

1. INTRODUCTION

1.1. History

Kasaragod, the northernmost district of Kerala, is endowed with rich natural resources and is noted for its majestic forts, ravishing rivers, hills, green valleys and beautiful beaches. The rich and varied cultural heritage of the district is portrayed through spectacular presentations of Theyyam, Yakshagana, Poorakkali, Kolkali and Mappilappattu. Seven languages are prevalent in Kasaragod. Malayalam is the administrative language. Other languages are Kannada, Tulu, Konkani, Marati, Urdu and Beary. Prior to State reorganization, Kasaragod was part of the South Kanara district. Kasaragod became a part of Malabar district following the reorganization of States and formation of unified Kerala State. Later, Kasaragod Taluk of Malabar district was bifurcated into Kasaragod and Hosdurg Taluks and integrated with the then newly formed Cannanore district.

Kasaragod became part of Kerala following the re-organization of states and formation of Kerala in 1st November 1956. The district was Kasaragod Taluk in Kannur District. The formation of Kasaragod district was a long felt ambition of the people. It is with the intention of bestowing maximum attention on the development of backward area, Kasaragod district was formed on 24th May, 1984 as per GO (MS) No. 520/84/RD, Dated 19.05.1984 by taking Kasaragod and Hosdurg taluks from the then Kannur district. The name Kasaragod is said to be derived from the word "Kasaragod" which means Nuxvemied Forest (Kanjirakuttam).

1.2. Physiography

Kasaragod is bounded on the north and the east by Dakshina Kannada and Coorg districts of Karnataka State, on the south by Kannur district and on the west by the Lakshadweep Sea. The district lies between North Latitude 12° 02' 25" and 12° 47' 35" and East Longitude 74° 25' 54" and 75° 25' 25". It falls in the Survey of India topo sheet number 48L and 48P. The district has a total area of 1961 Sq km spread over the North- West and South-East axis.

The district is marked off from the adjoining areas outside the State by Western Ghats, which run parallel to the sea and constitute an almost continuous mountain wall on the eastern side. The Ghats dominate the topography. Based on physical features, the district falls into three natural divisions viz. the low land bordering the sea, the mid land consisting of the undulating lateritic hills and the forest clad high land on the extreme east. The coastal region of the district is full of coconut and arecanut gardens while the mid land has extensive paddy fields and long stretches of arecanut gardens.

1.3. Geology

Geologically crystalline rocks of Archaean Age occupy the entire district except along the coast. A narrow strip of tertiary and recent sedimentary rocks are seen along the coast. Charnockites and gneisses are the crystalline rocks. The crystalline rocks are extensively lateralized. The laterites by virtue of porous nature form potential aquifers and store groundwater. Lateritic soil is the most predominant soil in the area. Hydrogeologically Kasaragod Block is treated as one of the five critical Blocks in Kerala. Tunnel wells and Surangams are unique and are special features of the district. Bauxite deposits are extensively reported by Geological Survey of India in Ananthapuram area of Kumbala and Kinanoor-Karinthalam in Nileshwaram. They are of good quality deposits. Clay deposits are also available in the district. Laterites are extensively seen in the district and they are of good quality compared to those in the other parts of Kerala. The thickness of laterite varies from 5 to 30 metre. In general laterite is the lithounite at the surface in the entire district except along the coast and mounds where fresh crystallines are exposed. Due to the undulating topography, most of the groundwater escapes as subsurface flow and the wells become dry in the extreme summer.

1.4. Coastal tract

The coastal tract is divisible into low land to the west and midland to the east. The lowland area lies between the coastline and the midland. It has an average width of 10 km. The width diminishes to 1 km in many areas. In some places the coastal plain is absent. Coastal plain depicts a variety of landforms developed under marine, fluvial and fluvio-marine environments. The midland is a dissected pediplain, now representing laterite capped, flat topped hills, mounds or ridges intervened with narrow alluvial valleys. Elevation of the midland is between 15 and 40m and rarely goes up. The midland region shows general slope towards west. To its east is the high land where hill ranges of the Western Ghats attain an altitude of more than 1000 metres. The peak south of Panathur is 1046 metres above Mean Sea Level (MSL). In general the northern part of the district is less rugged than the southern part.

The recent alluvial formation include coastal sand, river alluvium and valley fill. They are composed of fine to medium grained sand. Along the course of all the major rivers, a narrow stretch of alluvium consisting of sand and clay is observed.

1.5. Drainage

There are 14 rivers flowing through the district. The longest is Chandragiri (105km). Other major rivers are Kariangode (64km), Nileshwaram (46km), Shiriya (60km) and Uppala (50km). Mogral (34km), Chithari (25km), Kavvayi, Manjeshwar (16km), Kumbala (10km), Bekal and Kalanad are other smaller rivers forming independent drainage basins but are very small ones. Two more very smaller

rivers are there in the district. They are Arayi puzha and Kumbbla River. Major rivers originate from the Western Ghats and flow towards the west to Lakshadweep Sea. Because of the undulating topography and minimum distance of the rivers to the sea, rain water drains to the sea within hours of rain. These Rivers provide ample irrigation facilities

1.6. Climate

The region is enjoying a tropical to sub tropical climate. Generally the west coast experience seasonal reversal of wind circulation, which constitutes the monsoon. The climate condition can be divided into four seasons.

Winter – January to February

Hot weather – March to May

South west Monsoon – June to September

North east Monsoon – October to November

The average maximum and minimum temperatures are 37°C and 17°C respectively. The district receives an annual average rainfall of 3350 mm. Wind speed is high during the period from March to June and low during September to December. The period from June to August experiences two-thirds of the total rain fall.

1.7. Vegetation

Kasaragod district is rich in vegetation. Flora of Kasaragod is similar to tropical flora and is rich in bio-diversity. Natural vegetation, except in coastal regions, consists of different types of forests. Shola evergreen and mangrove forests also exist here. Some time back estuaries were abundant with mangrove forests. Forest Dept is regenerating the mangrove forests through planting fresh saplings. Grass lands interspersed with herbaceous plants and scrub jungles are characteristic of the laterite hills of Kasaragod. Due to thick population, ruthless encroachment of forest and intensive cultivations, the natural vegetation is vanishing. The mangroves are endangered. It is restricted to a few places of estuarine environment. Among the cultivated plants, coconut dominates all other varieties. The picturesque and captivating scenery of thousands of coconut trees along coastal belt give a feeling of an evergreen forest to the area. Arecanut and cashew come next to coconut in cultivation. Jack fruit, mango tree, banana plantations etc. are other crops cultivated. Paddy cultivation is gradually vanishing. In the hilly areas rubber and cashews are the main crops. The coastal communities mainly depend on fishing for their livelihood.

1.8. Demography

As per 2011 Census, the district has a total population of 13,07,375 persons of whom 6,28,613 are males and 6,78,762 are females. Density of population is 657 per km². The literacy rate is 90.90%. The sex ratio is 1080: 1000. Rural population is 7,98,328 and urban population is 5,09,047. There are 2,73,410 households of which 1,69,240 are rural and 1,04,170 are urban. The district accounts for 5.13 percentage of the total area of the State. Kasaragod district is having a population density of 657 per/km², which is below state average and is positioned in the 12th place in the State.

1.9. Soil

Soil is the basic resource for the agricultural production process. Soil health is to be maintained for the sustainable development of agriculture. About three fourth of the total geographical area of Kasaragod district is under sloppy area with 1035 percent slope. Hence soil erosion is a severe problem in these areas. Besides slope, other factors such as undulating topography, high rainfall, deforestation, unscientific cultivation practices etc. also contribute to the degradation of soil.

1.10. Soil types

Following are the major soil types in the district,

- Sandy soil found in the coastal areas – approximate extent 6 %.
- Loamy soil found in paddy fields, river banks etc approximate extent 12 %.
- Sandy/ laterite loam soil found in the midland adjacent to the coastal areas approximate extent 5 %.
- Gravelly laterite soil found in the midland and moderately highland. This is found in the hill slopes and top portion of small hillocks. This is the soil type having maximum extent in the district approximate extent 62 %.
- Soil found in the highland region which is known as Forest soil clayey soil with laterite found in the Western Ghats region of the district approximate extent 15 %.

Eighteen soil series have been identified in the district. The soils are generally light to fine textured, the depth ranges from shallow to very deep and the erosion status is predominantly severe. The laterite soil in the midland and highland is found to be more fertile than the coastal sandy soil in the district. Kasaragod district receives high rainfall through the South West monsoon compared to other districts and hence the intensity of soil erosion is also high in the district. The undulating topography prevailing in this region allows much of the rainfall water to be lost as surface run off along with the precious top soil. In the places where soil survey work has been completed, it has been seen that about

ten percent of the area experience very high intensity of soil erosion. In seventy percent of the areas, the intensity of soil erosion is moderate. In areas having shallow soil depth even a moderate intensity of soil erosion also will result in serious setbacks for sustainable agricultural development. Eroded lands without the fertile top soil is subjected to further laterisation by the continuous exposure to sunlight and become barren. It is estimated that such wastelands occupy about 9.8 percent of the total geographical area of the district (18,664 hectare). Maintenance of soil health is vital to the sustainable development of agriculture. Hence efforts are required to implement programmes on sustainable soil conservation practices.

1.11. Demography

The district has a total geographical area of 1992 Km². The district covers 5.31 % of the total area of the state and 3.9 % of the total State's population as per 2011 census. Kasaragod district is unique for its linguistic culture is also **known** as "Sapthabhasha Sangamabhoomi" as seven major languages are spoken here. Agro clinically the district falls under West coastal plain and ghat zone. The district receives a normal annual rainfall of 3620 mm and is drained by 12 rivers. Despite the availability of very good rainfall and presence of these 12 rivers, the district is most affected district in the state in terms of Ground water usage / exploitation. Only two out of six blocks are safe category. Average maximum and minimum temperature are 37 and 17 degree celsius respectively. Economy of the district continues to be mainly dependent on agriculture. Major crops in the district are plantation crops, dominated by coconut followed by rubber, arecanut, cashew and pepper. Paddy, Banana, plantains and vegetables are the major food crops in the district. The district is a major producer of paddy and coconut.

Kasaragod occupies the first position in the State with regard to area under cultivation of Arecanut with 19,681 ha, as per Agricultural Statistics of 2015-2016.

1.12. District Administration

The district administration and the district head quarters is at civil station, Vidya Nagar where all major Government Department are located, which is 5 km away from Kasaragod Town. The district spread over a geographical area of about 196.13 Km² and comprise of 6 blocks, namely Nileshwar, Kanhangad, Kasaragod, Parappa, Karadka and manjeshwar. There are 38 Grama Panchayats, 3 Municipalities (Kasaragos, Kanhangad and Nileswar) and 83 Revenue villages in the district. The District is divided in to 4 Taluks namely Kasaragod, Hosdurg, Vellarikkundu and Manjeswar.

2. RESOURCE ANALYSIS

2.1. Agriculture Sector

2.1.1. Introduction

Agriculture plays a vital role in the economy of Kasaragod district. Majority of the population of the district depend either directly or indirectly on farming sector for their livelihood. A wide range of crops and cropping patterns exist in the district in tune with the varied agro climatic zones. Paddy, coconut, arecanut, cashew, rubber, pepper, banana and vegetables are the major crops grown in the district. Kasaragod receives the highest amount of rainfall in the State. The annual average rainfall of the district is 3500 mm, a lion's share of which is received during the South West monsoon period from June to August. The long dry spell adversely affects the agricultural production in the district. The agriculture sector in the district is moving through a period of crisis as is the case with the general agricultural scenario in the State. Farmers experience so many problems in improving their farming situation. Fall in price of the principal agricultural commodities of the district, ever increasing cost of cultivation, low productivity of crops, fragmentation of holdings and degradation of natural resources, lack of labour, lack of irrigation facilities, low level of product diversification or value addition and lack of proper market infrastructure are some of the problems experienced by the cultivators.

