgonda	1.96
	Total:	31.76

ARIAS (AREA IN HECTARIS).

S1. No.	I.F.T.A. Project/ Dist.	Total Geogra- phical area.	Forests	Barren and unclutivable land	Land put to non- agri- culture us.	Pormanent pastures and graz- ing land.	Misc. tree cops: crops and Groves	Cultiya- ble wate land.		Current follo- ws.	aroa s sown. m t	
1	2	3	4	5	6	7	8	9	10	11	12	13
. Se Sr	ethampeta/ ikakulam	30320	12167	9404	1202	10	49	485	620	2169	4099	115
Pa Vi	rvatoi uram/ ziangaram	224178	79008	3128	21306	36257	2552	3128	1540	10073	68186	
Pa Vi	deru/ sakhapatnam	619433	461538			31984	10931	29150	12146	12955	60729	
	spachodavaran/ st Godavari	425460	258028	50972	18903	14840	856	17612	11351	1551	42114	9233
-	Total:	1299391	810741	62504	41411	83091	14388	50375	25657	26748	175128	9348
			(63.39%)	(4.21%)	(3.19%)	(6.39%)	(1.11,3)	(3.88,5)) (2.06%)		i) (0.72)

	Village	No, of	No. of		Extent of	Podu Le		under	Percen- tage	Podu under plan-	Peroan-	Podu aban-	Peroun-	Average size of podu holdings
Diutrict	111929	totul fani- lies	f mi- lies with podu lands		Un Res- serve	Re- serve	Total	culti- vation		t_tien		donod		
							11.84	9.82 6	32.90	1.21	10.26	0.81	6.84	0.99
1. Visakhapatnan	- Ball مناسبة	21	12	57.14	6.98	4.86	20.75		29.85	12.35	59.50	2.21	10.65	1.30
	Chustunitta	21	16	76.19	20.75	••			87.97	2.02	12.03			0.84
	Komarenchula	26	20 -	76.92	6.50	10.32	16.82		33.11	24.29	45.35	11.54	21.54	1.53
-	Gadan lipatta	43	35	81.40	53.56	••	53.56	CIRS-SPELICE	44.36	40.49	35.78	22.47	19.86	1.66
••••	Seethi	71	68	95.78	79.04	34.12			41.89	5.67	33.90	4.05	24.21	0.93
5. Srikakulan 6. Srikakulan	Jthi	23	18	78.26	16.72	••	16.72		48.08	3.85	12.18	12.55	39.74	2.43
7. Vizianagaram	Gopal apuram	15	13	86.67	31.58		31.58	15.18	a susan and a susan a s			22.27	50.23	1.85
8. Vizian-garan	Londemusuru	24	24	100.00	44.34		44.34	22.07	49.77	3.23	8.56	19.84	52.41	1.54
9. Vizianagaran	Tomp: L.padu	27	23	85.18	37.85		37.85	14.78	39.03	33-97		••		0.81
10. East Godavari	Boddagandi	31	31	100.0	25.10	· · ·	25.10	25.10	100.00	25.91	36.57			1.01
11. Aust God_vari	Chekizvada	73	70	95.8	9 70.8	5	70.85	44.94	63.43			32.08	32.44	0.95
12. East Godevari	Kaniwada	104	10	100.	00 98.9	••	98.93	66.84	67.56	••	••	<i></i>	2-044	
		47		34 90.	60 492	.20 49	.30 541.5	0 294.0	5 54.42	119.03	21.98	127.62	23.60	1.25

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				LAND	HOLDI		_,					An	naxura = V (A	roa in Hec	tares)	
			11. 0		st							TOTAL L	JND		Per family	
District	Village	families		families	land less		-		Patta	W.Patta	Patta	W.Patta	Patta	W.Patta	Total	land holding (Wet +Dry+ podu)
Visakhapatnam	Ballyaguda	.21	19	2	9-5		7.29	6.073		6.983	4.858	13.06	12.15	25.202	1.32	
	Chuttunitta	21	16	5	23.8	••	••		••	18.242	2.510	18.24	2.43	20.753	1.30	
Visakh.p.tnam	Kommaronciala	26	25	1	3.8	22.06	21.46	••	••	6.502	10.323	28.53	31.78	60.308	2.41	
Visakhaputnam	Gudanaliputu	43	39	4	9.2	92.21	•• •	17.712	••	•••	53.562	109.93	53.56	163.490	4.19	
Srikakulan	Seedini	71	68	3	4.2	54.85	••	9.949	••	79.042	34.109	143.82	34.11	177.927	2.62	
Srikakulum	althi	23	21	2	8.7	3.91		6.093		+6,720	16.720	10.00	16.72	26.721	1.29	
Vizianegaram	Goyalapuran	15	13	2	13.3	8.95	0.40	2.429		3.846	27.732	15,20	28.14	43.360	3.34	
Vizianagarum	Kondamusum	24	25	••			33.20	••	0.809	••	44.332	••	78.34	78.340	3.26	
Vizianugaran	20.3p.1padu	27	25	2	7-4	8.62	6.39	••	12.754		37.854	8.64	57.00	65.636	2,62	
ast Godavari	Boddagandi	31	31		••	19-63	4.05		••	1.822	23.279	21.46	27.33	48.785	1.57	
East Godavari	Chekkevada	73	73	••	••	41.48	39.07				70.850	41.48	109.95	151.397	2.07	
iast Godavari	Kaniwada	104	104	••	••	23.40		6.518			98.927	29.93	98 •97	128.858	1.24	
	Total:	479	458	21	4.4	275.	11 111.86	48.744	13.563	116.437	425.06	440.29	550.48	990.777	2.16	
		·					386.97 (Totul)		62.307 (Total)		541.50					
	Visakhupatnan Visakhupatnan Visakhupatnan Srikakulan Srikakulan Srikakulan Vizianagaran Vizianagaran Vizianagaran Sast Godavari Sast Godavari	Visakhapatnan Ballyaguda Visakhapatnan Chuttunitta Visakhapatnan Chuttunitta Visakhapatnan Gudanaliputu Srikakulan Seedini Srikakulan Seedini Srikakulan althi Vizianagaran Gopulapuran Vizianagaran Gopulapuran Vizianagaran Sondamusuru Vizianagaran Sondamusuru Vizianagaran Sondamusuru Sast Godavari Sodagandi Sast Godavari Chekkavada	Hathet Hirley Hakhapatnan Ballyaguda 21 Visukhapatnan Ohnttumitta 21 Visukhapatnan Kommaronolala 26 Visakhapatnan Kommaronolala 26 Visakhapatnan Gudanaliputu 43 Srikakulan Seedhi 71 Srikakulan Seedhi 71 Srikakulan Seedhi 71 Srikakulan Seedhi 71 Vizianagaran Goyalapuran 15 Vizianagaran Goyalapuran 15 Vizianagaran Kondamusuru 24 Vizianagaran Aonpalaputu 27 ast Godavari Boddagandi 31 Sast Godavari Chekkavada 73 dast Godavari Ista Kaniwada 104	District Village families families with land Visakhapatnan Ballyaguda 21 19 Visakhapatnan Canttunitta 21 16 Visakhapatnan Canttunitta 21 16 Visakhapatnan Gudanaliputu 43 39 Srikakhapatnan Gudanaliputu 43 39 Srikakhapatnan Gudanaliputu 43 39 Srikakhulan Seedini 71 68 Srikakhulan Seedini 71 68 Srikakhulan Seedini 71 68 Srikakhulan althi 23 21 Vizianagaran Gopulapuran 15 13 Vizianagaran Kondamusuru 24 24 Vizianagaran Kondamusuru 24 24 Vizianagaran Conpelapadu 27 25 ast Godavari Boddagandi 31 31 Sast Godavari Chekkavada 73 73 dast Godavari Hat Keniwada 104 104	District Village TOTAL families No. of families Jand less with land families Misskhapstnam Bellysguda 21 19 2 Misskhapstnam Bellysguda 21 19 2 Misskhapstnam Bellysguda 21 16 5 Visskhapstnam Chuttumitta 21 16 5 Visskhapstnam Chuttumitta 26 25 1 Visskhapstnam Gudanaliputu 43 39 4 Srikakulan Seedini 71 68 3 Srikakulan Seedini 71 68 3 Srikakulan Gogalapuran 15 13 2 Vizianagaram Gogalapuran 27 25 2 ast Godavari Boddagandi 31 31 Sast Godavari Chekkavada 73 73 Sast Godavari Kaniwada 104 104	DistrictVillageTOTAL familiesHo, of familiesHo. of land less land less land less land less familiesMisakhapatnanBallyaguda211929.5MisakhapatnanGunttumitta2116523.8WisakhapatnanGunttumitta2116523.8WisakhapatnanGunttumitta262513.8WisakhapatnanGuntumitta262513.8WisakhapatnanGudamaliputu433949.2SrikakulanSeedui716834.2SrikakulanSthi232128.7VizianagaranGoyalapuran1513213.3VizianagaranKondamusuru2424WizianagaranGoyalapuran272527.4ast GodavariBoddagandi3131Sast GodavariKaniwada7373	DistrictVillageTOTAL familiesNo. of familiesNo. of <td>District Village No. of families families with land less land less land less families Store Misskhapstnam Bullysguda 21 19 2 9.5 . 7.29 Misskhapstnam Bullysguda 21 19 2 9.5 . 7.29 Misskhapstnam Bullysguda 21 16 5 23.8 . . Misskhapstnam Cunttumitta 21 16 5 23.8 . . Visskhapstnam Cunttumitta 21 16 5 23.8 . . Visskhapstnam Cunttumitta 26 25 1 3.8 22.06 21.46 Visskhapstnam Gudamsingutu 43 39 4 9.2 92.21 . Szikulniam Seedini 71 63 3 4.2 54.65 . Szikulniam Seedini 71 53 2 13.3 8.95 0.40 Viziansgaram Gopalapurun</td> <td>District Village TOTAL families No. of families Ho. of families</td> <td>District Willage TOTAL families Ho, of families Ho. of families</td> <td>District Village Do. of families No. of families</td> <td>District Willage Wow of families How of families Wow of families Wow of families Wow of families Wow of families We families Parta We famita Parta Parta<td>District Villege No. of families No. of families</td><td>District Village No. of families Ju. of families Jund less land less Jund less land less Jund less land less Jund less<td>District Willing No. of facilies land less land l</td></td></td>	District Village No. of families families with land less land less land less families Store Misskhapstnam Bullysguda 21 19 2 9.5 . 7.29 Misskhapstnam Bullysguda 21 19 2 9.5 . 7.29 Misskhapstnam Bullysguda 21 16 5 23.8 . . Misskhapstnam Cunttumitta 21 16 5 23.8 . . Visskhapstnam Cunttumitta 21 16 5 23.8 . . Visskhapstnam Cunttumitta 26 25 1 3.8 22.06 21.46 Visskhapstnam Gudamsingutu 43 39 4 9.2 92.21 . Szikulniam Seedini 71 63 3 4.2 54.65 . Szikulniam Seedini 71 53 2 13.3 8.95 0.40 Viziansgaram Gopalapurun	District Village TOTAL families No. of families Ho. of families	District Willage TOTAL families Ho, of families Ho. of families	District Village Do. of families No. of families	District Willage Wow of families How of families Wow of families Wow of families Wow of families Wow of families We families Parta We famita Parta Parta <td>District Villege No. of families No. of families</td> <td>District Village No. of families Ju. of families Jund less land less Jund less land less Jund less land less Jund less<td>District Willing No. of facilies land less land l</td></td>	District Villege No. of families No. of families	District Village No. of families Ju. of families Jund less land less Jund less land less Jund less land less Jund less <td>District Willing No. of facilies land less land l</td>	District Willing No. of facilies land less land l	

W_Patta + Without Patta

PLESSURE ON PODU CLEARA ICE

ALLIAK RE VI

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	yillago	Ho.cf families en-	Extent of Podu (nermi)	podu Cleared by Fore fathers			Podu cleared by present generation.		
Listrict o.		families en- gaged on Podu		No.of families		ent ectern)	Ho.of families	Extent (heddwy)	
2	3	4		5	6	; . 	7	8	
			11,84	10	1 0.	020	2	1,823	
L. Visakhapatnam	Ballyoguda	12	20,75	••			16	20,753	
3. Visakh patham	Chuttumitta	16 ~~	16.83	12	10	. 550	8	6,275	
3. Yiziangara Visakhapathan		20 35	53,56	6	11	1 .94 4	29	41.619	
. Visakhapatnam	Gudamaliputtu	68	113.16	68	Ľ	13,149	••	• •	
5. Sirkakulam	Sceth	18	16.72	18	נ	6.720	• •	••	
5. Srikakulam	Althi	13	31,58	13	5	31,579	••	**	
7. Vizianagaram	Gopalapuram	24	44.34	24		44,334	••	••	
3. Vizia:garam	llondamusuru	23	37.85	23		37.854	•• •	••	
9. Viziangaram	Toupalapadu Boddagandi	31	25.10	15		14,575	16	10,526	
10. East Godavari	Kaniyaûa	104	98.93	67	7	59,696	37	39,231	
11. 2-st Godavari 12. Eest Godavari	Chekkavada	70	70.85	; 61	B	68.016	2	2.834	
Total	·	434	541. (741		324 (77x27%)	413,437	. 110	123.060	
•			(***		(74.65%)	(77,27\$)	(25.35%)	(22.73%	

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ADDUXUZO-VII

DETAILS OF BASITRACILIFICKS AVAILABLE IN AND ABOUND THE APPLS VILLARS AND IN POUR L.T.T.T. ...

			Datatte, et.																					
	1.) 1. ;)istiot/ [.T.D.L	village	villege ;	έÅ ι	listance - from Rai- Lury stat-	.	Beed quarters type of [road	Blactri.	10 TO	- Sutenon	drinking water	post - office -		- Leital	veterinary-	fuirrates -	standy, -	- IPth ITE	Boile	ASTER -	R1.6th -		Eostel .
		aukingstand Padaru	Bullyaguu	4illeok	5.0	10	18	•	:ha ne	, :		1 <u>(11</u> Straw	5	1)	10	10		10	•	1.5	5	10	10	10
)	2.	-de-	Chattanitta	-40-	0.5	69	0.5	-do-	- 49	•	yes 1	Bore Wall	0.5	0.5	0.5	0.5	0.5	0.5	ye 8	0.5	0.5	0.5	23	0.5
2	3.	-do-	Konaamaohul	la foct all	2.0	116	15	fue		9 8		ษบ	2	15	3	3	2	2	yes	1	3	15	ぢ	15
	4.	-49-	Lidenaliput		3.0	88	12	أندو م ار ب		10	DO	atrema -do-	1.5	12	.12	1.5	1.5	12	уев	1.5	1.5	12	50	12
		rikakul -m/ Sestampeta	5ee <u>d.:1</u>	∟illock	6.0	43	15	ko	tch# ;	уеа	no	dore Well	6	15	0	15	2	15	2	уев	2	15	28	8
	6.	-do-	altai	-de-	6.0	8	52	; _	do-	no	yes	well	7	15	15	15	1	8	15	уөв	1.0	13	15	7
	7.V P	izian	նոր.1.այստ	an Pootid	11 2.0	4	06	-	-do-	yos	n.e	bere wall	1	6	6	3	1	6	1	уев	6	6	20	1
	8	do-	Kandanua.	n silles)	r 31.	.0 3	31 :		foot7 p_th	Ro	140	1111 1 111	8	31	31	31	10	20	4	уөя	12	r 21	31	12
	9.	-do.	Tompulipa	du footid	13	• 0	56	34	-30-	nə	BO	well	. 9	20	20	19	708	19 . 1 '	X ANX	3es	2 0s	20	B4	20
	19.	East Gousvari/ Rampuo sodevaran	Boddagadd	L hillos	k 10	.0	191	2.1	-do-	PO	RO	hil) str		25	18	10	18	18	уes	; . 68	18	18	150	18
	11.		Zanivada	<u>bill</u> s	itery 55	j.O	135	40	-do-	D0	уөв			55	40	55	20	20	7¢a	уев	20	55	60	20
	12.	-de-	Chekk-yad	la fout.	an 3:	j . 0	115	35	-¢≎-	- no	у ува	بە – ئو	- 5	3	3 5	35	15	35	уев	уөв	15	35	60	35