There is an increasing tendency among the farmers of the district for ruthless conversion of land for cash crops, especially rubber, replacing coconut and food crops. The unscientific and indiscriminate use of the insecticide endosulfan in the cashew plantations in the district owned by the Plantation Corporation of Kerala (PCK) and health problems observed among the local population has been a point of debate since 1999. In the light of existing problems, Kasaragod district has been declared as organic district. However, farmers have not been provided with access to the required inputs and knowhow for alternate/organic methods of farming. In the present era of globalization, effective strategies are required to support the farming community of the district to remain competitive and to make farming a remunerative enterprise.

2.1.2. Land use pattern

Based on the physiographic conditions, the district can be divided into low land, midland and high land. The high land lies on the western slope of the Western Ghats. The important crops grown in this area include rubber, pepper, and coconut. The low land runs along the sea coast and is almost level in topography. Paddy and coconut are the major crops cultivated in this area. The area sandwiched between the high land and low land is the midland, which is characterised by an undulating terrain. The midland is a very important tract for agriculture. Paddy is cultivated in the valleys, while crops like coconut, arecanut, rubber, and cashew are grown on the slopes of hills.

Out of the district's total geographic area of 1.99 lakhs ha, Net Area Sown is 1.46 lakhs ha and total cropped area is 1.55 lakhs ha, with a cropping intensity of **103 %** whereas that of the State is 129.88%. As much as 86% of land holding is below 1 ha (43 % of the area) and 10% is between 1 and 2 ha (26 % of the area). The remaining 4 % is above 2 ha (31 % of the area).

TABLE- 2.1.2.1
Land use pattern

Sl.No.	Particulars	Value
1	Total Area	199166 Ha
2	Forest Land	5625 Ha
3	Non Agriculture Land	25611 Ha
4	Cultivable Waste land	8806 Ha
5	Current fallow	2597 Ha
6	Other Fallow	2160 Ha
7	Net Sown Area	146058 Ha
8	Land Under Misc.tree crops	258 Ha
9	Permanent Pasture and Grazing land	0
10	Gross Cropped Area	155498 Ha
11	Area Cultivated more than once	9440 Ha

2.1.3. Area, Production & Productivity of Agriculture crops

Paddy, arecanut, coconut, rubber, cashew and pepper are the major crops of the district. The details of area, production and productivity of the important crops grown in the district are furnished in the table below.

Paddy is cultivated in 3843 hectare with a total production of 8560 tonne and productivity of 2.227 tonne/hectare. Area under paddy is only 2.4% of the total cropped area in the district and the productivity of paddy in the district (2,227 kg/hectare) is lower than the state average (2,590 kg/hectare).

Coconut occupies 41 % of the total cropped area of the district. It is cultivated in 64335 hectare with a production of 69 million nuts. The productivity of coconut in the district (9622 nuts/ hectare) is above the state average (7432 nuts/ hectare). Arecanut is an important cash crop cultivated in the district which occupies an area of 19681 hectare with a production of 53143 tonnes and productivity is 2700 kg/ hectare. Kasaragod district stands first in the production and productivity of arecanut in the state. Cashew is cultivated in 6845 ha in the district which is 15.88 % of total cashew cultivation in the state. Productivity of cashew in the district (563 kg/hectare) is less than the state average of 574 kg/hectare. Rubber cultivation is gaining popularity among the farmers and its area under cultivation is increasing during the last many years. The area under rubber is 33910 hectare and production 25850 tonnes. Rubber is mainly replacing cashew and in some of the midland and eastern hilly terrains it is replacing coconut also. However, productivity of rubber in the district (762 kg/ hectare) is lower than the state

average of 796 kg/hectare. Pepper is cultivated in an area of 2747 hectare in the district with a production of 1189 tonne. It is mainly cultivated as a mixed crop in coconut and arecanut gardens. Productivity of pepper in the district is 433 kg/hectare which is less than the state average of 490 kg/hectare.

TABLE 2.1.3.1
Area, Production and Productivity of Agriculture crops

Sl.No.	Crop	Area(Ha)	Production(Ton)	Productivity(Kg/Ha)
1	Paddy	2393	8560	2227
2	Tapiocca	504	19991	39665
3	Banana	645	7015	10876
4	Sugarcane	0.59	0	0
5	Plantain	2260	11424	5055
6	Pineapple	44	28	6455
7	Coconut	64335	69 million nuts	9622
8	Arecanut	19681	53143	2700
9	Nutmug	159	204	1283
10	Ginger	15	56	373
11	Turmeric	33	84	2545
12	Jack	2769	11 million nuts	3973 nos.
13	Mango	2702	9508	3519
14	Cashew	6845	3857	563
15	Pepper	2747	1189	433

2.1.4. Area & Production of Plantation crops

Plantation and horticulture plays a predominant role in the economy of Kasaragod district. Any adverse developments either in terms of price or production would impact the socio – economic fabric of the district. Rubber cultivators have already felt the heat of dip in prices of raw rubber. Kasaragod is having the largest area under arecanut in the state. Other major plantation and horticulture crops grown in the district are coconut, rubber, cashew, pepper.

TABLE- 2.1.4.1
Area & Production of Plantation crops

Sl.No.	Crops	Area(In Ha)	Production(Tonne)
1	Rubber	33910	25850
2	Tea	0	0
3	Coffee	0	0
4	Cardomom	0	0
5	Cashew	6845	3857
6	Oilpalm	-	-

2.2. Water resources

The district has 12 rivers varying in length from 16 km to 105 km. Manjeswaram river, Uppala river, Sheria river, Mogral river, Chandragiri river, Chithari river, Neeleswar river, Kariangodu river, Karrai river are the main rivers in the district. The total length of these rivers in the state is 441 km with catchment area of 2065 Km². The estimated water availability is 3039 Mm³.

The total length of the rivers in the district is 163 km and the catchment area is 1922 Km². All these rivers are west flowing. Kasaragod district has no reservoir. The district has 12 estuaries and back waters. These have a total extend of 7331.46 hectare.

TABLE- 2.2.1
Artificial water resources

Sl.No.	Artificial resources	Number	Irrigated / Catchment area in ha.
1	Govt. canal / Thodu		530
2	Private canal/Thodu		19
3	Govt. Pond		43
4	Private Pond		12141
5	Govt. well		15
6	Pvt. Well		28108
7	Bore well/Tube well		10669
			51525

TABLE- 2.2.2
Natural water resources

Sl.No.	Natural resources	Length (in Km)	Catchment area - State (in Km ²)	Availability (in Mm ³)	Average yield
1	Manjeswaram river	16	90	60	
2	Uppala river	50	76	106	10.91 TMC
3	Sheria river	67	290	358	21.85 TMC
4	Mogral river	34	132	50	
5	Chandragiri river	34	570	1218	60.64 TMC
6	Chithari river	105	145	100	8.99 TMC
7	Neeleswar river	25	190	150	
8	Kariangodu river	46	429	937	47.89 TMC
9	Karrai river	64	143	60	
		441	2065	3039	

TABLE-2.2.3**Estuaries and backwaters with extend of area**

Sl.No.	Estuaries / Backwaters	Area (ha)
1.	Cheruvathur	1123.12
2.	Nileshwaram	824.69
3.	Chithari	89.33
4.	Bakel	43.37
5.	Kappil	2.22
6.	Neembil	22.47
7.	Chandragiri	575.81
8.	Mogral Puthur	89.74
9.	Kumbala	221.54
10.	Suvarnagiri	6.22
11.	Manjeswar	158.41
12.	Thalapady	17.12
		3174

TABLE – 2.2.4**Freshwater ponds, tanks and other impoundments with extend of area**

Sl.No.	Ponds/Tanks	Area in ha.
1.	Private ponds	68
2.	Panchayat ponds	35
3.	Quarry ponds	.47
4.	Holy ponds	9.2
5.	Village ponds	25.94
6.	Irrigation Tanks	1244.28
		1382.89

2.3. ANIMAL HUSBANDRY SECTOR**2.3.1. Animal Husbandry**

Animal husbandry plays an important role in improving the economic status of the people. It provides immense opportunities for gainful employment. It also helps to increase production of milk, meat, egg, wool, bone, skin, hide and manure. Development in the animal husbandry sector has contributed to women empowerment in a substantial way.

TABLE-2.3.1.1**Livestock Population**

Category	DISTRICT	STATE
Cattle	81698	1328627
Buffalo	1280	102269
Goat	33757	1246077
Sheep	10	1446
Pig	2941	55782
Poultry	375162	10611984
Rabbits	3509	230550

Dogs	40119	923359
Elephants	0	716
Horse	-	-

2.3.2. Dairy Production

Kasaragod is a land gifted with natural conditions ideal for the development of dairy sector and there is abundant scope for rearing cattle, buffalo and goat. The district has recorded notable improvement in milk production during the last several years. Nevertheless, the gap between the demand and production of milk in the district has been widening. The contribution of the district to the State's total milk production is only 1.32%. Dairy sector offers employment and income throughout the year to the farmers, with low capital investment. This sector also assures immediate economic returns for the investment. Kasaragod has been declared as an organic farming district. Logically organic farming will have to start from dairying. Hence development of dairy sector is crucial for the economic development of the district. Dairy development occupies a key place in the economy of Kasaragod district, as small and marginal farmers by and large depend on the scope for supplementary income. Further, cattle is the main source for farm yard manure. Taking in to consideration of demand and supply of milk, the district still continues to be milk deficient. Aggregate annual milk procurement by MILMA and local milk societies is about 207.75 lakhs litres (Daily average of 56918 litres).

TABLE-2.3.2.1

Milk Production

Year	District	Kerala	% w r t Kerala
2014-15	41471 MT	2711130 MT	1.53 %
2015-16	115350 MT	2649720 MT	4.35 %
2016-17	108930 MT	2520290 MT	1.32 %

TABLE-2.3.2.2

Society Milk Procurement

Year	Total milk procurement	Society milk procurement	% w r t total milk production
2014-15	195.32 Lakhs	142.97 Lakhs	47.09 %
2015-16	214.38 Lakhs	159.29 Lakhs	18.59 %
2016-17	207.75 Lakhs	144.52 Lakhs	19.07 %

2.3.3. Poultry farming

Poultry can provide subsidiary income and gainful employment to farmers throughout the year. Among various poultry rearing activities, Broiler farming is preferred more on commercial lines. Demand for poultry product is high in the district on account of food preferences and its availability at a relatively reasonable price. Poultry population in the district is 375162. There is huge demand for eggs

in the district. Monthly egg production in the district is about 56 lakhs against a demand of 231 lakhs. At present eggs and feed are being supplied from Karnataka and Tamilnadu.

Kasaragod district has got a good potential for developing goat rearing and piggery units in view of the high local demand in the district. As per the 2012 livestock census data, there were 33757 goats and 2941 pigs in the district. Small ruminants viz. sheep and goat are being reared by small and marginal farmers for supporting their livelihood.

It has estimated that per capita availability of egg in the district is 52 nos. per annum. Per capita per day availability of Milk, Meat, Fish are respectively 46 gm, 9 gm and 81 gm respectively.

TABLE-2.3.3.1

Meat Production

Item	2015-16	2016-17
Total meat production excluding poultry	5150 MT	13270 MT
Total Poultry Meat	22890 MT	6860 MT

2.4.RESOURCE ANALYSIS - FISHERIES

Fisheries is an important economic activity and contribute to significant growth in nutritional security, employment generation and foreign exchange earnings. The district has a coastal line of 70 km (12 % of the total coastal line of Kerala) extending from Trikaripur to Bangara – manjeswar. There are many fish landing centers in the district and transport facilities. There are many ice plants in public and private sectors. Kasaragod district has 25918 in Km²

District has 18 fishing villages in which 16 are of Marine and 2 are of Inland. District also have 24 Fishermen Co Operative societies. Fishing Villages in the district are bangara – Manjeswar, Shriya, Kavugoly, Kasaba, Kizhur, Kottikulam, pallikere, ajanur, Hosdurg, Kadappuram, Thaikadapuram, Punjabi Kadapuram, Padanna Kadapuram, Kadakode, Valiyaparamba and Trikaripur Kadappuram are the fishing villages in the district. The brackish water area available is 3248 ha.

As per Kerala marine Fisheries Statistics, 2015, Kasaragod district has One Fishing Harbour at Cheruvathur and another is under progress at Kasaragod. It has also proposed to construct one more fishing harbour at Ajanoor Kadappuram. The estimated fisher men population (2014-2015) is 44098 in which 43115 is Marine and 983 is Inland population. District has 9983 active fisher men from 6206 fishermen families. As per available information there are 2817 fish vendors in the district in which 524 are male and 2293 are female.

Kasaragod district has 19 Fish landing centres at Pallikere, kotikulam, Bekal, Kizhur, Thalagara jetty, Kasaba, Adakathbail, Mogral, Koipadi, Uppala, Arikkadi, Hosabettu – Udavur, Kunhathur, Ajanoor – N- Belle, Chittari, Hosdurga S-bella, Thaikadappuram, Cheruvathur

As there is good presence of inland water bodies like rivers (12 rivers with total length of 407 km), ponds and backwaters, the district offers potential for fisheries development in all the major sub sectors viz marine, inland and brackish water. As per available information, there are about 4000 persons engaged in fisheries activities in fresh water ponds/tanks supported under Matsyasamruthi projects in the district.

TABLE – 2.4.1
Fish Production (in MT)

Year	Marine	Inland
2012-2013	530000	149000
2013-2014	522000	182000
2014-2015	524000	202000

2.5. MINERAL RESOURCES

The important mineral deposits in Kasaragod District are China Clay and Bauxite, lignite and limeshell. An extent of 1 sq.km. in Morathana-Pavoor area of Kasaragod District was demarcated as having potential for the occurrence of minerable china clay. In Kayyur-Klayikode area it was reported as having deposits of 0.55 million tones of lignite and/or carbonaceous clay and 1.25 million tones of china clay. Good deposits of china clay have been identified around Nileshtar, Uppala, Periya and Meeyapadavu areas of the district. Good quality Bauxite deposits have been identified near Kumbala and Nileshtar, Kanhangad and cheemeni areas. Minor minerals like laterite, granite, river sand and ordinary clay are also quarried for construction purposes in the district. Geologically the whole Sub-Micro Region of Cannanore Coast is of recent bed-soil alluvium. A very little portion of Hosdurg Taluk has Quilon and Warkalai beds of Miocene Age while the Sub- Micro Region-Kasaragod Taluk is under charnockite mesa of Archean Age with the intrusion of unclassified granite and khondalites. The Mattannur Undulating Upland is of charnockite bed with the intrusion of ridge of Dharwar Group and a very little portion of Quilon and Warkalai bed of Miocene Age in the eastern part. The district has good resources of china clay and tile clay, especially along the coast. Laterite is widely quarried for bricks and used in building construction. At Palai, east of Nileswaram, Cheruvattur and Klayikkod, carbonaceous clay and lignite are reported. The Quaternary sediments in the vicinity of Cheruvattu, south of Karyamkode river and Mogral have good limeshell deposits

2.6. FOREST RESOURCES

Forests are lungs of planet Earth. Forestry development reducing soil erosion and flooding, ensuring supply to the growing needs of domestic wood products industries and meeting the fuel wood, fodder, small timber requirement of the rural population. As per Agricultural Statistics data for 2015-2016, the forest cover in the district is 5625 ha.

According to the information furnished by village officials there are forest lands in Karadka, Nattanige, Delampady, Muliya, Adoor and Bandadka Villages in Kasaragod Taluk and Kallar,

Parappa, Panathady, Balal, Maloth, West Eleri, Bheemanady and Palavayal villages in Hosdurg Taluk. 2663.11 hectares of land consisting 2.74 per cent of total area of Kasaragod Taluk and 2704.62 hectares consisting 2.73 per cent of total area of Hosdurg Taluk are forest lands. The forest produces are shegaibark, sheakoy, cardamom, canes, fibres, etc.

Adoor, Eleri, Karadukka, maloth, Parappa, Panathady and Muliya are some of the reserve forest in the district. These forest areas have different types of medicinal plants and shrubs.

Mangrove Forests or Kandal Kadukal also there in Chittari, Manjeswar, Mogral, Uppala, Shiriya rivers areas of the district.

TABLE- 2.6.1

Forest Plantation - Kasaragod Division

Item	Area
Hard wood	842.87
Soft wood	318.014
Bamboo/cane	467.292
Cashew	1127.71
Total	2755.886

TABLE – 2.6.2

Forest plantation – Species wise - Kasaragod Division

Sl.No.	Plantation	Area (in Hectres)
1	Teak	842.874
2	Accacia&Mangium	190.038
3	Eucalyptus	-
4	Cane	299.412
5	Bamboo	167.800
6	Rose wood	-
7	Mahagoni	127.634
8	Pepper	-
	Total	2755.886

2.7. HUMAN RESOURCES

2.7.1. Key features

With 1307375 persons, Kasaragod District ranks 11th among the Districts of the State in population. Work participation rate of the district is 35.41 per cent and is in 8th Position among the Districts in 2011 census.

Kasaragod District ranks 7th in female work participation rate (20.32 percent) in 2011 Census.

Kasaragod District ranks 10th in total density 657 persons per sq.km and 10th in Urban Density 4056 persons per sq.km in 2011 census

In sex ratio the district ranks 9th with 1080 females per 1000 males in 2011 census.

In child sex –ratio, the district has ranks 12th with 961 female children per 1000 male children in 2011 census

In the percentage of ST population to total population (3.74 percent) the district ranks 3rd in 2011 census.+

The District ranks 12th in percentage of SC population to total population (4.1per cent) in 2011 census.

In literacy rate (90.1percent) the Kasaragod District ranks 12th in 2011 Census.

In the district 84.8 per cent of workers are main workers and 19.5 percent are Marginal Workers in 2011 census.

The District has the highest percentage of workers in household industry (5.3 per cent) in 2011.

TABLE-2.7.1.1

RESOURCE ANALYSIS – POPULATION

Sl.No.	Particulars	Value
1	Population	1307375
1.1	SC	53283
1.2	ST	48857
1.3	Others	1205235
2	Sex-wise	
2.1	Male	628613
2.2	Female	678762
3	Population Density/Sq.Km	657
4	Sex ratio (No.of females/1000 males)	1080
5	Rural Population	798328
5.1	Male	387716
5.2	Female	410612
6	Urban Population	509047
6.1	Male	240897
6.2	Female	268150
7	Population in age group 0-6	155807
7.1	Male	79460
7.2	Female	76347
7.3	Sex Ratio	961

8	Work force availability	
8.1	Male	325095
8.2	Female	137903
8.3	Sex ratio	424
9	No of Literates	1037492
9.1	Male	516476
9.2	Female	521016
10	Main workers	
10.1	Cultivators	20569
10.2	Agri labourers	27722
10.3	Household Industry workers	17951
10.4	Other workers	306458
11	Marginal workers	
11.1	Cultivators	3163
11.2	Agri labourers	11052
11.3	Household Industry workers	6545
11.4	Other workers	69538
12	Work participation rate	

2.8. EDUCATION

Essence of Human Resource Development is Education, which plays a significant role in balancing the socio economic frame work of the country. District has 2 Educational district, viz kasaragod and Kanhangad and 7 Educational sub District, viz Manjeshwaram, Kumbala, Kasaragod, Hosdurg, Chittarikkal, Cheruvathur, Bakel .

TABLE-2.8.1

EDUCATIONAL INSTITUTIONS

Sl.No.	Education Institutions	Govt.	Aided	Unaided	Total
1	Lower Primary school	143	112	16	271
2	Upper Primary schools	60	70	26	156
3	High Schools	98	35	31	164
4	Higher Secondary schools	62	18	12	92
5	VHSE	10	6	-	16
6	Technical High Schools				02
7	Polytechnics				03
8	ITI	7	4	-	11
9	TTC/TTI	2	1	1	4
10	VHSS + Higher Secondary	11	1	-	12
11	Schools for physically handicapped				02

12	Schools for deaf and dumb				02
13	CBSE School				31
14	ICSE School				4
15	Colleges				0
16	Arts & Science	3	3	10	16
17	Engineering College	1	-	1	2
18	Medical College				0
19	Veterinary College				0
20	Diary Science College				0
21	Kerala Agricultural College	1			1
22	College of Agriculture & Banking Management				0
23	Nursing College			3	3
24	Pharmacy College			2	2
25	Training College			3	3
26	Ayurvedic College			1	1
27	Dental College			1	1
28	Law College			-	0
29	Arabic College			3	3
30	Fine arts college				0
31	Central University	1			1
32	Research and Development institutions				
33	Agricultural University	1			1
34	Medical University				0
35	Food Craft institute				0
36	Others, Specify, if any				0

2.9. HEALTH

TABLE-2.9.1

MEDICAL INSTITUTIONS

Public Health Institutions	Number
Allopathic hospitals	48
Beds in allopathic hospitals	1934
Govt. Ayurveda hospitals	01
Pvt. Ayurveda Hospital	12
Ayurveda dispensaries	18
Govt. Homeo hospitals	01
Pvt. Homeo Hospital	04

Homeo dispensaries	14
Community health centers	10
Primary health center - Allopathy	37
PHC - Homeo	05
Leprosy hospital	-
Mental health care	-
Sub health center	-
District T.B centers	-

2.10. EMPLOYMENT EXCHANGE

TABLE-2.10.1

Unemployed persons registered under Employment Exchange including that of Professional Employment Exchange and R.I centres

	General	Scheduled Caste	Scheduled Tribe	Total
Male	7594	2337	621	10552
Female	14005	2437	611	17053

Below X	X	+2	Graduate	P G	Technically Qualified		
					Graduate	Diploma	Certificate course
2059	13374	8312	3293	567	977	404	705

2.11. Tourist centers

The district is known for its remarkable forts, historic monuments, temples, mosques, rivers, backwaters and rich sandy beaches. While tourist spots in south Kerala have been more or less commercialised, the North Kerala presents virgin tourist destinations. Kasaragod lying in the northern most part of Kerala has immense tourism potential. Bekal Fort has already attained international recognition and has been attracting numerous tourists every year. However, many other tourist destinations in the district are lagging behind because of the lack of promotional activities and pitiable infrastructure.

TABLE-2.11.1
TOURISM STATISTICS

Sl.No	Name& Location	Distance from HQ	Nature of Tourist Facilities (Yes-1.No-0)								Approximate no.of tourists arrival
			Boating	Trucking	Land scape	museum	Art Gallery	Historical	Shooting	Pilgrimage	
1	2	3	4	5	6	7	8	9	10	11	12
1	Molothumkavu	3.5km	0	0	0	0	0	0	0	1	NA
2	Ariyil Kalari	9	0	0	0	0	0	0	0	1	NA
3	Varikkulam	10	0	0	0	0	0	1	0	0	NA
4	Thonikkadavu	5	0	1	1	0	0	0	0	0	NA
5	Sree Panchalingeshwara Temple	3.5	0	0	0	0	0	0	0	1	NA
6	Sree Velakunnu Shiva Temple	1	0	0	0	0	0	0	0	1	NA
7	Pulikkode	10									NA
8	Kalagramam,Santhinagar	6 km	0	0	0	0	1	0	0	0	350
9	MADHUR TEMPLE,MADHUR	1.5	0	0		0	0		0		182500
10	MAIPADY PALACE	3	0	0	0		0	0	0	0	1000
11	SHREE DURGA PARAMESHWAR TEMPLE MALLAM	3	0	0	0	0	0	0	0	1	10000
12	POVVAL FORT	2	0	0	0	0	0	1	0	0	100
13	KANATHUR KOTTARAM	7	0	0	0	0	0	0	0	1	10000
14	BAVIKARA MAKHAM	42	0	0	0	0	0	1	0	1	10000
15	Nellikunnu light house and beach	2	0	0	0	0	0	0	0	0	12000
16	Malik deenar mosque	3	0	0	0	0	0	1	0	1	60000
17	Posadigumba	7km	0	1	1	0	0	0	1	0	
18	Anandasram, Mavungal Kanhangad	2 KM	0	0	0	0	0	0	0	1	73000

19	Guruvanam, Mo nacha	6	0	0	0	0	0	1	0	1	2500
20	Nithyananda ashramam, hosdurg	0.5	0	0	0	0	0	1	0	1	30000
21	BEKAL FORT	200M	0	0	0	0	0	1	1	1	3600
22	PALLIKKARE BEACH PARK	150M	0	0	0	1	0	0	1	0	164250
23	OYSTER OPERA	2	1	0	0	0	0	0	0	0	524
24	Madakkara Harbour	4.4 Km	0	0	0	0	0	0	0	0	25
25	EDAYILAKKAD	5 KM	0	0	1	0	0	0	0	0	1500
26	PULIMUTT , MAVILAKADA PPURAM	10	0	0	1	0	0	0	0	0	2000
27	KOTTANCHERY	18	0	1	1	0	0	0	0	0	1000
28	RANIPURAM	6	0	1	0	0	0	0	0	0	48

2.12. INFRASTRUCTURAL FACILITIES

2.12.1. Transportation

2.12.1.1. Roads

TABLE- 2.12.1.1.1

ROADS

Name of Roads	No	Name	Distance in km
National highways through block	1	NH - 66	85.9 km
State High ways	4	SH NO. 55, SH NO.56, SH NO. 57, SH NO. 31	141.78 km
Major District road	186		1303.049
Other District roads			527.61
Village roads			6184.801

2.12.1.2. Railways

Road connectivity is a key component of development by providing access to economic and social services. Railway line passing through the coastal area is another feature of the district. People rely mostly on the train service for commutation to Mangalore and Kannur. The Mangalore- Shornur

railway line of the southern railway passes through Kasaragod. A major thrust on the rail transport network happened with the opening up of Konkan railway, providing direct access to Mumbai. The Shornur-Mangalore railway line connects important places of the District covering a distance of 81 km through the coastal belt of the district. The important railway stations are: Kasaragod, Kanhangad

2.12.1.3. Airports

The nearest airports are Mangalore (70km) and Kozhikode (200km). A new airport is coming up in Kannur.