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ANNEXURE_VIII

ECONOMIC STATUS

S1. No.	Name of the District	Name of the Village	Total popu- lation	Ear- ners	Non- ear- ners	% of ear- ners	Percentage of non- earners 8
NO.	DISCITCE		4	5	6	7	0
l	2	3	4				31.52
			92	63	29	68.48	
ı.	Visakhapat- nam	Ballyaguda		42	48	46.67	53.33
2.	Visakha-	Chuttumitta	90	70	49	58.82	41.18
3.	patnam Visakha-	Kommaron- chula	119	127	64	66.49	33.51
	patnam	Gudamali-	191	101	1.1.2	66.76	33.24
4.	Visakha- patnam	puttu	331	221	110	69.01	30.99
5.	Srikakulam	Seedhi	71	49	22		37.50
6.	Srikakulam	Althi	12-12-12	45	27	62.50	
0.		n Gopalapuram	72	52	56	48.14	51.86
7.	Vizianagaran	m domu suru	108		49	59.83	40.17
8.		anadu	122	73	74	49.66	50.34
9.	Vizianagara		147	73		53.85	46.15
10	E. Godavari	Boddagondi	338	182	156	-	40.71
10.	- a-dovari	Chekkavada	444	263	181	59.29	40.71
i starous	- a-dovari	Kaniwada				59.29	40.71
12			2125	1260	865	59.25	
	Total:						

Total:

ATTIPATIONAL PATERAL

Annaxure - 1x

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		······						<u>JULTURE</u>				-		
ie.	<u>Distri</u> ct	4TT1024	Potal No. of funilion	No. of families with podu cul- tivation enly	Pursen- tays	No. of families with poin and setiled suitivation	Percen- tage	io. of fani- ling with sattled oul- tivation only	Porusa- tago	· No. of families depending on ignl. labour enly	Parosu- tage	No.of families depending on non- -grl. labour only	Porten- tage	Others (mpleyses)
					9.5	 10	47.6	7	33+4	2	9.5	••	••	••
1.	Tieskhape to m	Jall Analysis	21	2				••		4	19.1	1(Hason)	4-7	••
2.	Vis-khap that	Chattonitte		16	76.2 19.2	 15	•• 57•7	.5	19.3	1	3.0	••	••	••
3.	Vi saki spatnan	Kom zonobi		5	20.9	26	60.5	4	9.3	4	9.3	••	••	••
4.	Vi sakhapatnan	Gudamaligut		9			13+3		••	3	4.2	••	••	••
5.	Srik.kul.m	Seedini .	Tì	16	22.5	•			13.0	2	8.7		••	••
ó.	⇒ <u>rikekul</u> .a	a1101	23	6	26.	·	52,2	3			13.3	••		••
7.	Vi 21 Jan Jawa Tam	Gepalupur	wa 15	1	6.7	12	60.0	**	••	2	.,.,			
8.	Vizianag	Kondamusu	ITU 24	••	**	24	100.0)	••	••	••	••	••	••
9.	Vizin girm	Temp 1.p.		6	22	.3 17	62.9	2	7.4	••	••	••	••	2
10.	Enst Godavari	Boddagan	ai 31	1 1	3	.2 30	96.0	• ••		••	••	••	••	••
11.	East Godav-zi	Chekkava	da 7	38	1	0.9 62	84.	93	4+1	••	**	••	••	••
12.	East Godav		. 1	04 72	I	69.2 32	30.	.6	••	••	••	••	••	••
		Totals		179 142		29.7 292	60	-9 24	5.1	18	3.7	1	0+2	2

AINTEXONE - X

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SIZE GROUP OF PODU HOLDINGS

31. No.	District	Village	No.of fami- lies with Podu lands	Size of t	the Podu hold	ings (neres/H	lectares)			Total families with
				Below 1	1.1 - 2.00	2,1 - 3,00	3.1 - 4.00 4	.1-5.00.A	Jova 5	Podu land
				(0.405)	(0.046-0.81)	(0.82-1.21)	(1.22-1.61))(1 2	1.620- (: .024)	2.024)	
 1	2	3	4	5	6	7	8	9	10	11
				4	3	2	630	3		12
l.	Visalhopatnam	Ball yaguda	12		5		••			
2.	Visalhopstnam	Chuttumitta	16	5	••	4	••	õ	2	16
з.	Visakhapatham	Kommaronchula	20	7.	7	4	1	1	• •	20
4.	Visakh patnam	Gudameliputtu	35	J	8	7	в	5	6	35
÷.	Srikakulam	Seedhi	68		5	1:	14	15	33	68
8.	Srikskulam	Althi	. 18		6	Ā	6	••	2	18
7.	Vizinnagaram	Gopalapuram	13				3	6	5	13
8.	Vizionagaram	Kondamusuru	24		2	6	7	G	5	24
э.	Vizianajaram	fonpalapadu	23		3	4	8	5	4	23
10.	East Godaðari	Boddagandi	31	10	16	3		.2	l	31
11.	East Godavari	Kaniwada	104	44	54	6				104
12.	Enst Godavari	Cheltkavada	70	42	22	6	••	•••		70
		fotal:	434	 113		5 57		 46		
				(26.03)				40 (10.50,j)	47 (10.82;;)	434 (100%)

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A THAL REP THIS AND NET INCOME IN MET LAND CILLIVATION

1. io.	Listrict:	Village:	Extent of wet land under cul- tivation (!lectares)	Fotal out- put value . (Rs.in Millions)	Per hectare out out value (in Rs.)	Cost of cultiva- tion par Hectare. (in Rupes)	Net income per hectare (in Rupees)
1	3	3	4	5	6	7	8
		Ballayaguda	6.073	0.0180	2060	864.50	20 19.50
1.	Visakhapatnam Visakhapatnam	Chuttumitta		••			
3.	Visakhapatnam	Kommaronchula	••	• •		••	••
	Visakhopatham	Gudamaliputtu	17.712	0.0452	2560	592.80	3210.70
4 .	Srikakulam	Seedhi	9,019	0.0343	3460	864.50	2593.50
6,		Althi	6,093	0.0185	3040	666.00	2371.20
7.		Gopalapuram	2.429	0.0059	2460	132.30	2025.40
8.		Kondamusuru	0.809	0.0021	2620	534.50	2074.80
э.		Tompalapadu	12.754	0.0347	2720	469.20	2247.70
00000	. East Godavari	Boddagandi			••	531.00	1933.00
	. East Godavari	Kanivada	6,518	0.0162	2410	331.00	
12	. East Godagari	Chekkavada			••		**
	Tot		62,307	0.1749	2807.60	620.60	2187.00

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ANNEXURE -XII

AUTIVAL REFURNS AND NET INCOME IN DRY LAND CULTIVATION

Dis	trict	Village	Extent of dry land under cul- tivation (Hectares)	Total output value (Rs; Millions)		per hectare (Rs.)	
47	sakhapatnam	Ballyaguda					
	Lsakhapatnam	Chuttumitta				679.25	1852.50
		Komaronchula	43.52	0.1100	2531.75	568,10	1851,51
218	lisakhapatnam	Gudamaliputtu	92.21	0.2234	2419.61		1803.10
4.	Visakhapatnam	Seedhi	54.85	0.1233	2247.70	444.60	
5.	Srikakulam		3.91	0.0087	2226.95	419.90	1807.05
6.	Srikakulam	Althi	9.35	0.0194	2074.80	345.80	1729.00
7.	Vizianagaram	Gopalapuram		0.0518	1561.04	296.40	1264.64
8.	Vizianagaram	Kondamusuru	33.20	0.0353	2348.97	531,05	1817.92
9.	Vizianagaram	Tompalapadu	15.01		1882.14	345.80	1536.34
10.	East Godavari	Boddagandi	23.68	0.0445		329.74	1359.73
11.	East Godavari	Kanivada	23.42	0.0396	170348	321.10	1403.95
12,	East Godavari	Chekkavada	80.55	0.1389	1725.05	251.10	1409.00
		Tota	1: 379.70	0.7949	2093.82	428.30	1665.77

ANNEXURE-XIII

ANNUAL REFURNS OF NET INCOME IN FODU CULTIVATION

			Extent of Podu	Total out put value	Per hectare out put value in Rs.	Cost of cultiva- tion per hectare (Rs)	Net income per
No. D	Lstrict		land under cul- tivation (Hectares)	in Millions			
				0.0184	1877.20	666.90	1210.30 1057.14
1. V	1sakhapatnam	BUTTASAga	9.82	0.0091	1470.64	412.50 370.50	975.65
100000	Visakhapatnam	Chuttumitta Kommaronchula	6.19 14.80	0.0188	1346.15 1783.34	494.00	1289.34
3. 4.	Visakhapatnam Visakhapatnam	Gudamaliputhi	17.74	0.0316 0.088 9 .;	1771.00	531.00	1240.00
5.	Srikakulam	Seedhi	50.19 7.00	0.0114	7630 .80	419.90 518.70	1210.30 1155.96
6. 7.	Srikakulam Vizianagaram	Althi Gopalapura		0.0254	1674.66 1988.35	738.50	1240.85
.8.	Vizianagaram	Kondamusur		0.0439	1615.38	439.66	1175.72
9.		Tompalapo Boddagand		0.0350	139 3. 08	395.20 438.42	997.88 1117.68
10 11		Kanivada	66.84	0.1040 0.0722	1556.10 1578.33	395.20	1183.13
12	. East Godavari	Checkkav	vada 44.94		1655.64	484.98	1170.66

ANNEXURE -XIV

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A. JUAL I. COME OF FAMILIES-AVERAGE ANNUAL INCOME PER FAMILY

													<u>8</u>		(Rs.	in Million	s)
Di	Istrict	Village	No.c tota	al 11-	Agri- cul- ture	tur		Non.Agl. labour	M.F.P	. Fo: la	rest bour	Live stock			Others	Total	Average Annual income per family (in Rs.)
									0.001		-	0.002			0.010	0.081	3875
1.	Visakhapatnam	Ballyaguda	23		0.036		.031		0.001			0.019		-	0.015	0.094	4466
2.	Visakhapatnam	Chuttumitte	2		0.009		.018	0.031			0.005	0.001		-	0.003	0.130	4999
з.	Visakhapatnam	Kommarenchul		26	0.106	1	210.0	0.004	0.00			0.001	-	-		0.244	5680
4.	Visakhapatnam	Gudamaliput	tu	43			800.0		0.00			6.003	-		0.019	0.309	4347
5.	Srikakulam	Seedhi		71			0.033		0.00						0.002	0.072	3151
6.	Srikakulam	Althi		2			0.022			003		0.00	L		0.007	0.071	4699
7.	Vizianagaram	Gopalapur				051	0.009			009	0.004					0.:110	4596
9.	Vizianagaram	Kondamusu		3		085	0.01			.002		0.00		0.024		0.118	4384
9.	Vizionagaram	Tompalpad				.077				.002		0.0			0-009	0.106	3427
10	. East Godavari	Boddagan				.080							025	0.005		0.369	3544.
11	. East Godayari	Kanivada				.296				0.037			120			0.0240	3286
12	. East Godavari	Chekkava	da		73	0.211	0.0	60	-	0.009	0.0	บ				0.9240	0000
				-													
		Total:			479	1.46	8 0.	186 C	.034	0.076	0.0	020 0	.064	0.02	9 0.068	1.944	4059

					<u> </u>								(lis. in Mil.	lions)		
	District	Village	No. of total families	Food	Clothes	Edu- cation	n & (Cole- ations	hold			House repair	Liquor	Others	Inveti- ment on Agri.	Total	average expenditure per family (in R.)
-	2	3	4	5	6	7	8	9		10 1	11	12	13	14	15	16	17
		T. 33	21	0.059	0.008		0.	005		0.003		0.0025	.0042		0.012	0.094	4497
	. Visskhapatnem	Tallyaguda Chuttumitta	21	0.070	0.013		0	.014	0.004	0.003			0.0042	0.0042	0.002#	:0.115	5476
	2. Visakhapatanam	Kama.ronoinla	26	0.080	0.012		C	.007	0.003	0.003			0.0160		.013	0.143	5494
	 Visakhapatnan Visakhapatnan 	Gudamaliputtu	43	0.120	0.018			0.021	0.012	0.006	••	••	0.0378	0.0107	0.962	0.287	6600
	5. Srikakulan	Seedini	71	0.160	0.02	2		0.017	0.010	0.009	0.0067	0-0300	8:0300	8:8793	8-314	x4419 0.314	4419
	6. Srikakulan	Lithi	23	0.05	0.0	· ro	•	0.006	0.001	0.002	0.0005		0.0063	0.0050	0.009	0.088	3815
	7. Vizian-gar	m Gogalegues	15	0.0	45 0.0	200	••	0.002	0.001	0.004		0.0030	0.0076	••	0.008	0.073	4886
	8. Vizianagen	can Kondunau	n. î	4 0.	062 0.	.010	••	0.014	0.002	0.004	0.0009	0.0048	0.0183	0.0084	0.018	0.142	5929
	9. Vizian-E.	aram Toupel-p	ά u	27 0	.073 0	.022	0.001	0.011	0.003	0.003	0.0006	0.0126	0.0052	0.0039	0.012	0.148	5463
	10. East God	dav-si Lodd-ga	d1.	31	0.070	9.005	••	0.00	5 0.002	0.004	0.0004	0.0032	0.0063	0.0031	0.009	0.108	3474
	11, East Go	anjvai Kanjvai	a	104	0.193	0.010	••	0.0	16 0.028	0.00	9 0.0026	0.0064	0.0183		0.029	0.318	3059
	12. Eust G	odavari Ch2de	vade	73	0.136	0.018		0.0	0.00	0.00	0.001	7 0.0105	0.0350		· 0.016	0.243	3924
		Total	. –	479	1.123	C. 148	0.0	c 1 0	.129 0.0	69 0.0	059 0.01	36 0.043	0 0.197	2 0.057	0.230	2.073	4327 - 15

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AVERAGE MANUAL EXPENDITURE OF FAMILIES

Annexure - XV

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	ict —	V111 ag 0	fand lies		fami lies	- taken	Interes	st Amour ropai	d fani- lies	cash 1	n 	Interest		No.of fami- lies	taken	Interest	Amount repaid
1 2		3	4	5	6	7	8	9	10	11		12	13	14	15	16	17
. Visakhapatn	nam Bally	aguda	21	5	1	4000	11%	1600						43004	4300		
. Visakhapata	ham Chutt	umitta	21	17	. 4	2800	11,%		. 13	/	21.50		100				
Visakhapatn	nam Tomma	ronchula	26	8	l	800	11%	600	6	5600 (cloth)	50%		1	60		
. Visakhapatn	nam Gudam	liputtu	43	23	18	43800	11%	19100						6	7500	973876 	
. Srikakulam		i	71	6	6	6300	11%										
. Grikakulam			23	5	5	10000	11%										
. Vizianagara		apuram	15	8	4	840	11%		з	900	420 (grain)			1	600		600
. Vizianagar	am Konda	amusuru	24	16					11	16600		25%					
9. Vizianagar		alapadu	27	15					15	5000		24%					
10. East Goday		agandi	31														
11. East Goday		kkavada	73				-										
12. East Goda		wada	104														
			479	103 (21.50,3)	38 (36,89	68540 (60.13)	, <u>در</u>	21300 (31.07)	48 (49.48)		2570 1)	50,5 25% 24,5	900 (2.93;	12) (12.37)	12460 \$1(10.93;		600 (4.8
Contd.												• • • • •	•				
Contd.	::0,0î f	Cami- Amou		lon nterest	Amount	; repaid	Total indebt	amount	Average debt per	 family							
Contd.	lies	Cami- Amou taku	unt In en	nterest	Ano unt			ed		 family							
Contd.		Cami- Amou	unt In en		Amount	repaid 21	indebt	ed	debt per	 family							
Contd.	lies	fami- Amo taka 19	unt In en	nterest			indebt 2: 	ed	debt per								
Contd.	lies 18	Cami- Amou taku	unt In en	20		21 	indebt 2: 83	2 2	debt per 23	family							
Contd.	lies 18	Cami- Amol take 19	unt In en	20		21 	indebt 2: 83 49	2 	debt per 23 	family							
Contd.	lies 18	Cami- Amoi taka 19	unt I en	20 		21. 	indebt 2: 83 49 64	2 200 950	debt per 23 1660 354	family							
Contd.	lies 18 	Cami - Amoi takı 19 	unt In en	nterest 20 		21 	indebt 2: 83 49 64 51:	2 2000 950 1460 300	23 23 1660 354 808 2565	family							
Contd.	lies 18	Cami - Amoi taka 19 	unt In en	20 		21 	indebt 2: 83 49 64 51: 65	2 2 2 2 2 2 00 2 50 2 60 300 300	debt per 23 1660 354 808	family							
Contd.	lies 18 	Cami - Amol taka 19 	unt In en	nterest 20 		21 	indebt 2: 83 49 64 51: 6: 10	2 2 2 350 350 300 300 000	23 23 1660 354 808 2565 1050								
Contd.	lies 18 	Cami - Amoi taka 19 	unt In en	20 		21 	indebt 2: 83 49 64 51: 63 10 2	2 2 2 2 2 2 00 2 50 2 60 300 300	23 23 1660 354 808 2565 1050 2000								
Contd.	lies 18 	Cami - Amoi taka 19 	unt In en	20 		21 	indebt 2: 83 49 64 51: 6: 10 2 18	2 2 2 350 460 300 300 000 7760 9900	23 23 1660 354 808 2565 1050 2000 345								
Contd.	lies 18 	Cami - Amoi taka 19 	unt In en	20 		21 	indebt 2: 83 49 64 51: 6: 10 2 18	2 2 2 2 50 460 300 300 000 7760	23 1660 354 808 2565 1050 2000 345 1182								
Contd.	lies 18 	Cami - Amoi taka 19 	unt In en	20 		21 	indebt 2: 83 49 64 51: 6: 10 2 18	2 2 2 350 460 300 300 000 7760 9900	23 1660 354 808 2565 1050 2000 345 1182								
Contd.	lies 18 	Cami - Amoi taka 19 	unt In en	nterest 20 11,6		21 	indebt 2: 83 49 64 51: 6: 10 2 18	2 2 2 350 460 300 300 000 7760 9900	23 1660 354 808 2565 1050 2000 345 1182								
Contd.	lies 18 	Cami - Amoi taka 19 	unt In en	nterest 20 11,6		21 	indebt 2: 33 49 64 51: 10 2 18 5 -	2 2 2 350 460 300 300 000 7760 9900	23 1660 354 808 2565 1050 2000 345 1182								

		<u> </u>	<u>2119 - VAL UB</u>			A			
31. Fistrict No.	Village	Total No.of fami- lies.	Total As Land	House Site cattle or _Gonts	(Rs.in Mill Live stock	House ho ld equipment (Includ- ing gok)	Agrif. oquip- ment.	- '13t āl "	Averago Assot value (in Rupees)
2	3	4	5	6	7	8	9	10	11
. Visakispatnam	Ballyaguda	21	0.211	0.031	0.031	0.051	0.003	0.328	15606
. Visakispatnam 2. Visakhapatamam	Chuttumitta	21	0.103	0.094	0.086	0.038	0.006	0.326	15541
3. Visakhopatham	Kommaronchula	26	0.362	0.052	0.056	0.048	0.005	0.524	20138
4. Visakhajatham	Gućamaliputtu	43	1.293	0.108	0.067	0.103	0.006	1.576	36655
5. Srikakulan	Seedhi	71	1.023	0.142	0.096	0.050	0.016	1.327	18637
6. Brikakılam	Althi	23	0.329	0.092	0.013	0.015	0.004	0.458	. 199 20
7. Viziangaram	Gopalapuram	15	0.154	0.023	0.017	0.007	0.003	0.204	136101
8. Vizianjaram	Kodamusuru	24	0.452	0.024	0.085	0.014	0.008	0.583	34 297
). Viziougaram	X Topal apadu	27	0.493	0.054	0.046	0.062	0.009	0.664	24 613
10. East Gocavari	Boddagandi	31	0.239	0.047	0.091	0.016	0.006	0.308	12850
11. 2-st Godrvari	Kanivada	104	0.576	0.351	0.100	0.065	0.030	1.213	11661
12. Zast Goda ari	Chekkavada	73	0.760	0.584	0.124	0.020	0.015	1,504	30 50 9
lotal:		479	5,095	1.602	0.008	0.480	0.111	9.105	19009

A. ... BAURB - XVII

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ANNEXURE - XVIII

INTEGRATED TRIBAL DEVELOPMENT AGENCY-WISE DETAILS OF SHIFTING CULTIVATORS

Total No. of families	under or	ultivation with the second	5	Ne.of fami- lies engaged in pedu eutside Reserve Forest	acti	ive shifti	ing		011 111	ation of all	
	Dry.		Total	TribalS	Hill top	Sleps	Neet hills	Total	Dry	Wet	Total
9051	1100	2534	3634	9051	-	4901	381	5282	741	1844	2585
11920	8838	1420	10258	8696		7396	-	7396	55 59	771	6330
47117	38615	18683	57296	25383	6632	7080	7817	2152 9	21159	370	21529
9714	7242	636	6 7878	6871	769	6140	343	7252	5 9 55	149	6104
			273 7906	- ·	 7401	· 1 25517		41459	 3341 4		
	No. of families 9051 11920 47117	Ne. of under of families in the Excludi Dry. 9051 1100 11920 8838 47117 38615	No. of under oultivation families in the filtration Excluding Pedu Dry. Wet 9051 1100 2534 11920 8838 1420 47117 38615 18683	No. of under cultivation families is the vallences Excluding Podu Dry Wet Tetal 9051 1100 2534 3634 11920 8838 1420 10258 47117 38615 18683 57296	Ne. of under cultivation lies engaged families is the filteness in pedu eutside Excluding Pedu Reserve Forest Dry Wet Tetal TribalS 9051 1100 2534 3634 9051 11920 8838 1420 10258 8696 47117 38615 18683 57296 25383	No. of families under oultivation is the under Excluding Podu lies engaged in podu eutside Reserve Forest active oul Drg. Wet Total TribalS Hill top 9051 1100 2534 3634 9051 - 11920 8838 1420 10258 8696 47117 38615 18683 57296 25383 6632 9714 7242 636 7878 6871 769	No. of families under cultivation in the unitivation Excluding Pedu lies engaged in pedu outside Reserve Forest active shift oultivation Dry. Wet Total TribalS Hill Sleps top 9051 1100 2534 3634 9051 - 4901 11920 8838 1420 10258 8696 7396 471117 38615 18683 57296 25383 6632 7080 9714 7242 636 7878 6871 769 6149	No. of families under oultivation is the withers lies engaged in peau outside Reserve Forest active shifting oultivation Drg. Wet Tetal TribalS Hill Sleps Forest top active shifting oultivation 9051 1100 2534 3634 9051 - 4901 381 11920 8838 1420 10258 8696 7396 - 47117 38615 18683 57296 25383 6632 7080 7817 9714 7242 636 7878 6871 769 6140 343	No. of families under cultivation is the under Excluding Polu lies engaged is pelu eutside Reserve Forest active shifting oultivation Dry. Wet Total TribalS Hill top Sleps under Station Tetal 9051 1100 2534 3634 9051 - 4901 381 5282 11920 8838 1420 10258 8696 7396 - 7396 47117 38615 18683 57296 25383 6632 7080 7817 21529 9714 7242 636 7878 6871 769 6140 343 7252	No. of families uster oultivation is bee withers Excluding Pedu lies engaged is pedu eutside Reserve Forest active shifting oultivation oultiv oultivation Dry Wet Tetal TribalS Hill top Sleps Tetal Dry 9051 1100 2534 3634 9051 - 4901 381 5282 741 11920 8838 1420 10258 8696 7396 - 7396 5559 47117 38615 18683 57296 25383 6632 7080 7817 21529 21159 9714 7242 636 7878 6871 769 6140 343 7252 5955	No. of families under cultivation is the witherse Excluding Pedu lies engaged is pedu cutside Reserve Forest lies engaged active Shifting oultivation cut of the filt oultivation cut of the filt oultivation 9051 1100 2534 3634 9051 - 4901 381 5282 741 1844 11920 8838 1420 10258 8696 7396 - 7396 5559 771 47117 38615 18683 57296 25383 6632 7080 7817 21529 21159 370 9714 7242 636 7878 6871 769 6140 343 7252 5955 149

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SI, He. I.T. D.A.,	Total mo. of familion by the	No, of familics engaged in podu	percenta se of pedu oultivaters	of land including podu land	of podu land	land to total land		
1 2	3	4	5	6	7	8		'
								•
Sectimente		1051	100	4864	2648	54.4		
1. Pottikevalasa	4254	4254		1421	1299	91.4		1
2. Kusimigadda	2101	2101	100			83.9		1 2
		1779	109	1066	894	85.5		
3. Pollagadda	1779	917	100	516	441			•]
4. Gajjiligadda	917			7867	5282	67.1		
Sub-total	9051	9051						
Be seen the pure B					0.65	67.9		1
Parvathipuram	4186	1103	73.7	1421	965	57.6		
1 . Gunnid 1 gadda	1496	1208	77.5	1655	953	66		
2. Peddagadda	1559	1049	83.6	1249	824			
5. Pedda gadda-I	1255		84.6	2426	820	33.8		
4.Ichapu~am	1157	979	78.9	10 60	784	74		
5.Nagavall	985	777	71.1	864	485	56.1		
6. Go makhi	709	504	45	893	485	54.3		ſ
7.Vogavathi	1197	538	79.9	815	474	58.1		1
8. Puliputti	871	696	76.5	991	463	46.7		1
9.Vettigadda	604	.462	81.6	719	437	60.8		Y
10 Suvarna Mukhi	592	483	73.6	799	435	54.4		
11.Poddagadda-II	588	433	51.2	834	271	32.5		
2. Pedasekha, K.Gadda	907	464		13726	7396	53.9		
	b-to tal. 11920	8696	72.9					
			(0.7	33944	16972	50		
Padery Silery	34435	21481	62.3	3744	1872	50		
2. Sarada	4537	1839	40,5	2970	1485	50		
5. Gesthani	2556	817	32	938	4 69	50		
4. Yeller	1964	509	25.9	m 882	441	50	•	
5. Thandava	2310	482	20.9	304	152	50		
6. Champavati	776	117	15.0	276	138	50-		
7. Varaha	47117	2538	3 53.9	43058	21529			
Sub-Total								
Rampachedavaram:			67.1	4815	2598	53.9 51.6		
1.See thampalli	37 18 2377	2494 1858	67.1 78.2	4815 3738	1931	60.7		
2.Pamuleru 5.Seleru	1446	956 846		1930 1615 686 324	1172 882 364 165	54.6		
A. Godavar1	1226	846	88.2	686	364	54.6 53.1 50.9		
5. Pampa 6. Yettikalvya	442 206	390 177	86	324 248	140	56.4		
7.Vanoha ngi	299	150	50.2			··· · · · · · · · · · · · · · · · · ·		
			<u></u>					
	1	1:						
	1		1					
	1				11			

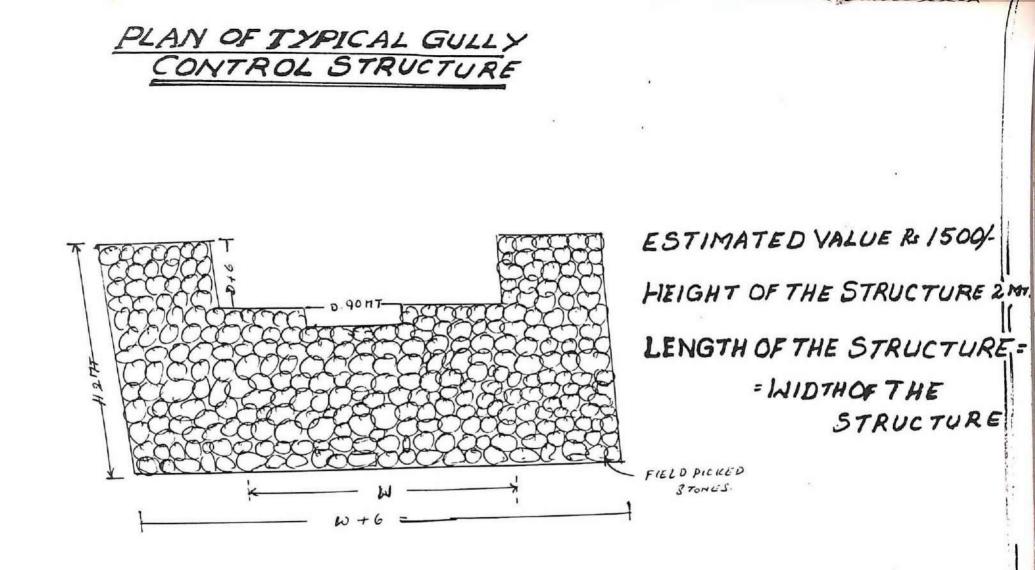
				Extent under Podu (Nectares)								
 51.No	/ 	T D A T Shed	10.01 villaj	Podu N os fi	o.of Podu amilies	Hill top	Hill slop	e Foot	hills	Total		
								•				
	SECT.11	1.PETA					2447	203	1	2648		
		3	28		254		1228	7		1299		
1.		a valasa	19	31	.01		832	7		894		
2.	Kusimi		30	17	79		404 (4901		7 (381)	441 (5282)		
з.	Pollag		13 (80)	1 5)17 (9051)		-10-1(-1001	.,				
4.	Gajjil	igadda										
뚧.	a totta	TIPURAL								200		
	Burre	IF OAAL			<u></u>		965			965		
	Correct	digadda	40		03		953			953		
1.		adda	20		1208		824			824		
2.	1000 A 2000 A	gadda - 1	34		049		820		- 8	820		
з.		The second	22		979		784	-	-	784		
4.		apuram	24		777		485	-	-	485		
5.		avali	22		504		485			485		
6.		nulthi	13		538		474			474		
7.		zavathi	22		696		463			463		
8.	interior and a second	lipatti	15		462					437		
Э,		ettijadda	11		483		437			435		
70		uverna l'ukhi	18		433		435			271(7396)		
1		pedagadda-II		6(266)	464 (8696)		271(7	(396)				
3	.2.	Peda sekha Kondagadda		(2007								
		PADERU				50 54	54.34		5884	16972		
		Sileru	138	0	21481	5654	923		793	1872		
	1.	Sarada	2	20	1839	156	437		408	1485		
	2.	Costiani	l	28	.817	640 56	48		337	441		
	з.	Thandova		36	482	107	84	Ŧ	278	469		
	4.	Yeleru		26	509	101	15			152	1	
	5.	Champavathi		16	117	19	1.11	2	117	138 (21529)		
	6.	Varaha		10	138 (25383)	(6632)	(70	(080	(7817)	(21529)		
	7.		(1)	316)	(20000)			236	119	2598		
		RAMPACHODAVARAM		58	2494	2A3		236 681	75	1931		
	1.	Ject.apalli		58	1858	175		872	102	1172		
	2.	Pamuleru		40	956	198		799	6	882		
	з.	Sileru		25	846	77		299	23 13	364 165		
	4.	Godavari Pampa		īi 5	390 177	2	3	124 129	5	140		
	6.	Yattikalua	2.8	7	150	(76	6 9)	(6140)	(343			
	7	Vanchangi		(204)	(6871)	740	1000	25517	8511	41459		
		G	rand Totel:	2366	50001	1	1.85,1	61.1.0.4				