2.12.1.4. Waterways

The only port in the district is Kasaragod on the eastern banks of the backwater formed by the Chandragiri River which is separated from the sea by a small sand pit. It is a tidal port and is closed for shipping during the south west monsoon period. The other nearest port is Manglore port which is 50 kms on the border of Karnataka State.

2.12.2. Electric power:

The KSEB has only distribution and transmission wing in Kasaragod. There is no power Generation wing. KPCL, a private thermal power plant located at Mylatty is the only power generating unit in the district. Therefore the district is facing acute shortage of quality power. This is one of the reasons why industries are not coming up in Kasaragod. In order to achieve a comprehensive development of the district there is a need to ensure supply of uninterrupted good quality power. Whole area of Kasaragod district comes under the jurisdiction of Electrical Circle, Kasaragod, under a Deputy Chief Engineer, headquartered at Kasaragod town. Total number of consumers under this circle is 4,24,668 as on 30.06.12. Electrical Divisions at Kasaragod and Kanhangad are at the next level offices. There are 12 sections distributed under 4 subdivisions in Kasaragod Division and 14 sections under 4 subdivisions in Kanhangad division. Table below provides a synopsis on the assets of the distribution infrastructure in the district

TABLE-2.12.2.1 (1)
KASARAGOD DIVISION

Office Name	Total HT Line (km)			Total HT Line (km)		
	HT Line			LT Line		
	OH	UG	Total	SP	TP	Total
UPL	70.24	0.2	78.44	179.52	202.36	381.88
MJR	70.57	1	71.57	188.73	222.53	411.26
VKD	75	3	78	181.93	224.7	406.63
NLK	93.88	7.27	101.15	326.45	290.13	616.59
KBL	130.96	0.8	131.76	343.76	301.68	645.44
KSD	58.82	7.24	66.16	284.15	166.58	450.73
CKL	131.59	0.06	131.65	337.88	263.29	601.17
BOK	247.3	0	247.3	712.82	781.66	1,494.48
MLR	195.67	0	195.67	443.24	477.17	920.4
UDM	99.67	0.27	99.94	412.06	14.47	426.53
KKL	138.41	0.35	138.76	481.76	373.48	855.24
PVK	85.6	0	85.6	239.28	304.83	544.11
CTL	64.57	0	64.57	243.42	208.39	451.8
PRL	106.57	0	106.67	237.89	312.43	550.32
STLY	75	0	75	294.51	260.54	555.05
DVN	1,651.96	20.19	1,672.15	4,907.40	4,404.23	9,311.63

TABLE-2.12.2.1 (2)
KASARAGOD DIVISION

Office Name	Transformers									Total
	25 KVA	50 KVA	63 KVA	100 KVA	160 KVA	250 KVA	315 KVA	500 KVA	CSS 990 KVA	
UPL	0	0	3	86	28	2	0	0	0	119
MJR	0	0	0	97	16	7	0	0	0	120
VKD	0	0	0	80	15	2	0	0	0	97
NLK	0	0	2	95	33	17	0	6	0	153
KBL	0	0	0	132	13	10	0	0	0	155
KSD	0	0	1	115	28	20	0	0	0	164
CKL	5	0	2	150	6	6	0	0	0	169
BOK	5	0	6	120	18	1	0	0	0	150
MLR	12	0	3	132	15	2	0	0	0	164
UDM	0	0	1	69	14	7	1	0	0	92
KKL	7	0	6	105	6	0	0	0	0	124
PVK	8	0	1	75	10	1	0	0	0	95
CTL	1	0	3	82	10	2	1	0	0	99
PRL	0	0	7	69	11	0	0	0	0	87
STLY	1	0	1	83	7	15	0	1	0	108
DVN	39	0	36	1,490	230	92	2	7	0	1,896

TABLE-2.12.2.2 (1)
KASARAGOD DIVISION

Office	Domestic Service Connection		Commercial Service connection		Agricultural Service Connection		Industrial Service Connection		Other Service connection	
	SP	TP	SP	TP	SP	TP	SP	TP	SP	TP
UPL	13,410	560	3,996	192	1,567	677	15	100	52	0
MUR	12,393	395	2,996	166	1,503	492	28	137	142	0
VKD	9188	166	1,640	78	2,272	997	12	65	71	0
NLK	19,558	1,179	3,799	155	1,505	560	38	207	327	137
KEL	16,573	725	1,834	129	1,827	1,522	22	136	2,450	57
KSD	12,576	1,492	5,644	532	667	188	90	861	160	28
CKL	17,561	792	3,291	171	2,706	761	17	137	388	46
BDK	14,555	380	2,443	78	3,188	1,713	35	91	785	76
MLR	12,212	305	1,578	165	3,053	867	14	33	105	7
UDM	13,092	1,521	4,114	196	2,179	351	61	33	8	0
KKL	12,190	131	2,469	86	2,488	990	20	67	89	0
PVK	7,623	225	1,413	94	1,633	921	15	39	61	0
CTL	9,112	625	1,187	141	2,280	557	84	90	13	2
PRL	6,520	216	1,065	33	1,260	1,208	9	45	186	19
STLY	8,752	291	1,219	21	1,373	964	22	105	746	70
DVN	1,85,115	9,003	38,688	2,237	29,503	12,768	482	2,146	5,583	447

TABLE-2.12.2.2 (2)
KASARAGOD DIVISION

Office Name	Total			HT SC	Street Light SC	Total Service Connection
	SP	TP	Total LT SC			
UPL	19,040	1,529	20,569	2	2	20,573
MUR	17,062	1,195	18,527	7	1	18,765
VKD	13,183	1,306	14,489	2	6	14,497
NLK	25,227	2,238	27,465	6	22	27,493
KEL	22,506	2,569	25,075	1	1,664	26,740
KSD	19,137	3,101	22,238	17	12	22,267
CKL	23,965	1,507	25,872	6	3	25,881
BDK	21,006	2,338	23,344	1	21	23,366
MLR	16,962	1,377	18,339	0	603	18,942
UDM	19,454	2,101	21,555	4	2	21,561
KKL	17,256	1,274	18,530	0	2	18,532
PVK	10,745	1,279	12,024	0	0	12,024
CTL	12,676	1,415	14,091	2	2	14,095
PRL	9,040	1,521	10,561	0	0	10,561
STLY	12,112	1,451	13,563	4	12	13,579
DVN	2,59,371	26,601	2,85,372	526	2,352	2,88,376

TABLE-2.12.2.3.(3)
KANHANGAD DIVISION

Office Name	Total HT Line (km)			Total HT Line (km)		
	HT Line			LT Line		
	OH	UG	Total	SP	TP	Total
Kanhangad	38.67	10.06	48.73	123.35	101.24	224.59
Chittari	56.17	.53	56.7	147.6	141.53	289.14
Nileswaram	77.71	.26	77.97	305.29	157.64	462.93
Bheemandy	173.54	0	173.54	460.8	281.94	742.74
Pilicode	72.82	.06	72.88	206.43	143.77	350.2
Kayyur	85.24	0	85.24	320.05	211.07	531.13
Trikaripur	63.48	0	63.48	172.94	126.8	299.74
Mavungal	116.64	0	116.64	568.45	314.81	883.27
Rajapuram	138.34	0	138.34	424.55	285.4	709.95
Padanna	35.49	0	35.49	90.89	284.67	375.56
Nallompuzha	85.32	0	85.32	295	181.78	476.78
Choyamkode	88.34	0	88.34	278.41	174.64	453.05
Balamthode	111.87	0	111.87	353.12	216.42	569.54
Periya Bazar	80.23	0	80.23	305.87	223.69	529.56
Padannakkad	31.03	0	31.03	67.76	89.59	157.35
Total	1254.89	10.91	1265.8	4120.51	2934.99	7055.51

TABLE-2.11.3.2 (4)
KANHANGAD DIVISION

Office Name	25 KVA	50 KVA	63 KVA	100 KVA	160 KVA	250 KVA	315 KVA	Total
Kanhangad	0	0	0	52	24	14	1	91
Chittari	0	0	0	80	22	10	0	112
Nileswaram	10	0	5	65	11	6	0	97
Bheemandy	8	0	5	81	9	0	0	103
Pilicode	1	0	0	73	10	5	0	89
Kayyur	5	0	2	52	4	0	0	63
Trikaripur	1	0	1	58	11	7	0	78
Mavungal	5	0	0	104	16	2	0	127
Rajapuram	5	0	3	95	12	1	0	116
Padanna	0	0	1	44	9	0	0	54
Nallompuzha	4	0	2	54	0	2	0	62
Choyamkode	13	0	5	66	8	0	0	92
Balamthode	13	0	2	66	5	0	0	86
Periya Bazar	2	0	0	82	11	2	0	97
Padannakkad	0	0	0	30	12	3	0	45
	67	0	26	1002	164	52	1	1312

TABLE-2.11.3.2 (5)
KANHANGAD DIVISION

Office	Domestic Service Connection		Commercial Service connection		Agricultural Service Connection		Industrial Service Connection		Other Service connection	
	SP	TP	SP	TP	SP	TP	SP	TP	SP	TP
Kanhangad	9211	1040	4941	279	939	102	25	102	487	170
Chittari	12372	1674	3831	137	1540	148	12	86	334	60
Nileswaram	13581	529	3826	154	1297	152	16	161	506	93
Bheemandy	12997	154	2302	124	939	386	88	76	95	26
Pilicode	14522	572	3301	98	1187	84	26	184	1869	143
Kayyur	7782	97	1279	29	988	132	7	47	453	27
Trikaripur	10863	1269	3066	70	886	42	19	133	762	77
Mavungal	17166	504	3047	93	2446	402	16	177	425	37
Rajapuram	12982	198	2139	101	2047	519	12	90	338	50
Padanna	5247	1197	1683	40	741	41	5	67	254	51
Nallompuzha	7855	110	530	87	983	217	15	52	71	9
Choyamkode	8427	96	1376	26	1196	258	12	71	168	12
Balamthode	8068	72	1427	87	732	388	7	47	29	2
Periya Bazar	9199	259	1874	60	2560	554	12	73	173	22
Padannakkad	7263	557	1435	27	1314	110	6	76	462	35
	157535	8328	36057	1412	19795	3535	278	1442	6426	814

TABLE-2.11.3.2 (6)
KANHANGAD DIVISION

Office Name	Total			HT SC	Street Light SC	Total Service Connection
	SP	TP	Total LT SC			
Kanhangad	15603	1693	17296	13	8	17317
Chittari	18089	2105	20194	6	5	20205
Nileswaram	19226	1089	20315	1	16	20332
Bheemandy	16421	766	17187	0	3	17190
Pilicode	20905	1081	21986	2	19	22007
Kayyur	10509	332	10841	3	2	10846
Trikaripur	15596	1091	17187	0	18	17205
Mavungal	23100	1213	24313	7	2	24322
Rajapuram	17518	958	18476	2	5	18483
Padanna	7930	1396	9326	0	2	9328
Nallompuzha	9454	475	9929	0	0	9929
Choyamkode	11179	463	11642	1	2	11645
Balamthode	10263	596	10859	1	1	10861
Periya Bazar	13818	968	14786	6	0	14792
Padannakkad	10480	805	11285	7	0	11292
	220091	15531	235622	49	83	235754

TABLE – 2.11.3.3.