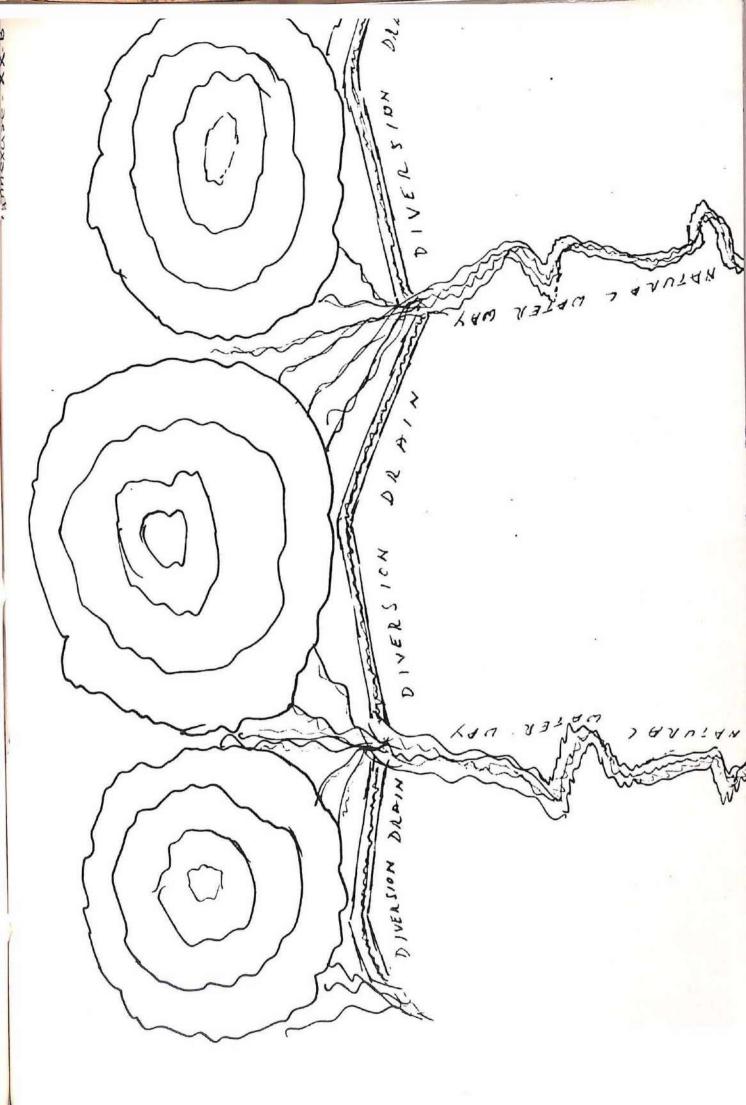
ILLEWRE - XIX

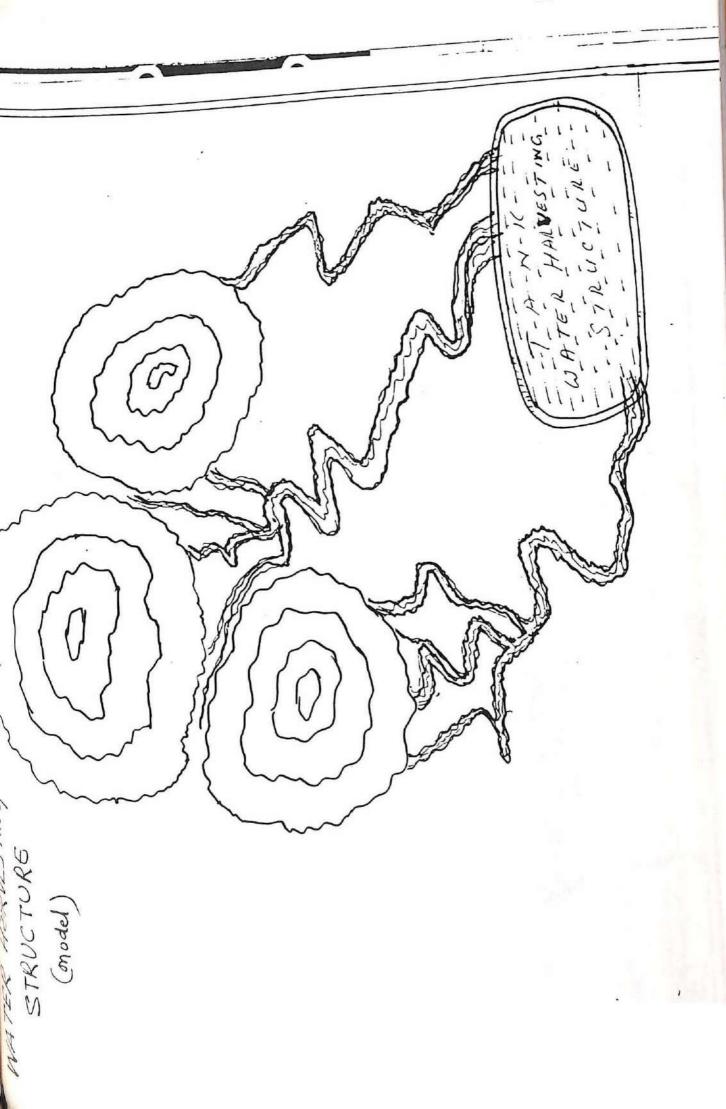
	UPDATI	(Rs.in M	(Rs. in Millions)		
S.No	. I.T.D	ToF.A.L(80)	() (^{3_te} .20%)	Pot.1	
		0.02	0.03	0.10	
1 . 2.	Seethompet Parvathipuran	-	-	-	
3.	Paderu	-	- 3.67	4.58	
4.	Ranpachodavaran	0.91			
۰ - ,			3.75	4.63	
	GRAND TOTAL	0.93			

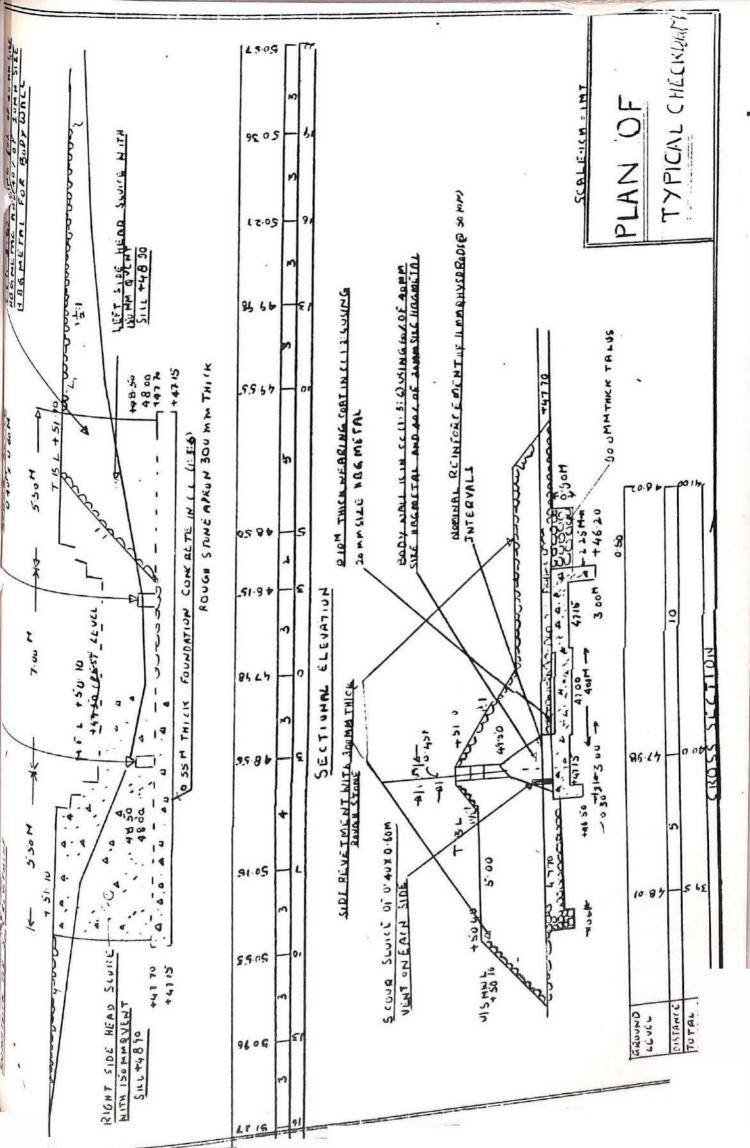
Espenditure (Rs. in Millions)

			<i>,</i>	Non-Recurring	Total
1.	<u>Recurring</u> Salaries of staff	1	2.50 Jeep	0.13	2.63 1. 20
2.	T.A. and D.A.	:	1.00 Typewr & Photo copying	0	0.30
3.	Contingent Expenditure	•	0-30 copying 0:30	а ^х	0.30
4.	Measurement Equipment	•			0.15
5.	Cost of survey boundry marks	-	0.15 	0.33	4.58
	Total :	-	4 ° C J		









		SOLL CONBERVATION MEASURES	MERSURES			
					(G. fm Millions)_	ns)
, e	Area projosed for troat neis- res-		Unit Cos	T.F.A.D.	A TOUNT R. UILED State Share	Total
			5		1	1 1 1 1 1 1 1 1 1 1 1
1. Samework	5282	1. Craded Bun ing 2. Stone Terrasing 5. Sonch Terracing 4. Galley constantion	0===	6.34	1.50	7.92
2. Partururui	15171		0.0005 Heet. 0.0145 " 0.0016 " 0.0012 Hes. 0.0015 Hes.	16.17	20°	20.20
3. Padera	- 4597			3.63	0.91	4.54
4. Rung choã. v Eun	14031	 Staticous James Stone Checks Diversiondanians Jater Harvesting Structure Vattivern Nursing Vattivern Bunding Gaily Plugging Diversion Dacing Muter harvisting structure 	0.0005 " 0.0005 " 0.003 1 Km. 0.011 R. 0.001 R. 0.005 "		\$6°C	4.63
	39041			39-82	7.46	37.29
		ı				

NALE U.S. - XXI

P. 4,200 South Cartar any light lands 1-50 10 sparts 67 20 170 South 2871 W for convita mild of statistic starting mild of statistic starting mild of statistic starting mild of statistic starting mild of statistic statistic statistic mild of statistic s	10		Kor wetter	1 1 1	and a serie of a new grand grand	- See -	1 - 1 - 1 - 1		- 01	Description	Quedity	ty hto	fer	Atto for Amount. Attonession
 1170 Serie we affective and and and and and and and and and and			4,300 tao	15	caring amay light Jungle.		10 žą=a ts -							
 17.4 Josef & UM Series and Josef &			170	Teal			O Cum-	1005	I	Matgrials !				
200 Setti wark eccentian and degations 70-00 10 Gues 400 200 Setti wark eccentian and degations 70-00 10 Gues 400 201 Setti wark eccentian and degations 70-00 10 Gues 400 201 Setti wark eccentian and degations 20-00 10 Gues 400 201 Finance or the main and degations 20-00 10 Gues 400 202 Setti wark eccent and for and				Life Lay	l lead of 10 Metros and t af 2 Metros in loany and rey soile like black osttan				÷	C den ein t	23.40 M. Tone	23-40 1200.00 1 H.T.	1 4.5	280.60
 Constrained and Franchister and Arrie and Arrie			0	gran	ļ			807	\$	40 MM. B.B.G.Ketal	00000 Cuas	26.60	56.60 1 Cua-	3681
 Pickan of the analysis of the state of the state of the state state state of the state state of the state of the							• Enc) o	3±	£	20 MM. H.D. G.Wetal	48,00 Cua-	53.40	53.40 1 Cup.	4483
 To bustians ugle 3 Caue in dias re- quirring bilatting. To c.c.(17516) undar 60% of 0 Mir, 453.000 1 Caue. 34428 Caue area Bib.Coluctual act 40% of 20 Mir, 453.000 1 Caue. 34428 Caue area bib.coluctual act 40% of 20 Mir, 453.000 1 Caue. 24553 Caue area bib.coluctual for bay wait. To 4 c.c.(17244) uning 20 Mir dise. 716.000 1 Caue. 24553 To 4 c.c.(17244) uning 20 Mir dise. 716.000 1 Caue. 24553 To 4 c.c.(17244) uning 20 Mir dise. 716.000 1 Caue. 24553 To 4 c.c.(17244) uning 20 Mir dise. 716.000 1 Caue. 24503 So 200 Mir thick for able active areas. 116.000 1 Caue. 24503 Mir thick for able active areas. 116.000 1 Caue. 24503 Mir thick for able active and a structure an			UE:	10	ack Catton Solls, reactor and diatry gravel S.S.No. 20 - A.	28-10	1 Cum-	363	4	P Ers 2	57.00 Cum-	3.	4•50 1 cm-	251
76 Coc.(1916) using 60% et 40 kk, 453.00 1 Cune. 34428 11. 6une aise Enclonent met 40% of 20 kk, 453.00 1 Cune. 34428 11. 6une aise Enclonent met 40% of 20 kk, 453.00 1 Cune. 24533 11. 7 6une aise Enclonent met 40% of 20 kk, 451.00 1 Cune. 24533 11. 7 6une bis/statut for bedy wills. 716.00 1 Cune. 2473 11. 7 6une bis/statut for bedy wills. 716.00 1 Cune. 2472 11. 7 6une bis/statut for bedy wills. 716.00 1 Cune. 2472 11. 7 6une joo kk, atta 716.00 1 Cune. 2470 11. 6 6une joo kk, atta 716.00 1 Cune. 2420 11. 7 6une joo kk, atta 90.00 1 Cune. 2420 11. 6 6une joo kk, atta 90.00 1 Cune. 2460 11. 7 6une joo kk, atta 90.00 1 Cune. 2460 11. 9 7 7 1 Cune. 2460 1 Cune. 2460 10 11. 1.0 1.0 1 Cune. 2460 10. 1.1 1.0 1 Cune. 2460 1 Cune. 2460 10. 1.1		0		å o	oulders upto 3 Cume in size re-				A	Reugh stare 300 Mil. size	93.00 Cue.	10.50	10.50 1 Cue.	1040
 Une area in 60 Maria for formatiae. 43 Coc. (19316) uning 60% of 40 Min. 571.00 1 Curi. 24553 74 Trans. Come area in a 40% of 50 Min. 571.00 1 Curi. 24553 75 Curi. Existenti for bedy will: 718.00 1 Curi. 2450 719. Lis Formatia for supply of Lis 2000 710. Lis Formatia for supply of Lis 2000 710. Lis Formatia for supply of Lis 2000 711. Lis Formatia for supply of Lis 2000 712. Lis Formatia for supply of Lis 2000 713. Lis Formatia for supply of Lis 2000 714. Lis Formatia for supply of Lis 2000 715. Lis Formatia for supply of Lis 2000 714. Lis Formatia for supply of Lis 2000 715. Lis Formatia for supply of Lis 2000 72. Lis Formatia for supply of Lis 2000 73. Lis Formatia for supply of Lis 2000 74.00 2000 75. Lis Formatia for forming ppre- 75. Lis Formatia for Formatia ppre- 75.		ሌ	76		C. C. (13316) using 60% & 40 MM.	420.00	1 Cum-	34428	ij	Comy eyance Charges !				12032
 43 CaCa(113546) unitate Given f 40 Miles NYLA 571400 Came into constraint and 40% of 20 NYLA 571400 Came into constraint and 40% of 20 NYLA 571400 Came into constraint 20 Nile airse Came into constraint So Nile thick for early pocking Came into constraint Ca			- In		size Heb.G Metal for foundation.				.111	Supplying R.C. C. Hume Pipes				2000
4 C.C. (1/244) uning 20 Nin aire Cuase 718.00 1 Cuas. 2572 VI. 6 Bugh atase dry pecking 89.00 1 Cuas. 240 7 Bugh atase dry pecking 89.00 1 Cuas. 240 9 Bugh atase dry pecking 90.00 1 Cuas. 240 9 Bugh atase dry pecking 90.00 1 Cuas. 240 9 Bugh atase dry pecking 90.00 1 Cuas. 240 9 Bugh atase dry pecking 90.00 1 Cuas. 240 9 Bugh atase dry pecking 90.00 1 Cuas. 450 9 Bugh atase dry pecking 90.00 1 Cuas. 450 9 Bugh atase dry pecking 90.00 1 Cuas. 450 10<		8			C. C. (11316) uning 60% of 40 ME.	CN. 571.00		24.55.3	M	Supplying wooden shutters				1200
4 C.C. (1224) Junier 20 Mile airee 718.00 1 Cure 2572 VI. 6 use joo uith thick for sprease. 89.00 1 Cure 3460 9. 500 Mile thick for sprease. 89.00 1 Cure 3460 9. 500 Mile thick for side 90.00 1 Cure 3460 9. 500 Mile thick for side 90.00 1 Cure 4500 9. 500 Mile thick for side 90.00 1 Cure 4500 9. 500 Mile thick for side 90.00 1 Cure 4500 9. 500 Mile thick for side 90.00 1 Cure 4500 9. 500 Mile thick for side 1.5 2000 10. LoS Fravision for supplying and LoS 2000 11. LoS Fravision for supplying and LoS 1200 11. LoS Fravision for for side LoS 1200 12. LoS Fravision for Post and contint LoS 1500 13. LoS Fravision for Post and contint LoS 2642 13. LoS Fravision for Post and contint LoS 2642 13. LoS Postisian for Post and contint LoS 2642 13. <td></td> <td></td> <td></td> <td></td> <td>age H.E.G.Metal for body walle</td> <td></td> <td></td> <td></td> <td>А</td> <td>Seigneerege and ceas charges.</td> <td></td> <td></td> <td></td> <td>2527</td>					age H.E.G.Metal for body walle				А	Seigneerege and ceas charges.				2527
40 keuch stane dry pecking 89.00 1 Cume. 34 0 keuch stane dry pecking 90.00 1 Cume. 34 0 keuch stane dry pecking 90.00 1 Cume. 41 0 Lus. keuch stane dry pecking 90.00 1 Cume. 41 0 Los keuch stane dry pecking 90.00 1 Cume. 41 0 Los keuch stane dry pecking 90.00 1 Cume. 41 10 Los keuce state Los 1 Cume. 42 11 Los keuce state Los Los 2 2 11. Los Provision for forming suptor Los 2 2 2 13. Los Provision for forming suptor Los Los 1 1 13. Los Provision for Pos and contine S 1 1 1 13. Los Provision for Pos and contine 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		•		• ER	C.C. (1:24)using 20 NN. aizo H.H.G.ketal for wearing cat.	718-00		2672	·IA	Labour Charges.				3 5000
 ⁵⁰ haugh state dry pocking 90.00 1 Gum. 4: 500 MM: thick for side revoluents revoluents ¹⁰ LoS Fravisian for supply of LoS hold. C.Hume pipes and and collers ¹⁰ LoS Provisian for supplying wad LoS ¹¹ LoS Provisian for forming sppra⁻ LoS ¹² LoS. Provisian for forming sppra⁻ LoS ¹³ LoS Provisian for Postand contin⁻ LoS ¹⁴ Joint State ¹⁵ LoS ¹⁵ Provisian for Postand contin⁻ LoS ¹⁶ LoS ¹⁶ LoS ¹⁶ Provisian for Postand contin⁻ LoS ¹⁶ LoS ¹⁶ LoS ¹⁶ Provisian for Postand contin⁻ LoS ¹⁶ LoS 				Cum.	heugh ateme dry pecking 300 Mile thick fer apreas.	0-18								
LeS Provision for supply of LeS LeS in C. C. Hune pipes and and collstra. LeS Provision for supplying und L. S fining wooden shuttors in L. S fining wooden shuttors in L. S fining wooden shuttors in L. S L. S. Provision for forming sppra ⁻ L. S ach to work site. [3. L. B. Provision for P. S and contin ⁻ L. S generies et 3 ⁵ . Then -				950	ie ugh stone dry pe cking 300 MM. thick for side revetsente	0•06					E	To tal		00505
LeS Provision for supplying and LeS firing wooden shutters in the scentr vents. I.S. Provision for forming appro- ach to work site. I.S. Provision for P.S and contin- cents. LeS gencies et 35. Total			10.	L, S	Frevision for supply of i.c.C.Hume pipes and and collers.	7	on -	2000						-
L.S. Provision for forming appro- ach to work site. L.S. Provision for P.S and contin- L.S. gencies et 3%. Total -			11.		Provision for supplying and firing wooden shutters in the scent venta-	ż	un a	1200						
L.3. Provision for P.S and contian L.S generion at 3%. To tal -			12.				2	1500						
•			13.											

-	40	······································							
		inter-19th and	pesodord	3	Unit cost	rocal Amount roquirod	I.F. A.D.	State share	
			1					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
-	Potta	Portradication se	2648	1. Greded Dunding	3 100 0	20 C			
200	Eller H	Flught m gadien	1299	2. Stone feracing	3100 0	0.9L	3.18	0.79	
31,	Rolling addia	, arda	334		0 001 E	C6.1	1.56	0.39	
dia.		and the state	144	4 Gallay constant	CT00-0	1.01	1.07	0.27	
			2	HOT DOD INCHOOL CONTRACT -	eTOD.0	0.66	0.53	0.13	
	5	Saab - Zotzalia	5:32				6.34		
	PLITA	活動日本日に加加利用			1				
1	June D	Cumites and a	2069	1. Vattiveru planting	0.0005 liect.	2.59	2.07	6 2 2	
ei	Pecker mid a	add.a	1725	2. Vattiverchursing	0.0145 "	2.71	21.2	20.0	
Ø	Peca	Pertas achia-1	1580	3. Gradad Junding	0.0006 "	1.70	13.1		
Į.	It.che	Itechaputra	1573	4. Stone LeMacing	0.0012 Hect.	2.00			
-12-	"after	- agametu	1522	· 5. Rock bill dains	0.0015 Nos.	1.93	1.50	40	
	THIS BERT	-thur	9TTT	6. Stone cheeks	0.00005 llos.	1.16	0 08 1.54		
ť		Mar June 1941	33165	7. Diversion Drains	0.003/1 ltm.	1.51	100-03		
2		Pulliputti-	839	8. New Tanks	0.05/ 1 no.	1.07	0.00-1-2/		
21 81		Waterth geometrie	LCOT		•		0.000.06		
10.			876					0.2T	
T.		Reduction 1	14.6			1.25	1.00	0.20	
d		Red skattabandag af da	803			5		0.25	
							1.02	0.25	
		Sun lotal:	15176		1	20.20		24.03	
		and the second s							
	P	The state	1900						
			TO/O		0.0001 Hoct.	3.10 .	2.48	0.62	
	f F	UTANTES AV CIT	68		. 600.0	0.02	0.02	0.005	
	3	Thermont	66	3. Rockbill Drains	0.0015 a	0.57	0.45	2 1 20 0	
	4. I	Scartueda.	644	4. Gulley structures	0.0015/lect.	0.30	0.16	0.04	
	1	n-see	130	5. Bushwood Dams	0.0002/ "	0.26	12.0	- 0 02	
		(lemane)	8	6. Stone cheeks	0.00005/Hect		0.13	0.03	
	- 2	Chaomicava B	70	7. Diversion brains	.mall /600.0		0.018	0.05	
				8. Jater Harvesting structures	0.075/10.1				
		Tub- fotal:	4597			4545 A 54			
		REALTER CIED AV ARAM							
	d		0001	T Vot Firmer manual and	1				
	2	Preve Constraint	UC9L	BUTSINU DIAATAANA	" DOH/TTO"		0.82	1a.o	
	3		CONT	Z. Vattiveru Bunaing	0.0001/Hact.		0.33	01.0	
	-		FOCO	a. Gully plugging	0.0015/liect.		1.22	0.31	
	i ui		10 /.	4. Diversion Drains	0.003/ 1 Km.	n. 0.18	0.14	0.04	
	i u		411	5. Nater Harvesting structure	0.050/Ho.1	0.46	0.37	0.09	
	5 0	ALLEGIC - TO ALLE	4873		•,	0.79	0.63	0.16	
	•		185			0.16	0.13	0.03	
		1 × 1 × 1	111						

ANNEXURE - XXII

HORFICULTURE PLANTATIONS UNIT COSES - ICDA-INSE

1	Plantation S	esthampeta	Parvathipuram	Pačeru	R.Choûavaram	
1.	Horticulture	8500	8500	8500 (Mixed)	8500 (Economic & mixed)	
	<u>Coffee</u>				28815	
з.	Coffee + Pepper			35355		
4.	Pepper				2455	
5.	Rubber				5000	
6.	Citronella					

PLANTATION-TISE ITDA-TISE UNIT COSTS

Unit Cost (Rs.)

Secthampeta	8500
1. Horticulture	
2729	
I year 2031	
II 1740	
III	
810	
IV 1190	8500
V	

3370 1655

1475

1600 400

2. Parvathipuram

Paderu

I year II III

IV v

3.

1.

8500

Horticulture 5020 I year 1540 II 980 III 580 380 IV ----V

1. Mixed plantations

8500

8500

8500

contd .- 2

	- 2 -		
2. Coffee + Pepper		Fepper	UNI COST
2. Coffee + Pepber			
a) Shade (b)	Coffee		ade 6325
I	6490	215 Coff	26575
I- 5725 II	2325	230 Pe	pper 2455
II- 600 ILI	2160	210	35355
6325 ATV.	3440	335	
v.	3840	370	
VI.	4060	410	
VII	4260		
	26575	2455	
	20010		
4. Rampachodavaram		4.0	8500
1. Economic planta	tions + Orchar	05	
	2370		
I	2650		
II	1680		
III IV.	1520		8500
	280		2000
v.			
		28815	
2. Coffee	- 220		
I. '	8730		
II	2325 2160		
III	3440		
IV.	3840		
V	4060		
VI	4260	28815	
VII			Rs. 18800
24	55		Rs. 10000
3. Pepper-Rs. 24:	4) Rubber	7600	
	I	3200	
I:. 685	II	2500	
II 215	III	1900	
III 230	IV	1300	
IV 210	A	1200	15800
y 335	VI	1100	
VI: 370	VII	-	
VII 410 2455			
	Rs. 5000		
5. Citronella	1250000		
0. 010-010-01			

•

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31. I. P. A.	0.0	Total Zxtont Podu Land	of Sch	Unit benef. cost arlos to be covore	f 1 c1-	Txt ant to be coverad	I.T.A.D.	Amount Required State 30%	lriof
seetharpota		5:382	 Hixed plantations of coshou, custored Apple, Accelus, custored Apple, Handrin, Teak and Tababa 	0.0085 9051		C)	35, 91	8.98	08 . 45
			2. 13 Tribal Jurgaries	1		ł	0.31	0.03	0.30
		32 -	1 1 1 1 1 1 1 1	1906		382	36.32		45.33
2. Pervatitjurem		7396	1. Mixed plantations of cashew, subsbul, Acacia, ray somput, famorind,	0.0035 86		7396		12.57	62.37
			2. 47 Iribal Nursaries	i 		1	1.13	0.33	1.41
sub-lotal:	8636	7396			 8636 	7396	51.43	12.85	64.23
3. Paderu	c ³	21529	 Hitzod plantations fluava, 0,0085 coshey, pomegranate, cashey, pomegranate, Litteriat Damboo, 5110ru Sclwwo on: coconut, Hango, Sclwwoul, Banana, Jack, Sochambal, Banana, Jack, 	¹ ,0,0085	6373	1413	34,06	3.74	43.70
			2. Coffee & Pepper	0.0354	11.52	1003	38°,54	7.14	35.68
			3. 48 Tribal Mursaries	ł	1	1	0	4.0	2.40
sub-lotal:	2536	2153			7525	6140	65.42		81.78
∆ นิลามลก่ากปลบาลเม	68	7252	Ļ	0,0188	1	SIS	12.30	3.08	15.38
				0.0085	1	3696	26.48	6,62	33.10
				0,0085	1	464	3.15	0.79	3.95
			4. Pepper	0.0025	1	120	0.24	0.06	C. 30
			5. Coffee	0.0258	1	400	9.22	2.30	11.52
			6. Citronalla	0.005	ł	350	1.40	0.35	1.75
			7. Tribal Nursaries	ł	1			10.0	20.0
sub-t	sub-total: 6	6871 7	C1	1 1 1 1		6016	52.85		66.06
. Latal				1 1 1 1	32143	24873		51.48	257.20

.

1 1

1. Alteration counter about

ALLINX - ALLINX

PROPOSE: PLANEACION SCHEMES FOR SHEPPING CHLEIVATORS:

		FROI	DIT PL	CILVIDO - Para			0000 1330 536 083		
							Total A	post Rec	uiref
				Relation propose	e/ 10.01	Extent of Podu			rotal Repark
31. 	Tatorshed	lotol lombor	losel putont	Jelauss propose Unit cost	of sries	1 and 50	I.T.A.J.	State share	1010-
.0.	Vatershed	of Para	of Fuel	1	to be	ne cov-			
		familie			covered	ered			
									¹ #*
						2648	18.01		22.51
	SEDEHA: PERA			Cashew-196 I	4854		8.83		11.04
1. :	Pottikav-lasa	4254	2648	7:71:		1299		0.75.52	3175 7.50
2. ;	Musingadés	2101	1200	cust word	92917×		3.00	0.75	3.62
З.	Pollagorda	1770	8.34	(1,5x2,5)	917	441	3.00		
4.	Gajjiligadda	917	441	Acacia 80			35.91	8.98	44.89
				(andi Yejise, Hellamed	i 9051	5282			
	Total:	9051	5282	and teak -80	500				
				-			6.56	1.64	S.20
	PARVATHIPUNAM			cashei150 0.00	085 1103	965	6.48	1.62	8.10
1.	Gurmudigadda	1103	965	(7:71)	1208	953	5.60	1.40	7.00
2.	Podagačda	1208	953	- 10- DU1- 00	1049	824		1.40	6.98
з.	Pedagadóa	1049	824	Acasia-50	979	820	5.58	1.33	6.67
4	Itchapuran	972	820	Soapnut & Jemarind	777	784	5.34	0.82	4.12
5.		777	784		504	485	3.30	0.82	4.12
6.	Nagavali	504	-185	Tanisa atc.100	538	485	3.30	0.81	4.03
100	Gomulthi		485	Total: 450	696	474	3.22	0.79	3.94
7.	Vegavethi	538	474			463	3.15	370 T C C	3.71
8.	Puliputti	696			462	437	2.97	0.74	3.70
9.	Vettigadda	462	463		483	435	2.96	0.74	2.30
10.	Suvarnamukhi	483	437		433	271	1.84	0.46	
11.	Pedagadda-11	433	435		464			12.57	62.87
12.	Pedasekhakondagodda	464	271		8696	7396	50.30		
	-	8696	7396						
	Total:						49.23	12.31	61.54
	PADERU			1.1.00	5556	4709		2.23	11.14
4	Contraction and the second		16972	lixed plantation of cashew, Guava,	997 -	677	8.91	0.58	2.92
1.	Sileru	21481	1872	of childe, Litch	i 322	318	2.34	0.18	0.89
2.	Sarada	1839	1485	pomegranate, 11 Oak Bamboo, silafu Oak coconut, Kango; subabuldi amarind	0.0085 300	200	0.71	0.34	1.70
з.	Gosthani	817	441	coconut, Manarind	120	105	1.36	0.17	0.85
4.	Thandava	422		coffeedPtpper	0.0354 50	40	0.68	0.07	0.34
5.	Yeleru	509	469	College er	150	100	0.27		79.38
6.	Champavathi	117	152			6149	63.50	15.88	79.00
₽.	Varaha	138	138		7525				37 81.5
		25383	21529						19.07
	Total;	25363				2494	15.98	3,99	23.99
	Phip or put and			- 0188	2494		19.19	4.80	23.99 8.74
	RANPACHODAVARAN		2598	Rubber- 0.0188	1858	1370	6.99	1.75	8.7= 7.19
1.	A CALCENTET TT	2494	1031	Rubber 0.0085	956	619 846	5.75	1.44	3.32
2.	Pamuberu	1858	1102	economic-0.0000 plantation orchards-0.0085	846	A starting of the start of the	2.66	0.66	
3:		956	11/2	plantation Orchards-0.0085 Pepper -0.0025 Potfae- 0.0288	390 -	390	1.20	0.30	1.50
4		846	862	Pepper 0.0268 Coffee- 0.0268	177	177	1.02	0.26	1.28
5.	- Ducivel 1	390	304	citronalla 0.0050	1.50	150		13.20	65.99
6.	· Limit I	177			- 6871	6046	52.79		
7.	- CONTRUT NO	150	140		68/1		202.50	50.63	253.13
	(alenate	6871	7252		32143	24873			
	Total:	6871					• • • • • • • •		1997 A. 1. 12
		50001	4145	,					A. 19 1 1 1
	GRIND POPAL:								
	-	1990 35							A DATE OF THE OWNER

		- WATT					CULT MILE CHIL					
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1		1		1	1			orE)	(Hacturs)
ы. I.T.D.A.	Plantution	1989-30	1990-91	1991-92	1992-93	1993-94	1994-95	1995–96	1996–97	1997-98	1996-99	TATOT
-12		1 4 1 1		1	1	 			;=¦	12	13	
1. এএএ?নেস্ফেয্য	Mixed Morticul ture	530	523	. 528	528	528	528	528	520	523	528	5262
2. PARVATUPUTAN	Wixed Sorticulture	745	739	739	739	739	739	739	739	739	739	7396
3. Public	1) Mixed Hortichture	515	515	515	515	515	515	3 15	515	515	506	5141
	ii) Coffee + Fupper	144		144	144	144	14,4	144	I	ı	•	1008
	Sub+Tot.J	659	659	659			659	659	515	515	506	
	1) Econo de Plur tiens + Orenda	s 435	435	435	435	435	435	435	527	564	445	4358
	ii) Coffee	45	45	45	45 45	45	45	45	\$	40	ı	004
4. RATEACHODA- VARAN.	iii) Pepper	13	51	. 13	- 13	13	. 13	13	13	. 16	1	120
	iv) Hubber	06		66 0		90	90	06	90	90	1	010
	g- v) Citronella	£	5 35	5 35	35	35	8	35	35	35	35	350
	Sub-Total:-	613	1 1 1	613 613	613	8 ó18	8 613	613	610	624	478	
	GRAID TOTAL:-	2552		2544 2544	4 2544	14 2514	14 25AL	25.44	2400	2405	2251	TTRIC