Power transmission network

Description	Nos	Reserve Power Available in MW/MVA
400 Kv Sub-station		
220 kv “	1	
110 kv “	6	
66 kv “		
33 kv “	7	

2.11.3.4. Non conventional Energy:

Renewable energy in india comes under the purview of the Ministry of New and Renewable Energy. It is no longer an alternate energy, it is increasingly becoming a key part of the solution to the nation's energy needs. In view of the growing concern over the global warming, reducing the dependence on fossil based energy and promotion and promotion of green energy in rural areas is gaining importance. As a first of its kind in the state, the Balanthode Dairy co operative Society in the district has implemented a 25 KW solar project.

2.11.3.4.1. Agency for Non-conventional Energy and Rural Technology (ANERT)

It is an autonomous organisation established during 1986 under Societies Act by the Government of Kerala, now functioning under power dept. with its Head Quarters at Thiruvananthapuram.

The objective of the Agency is to gather and disseminate useful knowledge in various fields of Non-Conventional Energy, Energy Conservation and Rural Technology, conduct studies, demonstrate, implement and support implementations of schemes and project in these fields and thereby deal with the problems arising out of the rapid depletion of conventional energy sources, update the technologies used in rural areas as well as introduce appropriate new technologies with an aim to reduce drudgery, increase production and improve quality of life.

Advances in wind and solar power over the years have seen major improvements to **off grid power** technology. In Kasaragod district, ANERT has implemented 345 OFF GRID SOLAR POWER PLANT during the period from 2012 to 2017, along with houses and thus producing 408 KW OFF GRID solar energy. As a Kasaragod district is being using 50000 units of decentralized solar energy per month. In addition to the above ANERT has implemented 92 **fixed Bio** gas plant, 153 portable Bio gas

paInt and 71 Choola during the above period. The local body wise list is as follows, ANERT, Kasaragod has identified 93 small hydro power stations in various panchayat of the district due to the presence of riverbasin.

TABLE-2.11.3.4.2

List of proposed small hydro power station

Sl.No	Name of Site	Riverbasin	Local Body (GP/Mun)	Block Panchayat
1	achan kallu	karingote	balal	kanhangad
2	allan kunji	karingote	balal	kanhangad
3	chimmathode	karingote	balal	kanhangad
4	kadavathumundu	karingote	balal	kanhangad
5	karimattam thottam	karingote	balal	kanhangad
6	kuzhigattu	karingote	balal	kanhangad
7	manju chal	karingote	balal	kanhangad
8	nambiar mala	karingote	balal	kanhangad
9	pala valappu	neeleswaram	balal	kanhangad
10	pulikundu	karingote	balal	kanhangad
11	thiyathi chal	karingote	balal	kanhangad
12	vetiyodi	karingote	balal	kanhangad
13	anganamukoodu	chandragiri	kallar	kanhangad
14	arayar pallam	chandragiri	kallar	kanhangad
15	kudumboor	chandragiri	kallar	kanhangad
16	manatikunnu	chandragiri	kallar	kanhangad
17	neelimala	chandragiri	kallar	kanhangad
18	painikkara	chandragiri	kallar	kanhangad
19	palamkallu	chandragiri	kallar	kanhangad
20	plantharakavu	chandragiri	kallar	kanhangad
21	puthiyakudi	chandragiri	kallar	kanhangad
22	poothanganam	karingote	kodombellur	kanhangad
23	chempam vayal	chandragiri	panathady	kanhangad
24	kammadi	chandragiri	panathady	kanhangad
25	kappithottam	chandragiri	panathady	kanhangad
26	machipalli - balamthodu	chandragiri	panathady	kanhangad

27	mappilaacheri - panathur	chandragiri	panathady	kanhangad
28	nellithode	chandragiri	panathady	kanhangad
29	ottamala	chandragiri	panathady	kanhangad
30	parakkadavu	chandragiri	panathady	kanhangad
31	perathodi	chandragiri	panathady	kanhangad
32	pulimkochi - peruthodi	chandragiri	panathady	kanhangad
33	ranipuram	chandragiri	panathady	kanhangad
34	thannikkal - cherupanathady	chandragiri	panathady	kanhangad
35	thimmanchal	chandragiri	panathady	kanhangad
36	arichipuzha	chandragiri	bedaduka	kasargod
37	chotta manikallu	chandragiri	bedaduka	kasargod
38	jayapuarm	chandragiri	bedaduka	kasargod
39	kaniyam kundu 1	chandragiri	bedaduka	kasargod
40	kaniyam kundu 2	chandragiri	bedaduka	kasargod
41	madanthakkodu	chandragiri	bedaduka	kasargod
42	maruthalam	chandragiri	bedaduka	kasargod
43	nangiyarkundu	chandragiri	bedaduka	kasargod
44	oolayam	chandragiri	bedaduka	kasargod
45	parathode	chandragiri	bedaduka	kasargod
46	pulikodu	chandragiri	bedaduka	kasargod
47	sankaramkadu 1	chandragiri	bedaduka	kasargod
48	sankaramkadu 2	chandragiri	bedaduka	kasargod
49	tumbadka thodu	chandragiri	bedaduka	kasargod
50	annapadi	chandragiri	delampady	kasargod
51	balavanthadka	chandragiri	delampady	kasargod
52	kadumana (kanneriya)	chandragiri	delampady	kasargod
53	kannangolu	chandragiri	delampady	kasargod
54	matta (athanadichira)	chandragiri	delampady	kasargod
55	perdikaya (balavanthadka)	chandragiri	delampady	kasargod
56	samekochi (chamkochi)	chandragiri	delampady	kasargod
57	ambaemoola	shiriya	karadka	kasargod
58	balakka 1	chandragiri	karadka	kasargod

59	balakka 2	chandragiri	karadka	kasargod
60	ballakad (anadipalla)	chandragiri	karadka	kasargod
61	kukkangayi - kolthngiri	chandragiri	karadka	kasargod
62	ittadakadu tod	chandragiri	kuttikol	kasargod
63	kallerimoola	chandragiri	belloor	manjewswaram
64	thottadamoolar	chandragiri	belloor	manjewswaram
65	korathikodi	shiriya	paivalike	manjewswaram
66	kunyathae (kaniyala)	shiriya	paivalike	manjewswaram
67	paivalikae tod	shiriya	paivalike	manjewswaram
68	pavalokodi	shiriya	paivalike	manjewswaram
69	periyappadi	shiriya	paivalike	manjewswaram
70	enichal (mailat moole)	karingote	east eleri	neeleswaram
71	kavumthala	karingote	east eleri	neeleswaram
72	thayyani 1	karingote	east eleri	neeleswaram
73	thayyani ekkal 2	karingote	east eleri	neeleswaram
74	vellakkallu (vichattukadavu)	karingote	east eleri	neeleswaram
75	arurkara (athappa)	karingote	kayyur cheemeni	neeleswaram
76	kadanthakode	karingote	kayyur cheemeni	neeleswaram
77	kakkadavu	karingote	kayyur cheemeni	neeleswaram
78	kallu valappu	karingote	kayyur cheemeni	neeleswaram
79	kundam	karingote	kayyur cheemeni	neeleswaram
80	pattoli	karingote	kayyur cheemeni	neeleswaram
81	thacharnom poil	karingote	kayyur cheemeni	neeleswaram
82	thimiri pulikundu	karingote	kayyur cheemeni	neeleswaram
83	vellarakkad - kanathil	karingote	kayyur cheemeni	neeleswaram
84	karalam	karingote	kinanoor karinthalam	neeleswaram
85	malookayam	karingote	kinanoor karinthalam	neeleswaram
86	ambadi bazar	karingote	west eleri	neeleswaram
87	badur	karingote	west eleri	neeleswaram
88	badur (thalukara)	karingote	west eleri	neeleswaram
89	kappathi	karingote	west eleri	neeleswaram

90	kottamala estate	karingote	west eleri	neeleswaram
91	kodomkallu (onamkolli)	karingote	west eleri	neeleswaram
92	pathpalli cl nagar road	karingote	west eleri	neeleswaram
93	perumbatta	karingote	west eleri	neeleswaram

2.11.3.5.MW Solar Park, Ambalathara

The 200-MW solar park being set up at Ambalathara is a joint venture of the Kerala State electricity Board (KSEB) and the Solar Energy Corporation of India (SECI). The project is being implemented on 300 acres by Indian Renewable Energy Development Agency (IREDA). 33 MW has commissioned so far. Remaining work is under progress. It has proposed works on a 30 MW plant at Paivalige village close to Manjeswaram and another 30 MW plant at Kinanur-Karindalam village, near Neeleshwaram, will be executed by 2019,

TABLE - 2.12.1

MARKETS

Sl. No.	Location	Periodicity (Daily-1; weekly-2; Fortnightly - 3; Monthly-4, yearly- 5)	Whole Sale Market (Yes- 1; No- 0)			Retail Market (Yes- 1; No- 0)		
			Vegetable	Fish	Cattle	Vegetable	Fish	Cattle
1	2	3	4	5	6	7	8	9
1	KOTTACHERRY	1	1	1	0	1	1	0
2	HOSDURG	2	1	1	0	1	1	0
3	ARANGADI	1	0	1	0	0	1	0
4	BEKAL JUNCTION	1	0	0	0	0	1	0
5	PALLIKKARE MADAM	1	0	0	0	0	1	0
6	PALAKUNNU	0	0	0	0	0	1	0
7	PADNE	1	0	0	0	0	1	1
8	Cheruvathur	1	0	0	0	0	1	0
9	Kovval	2	0	0	0	1	0	0
10	Madakkara Harbour	1	0	1	0	0	1	0
11	Market Road, Nileshtar	1	0	0	0	0	1	0
12	KALIKKADAVU	1	0	1	0	0	1	0
13	THRIKARIPUR	1	1	1	0	1	1	0
14	Badiadka	2	1	1				
15	Kundamkuzhy	1	0	0	0	1	0	0
16	Kundamkuzhy	1	0	0	0	0	1	0
17	MELPARAMBA	1	0	0	0	0	1	0
18	CHERKALA	1	0				1	1
19	Perla	2	0	0	0	1	1	0

20	Mulleria	2	0	0	0	1	1	0
21	Kumbbla	1	1	0	0	1	1	0
22	CHOWKI ROAD ,	1	0	1	0	0	1	0
23	UPPALA	1	0	0	0	0	1	0
24	Manjeshwar	1	0	0	0	0	1	0
25	Hosangadi	1	0	0	0	0	1	0
26	BOVIKKANAM	1	0	0	0	0	1	0
27	BOVIKKANAM	2	0	0	0	1	0	0
28	KASARGOD	1	1	1	0	1	1	0

Banking Sector

Lead Bank of District is **SYNDICATE BANK**. The Lead District Office started its function from 10.05.1985

Kasaragod district has a good network of 21 Nationalised Banks with 198 branches, 13 Private sector Banks with 48 branches. In addition, district have 45 District Co Operative Banks, 128 Service Co Operative Banks, 9 KSCARD and one branch of KFC. According to Potential Linked Credit Plan for the year 2017-2018 of NABARD, the thrust areas for development through credit support in the district are animal husbandry including dairy, poultry and sheep/goat rearing, plantation and horticulture, farm mechanization, water resource development, agriculture market infrastructure development and food processing.