ANNEXURE - XXIV

EXTENT OF LAND HELD IN PODU CULTIVATORS

	<u>EX2</u>	TENT OF LAND	HELD IN P		TUVALONS				
									(Area in Hectar
51. No.		Potal Nº	 Total	L extent	of land. tivetors	held	Average	e size of la	nd holding
10.	Water shed	of Podu families	=======		Podu		Dry	Net	Podu
- 21. 0		2 (c) 100	Dry	Net _	Podu				
11.000						1 m			
	Secthampeta						- 10	0.40	0.62
1.	Pottikavalasa	4254	515	1701	2648	4864	0.12	0.40	0.62
2.	Kusinigedda	2101	60	62	1299	1421	0.03	0.03	0.50
з.	Pollagedča	1779	120	43	894	1066	0.07	0.04	0.48
4.	Gajjiligećda	917	37	38	441	516	0.04		
	egiltitiecus	UL.					0.08	0.20	0.39
	lotel:	9051	741	1844	5282				•
	PARVATHIPURAM				·····		0.40	0.01	0.88
1.	Gumidização	1103	446	10	965	1421	0.42	0.16	0.79
4.	Pedagacida	1208	502	194	953	1655	0.33	0.08	0.78
з.	Pedagadda-1	1208	346	79	824	1249	1.46	0.18	0.84
	Itchonum	10000	1425	181	820	2426	0.35		1.01
5.	Nagavali	979	276		784	1060	0.35	0.07	0.96
6.	Gomukhi	777	343	36	485	864	0.68	0.06	0.96
7.	Jomakhi	504		29	485	893		0.11	0.68
8	Vegavathi	538	379	79	.474	815	0.38	0.07	1.00
·.	Pulinutta	696	262	35	463	991	1.07	0.24 01	1x00 0.90
·.	Vettigoda	462	493		437	719	0.6058	0.2.4	1.00
-0.	SUUSTRANSI	483	261273	103	435	799	0.60	0.05	0.58
	Pederoda an	433	261 541	22	271	834	0.96		0.85
	Pedasekha kondagadda	a 464	·			13726	0.64	0.09	
		8696	5559	771	7396	13/20			
	Total:								0.79
	PADERU				16972	33944	0.79	0.20	1.02
1.	Silan	21481	16972		1872	3744	0.82	0.20	1.82
~• S	Sana	1839	1502	370	1485	2970	1.82		0.92
· (Gosti	817	1485		469	938	0.92		0.91
- I	10 pm	509	469		405	882	0.91		1.30
· T	lhand	482	441		152	304	1.30		1.00
· · C	unan-	117	152		138	276	1.00		0.85
7. V	Varaha	138	138			43058	0.83	0.01	
			21159	370	21529				5
	Total:	25383					- 00	0.01	1005
D.	RAMPACHODAVARAM	. .		-	2598	4815	0.87	0.02	1.04
		2494	2182 '	35	1931	3738	0.05	0.03	1.22
5.	^{Seet} hapalli ^{Pamuleru}	1858	1764	43	1172	1930	0.77	0.01	0.93
3. 3	Sileru	956	734	24	364	686	0.82	0.04	1.04
• •	H n L i i i i i i i i i i i i i i i i i i	390	318	4	882	1615			0.93
		390 846	703	30	165	324	0.90	- 0.03	1.05
6. Y	otti		159	_13	140 -	13356	0.87	0.02	
1. V	^{Voć} avari Vettikalva Vanchangi	177	95	149	7252		0.67	0.06	0.83
	Total:	6871			41459	78007	0		
		50001	33414	31.34					
• •	GRAND TOTAL:	50002				100			
1000	· .		1000 Contract (1000)						

AMILLAUNE - XXV

SAND ECTIMISE

(As. in Millions)

	Hof Bene-	Exten	t Purjose	a	Unit cost per	Total	IFAD	state	
I.T.D.A.	ficia- ries.	Millests	Pulses	Oil seeda	leo tare	oost	80%	20%	
2	3	4	5	6	7		9	10	
. Seatandar	1263	693	-	43	Ragi - H. 20.00 Bajra - H. 45.00 Jouar - N. 80.00 Maize - N. 80.00 G'.Mut. R. 1050.00	0.07	0.06	0.01	
2. PARVAT. IPURAN	6085	4603	945	-	Bajra 18. 45.00 Ragi 18. 20.00 Pulses Rs. 250.00	0.46	0.37	0.09	
3. Panan	4003	2213	-	190	Groundnut is, 1000-00 Millets Rs 80-00 Other Oil Seeds Ry 60-00	0.35	0.28	0.07	
4. Rampacho Avarari	6871 .	4518	-	2204	Nillets 55. 80.00 Oil secàs 35.00.00	0.55	0.44	0.11	
GRAND TOTAL1-		12032		 2437		1.43	1.15	0.28	

										Case da	Hillions) ·
57.	I. P. J. 4./	No.of Hane-	Poul L.	Carl to ba	30 10d(Hoc)			TUINL .	D.001117 A.S., J.	 Газы).	
.10.	Ast	fici ri.s.	1111.ts	Pu1.100	Oll Joids	Total Extent	Unit Cost	I.F.A.D. 80%	3t te 20;6	To:1	
- ¹	2		4	_ 5	6		⁸	9	10		
I.	SEIT & P.T										
	1.Pottikuvalasa	863	502	-	13	515	1.E.ji-i.20/-	0.027	0.007	0.034	
	2. igedua	103	46	- •	14	60	2.B.jza .45/- 3.Jovar B.80/-	0.014	0.003	2.017	
	j.Pollajeica	219	138	-	· 11	129	5. From - Sut 1050/-	0.013	0.003	0.016	
	ىلەتتىنغانغان 4. 3-	75	32	-	5	37	2	0.005	0.001	0.006	
Ħ.											
	Sub-Tot:-	1263	693		43	741		0.059 .	0.014	0.073	
II	PARV. C. IPURAL:										
	10.Gu midijad a 2. fedatjana	648 739	405 442	45 36	-	450 508	1.Bajanu	0.026 0.029	0.005 500.0	0.032 0.037	
	3. Poursai a-1 4. Itohaguran 5. Hagarai 6. Goanhai 7. Vejavatai 8. Feligatai 9. Vattigadan 10. Juvarnanakid 11. Solajadan-11 12. Soo askadar	296	296 11.12 233 207 306 215 346 219 220 452	50 253 43 56 75 47 147 55 41 39		346 1415 276 343 379 262 262 27. 262 27. 265	en i	0.022 0.094 0.017 0.020 0.026 0.017 0.042 0.019 0.017 0.036	0.005 0.023 0.004 0.005 0.007 0.005 0.010 0.005 0.004 0.005	0.027 0.117 0.021 0.025 0.033 0.022 0.052 0.052 0.052 0.024 0.024	
	Sub-To .al:	- 6005	4603	945		554	8	0.365	0.091	0.456	
	I. <u>P</u> :										
	1. Silonu 2. Samda 3. Gogthami 4. Thereatu 5. Charpar.t 6. Yeleru 3. Jan-Hots Sub-Hots	165	1753 210 14 6 2 2		130 20 10 5 5		53 1.Millets (2.30/- 55 2.0ilseuds (2.60/- 70 30 45 3. Ground nut 2.1000/-	0.190 0.015 0.027 0.026 0.005 0.014	0.040 0.004 0.007 0.007 0.302 0.003	0.238 0.019 0.034 0.035 0.008 0.017	
	540-104	4303 	221		190	24	.03	0.273	0.071	0.349	
	1. Suctinga 2. Panulary 3. Silery 4. Ginalta 5. Panya 5. Panya 5. Yutuka 7. Yangan	1336 251 Jedovani - 840 192 177 52 150	12 6 5 2 1		051 601 263 259 129 51 45	10	59 1.000000000000000000000000000000000000	0.073 0.043 0.022 0.010 0.009 0.143 0.129	0.020 0.012 0.005 0.003 0.002 0.022 0.036 0.032	0.093 0.060 0.027 0.013 0.011 0.179 0.161	
	3ub: -1	0.ul:- 607	45	18	2204		722	0.139	0.110	0.549	
	وعطالة	1822: - 1822: 	2 120	94	5 15414 2437	1	5414 	1.141	0,286	1.427	

AMIZAIRE - XXVI-A

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IRRIGATION FACILITIES.

			0.	I.WELLS		L.I.	SCITE	ES	Chie	CK DAM	3	TA	'n's		P	ADDY			TOTAL	AHOUHT	REJUIRED
1.T.D.A.	No.of Bane- ficiuries.	Extent tobe covered. 4	No. requi- red. 5	Unit	Totel Anou- nt. 7	Ko requi- red. 8	Unit Cost 9	Total Anou- nt. 10	No requi- red. 11	Cast	Total Amou- nt. 13	llo. requi red. 14	- Unit Cost 15	Total Anou- nt. 16	liktant 17	Unit Cost 18	Total Seed Bequ- iel. _12_	Tot.1 A.cu- nt. 20	I.F. A.D. 21	State 80% 22	Total
1. SE THETETH	1964	1344		-	-	4	0.72	25 2.900	23	0.035 to 0.050	1.950	18	0.015	0,270	1 844	0.0003	133300	0.550	1.134	4.536	5.670
2. PLATATIPURAL	1224	781	235	0.0	01 2,	35 3	1.0	0 3.00	35	0.035 to 0.10	2.705	16	0.01	5 0.2.;0	7 1 4	0.000	3 53050	0,233	1.722	6.836	8,603
3. PADENU	4003	3310		57 0	.25 1	•43 15	0.	,20 3.0	o 63	0.05 to 0.2	6.62 0	0 31	0.01	5 0.40	5 90'	7 0.000	3 67000	0.242	2.35	1 9.406	5 11.757
4. RATEACIO AVARAL	U.7.	1.	49	2 <u>4</u> 13	-				9	5 0 . ·	10 9.5	0 -	-	-	14	9 0.000	035 :: . 1	P. 0.05	3 1.91	0 7.64	3 9.553
Grani Total:-	 6394			292		3.73	22	 8.	.90 22	21	20.1				75 36	- 71		1.07			1 35.500

AHNEXURE _ XXVI - B

NON STATE								heck d.u.	18		Tanks	Total	I.F.A.D.	State	Tot.1	
1.T.D.A. W	CONTRACTOR OF THE	. Vella Unit	Total	No.re-	Scheae Unit	Total Amount	No.re- quired	Unit	Total Amount	No.re- quired	Unit cost	Amount	20,5	80/6		
1.T.D.à. H qu	irad	cost	Amount	quired						12	13	14	15	16	17	
2	3	4	5	6									0.830	3.320	4.150	
ethanpeta	-	-	-	4	0.725	2.90	3	0.035 tp 0.50	1.250	-		-	0.50			
vathipurum	2.35	0.01	2.35	3	1.00	3.00	24	0.10	2.400		-	.	1.550	6.200	7.750	1
0111	-	-	Ċ.	-	-		25	0.05 to 0.20	4.470	-	-	-	0.894	3.576	.,	
gaohodavaran	-	•	-	• -	-	8 8	i.e	-	-	÷	-	-	-	-	-	
										*						

ADDEXURE - XXVII

WS2BMATIC LAND DEVELOPMENT MORKS FOR IRRIGATED AREAS

				(Rs.in 131	llions)	
	tent to be	Type of works to be takenup.	unit cost I	otal amount	Amount 1	recuired State share
10. I.T.D.A. 0	overed	be banding.			80%	20,3 8
2	3	4	5		<i>q</i> 	· · · · · ·
Seethampeta	1844	Formation of Bench Terrac- ing, and reclamation, stone bunoing	0.004	7.376	5,901	1.475
2. Parvatini puram	781	Formation of Beach Terrac- ing Land Reclamation, Stone terracing	0.004	3.124	2.500	0.624
3. Pader D	7528	1. Levelling of land for Met padday 2. Graded bunding	0.005	17.393	13.914	3.479
	i e de la	3. Stone bundling 4. Reclamation	0.0025			
4. Rampachodyaram	950	Land development	0.001	0.950	0.760	0.190
Grand Total:	11103			1 353.079 28,843	23.075	5.768

ATTERURE - LEVIL -A

(Rs. in Millions). JIDIDIAIO LAN DEVICEPIDIO --------Amount required for Systematic Lend Develop _ _ _ _ _ _ lotal . Unit out-IFAD(80,3) State(30,3) No.of Demofi- Malent to lay -.10. I.T.D.A. bacovarad claries Matershed-wise 6.804 1.361 5.443 0.248 0.004 SECTIMPED A 0.050 1701 0.198 0.172 --1696 0.004 Pottikavalera 0.034 62 0.152 0.138 2. 126 Kusimigadda 0.004 0.030 43 0.122 2. 43 0.004 7.376 Pollagedda 38 4. - - -1.475 38 - - -Gajjiligedda 5.901 - -0.004 0.023 344 1844 0.040 1964 - - sub-lotal: - -0.005 - -0.776 0.032 0.155 0.004 0.316 PARVAL TIPURAL 10 0.621 10 0.004 0.063 Gummadige66a 0.764 0.253 194 0.004 0.153 Peddagodda 0.611 --70 2. 0.004 --0.144 Peddagedda-I 191 --4. 0-029 --0.116 Itchsouren 0.115 5. 0,023 0.004 0.316 Cagavali 0.093 36 1. 0.004 0.063 0.140 Gonukhi 0.253 29 0.028 7. 0.004 0-012 0.112 Vegavathi 79 0.002 2. 0.004 0.412 0.010 Puliputti 35 0.004 0.052 0.088 2, 0.330 Vettigedda 3 0.004 0.018 10. 0.070 3.124 Suvernamulthi 103 0.004 0.624 2. 500 11. Peccagedda-II 22 0.004 22. 11.656 Pedasekha/Kondagedda 781 2.331 0.124 - -9.325 sub: lotal: 0.025 0.005 0.814 0.099 0.163 5354 0.005 3.048 PADERU 0.651 0.610 0.005 1. 84 0.780 2.438 Sileru 0.156 0.005 309 2. 0.250 0.624 Sarada 0.050 0.005 1062 3. 0.200 0.721 Gosthani 0.005 0.144 310 17.393 4. 0.577 0.005 Tančava 3.479 118 5. 13.914 - -291 Yeleru 0.005 5. Champa 7523 0.180 7. 0.036 0.144 Varaha sub-total: 0.280 0.001 0.056 0.224 0.001 0.320 180 0.064 0.256 0.040 0.001 0.008 280 0:032 RAIBACHEDAVARAM 0.001 0.050 320 0.010 1. 0.040 Secthapelli 40 0.001 0.020 0.004 2. 0.016 50 Pamuloru 0.001 0.060 0.012 0.048 3. 20 0.001 Sileru 0.190 0.760 0.950 60 4. Godaveri 0.001 ----- - -350 5. Pampa 28.843 23.075 5.768 5. Yettikelva 11103 7. Vanchangi 8.

GRAID POTALS

AMISAURE - AAVIII

(Rs. in Millions)

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DEVELOPMENT OF CONJUNTTY SERVICES

Name of the	See	taspeta		Pa_vat:	iouran		P	deru			odavare			amount Requ	
Schene I.			Total I	.F.A.D. 20%	State T 30%	otal I	F.A.D. 20%	State S SO%	Fotal	1.F.A.D. 20%	State 80%	Totul	I.F.A.D. 20%	State 80%	Total
. Medical, Health Nutrition.	0.60	2.40	3.00	3.79	15.17	18.96		-		0.19	0.77	0.96	4.50	18.34	22.92
2. Education	1.50	5.98	7.43	7.52	30.08	37.60	1.54	6.18	7.72	2.26	9.03	11.29	12.82	51.27	64.09
3. Drinking water	0.02	0.10	0.12	1.12	4.50	5.62	-	-	-	-	-	-	1.15	4.59	5.74
4. dousing	3.36	13.44	16.30	1.46	5.84	7-30	6.46	25.84	32.30	2.81	11.23	14.04	14.09	56.35	70.44
5. Public Distribution	0.60	2.40	3.00	1.10	4.40	5.50	-	-	-	0.09	0.33	0.47	1.79	7.18	8.97
6. Electricity	0.40	1.60	2.00	1.92	7.66	9.50	0.59	2.34	2.93	3.10	12.40	15.50	6.00	24.01	30.01
7. Civic Amenitics	-	-	-	0.25	0.95	3 1.2	3 -	-	-	0.06	0.2	4 0.30	0.31	1.22	1.53
8. Roads	1.76	7.04	8.80	24.80	99.5	1 124.3	9 3.02	12.09	15.11	2.73	11.1	2 13.90	32.44	129.76	162.20
9. Buildings	C.47	1.9	2.3	7 6.1	8 24.7	1 30.	39 -	-	-	2.40	9.6	54 12.0	4 9.05	36.24	45.30
		1 34.0		57 48.	•	 05 241.	.07 11.6		45 58.0	6 13.6	0 54	81 68.5	0 02.2	3 328.97	411.20

ATTIE THE - TOTX.

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DEVELOPILET OF MARKERING AND PRODESSING FACILITIES

	SEP					PARV		URAI		 P	ADER	J – – –		RAUP	ACHOL	AVRAM		TOTAL A:		
Scheme	IFAD	St	Lto	Tota	- -	IFAD		ite 0%	Totul	IFAD 80%	3t 20		otal	IFAD 30%	St 20		lotal 	IFAD	State 	Total
	30%	2	0,6	5		<u>so;</u>		7	8	9		0	_11	12	1	3	14	_15	- 16	- 17
12			0.44		.20	2.40		.60	3.00	4.34	1	.09	5.43	0.91	0	.23	1.14	9.42	2.35	11.77
1. Processing Units			0.56		2.80	4.08		1.02	5.10	2.96		0.74	3.70	0.32	c	0.08	0.40	9.60	2.40	12.00
2. Wareh using & Merketting 3. Standerfast equipment		2 4	0.50		0.10	0.		0.08	0.39	0.38		0.09	0.47	0.04		0.01	0.05.	0.81	0.20	1.01
4. Assistance to Tribal with fouth (ISB) through		0.32		.08	0.4	5 1	•20	0.30	1.50	o 4.9	7	1.24	6.2	1 0.0	80	0.02	0.10	6.57	1.64	3.21
Self Majloyment 5. Extension education		0.	16	0.04	0.	20	1.20	0.3	0 1.	50 0	.61	0.15	0.	76 0.	.016	0.004	0.02	1.93	0.50	2.48
Grand Total			 4.56		 Λ	5.70	9.1	 9 2	.30 11	 1.49 1	 3.26	 3.3'	1 16		 1.366	0.34	4 1.71	23.3	8 7.0	9 35.47

ANNE OFRE-XXIX-A.

	THE OTTOL OF CASEL KET	IAL	
	SCHEIE FOR MAIUFACTURE OF CASHEN KET		ũ.
	i Vesting 0	here is	good demand for
I.	Introduction indicating	asheu ke	mel.
	notential and manufactouring		
.4			1.
	The Schene is worked out for pro	cessing	of 20 bags/day or
	The Schene is Worked Out 1		
	500 bags per month (40000 Kgs.)		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Non-Recurring
•			(Rs)
62			
II.	Machiner, and ecuipment:		45,000.00
11.	inter with cutter		
	i) Cashew cooker with cutter		50,000.00
	ii) Electronic pealing unit		
	11/		
	. 3.11 jin 251		10 *1
III.	Lands and Buildings		
- Contraction	truction of		10,000.00
S*3	i) Site for construction (1000 - 0.50)		A Service Commence of Co
	Buildings (1	
	ii) (a) dreaking shed '80 x 25 b'		
•	ii) (a) Breaking she		
17	ii) (a) broaten a		
	(b) Hot House (pealing of the		
	(b) Hot House (pealing kernel electronic pealing kernel electronic pealing		
•			
	(c) Rodshing area (cashew cooker) (c) Rodshing area (cashew cooker)		
	() Parching area (cashew ober		
	(c) Roasing area (or. ft. 25 x 20 = 500 Sq.ft.		
	(a) Pealing area 20 x 20 = 400 Sq.	ft.	
5	AN Dealing area 20 x 20 a 400		
	(d) Pearing		
	$20 \times 12 = 240$		
	(e) Godown 20 x 12 (500 bag capacity) (500 bag capacity) $10' = 10'$	o Sa.ft.	
	<pre>(e) Godown 20 capacity) (500 bag capacity) (f) Office Building 10' x 10' = 10</pre>	10 Date	4
	(f) Office Building		
	(1)		+
	(c) Labour quarter - 3 (c) $Labour quarter - 3$ (c) $Labour quarter - 3$		
	(c) Labour quarter - 3 (10' x 15' x 3) = 450 Sq.ft. Total plinth area required for all		a buildings
	for all	shels an	
	ainto area raquirad ita		
	Total plints are sq.ft. 4190 or 4200 Sq.ft.		
•	4190 or 4200 -1		4,19,000.00
	bads and buildings		
	 4190 or 4200 B. Cost of sheds and buildings B. Cost of sheds and buildings 		- 000 00
	B. 4190 x 100		5,000.00
	tion		
	Electric installation		00
TV.	RT 50 PTT	P.S.	5,24,000.00
		and how of	
	Total recurring		
	Total		P.T.0.
			F

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	- 2 -	
	REQURRING EQEIDITURE	(Rs)
v.	Raw material required (P.M.) Raw cushemnuts 500 bags	5,00,000.00
VI.	Salaries and We was per month: a) Roas ing @ 2.50 1 bas of 80 Kgs. 500 x 2 . 50	1,250.00
	a) Roas ing @ 2.50 1 gas of the legal to	
	 b) Braing of cashew nut @ B.1.20 Kg. (500 x 80 x 1.20) 	48,000.00
	c) Pealing of keine @ 2.0.70 kg. (500 x 80 x 0.70)	28,000.00
	d) Labour wages require at Electric	600.00
	10 bags (12 x 50)	700.00
	10 bags (12 x 50) e) Packing section (2 per manent Workers 350 + 350)	
	f) Cost of Tit, Paper, Gwny, Stitching etc (10+5) for 10 kgs.	1,200.00
	Stitening 15 x 800	1,000.00
	a) is a mont and mloading charges	00
	@ Fs.2-00 2 x 50	800.00
•	() Fs.2-00 2 1 10 est of h) Tinking charges for each Es.1-00	500.00
	i) Salarry of one elerk j) Electricity (power charges) Total Non-Recurring Fs.	5,93,350.00
	+21	
VII.	Working canital per month:	5,00,000.00 91,650.00
	1) Raw material	1,700.00
	 i) Wages and Salaries ii) Wages and Salaries iii) Cast of Tin, Gunny, Electricity iii) Cast of Tin, Gunny, Electricity charges other misc.espenditure 	5,93,350.00
	charizes outor	
	timet eiti	95,000.00
VIII.	Totalinvestient: 1) Machinary ani equipment	10,000.00
	2) 51te cost	5,93,350.00
	2) Site cost 3) Cost of Buildings 4) Working capital 1	1,17,350.00
	4)	
	Manufacturing cost per month:	5,93,350.00
IX.	Nanufacturing cost per 1) Working capital forbne month 1) monyceitation on machinery (10).)	100.00 13,330.00
2.52	1) Working capital forbne month 2) Depreciation on machinery (10).)	
	2) Deprediction 3) Interst 15%	6,06,780.00
	-	7,20,000.00
x.	Receives: By sale of Keinel of 8000 Kg at Rs.90 Kg. (Recovery par 100 kg.g.c.show but 20 kg.kernel (Recovery)	
	(Recover.)	7,20,000.00
	18 the solution th	(,06,700.00
хі.	Profit and hospital 1) Receipt as per X 2) Manufacturing cost as per IX PROFIT:- Ro.	1,13,220.00
	2)	

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									P R O											
		ela ipa	·		Pal	V.T.IIP	1724	012010		PA	Jahu		RAMP	AUHODAV				AHOUNT.		
	Jo.of Prainees.	I.F.		Total	No.of Traineer	I.F. A.D. B	State _ 2	Total	No.of Trainee:		7. Stat	te Total	No.of Traine 15	I.F. es A.D. 16	State _ <u>1</u> 7	Total 13	No.of Trainces 19	I.F. Sta A.D. 20 2		
Praining Tribal youth in vegetative propagation and Horticultural tech- nology.	1200	0.05	0.22	0,27	25	0.03	0.14	0.17	330	0.1	19 0.75	0.94	-	-	-	-	1555	0.27 1.		38
Training of tribal faumers in drylan. farming tech- niques & Soil conservation		0.05	0,22	0.27	50	0.06	0.26	0.32	339	0.	10 0.3	0.48			0.014		2250	0.214 0		.038
Training in self engloyme programes. Like Cycla, Motor Jycle regaining an Cargenters training.	č.	-	-	•	-	T	-	-	72	0.	.07 0.2	27 0.3	4 10	0.00	0.027	0.034	82			
4. Training for Tribal your and Women in Silk wora rearing an Silk production.		-	-		10		03 0.1				0.07 0.				-	- 47 0.13	230		0.39	0.49
 Training of tribal you in identification and processing of Ayurvali Herbs and Medicinal p 	ia		-	-	- 20	0.	.03 0.	11 0.1	14 220		0.03 0		•15 1 0•60	14 0.0	-	-	-		1.15	1.44
6. Strengthening of dort culture fames.	ti-	-			0.34 -		-				0.12		0.60				-	0.61	2.45	3.06
7. Stren_thening of APA Research Station	IJ	-	0.29	1.17	1.46	-	0.20	3.80 1	.00	42		0.032	0.040	-	-		42	0.008	0.032	0.040
8. Training of Horticu staff.	lture	-	-	-	-	-	-	-	-	44	0.000	0.074								0.05
9. Training of ducine Soil c nervation Lan: development : conservation tools	staff in ml Soil	-	-	-	-	-	-	-	-	53	0.01	0.04	0.05	-	-		. 53		0.04	
10. Training of super		-	1		2 <u>-</u>	-	-	-	-	5	0.00	2 0.003	0.010	-	-		- :		2 0.003	0.010
11. Training of Moni	toring and				-	-	-	-	-	4	0.00	0.006	0.008	5	0.005	0.018 0	.023	9 0.00	7 0.024	
Evaluation staff 12. Vocational train clusively for d	ing Ex-	L.			-	100	0.0	7 0.28	3 0.35	-	-	-	-	-	-	-	- 10		0.28	0.35
13. Training to the ficiari s in Mi irriation.	Jeno-		-	-	-	10	0.0	0.0	06 0.008	-			-	-	-	-				
14. Trailing in An Husbandry	inal		-	-		10	0.0	o 3 0.	11 0.14	-	-		-	-	-	-		10 0.0		

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		EDFL	IP II			PARVAT:D	PURAM			PADERU			RA IP	AC ODAV.	RAH		TOTAL	L ANOU	T	
	No.of Traines	I.F A.D	. Stat		4838	ices ^I AFD.	Contraction and	Total	No.of Trainces	A.J.		Total	No.of Trainces	A.D.		Total	llo.of Trainees	I.F. A.D.	State	Total
	3		5		'	8 		10		12	13	14	15	16	17	18	19	20	21	22
. Training of bene- ficiuries in Bee keeping	-	-	-	-	2	0 0.03	0.11	0.14	-	-	-	-	50	0.015	0.060	c.075	7 0	0.045	0.17	0.215
 freiding to teachers in healt, development and regulacity Mechaniza 	-	-	-	-		-	120	-	-	-		-	127	0.063	0.251	0.314	127	0.063	0.251	0.314
7. Training to L'usion Workers.	-		•	•			-	-	-	-	-	-	69	0.027	0.106	0.135	69	0.027	0.103	J.135
18. Training in Tailoring			a I	-			-	-	-	-	-	-	10	0.007	0.027	0.034	10	0.007	0.027	0.03
19. Training in making Bamboo articles.	-		-	-	-		-	-	-	-	-	-	10	0.006	0.023	0.029	10	0.006	0,023	0.029
 Trai.ing of tribal yo in INTO farm in nurse managmt, productio of grafts, bunding, Layering for 3 conth 	n and		-	-	- 1. %.		-	-	-	-	-	-	14	0.003	0.014	0.017	14	0.003	0.014	4 0.017
21. Field Trips	X	00	0.02	0.10	0.12	-		- × .		-	-	-	120	0.00	2 0.00	3 0.010	3120	0.023	2 0.10	5 0.13
Grand Total:-			0.58	2.33	2.96	0	.432 1.	926 2.	408	0.7	22 2.8	46 3.5	68	0.17	6 0.69	0.873	5	1.96	7.84	9 9.80

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each traince 2.160 0.540 2.700	1.700	each traince 2.160 0.540 2.700 will be paid a Stipand of Bs.150/- 15	each trainee 2.160 0.540 2.700 will be paid a Stipand of Bs.150/- 15 days period.	each trainee 2.160 0.540 2.700 will be paid a Stipand of Bs.150/- 15 days period. To and fro 0.960 0.240 1.200 bus charges a D.A. will be paid to	each traines 2.160 0.540 2.700 will be paid a Stipand of Bs.150/- 15 days period. To and fro 0.960 0.240 1.200 bun charges a D.A. will be paid to each trainee	each trainee 2.160 0.540 2.700 will be paid a Stipand of Bs.150/- 15 days period. To and fro 0.960 0.240 1.200 bus charges & D.A. will be paid to each trainee	each trainee 2.160 0.540 2.700 will be paid a Stipend of Bs.150/- 15 days period. To and fro 0.960 0.240 1.200 bus charges a D.A. will be paid to each trainee alken The stuff 0.430 0.120 0.600 will be paid T.A. & D.A.	each trainee 2.160 0.540 2.700 will be paid a Stipend of Bs.150/- 15 days period. To and fro 0.960 0.240 1.200 bun charges & D.A. will be paid to such trainee alken The stiff 0.430 0.120 0.600	each trainee 2.160 0.540 2.700 will be paid a Stipani of Ba 150/- 15 days portod. To and fro 0.960 0.240 1.200 bus charges a D.A. will be paid to each trainee alken The stiff 0.420 0.120 0.600 will be paid T.A. & D.A. ani Stipand for 15 days. 0.900 0.100	each trainee 2.160 0.540 2.700 will be paid a Stipani of Bs.150/- 15 days period. To and fro 0.960 0.240 1.200 bus charges a D.A. will be paid to each trainee alken The stiff 0.430 0.120 0.600 will be paid T.A. & D.A. and Stipand	 otal 10. -8	 	Sta 8b 8- 0.5	EFAD 8a. -8 2.160	mplication 7 ach traines 2 dill be paid stipend of s.225/- 15	Li Ei Wa	Participants II 	Programme content Participants In 5	Programme content Participants 1. Raising of seedbed nursaries 2. Raising of seedlings of (1)Cocomut.(2)Custard apple (2)Custard apple (2)Cocomut.(2)Custard apple (3)Cocomut.(2)Custard apple (4)Cocomut.(2)Custard apple (5)Cocomut.(2)Custard apple (5)Custard (5)Custard apple (5)Custard (5)Custard (5)Custar	- ion of Participants In raining train- Programme content Participants In .ing	-ion of Scope of training train- ing. Frogramme content Participants In .ing. Frogramme scatter tribal Youths who involved Ea of nursaries, seedlings, grafting 15 2. Raising of seedlings of of nursaries, seedlings, grafting 15 2. Raising of seedlings of of nursaries, seedlings, grafting 15 2. Raising of seedlings of of nursaries, seedlings, grafting 15 2. Raising of seedlings of of nursaries, seedlings, grafting 15 2. Raising of seedlings of of nursaries, seedlings, grafting 15 2. Raising of seedlings of of nursaries, seedlings, grafting 15 2. Raising of seedlings of of nursaries, seedlings, grafting 15 2. Raising of seedlings of of manon, cashew and sapota and days (1)Coconut, (2)Custard apple seedback to persons, 12 fils
each traines Litte office	be will be paid ners a Stipani of h Bs.150/- 15 in days period.	be will be paid hers a Stipani of h Bs.150/- 15 in days period.	each triffed triffed triffe will be paid hera a Stipani of h Bs.150/- 15 in days period. r-	 each trines into trine trine will be paid as 3 stipanā of Bs.150/- 15 in days period. r- To and fro 0.960 0.240 1.200 bun charges 2 & D.A. will be paid to 	a To and fro 0.960 0.240 1.200 11 bus charges 2 & D.A. will be paid to each trainee 0.960 0.240 1.200 0.960 0.240 1.200 0.960 0.240 1.200 0.960 0.240 1.200 0.960 0.240 1.200 0.960 0.240 1.200 0.960 0.240 0.200 0.960 0.200 0.960 0.240 0.200 0.960 0.240 0.200 0.960 0.240 0.200 0.960 0.240 0.200 0.960 0.240 0.200 0.960 0.240 0.200 0.960 0.200 0.	each trainee be will be paid tera a Stipenä of h Bs.150/- 15 in days period. r- 1 To and fro 0.960 0.240 1.200 till bus charges 2 & D.A. will be paid to each trainee bus year, taken	each truinee be will be paid tera a Stipeni of a B.150/- 15 in days period. r-	each trainee be will be paid bera a Stipeni of h Ba.150/- 15 in days period. r- A To and fro 0.960 0.240 1.200 ill bus charges 2 & D.A. will be paid to each trainee protus year, taken 10 at The staff 0.430 0.120 0.600 mpet will be paid T.A. & D.A. and Stipend	each traines be will be paid era a Stipeni of ha.150/- 15 in days period. To and fro 0.960 0.240 1.200 u bus charges & D.A. will be paid to each traines rs ma year, taken 10 at The stiff 0.480 0.120 0.600 mpet will be paid T.A. & D.A. and Stipend for 15 days.	<pre>edon frained inter from the first be will be paid ers a Stipeni of h Bs.150/- 15 in days period. r- in the The officers 0.960 0.240 1.200 ill bus charges 2 & D.A. will be paid to each trained brs bus year, taken 10 at The stiff 0.480 0.120 0.600 mpet will be paid T.A. & D.A. and Stipend for 15 days. - i the The officers 0.080 0.020 0.100 will bepaid T.A. D.A. &</pre>							year. 1200 trainees in) P_paya (7) Soapnuts etc., training programs in king high value platinaterial year. 1200 trainees in ke mango grafts, sapota graft 10 years. cashew graft. or making layers of pomegramate, auva	 (6) Papaya (7)Soapnuts etc., training programs in 1200 trainees in 11ke mango grafts, sapota graft 10 years. 4. For making layers of pomegramate, gauya 	technics for rais- seedlings and (6) P_paya (7)Soapnuts etc., training programmes in 3. Making higo value platimatorial year. 1200 trainees in 11ko mango grafts, sepota graft 10 years. & cashew graft. 4. For making layers of pomegramate, cauva	equipped with technics for rais- ing nursaries, seedlings and making grafts. (6) P ₂ paya (7)Soapnuts etc., 3. Making high value platinaterial year. 1200 trainees in like mango grafts, sapota graft 10 years. & cashew graft. 4. For making layers of pomegranate, cauva
	al farmers a Stipend of in each Bs.150/- 15 g camps in days period. ibal far-	bal farmera a Stipend of in each Bs.150/- 15 g camps in days period. tibal far-	a farmera a Stipend of n each Bs.150/- 15 camps in days period. sal far- ned in	<pre>Note of the second of the second of the second second</pre>	farmers a Stipand of each B.150/- 15 anps in days poriod. d far- ed in blved To and fro 0.960 0.240 1.200 rea will bus charges for 2 & D.A. will be paid to each trainee farmers t on bus	Holl farmers a Stipend of ag in each Bs.150/- 15 ing camps in days period. tribal far- rained in rained in 0.960 0.240 tarsa will bus charges tour for 2 & D.A. will be paid to	<pre>Hold farmers a Stipend of hg in each Bs.150/- 15 hng camps in days period. tribal far- rained in r involved To and fro 0.960 0.240 1.200 bt area will bun charges tour for 2 & D.A. will be paid to each trainee p 60 faumers taken on bus ers in a year, taken mers each 10 s working at The st.ff 0.480 0.120 0.600 r, Sesthaupet Vill be paid T.A. & D.A.</pre>	<pre>Al farmers a Stipeni of in each Bs.150/- 15 comps in days period. bal far- ned in nvolved To and fro 0.960 0.240 1.200 area will bus charges area will bus charges area vill be paid to each trainee O farmers en cn bus of a year, taken :s each 10 orking at The st.ff 0.430 0.120 0.600 Seethanpet will be paid T.A. & D.A. and Stipend</pre>	era a Stipend of Bs.150/- 15 In days period. To and fro 0.960 0.240 1.200 Un bus charges & D.A. will be paid to each trainee rs Ma year, taken 10 at The st.ff 0.480 0.120 0.600 mpet will be paid T.A. & D.A. and Stipend for 15 days.	Ibal farmers a Stipend of g in each Bs.150/- 15 ng camps in days period. ribal far- days period. ribal far- days period. sained in 0.960 0.240 1.200 involved To and fro 0.960 0.240 1.200 involved To and fro 0.960 0.240 1.200 is area will bus charges a D.A. will be paid to each trainee 60 farmers aich trainee 60 farmers aich trainee 60 farmers aich trainee 0.430 0.120 0.600 working at The stift 0.430 0.120 0.600 working at The stift or 15 days. - - - - 5 and Stipend - - - - - 1 for 15 days. - - - - - - 1 - 1 specid T.A. & D.A. - - - - - - - - - - - - - -	2.700	540	٥.	2.160		moinvol-	Tribal farmers	Tribal farmers y	5. Budding on roses and bar 1. Dry-land farming practices Tribal farmers with the arm	Tribal farmers	Tribal farmers