**TABLE-
BANKING STATISTICS**

Nationalized Banks at Block/Taluk / District level

SI No	Name of Bank	Urban	Rural	Total
1	Allahabad Bank	1	0	1
2	Andhra Bank	2	0	2
3	Bank of Baroda	2	1	3
4	Bank of India	2	0	2
5	Bank of Maharashtra	1	0	1
6	Canara Bank	13	1	14
7	Central Bank of India	2	0	2
8	Corporation Bank	4	4	8
9	Dena Bank	2	0	2
10	IDBI	2	0	2
11	Indian Bank	2	0	2
12	Indian Overseas Bank	4	1	5
13	Oriental Bank of Commerce	1	0	1

14	Punjab National Bank	3	0	3
15	State Bank of India	32	13	45
15	State Bank of Travancore			
17	Syndicate Bank	17	5	22
18	UCO Bank	1	0	1
19	Union Bank of India	5	0	5
20	Vijaya Bank	13	6	19
21	South Malabar Grameen Bank	37	21	58
Total		146	52	198

**TABLE -
Private Sector Banks**

SI No	Name of Bank	Urban	Rural	Total
1	AXIS Bank	2	0	2
2	Catholic Syrian Bank	2	0	2
3	City Union Bank	0	0	0
4	Dhanalakshmi Bank	2	2	4
5	Federal Bank	9	1	10
6	HDFC	2	0	2
7	KarurVysya Bank	0	0	0
8	Lakshmvilas Bank	0	0	0
9	South Indian Bank	7	7	14
10	ING Vysya Bank	4	1	5
11	Indus Ind Bank	0	0	0
12	ICICI	2	1	3
13	Kotak Mahindra	6	0	6
Total		36	12	48

**TABLE-
Co-operative Sector Banks**

Sl.No.	Bank	No. of Branches
1.	KSCARD	9
2.	District Co-operative Bank	45
3.	Service Co-operative Bank	198
Total		252

TABLE-

District level Banking Statistics (Rs in Crores)

SL No	Description	March 2013	March 2014	March 2015	March 2016	March 2017
1	No. of branches	473	479	485	491	498
2	Deposits	6455	8051	9433	11100	12545
3	Advances	6023	7344	7845	8241	9547
4	P.S. Advances	3471	4370	4871	5594	6856
5	C.D. Ratio	94	91	83	74	74

TABLE-

Credit Flow to MSME & Rural Industries Sector

Scheme	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
MSME	395	799	867	1037	1224

III.INDUSTRIAL SCENARIO - KASARAGOD DISTRICT

Micro, Small and Medium Enterprises (MSME) sector plays a significant role in the economic growth of the country owing to their contribution to production, exports and employment. Besides, the sector offers good opportunities for both self employment and wage employment. Kasaragod is one of the most industrially backward districts in Kerala. Non – availability of skilled labour, poor infrastructure facilities, dependence on other districts/states for raw materials, absence of professional, technical and managerial consultancy services, high input costs, low productivity, absence of motivated entrepreneurs, etc... are some of the reasons for industrial backwardness. However, the scope for setting up MSME units is slowly , but steadily increasing. Tourism sector is poised for a quantum leap with many hotel projects in the pipe line/under construction. With a view to reduce the dependency of labour on farm – sector activities and deploying the available manpower and other resources, development of none farm sector activities are very crucial for sustainable employment opportunities.

There is no Major Industrial cluster in the district. Units that are generally being set are fall under categories like general engineering, building materials, wood/plywood based units, food and agro based units, garment making, beauty parlours, etc.....On an average, about 350 plus units are establishing annually in the district.

TABLE - 3.1
INDUTSRY AT A GLANCE

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	4359 Nos.
2	TOTAL INVESTMENT	63226.04 Lakhs
3	TOTAL EMPLOYMENT	21429 Nos.
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	393 Nos.
5	NO. OF INDUSTRIAL AREA(DA/DP)	03
6	NO.OF MINI INDUSTRIAL AREA – DIC	05
7	NO. OF INDUSTRIAL ESTATE – SIDCO	02
8	NO. OF INDUSTRIAL PARK – KINFRA	01

TABLE - 3.2**Category wise MSMEs**

Particulars	Micro	Small	Medium	Total
Number	4238	117	2	4357
Investment	27107.3	11518.74	4100	42726.04
Employment	19333	1703	143	21179

TABLE – 3.3**Industry wise MSMEs**

Sl. No.	Type of industry	No. of units	Investment (in lakhs)	Employment (in Nos.)
1	Agro & Food based	785	7247.55	3457
2	Soda water/Packaged drinking	66	650.39	425
3	Cotton textile	18	115.05	150
4	Woolen, silk & artificial Thread	2	7.24	12
5	Ready-made garments &	668	996.60	2669
6	Wood/wooden based furniture	237	4713.31	1714
7	Paper & Paper products	189	2798.48	1063
8	Leather based	43	82.91	254
9	Chemical/Chemical based	60	903.56	433
10	Rubber, Plastic & petro based	194	3349.25	1460
11	Mineral based	38	1555.72	688
12	Metal based (Steel Fab.)	151	2276.26	668
13	Engineering units	472	2551.29	1996
14	Electrical machinery and	28	297.78	187
15	Repairing & servicing	278	643.40	758
16	Gem designing	48	1457.84	198
17	Fashion designing	7	5.65	10
18	Others	1048	13032.20	4974
19	Artisan Units	26	41.66	63
	Total	4357	42726	21179

TABLE – 3.4

Year wise growth of MSMEs						
No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	230	257	242	243	264
	Service	86	86	94	95	97
	Total	316	343	336	338	361
Small	Manufacturing	9	8	7	12	11
	Service	2	1	5	1	1
	Total	11	9	12	13	12
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSMEs	Manufacturing					
	Service					
	Total	327	352	348	351	373

TABLE-3.5

Sector wise growth of MSMEs						
Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	37	62	47	57	66
2	Glass & Ceramics	0	0	0	0	2
3	Mechanical/General/Light	59	52	49	50	52
4	It & ITES	13	8	6	8	11
5	IT Hardware	0	1	0	0	0
6	Rubber products	9	3	3	3	2
7	Chemical	3	5	9	3	2
8	Plastics	9	7	11	7	6
9	Paper products	6	11	7	12	11
10	Fruits & food based	0	0	1	5	3
11	Wood products	14	27	22	18	17
12	Printing & Allied	18	12	13	9	9
13	Building material	14	13	8	12	14
14	Rexin/Leather products	3	3	3	4	8
15	Electrical and Electronics	0	2	5	3	3
16	Pharmaceuticals	0	0	0	0	0
17	Ayurvedic Product	2	0	1	7	9
18	Service activities	64	61	67	59	61

19	Miscellaneous	19	26	27	36	37
20	Food & Agro based	55	50	47	49	47
21	Cement products	1	3	7	5	7
22	Wax candles	0	4	13	4	4
23	Handicraft	1	2	2	0	2
Total		327	352	348	351	373

TABLE-3.6

Employment growth of MSMEs– Kasaragod District

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	1032	1308	1115	1053	1142
	Service	303	257	234	249	253
	Total	1335	1565	1349	1302	1395
Small	Manufacturing	166	114	86	139	165
	Service	10	6	22	9	0
	Total	176	120	108	148	165
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSME –	Manufacturing	1198	1422	1201	1192	1307
	Service	313	263	256	258	253
	Total	1511	1685	1457	1450	1560

IV. INDUSTRIAL SCENARIO - KASARAGOD TALUK

4.1 Industry at a Glance

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	1948
2	TOTAL INVESTMENT	27679.85
3	TOTAL EMPLOYMENT	11434
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	393
5	NO. OF INDUSTRIAL AREA(DA/DP)	03
6	NO.OF MINI INDUSTRIAL AREA	02

4.2. Category wise MSMEs

Particulars	Micro	Small	Medium	Total
Number	1852	94	2	1948
Investment	14992.85	8587	4100	27679.85
Employment	9833	1458	143	11434

4.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	275	4108	1523
2	Soda water/Packaged drinking	33	249	178
3	Cotton textile	6	92	93
4	Woolen, silk & artificial Thread	0	0	0
5	Ready-made garments &	298	533	1298
6	Wood/wooden based furniture	132	3209	1207
7	Paper & Paper products	102	2041	660
8	Leather based	21	43	135
9	Chemical/Chemical based	34	611	181
10	Rubber, Plastic & petro based	107	1835	650
11	Mineral based	21	1003	496
12	Metal based (Steel Fab.)	57	2104	363
13	Engineering units	205	1719	1044
14	Electrical machinery and	12	32	91
15	Repairing & servicing	118	249	325
16	Gem designing	25	653	120

17	Fashion designing	0	0	0
18	Others	502	9197	3070
19	Artisan Units	0	0	0
	Total	1948	27678	11434

4.4. Year wise growth of MSMEs

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	111	125	105	110	119
	Service	51	43	61	55	55
	Total	162	168	166	165	174
Small	Manufacturing	8	6	6	10	9
	Service	1	1	5	0	0
	Total	9	7	11	10	9
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSMEs	Manufacturing	119	131	111	120	128
	Service	52	44	66	55	55
	Total	171	175	177	175	183

4.5. Sector wise growth of MSMEs

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	16	22	15	17	23
2	Glass & Ceramics	0	0	0	0	1
3	Mechanical/General/Light	21	29	20	27	25
4	It & ITES	11	3	3	3	6
5	IT Hardware	0	0	0	0	0
6	Rubber products	6	1	0	2	1
7	Chemical	3	5	3	2	2
8	Plastics	7	5	9	4	4
9	Paper products	3	7	2	6	4
10	Fruits & food based	0	0	1	0	2
11	Wood products	7	17	13	12	11
12	Printing & Allied	11	5	8	5	2
13	Building material	10	10	7	7	8

14	Rexin/Leather products	2	2	3	2	4
15	Electrical and Electronics	0	0	1	1	0
16	Pharmaceuticals	0	0	0	0	0
17	Ayurvedic Product	1	0	0	1	0
18	Service activities	30	25	41	31	33
19	Miscellaneous	15	17	21	27	27
20	Food & Agro based	27	24	19	23	24
21	Cement products	1	3	7	5	6
22	Wax candles	0	0	3	0	0
23	Handicraft	0	0	1	0	0
	Total	171	175	177	175	183

4.6. Employment growth of MSMEs

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	571	726	502	499	565
	Service	204	111	159	143	151
	Total	775	837	661	642	716
Small	Manufacturing	156	94	79	128	141
	Service	6	6	22	9	0
	Total	162	100	101	137	141
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSME –	Manufacturing	727	820	581	627	706
	Service	210	117	181	152	151
	Total	937	937	762	779	857

5.INDUSTRIAL SCENARIO – HOSDURG TALUK

5.1. Industry at a Glance – Hosdurg Taluk

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	2409
2	TOTAL INVESTMENT	15046.19
3	TOTAL EMPLOYMENT	9745
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	nil
5	NO. OF INDUSTRIAL AREA(DA/DP)	nil
6	NO.OF MINI INDUSTRIAL AREA	03

5.2. Category wise MSMEs

Particulars	Micro	Small	Medium	Total
Number	2387	23	0	2410
Investment	12114.45	2931.74	0	15046.19
Employment	9516	245	0	9761

5.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	511	3139	1944
2	Soda water/Packaged drinking	33	401	247
3	Cotton textile	12	23	57
4	Woolen, silk & artificial Thread	2	7	12
5	Ready-made garments &	370	464	1376
6	Wood/wooden based furniture	105	1504	506
7	Paper & Paper products	87	757	403
8	Leather based	21	40	119
9	Chemical/Chemical based	26	293	252
10	Rubber, Plastic & petro based	87	1514	810
11	Mineral based	17	551	193
12	Metal based (Steel Fab.)	94	172	306
13	Engineering units	267	832	952
14	Electrical machinery and transport	16	266	96
15	Repairing & servicing	160	394	433
16	Gem designing	23	805	78
17	Fashion designing	7	6	10
18	Others	546	3835	1904
19	Artisan Units	26	42	63
	Total	2410	15046	9761