ADDEXTRE-ICKAL

FINA CIAL IMPLICATIONS OF PROJECT NAUGENCIT

		FINA CIAL INPLICATIONS	OI' PR	OJECT DALGE	<u> </u>	(Rs. in Millions)
						(Rs. in fillions)
					Amount	requireó
	_STATE LEVEL:					for 10 years
				lio.of	Per annum	(project period)
	<u>Recurring</u> :			posts		
S1.No	. Lame of the Post	Scale of pay				-
				Existing		
	Ex.Officio Director (D.f.1.)					0.5520
2.	Project Liaision Cfficer			1	0.0552	
	(in the cadre of J.D.	2410-90-2950-100-4050				
	TCREET.)			Swisting		
з.	Ex.Officio Technical			SX1SU105		
4	Officer (J.D. Horticulture)			Existing		
••	Dy.Director (Podu rehabi- litation)			PVT 20-0		0.4740
5.	Dy.Director (Monitoring)	2500		l	0.0474	2250
	(TCRITI.Regni.Centre	1920-80-2780-90-3500			0.0876	0. 8760
~	Paderu)	1810-70-2510-80-3230		2	0.1368	1.3680
6.	Research Officers	1810-70-2510-00 01		4	0.0468	0.4680
7.	Conitoring Assistants	1330-60-1930-70-25-1625		2	0.0840	0.8400
8.	Typists	910-30-1240-35-1625		5	0.0810	
э.	Attenders	740-15-950-20-1150				
	DISTRICT LEVEL:					
1.			3			
	Ex.Officio Project Director			Existing		1.8480
	(P.O.ITDAS)			4	0.1848	0.8160
2.	Asst.Director	1980-80-2780-90-3500		2	0.0816	1.4160
з.	(Horticulture)			4	0.1416	1.3200
4.	Conitoring Officer	- 000 60-1980-70-2700		4	0.1320	0.4680
5.	Horticulture Officer			1	0.0468	0.4920
	Monitoring Assts.	1330-60-1930-70-2000 910-30-1240-35-1625 :	sp1.75	3	0.0492	
6.	Typist	740-15-950 -20-1150		5		
7.	Attenders	740-10-500				
	FIELD LEVEL:					51.1920
	LAND DAVED:			237	5.1192	62.1300
1.	Field Assts.	910-30-1240-35-1625		270	6.2130	
	(sub assistants)	010				

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NON RECTRAINE	Amount required		8	
State level:	Amount		8	ABSTRACT
 Jeep Electronic typewriter Copier machine Furniture Jelephone 	0.1250 0.0100 0.1500 0.1000 0.0050	X		1. Recurring Rs. 62.1300 Hillions 2. Hon-RecurringRs. 0.5650 " Total: 62.6950 Hillions
DIGTRICT LEVEL: 1. Jeep 2. Furniture Total	0.1250 0.0500 0.5650			

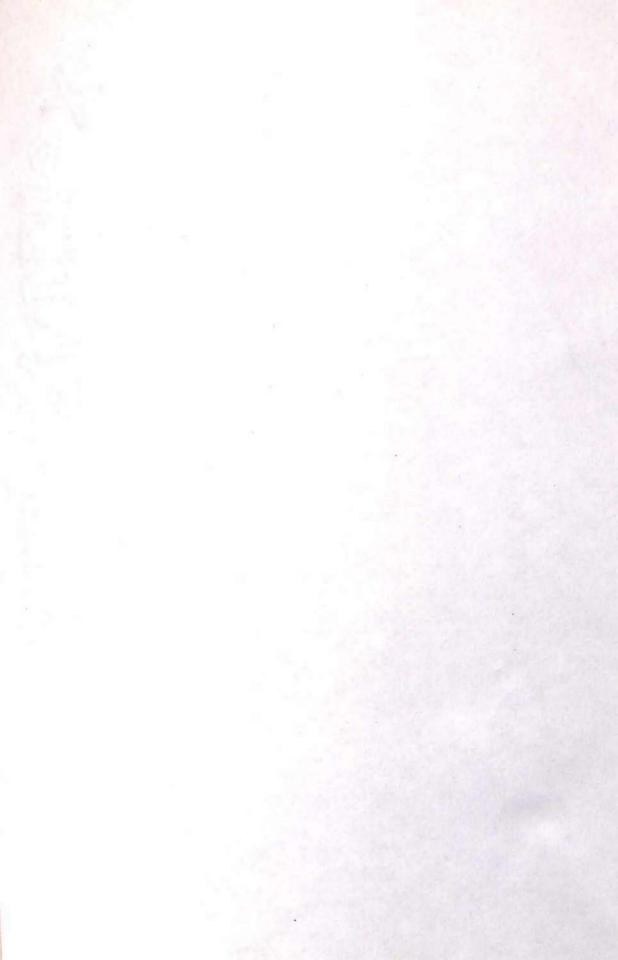
		Seetham	pac		Parvat	thipuram		Pade	eru		Rampach	odavaran	n	Fotal rea	quirements
1.No. Sector	IFAD	STATE	lotal	11 AD	State	l'ot al	IFAD	State	Total	IFAD	State	Total	TEAD	State	Tot al
2	3	4	5	6	7	8	9	10		12	13	14	15	16	17
Proposed schemes for the develop- ment of Land under Shifting cultiva- tion.	36.22	9.06	45.28	51.43	10.95	64.28	65 40		03 50						
				1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	12.00	04.20	65.42	10.30	81.78	52,85	13.21	66.06	205.92	51.48	257.40
Sub-rotal	36.22		45.28		12.85		65.42			52.85	13.21	66.06	205.92	51.48	257.40
Improvement of Land under Velleys:					;										
Seed Exchange	0.064	0.01	0.07	0.37	0.09	0.46	0,128	0.07	0.35	0.44	0.11	0.55	1.15	0.28 1115	0x22 1.4
. Irrigation	1.13	4.54	5.67	1.72	6.88	8.60	2.35	9.41	11.76	1.91	7.64	9.55	7.11	28.47	35.58
. Systematic Land Development	5.00	1,48	7.33	2.50	0.62	3.12	13.91	3.48	17.39	0.76	0-19	0.95	23.07	5.77	23.84
Sub-fotal:	7.00	6.03	13.12	4.59		12.18	16.54	í2.96	29.50	3.11	7.94	11.05	31.33	34.52	65.85
3. Soil conservation	6.34	1,58	7.92	16.17		20.20	3.63	0.91	4.54	3.69	0.94	4.63	29.83	7.46	37.29
4. Community Services	8.71	34.86	43157	48,22	192.85		11.61		58.06	13.69	54.81	68.50	82.23	328,97	411.20
5. Iraining programmes	0.58	2.38	2.96	0.48	1.93	2.41	0.72	2,85	3.57	0;17	0.70	0.87	1.96	7.85	9.81
6. Marketing facilitie	as 4.56	1.14	5.70	9.19	2.30	11.49	13.26	3.31	16.57	1.37	0.34	1.71	22.38	7.09	35.47
7. Updating of Land Records	0.02	2 0.08	B 0.10							0.91	3.66	4.57	0.93	3.74	4.67
Grand Total:	63.5	52 55.1	13 118.6	5 130.0	8 221.5	55 351.63	111.1	8 82.84	194.02	2 75.79	81.60	157.39	380.58	441.11 62.70	821.69

	Sood exclange Lond development st employ invest employ invest employ ment ment ment ment		0 0.018 0.073 0.002 7.376 0.492 3 0.008 0.456 0.015 3.134 0.308	0.008 0.349 0.012 17.300	53 0.002 0.549 0.018 0.95° 0.063	78 0.036 1.427 0.047 38.84° 1.923 		dtcalxx Amakra	Invest Employ Invest Employ I mont mont mont mont mont mont mont 33 33 33	48 3.00 0.040 2.00 0.013 3.000.04r		0.861 2.93 0.030 0.374 0.47 0.006 15.5 0.103 0.36 0.012	.878 8.97 0.119 30.1 0.200 32.92	
Rs.: Militons Militon man days	L.I. schemas paddy employ Invest employ 11 ment ment	9 10 11 12	2.90 0.06 0.550 0.12 3.00 0.06 0.233	0.08 3.00 0.06		L 81.0 02.8 02.0		Civic Housing amontules	oy Invest Br	0.063 16.80 0.448	0.824 1.23 0.033 7.30 0.	32.30 0. 0.321 0.30 0.008 14.04 0.	1.53 0.041 70.44	
ELPLOYIER GAMER STICH	Irrigation facilities Check dams Tanks GT.Hells Invest Employ Invest Employ Invest ment ment ment ment	4 5 6 7	1.95 0.04 7.027 0.014 2.78 0.06 0.24 0.013	6.69 0.13 0.46 0.024 0.034		0.42	Community	raining Roads Buildings	Invest Employ Invest Employ Invest mont mont ment ment ment 20 21 22 23 24	3.270 1.36 8.80 0.410 2.37	1.03 0.62 124.39 5.805 30.89	2.232 1.34 15.11 0.705 0.413 0.25 13.30 0.649 13.04	5.945 3.57 162.20 7.569 45.30	
	antation prog- muostiureries vest Employmen		1. Seethampeta 45.28 3.0%. Parvathiouram 64.28 4.29	Paderu · 81.73	6.06 4.40	lotal: 257.40 17.16	contô	Soil conser-	Invest Jup uant nan 18 19	1 Soothammeta 7.52 0.528	Parvathipuram 20.20	3. Paderu 4.50 0.300 A semendateren A.63 0.308	Total: 37.34	

AMBURG 10: XXXIII

contd. Annowuro - ALALL-

Drinking Tater Processing units Invest 24 Suploy invest employ mont nent nent nent ment 36 37 38 39 36 37 38 39 39 39 36 0.037 3.00 1.2 am 5.62 0.037 3.00 1.2 arrea - 0.000 1.14 0	1				Narketing	ting						
Invest 26 Simploy invest employ	- - -	Drinking	later			./arehousi	ng and Ing	 Iribal employm	self set	Bxten Bduca	tion	
ast 26 mploy invest employ invest employ </th <th>L.4.4.4.</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>1 1</th> <th>1 1 1</th> <th>1</th> <th>1 1</th> <th></th>	L.4.4.4.							1 1	1 1 1	1	1 1	
36 37 38 39 40 41 42 43 44 4 0.12 0.001 2.20 0.88 2.80 0.075 0.40 0.03 0.20 0.0 am 5.62 0.037 3.00 1.20 5.10 0.136 1.50 0.10 1.50 0 am 5.62 0.037 3.00 1.20 5.10 0.136 1.50 0.10 1.50 0 amos 5.43 2.17 3.70 0.098 6.21 0.41 0.76 0 avarea 0.0001 1.14 0.46 0.40 0.011 0.10 0.01 0.02 0 avarea 0.0001 1.14 0.46 0.40 0.011 0.10 0.01 0.02 0 avarea 0.0381 11.77 4.71 12.00 0.320 8.21 0.55 2.48	I I III	1 89	ł	 invest went	amploy	nvest ent	employ ment		employ ment	invest ment	euploy guent	
0.12 0.001 2.20 0.88 2.80 0.075 0.40 0.03 0.20 0.0 am 5.62 0.037 3.00 1.20 5.10 0.136 1.50 0.10 1.30 0 am 5.62 0.037 3.00 1.20 5.10 0.136 1.50 0.10 1.30 0 attrast - 5.43 2.17 3.70 0.0938 6.21 0.41 0.76 0 attrast 0 0.14 0.40 0.011 0.10 0.01 0.02 0 attrast 0.0001 1.14 0.46 0.40 0.011 0.10 0.01 0.02 0 attrast 0.0001 1.14 0.46 0.40 0.011 0.10 0.01 0.02 0 attrast 0.0301 1.14 0.46 0.40 0.011 0.01 0.01 0.01 0.02 0			1 1	! !			· · · · · · · · · · · · · · · · · · ·	42	43	44 	45	
am 5.62 0.037 3.00 1.20 5.10 0.136 1.50 0.10 1.30 0 20028 - 5.43 2.17 3.70 0.098 6.21 0.41 0.76 0 20028 - 0.001 1.14 0.46 0.40 0.011 0.10 0.01 0.02 0 ievarem - 0.0001 1.14 0.46 0.40 0.011 0.10 0.01 0.02 0	quetto success	0.12	100.0	2.20		2.80	0.075	0.40	0.03	0.20	100.0	
Strots 5.43 2.17 3.70 0.098 6.21 0-41 0.76 0 Area 0.0001 1.14 0.46 0.40 0.011 0.01 0.02 0 Area 0.0001 1.14 0.46 0.41 0.10 0.01 0.02 0 Area 0.0011 0.10 0.01 0.02 0 0 0.02 0 Area 0.40 0.40 0.40 0.40 0.01 0.02 0 Area 0.011 0.10 0.10 0.012 0.02 0 0 Area 0.0320 8.21 0.55 2.48 0.57 0.55 2.48	. bownething		0.037	3.00	1.20	5.10	0.136	1.50	01.0	1.30	0.01	
chočavaram 0.0001 1.14 0.46 0.40 0.01 0.10 0.01 0.02 0 	3. Paderu			5.43	2.27	3.70	86 0. 0	6.31	14-0	0.76	0.005	
	4. Rampachoûav		1000.0	אר יר	0.46	0.40	TT0.0	01.0	10.0	0.02	1000.0	
	lotal:	1 2			;		0.320		0.55	2.48	1910' 0	





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Tribal Cultural Research & Training Institute Tribal Welfare Department, Telugu Sankshema Bhavan, Masab Tank, Hyderabad-500 028. Phone : 221270