5.4. Year wise growth of MSMEs.

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	119	132	137	133	145
	Service	35	43	33	40	42
	Total	154	175	170	173	187
Small	Manufacturing	1	2	1	2	2
	Service	1	0	0	0	0
	Total	2	2	1	2	2
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSMEs	Manufacturing					
	Service					
	Total	156	177	171	175	189

5.5. Sector wise growth of MSMEs.

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	21	40	32	40	43
2	Glass & Ceramics	0	0	0	0	1
3	Mechanical/General/Light	38	23	29	23	27
4	It & ITES	2	5	3	5	5
5	IT Hardware	0	1	0	0	0
6	Rubber products	3	2	3	1	0
7	Chemical	0	0	6	1	0
8	Plastics	2	2	2	3	2
9	Paper products	3	4	5	6	7
10	Fruits & food based	0	0	0	5	1
11	Wood products	7	10	9	6	6
12	Printing & Allied	7	7	5	4	7
13	Building material	3	3	1	5	6
14	Rexin/Leather products	1	2	1	3	4
15	Electrical and Electronics	0	1	3	1	2
16	Pharmaceuticals	1	0	1	0	1
17	Ayurvedic Product	6	9	4	12	14
18	Service activities	29	28	23	22	23
19	Miscellaneous	8	13	12	16	13
20	Food & Agro based	23	20	21	18	18
21	Cement products	0	2	0	0	2
22	Wax candles	0	4	10	4	4
23	Handicraft	1	2	1	0	2
	Total	155	177	171	175	189

5.6. Employment growth of MSMEs.

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	461	582	613	554	577
	Service	99	146	75	106	102
	Total	560	728	688	660	679
Small	Manufacturing	10	20	7	11	24
	Service	4	0	0	0	0
	Total	14	20	7	11	24
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSME –	Manufacturing	471	602	620	565	601
	Service	103	146	75	106	102
	Total	574	748	695	671	703

INDUSTRIAL SCENARIO – KASARAGOD BLOCK

6.1. Industry at a Glance

Sl. No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	542
2	TOTAL INVESTMENT	12246
3	TOTAL EMPLOYMENT	3678
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	313
5	NO. OF INDUSTRIAL AREA(DA/DP)	01
6	NO.OF MINI INDUSTRIAL AREA	02

6.2. Category wise MSMEs – Kasaragod Block

Particulars	Micro	Small	Medium	Total
Number	507	33	2	542
Investment	5870	2276	4100	12246
Employment	2980	555	143	3678

6.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	83	815.80	407
2	Soda water/Packaged drinking	19	155.51	99
3	Cotton textile	2	58.86	15
4	Woolen, silk & artificial Thread	0	0.00	0
5	Ready-made garments &	61	96.22	272
6	Wood/wooden based furniture	49	1171.04	350
7	Paper & Paper products	31	516.16	240
8	Leather based	5	10.75	23
9	Chemical/Chemical based	9	353.96	46
10	Rubber, Plastic & petro based	29	633.46	196
11	Mineral based	9	687.27	299
12	Metal based (Steel Fab.)	26	163.70	161
13	Engineering units	59	369.88	343
14	Electrical machinery and transport	1	3.75	10
15	Repairing & servicing	32	102.65	99
16	Gem designing	0	0.00	0
17	Fashion designing	0	0.00	0
18	Others	127	7107.00	1117
19	Artisan Units	0	0.00	0
	Total	542	12246	3678

6.4. Year wise growth of MSMEs

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	40	50	26	38	40
	Service	13	6	17	13	14
	Total	53	56	43	51	54
Small	Manufacturing	2	1	2	3	1
	Service			3		
	Total	2	1	5	3	1
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSMEs	Manufacturing	42	51	28	41	41
	Service	13	6	20	13	14
	Total	55	57	48	54	55

6.5. Sector wise growth of MSMEs

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	4	4	3	4	6
2	Glass & Ceramics	0	0	0	0	0
3	Mechanical/General/Light	14	11	8	11	11
4	It & ITES	2	0	0	1	2
5	IT Hardware	0	0	0	0	0
6	Rubber products	3	1	0	1	0
7	Chemical	1	2	0	1	1
8	Plastics	2	3	1	2	3
9	Paper products	0	5	1	3	1
10	Fruits & food based	0	0	1	0	0
11	Wood products	1	8	4	5	4
12	Printing & Allied	2	2	0	1	1
13	Building material	2	3	2	3	2
14	Rexin/Leather products	0	1	0	1	1
15	Electrical and Electronics	0	0	0	1	0
16	Pharmaceuticals	0	0	0	0	0
17	Ayurvedic Product	0	0	0	1	0
18	Service activities	12	6	20	9	12
19	Miscellaneous	0	1	0	3	2
20	Food & Agro based	12	10	6	7	9
21	Cement products	0	0	0	0	0
22	Wax candles	0	0	2	0	0
23	Handicraft	0	0	0	0	0
	Total	55	57	48	54	55

6.6. Employment growth of MSMEs – Kasaragod Block

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	180	270	98	145	190
	Service	48	10	43	45	52
	Total	228	280	141	190	242
Small	Manufacturing	18	11	53	31	5
	Service			12	9	
	Total	18	11	65	40	5
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSME –	Manufacturing	198	281	151	176	195
	Service	48	10	55	54	52
	Total	246	291	206	230	247

INDUSTRIAL SCENARIO – KASARAGOD MUNICIPALITY

7.1. Industry at a Glance

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	473
2	TOTAL INVESTMENT	5221.85
3	TOTAL EMPLOYMENT	2613
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	0
5	NO. OF INDUSTRIAL AREA(DA/DP)	-
6	NO.OF MINI INDUSTRIAL AREA	-

7.2. Category wise MSMEs

Particulars	Micro	Small	Medium	Total
Number	454	19	0	473
Investment	3605.85	1616	0	5221.85
Employment	2439	174	0	2613

7.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	37	173.41	156
2	Soda water/Packaged drinking	2	3.5	12
3	Cotton textile	1	28	53
4	Woolen, silk & artificial Thread	0	0	0
5	Ready-made garments &	90	129.43	403
6	Wood/wooden based furniture	11	97.25	47
7	Paper & Paper products	47	1352.81	313
8	Leather based	3	8.6	32
9	Chemical/Chemical based	9	24.9	37
10	Rubber, Plastic & petro based	33	366.46	164
11	Mineral based	1	1	2
12	Metal based (Steel Fab.)	10	797	73
13	Engineering units	27	875.9	149
14	Electrical machinery and transport	4	15.5	18
15	Repairing & servicing	34	74.85	101
16	Gem designing	19	636.7	109
17	Fashion designing	0	0	0
18	Others	145	635.54	944
19	Artisan Units	0	0	0
	Total	473	5221	2613

7.4. Year wise growth of MSMEs

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	22	13	19	18	21
	Service	19	17	21	21	19
	Total	41	30	40	39	40
Small	Manufacturing	1	1	2	2	1
	Service	1	1	2	0	0
	Total	2	2	4	2	1
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSMEs	Manufacturing	23	14	21	20	22
	Service	20	18	23	21	19
	Total	43	32	44	41	41

7.5. Sector wise growth of MSMEs

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-
1	Textile & Garments	7	5		2	3
2	Glass & Ceramics	0	0			1
3	Mechanical/General/Light	1	3	3	4	3
4	It & ITES	7	2	1	1	2
5	IT Hardware	0	0			
6	Rubber products	0	0			
7	Chemical	0	0			
8	Plastics	0	2	4	1	1
9	Paper products	1	0	1	1	2
10	Fruits & food based	0	0			1
11	Wood products	1	0	1	2	1
12	Printing & Allied	8	2	7	3	1
13	Building material	0	0			
14	Rexin/Leather products	0	0			1
15	Electrical and Electronics	0	0			
16	Pharmaceuticals	0	0			
17	Ayurvedic Product	0	0			
18	Service activities	0	0			
19	Miscellaneous	15	15	21	21	19
20	Food & Agro based	2	1	1	2	2
21	Cement products	1	2	5	4	4
22	Wax candles	0	0			
23	Handicraft	0	0			
	Total	43	32	44	41	41

7.6. Employment growth of MSMEs

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	95	80	80	82	85
	Service	101	43	45	47	49
	Total	196	123	125	129	134
Small	Manufacturing	25	8	12	48	12
	Service	6	6	10	0	0
	Total	31	14	22	48	12
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSME –	Manufacturing	120	88	92	130	97
	Service	107	49	55	47	49
	Total	227	137	147	177	146

VIII

INDUSTRIAL SCENARIO – MANJESWARAM BLOCK

8.1. Industry at a Glance.

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	480
2	TOTAL INVESTMENT	7840
3	TOTAL EMPLOYMENT	3184
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	774
5	NO. OF INDUSTRIAL AREA(DA/DP)	02
6	NO.OF MINI INDUSTRIAL AREA	nil

8.2. Category wise MSMEs.

Particulars	Micro	Small	Medium	Total
Number	441	39	0	480
Investment	3267	4573	0	7840
Employment	2514	670	0	3184

8.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	75	2299.17	513
2	Soda water/Packaged drinking	11	85.26	59
3	Cotton textile	3	5	25
4	Woolen, silk & artificial Thread	0	0	0
5	Ready-made garments &	47	163.34	220
6	Wood/wooden based furniture	48	1853.52	715
7	Paper & Paper products	11	54.71	39
8	Leather based	4	5	18
9	Chemical/Chemical based	10	216.61	75
10	Rubber, Plastic & petro based	27	578.66	230
11	Mineral based	7	64.38	44
12	Metal based (Steel Fab.)	8	1099.38	82
13	Engineering units	80	361.6	408
14	Electrical machinery and transport	5	12	57
15	Repairing & servicing	26	46.37	70
16	Gem designing	6	16.55	11
17	Fashion designing	0	0	0
18	Others	112	978.01	618
19	Artisan Units	0	0	0
	Total	480	7840	3184

8.4. Year wise growth of MSMEs.

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	23	31	30	29	29
	Service	9	5	16	8	10
	Total	32	36	46	37	39
Small	Manufacturing	5	4	2	5	7
	Service					
	Total	5	4	2	5	7
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSMEs	Manufacturing	28	35	32	34	36
	Service	9	5	16	8	10
	Total	37	40	48	42	46

8.5. Sector wise growth of MSMEs.

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	4	4	3	3	4
2	Glass & Ceramics	0				
3	Mechanical/General/Light	4	7	6	9	6
4	It & ITES	2	1	1	1	2
5	IT Hardware	0	0	0	0	0
6	Rubber products	0	0	0	0	0
7	Chemical	1	2	1	1	0
8	Plastics	4	0	3	1	0
9	Paper products	0	2	0	1	0
10	Fruits & food based	0	0	0	0	1
11	Wood products	2	6	6	3	4
12	Printing & Allied	0	0	0	0	0
13	Building material	7	6	3	2	4
14	Rexin/Leather products	0	0	2	1	1
15	Electrical and Electronics	0	0	0	0	0
16	Pharmaceuticals	0	0	0	0	0
17	Ayurvedic Product	1	0	0	0	0
18	Service activities	7	4	15	9	12
19	Miscellaneous	0	0	0	3	4
20	Food & Agro based	5	7	8	7	7
21	Cement products	0	1	0	1	1
22	Wax candles	0	0	0	0	0
23	Handicraft	0	0	0	0	0
	Total	37	40	48	42	46

8.6. Employment growth of MSMEs.

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	173	209	188	178	160
	Service	25	11	55	17	18
	Total	198	220	243	195	178
Small	Manufacturing	113	75	14	49	124
	Service					
	Total	113	75	14	49	124
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSME –	Manufacturing	286	284	202	227	284
	Service	25	11	55	17	18
	Total	311	295	257	244	302

IX

INDUSTRIAL SCENARIO - KARADUKKA BLOCK

9.1. Industry at a Glance

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	453
2	TOTAL INVESTMENT	2372
3	TOTAL EMPLOYMENT	1959
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	nil
5	NO. OF INDUSTRIAL AREA(DA/DP)	nil
6	NO.OF MINI INDUSTRIAL AREA	nil

9.2. Category wise MSMEs

Particulars	Micro	Small	Medium	Total
Number	450	3	0	453
Investment	2250	122	0	2372
Employment	1925	34	0	1959

9.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	80	820.11	438
2	Soda water/Packaged drinking	1	5	8
3	Cotton textile	0	0	0
4	Woolen, silk & artificial Thread	0	0	0
5	Ready-made garments &	100	143.72	412
6	Wood/wooden based furniture	24	87.08	95
7	Paper & Paper products	13	117.74	68
8	Leather based	9	18.58	61
9	Chemical/Chemical based	7	15.49	22
10	Rubber, Plastic & petro based	18	256.55	60
11	Mineral based	4	250	150
12	Metal based (Steel Fab.)	13	44.3	47
13	Engineering units	40	111.51	144
14	Electrical machinery and transport	1	0.5	7
15	Repairing & servicing	25	25.14	55
16	Gem designing	0	0	0
17	Fashion designing	0	0	0
18	Others	118	476.33	391
19	Artisan Units	0	0	0
	Total	453	2372	1959

9.4. Year wise growth of MSMEs

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	26	31	30	25	29
	Service	10	15	7	13	12
	Total	36	46	37	38	41
Small	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSMEs	Manufacturing	26	31	30	25	29
	Service	10	15	7	13	12
	Total	36	46	37	38	41

9.5. Sector wise growth of MSMEs

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	1	9	9	8	10
2	Glass & Ceramics					
3	Mechanical/General/Light	2	8	3	3	5
4	IT & ITES			1		
5	IT Hardware					
6	Rubber products	3			1	1
7	Chemical	1	1	2	0	1
8	Plastics	1		1		
9	Paper products	2	0	0	1	1
10	Fruits & food based					
11	Wood products	3	3	2	2	2
12	Printing & Allied	1	1	1	1	
13	Building material	1	1	2	2	2
14	Rexin/Leather products	2	1	1	0	1
15	Electrical and Electronics			1		
16	Pharmaceuticals					
17	Ayurvedic Product					
18	Service activities	11	15	6	13	9
19	Miscellaneous		1			2
20	Food & Agro based	8	6	4	7	6
21	Cement products			2		1
22	Wax candles			1		0
23	Handicraft			1		
	Total	36	46	37	38	41

9.6. Employment growth of MSMEs

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	123	167	136	94	130
	Service	30	47	16	34	32
	Total	153	214	152	128	162
Small	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSME –	Manufacturing	123	167	136	94	130
	Service	30	47	16	34	32
	Total	153	214	152	128	162

INDUSTRIAL SCENARIO – KANHANGAD BLOCK

10.1. Industry at a Glance

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	462
2	TOTAL INVESTMENT	2758.74
3	TOTAL EMPLOYMENT	2185
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	nil
5	NO. OF INDUSTRIAL AREA(DA/DP)	nil
6	NO.OF MINI INDUSTRIAL AREA	nil

10.2. Category wise MSMEs

Particulars	Micro	Small	Medium	Total
Number	456	6	0	462
Investment	2243	515.74	0	2758.74
Employment	2140	45	0	2185

10.3. Details of existing Micro & Small Enterprises and Artisan units

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	75	323.44	294
2	Soda water/Packaged drinking	9	128.31	51
3	Cotton textile	0	0	0
4	Woolen, silk & artificial Thread	2	7.24	12
5	Ready-made garments &	67	77.84	238
6	Wood/wooden based furniture	21	207.1	95
7	Paper & Paper products	14	67.08	75
8	Leather based	4	3	30
9	Chemical/Chemical based	4	68	85
10	Rubber, Plastic & petro based	10	900	450
11	Mineral based	7	267.91	41
12	Metal based (Steel Fab.)	17	16.15	47
13	Engineering units	63	143.47	233
14	Electrical machinery and transport	0	0	0
15	Repairing & servicing	52	70.69	150
16	Gem designing	15	88.83	49
17	Fashion designing	2	0	0
18	Others	93	375.87	305
19	Artisan Units	7	14.43	30
	Total	462	2759	2185

10.4. Year wise growth of MSMEs

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	35	32	37	38	44
	Service	11	11	11	14	14
	Total	46	43	48	52	58
Small	Manufacturing	0	1	1	2	1
	Service	1	0	0	0	0
	Total	1	1	1	2	1
Medium	Manufacturing	0				
	Service	0				
	Total	0	0	0	0	0
MSMEs	Manufacturing					
	Service					
	Total	47	44	49	54	59

10.5. Sector wise growth of MSMEs

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	8	12	11	16	18
2	Glass & Ceramics	0				1
3	Mechanical/General/Light	11	8	14	7	11
4	It & ITES		1			
5	IT Hardware		1			
6	Rubber products					
7	Chemical			1	1	
8	Plastics	1	1		1	
9	Paper products	2	3		2	1
10	Fruits & food based				2	1
11	Wood products	1	1	5	1	1
12	Printing & Allied		1	1		1
13	Building material	2			2	3
14	Rexin/Leather products				1	1
15	Electrical and Electronics					
16	Pharmaceuticals					
17	Ayurvedic Product				4	5
18	Service activities	12	7	7	9	8
19	Miscellaneous	2	3	1	2	2
20	Food & Agro based	7	5	7	6	5
21	Cement products					
22	Wax candles			1		
23	Handicraft	1	1	1		1
	Total	47	44	49	54	59

10.6. Employment growth of MSMEs

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	128	122	162	138	145
	Service	28	24	11	37	28
	Total	156	146	173	175	173
Small	Manufacturing	0	17	7	11	9
	Service	4	0	0	0	0
	Total	4	17	7	11	9
Medium	Manufacturing	0	0	0	0	0
	Service	0	0	0	0	0
	Total	0	0	0	0	0
MSME –	Manufacturing	128	139	169	149	154
	Service	32	24	11	37	28
	Total	160	163	180	186	182

INDUSTRIAL SCENARIO – KANHANGAD MUNICIPALITY

11.1. Industry at a Glance

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	395
2	TOTAL INVESTMENT	3966.45
3	TOTAL EMPLOYMENT	1536
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	nil
5	NO. OF INDUSTRIAL AREA(DA/DP)	nil
6	NO.OF MINI INDUSTRIAL AREA	nil

11.2. Category wise MSMEs

Particulars	Micro	Small	Medium	Total
Number	389	6	0	395
Investment	2755.45	1211	0	3966.45
Employment	1455	81	0	1536

11.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	45	191.4	144
2	Soda water/Packaged drinking	2	9.35	4
3	Cotton textile	0	0	0
4	Woolen, silk & artificial Thread	0	0	0
5	Ready-made garments &	77	88.54	268
6	Wood/wooden based furniture	16	273.7	91
7	Paper & Paper products	17	170.29	89
8	Leather based	5	6	12
9	Chemical/Chemical based	5	120.47	45
10	Rubber, Plastic & petro based	16	107.25	74
11	Mineral based	0	0	0
12	Metal based (Steel Fab.)	11	20.3	41
13	Engineering units	29	105.81	93
14	Electrical machinery and transport	2	1.35	6
15	Repairing & servicing	46	124.21	125
16	Gem designing	5	711.3	20
17	Fashion designing	5	5.65	10
18	Others	107	2008.99	502
19	Artisan Units	7	21.65	12
	Total	395	3966	1536

11.4. Year wise growth of MSMEs

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	22	27	31	30	32
	Service	7	15	6	8	9
	Total	29	42	37	38	41
Small	Manufacturing	1				
	Service	0				
	Total	1	0	0	0	0
Medium	Manufacturing	0				
	Service	0				
	Total	0	0	0	0	0
MSMEs	Manufacturing					
	Service					
	Total	30	42	37	38	41

11.5. Sector wise growth of MSMEs

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	8	7	8	8	8
2	Glass & Ceramics					
3	Mechanical/General/Light	5	2	3	4	5
4	It & ITES	3	2	2	2	3
5	IT Hardware					
6	Rubber products					
7	Chemical					
8	Plastics		2	1	1	
9	Paper products	1	2	1	2	1
10	Fruits & food based			1		
11	Wood products	2	1	2	1	2
12	Printing & Allied	3	3	2	2	3
13	Building material	1		1	1	1
14	Rexin/Leather products				1	
15	Electrical and Electronics	1	2		1	1
16	Pharmaceuticals					
17	Ayurvedic Product			2	3	
18	Service activities	12	4	5	5	12
19	Miscellaneous	3	3	4	3	3
20	Food & Agro based	2	6	5	6	2
21	Cement products					
22	Wax candles		3	1	1	
23	Handicraft	1				1
	Total	42	37	38	41	42

11.6. Employment growth of MSMEs

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	94	120	128	121	125
	Service	29	81	20	22	21
	Total	123	201	148	143	146
Small	Manufacturing	10				
	Service					
	Total	10	0	0	0	0
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSME –	Manufacturing	104	120	128	121	125
	Service	29	81	20	22	21
	Total	133	201	148	143	146

INDUSTRIAL SCENARIO – NILESWARAM BLOCK

12.1. Industry at a Glance

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	611
2	TOTAL INVESTMENT	3453
3	TOTAL EMPLOYMENT	2280
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	nil
5	NO. OF INDUSTRIAL AREA(DA/DP)	nil
6	NO.OF MINI INDUSTRIAL AREA	03

12.2. Category wise MSMEs

Particulars	Micro	Small	Medium	Total
Number	605	6	0	611
Investment	2793	660	0	3453
Employment	2220	60	0	2280

12.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	141	986.56	512
2	Soda water/Packaged drinking	0	0.00	0
3	Cotton textile	3	1.34	11
4	Woolen, silk & artificial Thread	0	0.00	0
5	Ready-made garments &	98	132.65	396
6	Wood/wooden based furniture	32	631.27	123
7	Paper & Paper products	25	207.94	85
8	Leather based	3	8.96	12
9	Chemical/Chemical based	9	90.38	93
10	Rubber, Plastic & petro based	19	224.51	131
11	Mineral based	1	40.33	12
12	Metal based (Steel Fab.)	48	121.18	167
13	Engineering units	74	203.51	253
14	Electrical machinery and transport	5	214.93	35
15	Repairing & servicing	15	124.66	30
16	Gem designing	0	0.00	0
17	Fashion designing	0	0.00	0
18	Others	131	460.84	411
19	Artisan Units	6	3.59	8
	Total	611	3453	2280

12.4. Year wise growth of MSMEs.

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	32	32	30	29	30
	Service	7	9	5	8	7
	Total	39	41	35	37	37
Small	Manufacturing			1		1
	Service					
	Total	0	0	1	0	1
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSMEs	Manufacturing					
	Service					
	Total	39	41	36	37	38

12.5. Sector wise growth of MSMEs.

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	4	9	8	8	9
2	Glass & Ceramics					
3	Mechanical/General/Light	15	4	6	5	5
4	It & ITES	1	1	1	2	1
5	IT Hardware					1
6	Rubber products		1			
7	Chemical			4		
8	Plastics				1	
9	Paper products	1		1	2	1
10	Fruits & food based					
11	Wood products	4	5	1	2	2
12	Printing & Allied	1	2	1	1	2
13	Building material					
14	Rexin/Leather products					1
15	Electrical and Electronics		1	1	1	1
16	Pharmaceuticals					
17	Ayurvedic Product	1		1		1
18	Service activities	6	9	4	6	6
19	Miscellaneous	1	1	1	1	2
20	Food & Agro based	5	6	7	8	5
21	Cement products					
22	Wax candles		2			1
23	Handicraft					
	Total	39	41	36	37	38

12.6. Employment growth of MSMEs.

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	122	149	158	147	150
	Service	11	25	13	18	19
	Total	133	174	171	165	169
Small	Manufacturing			8		12
	Service					
	Total	0	0	8	0	12
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSME –	Manufacturing	122	149	166	147	162
	Service	11	25	13	18	19

XIII

INDUSTRIAL SCENARIO – NILESWARAM MUNICIPALITY

13.1. Industry at a Glance – Nileswar Municipality

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	253
2	TOTAL INVESTMENT	1387
3	TOTAL EMPLOYMENT	983
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	nil
5	NO. OF INDUSTRIAL AREA(DA/DP)	nil
6	NO.OF MINI INDUSTRIAL AREA	nil

13.2. Category wise MSMEs -Nileswar Municipality

Particulars	Micro	Small	Medium	Total
Number	251	2	0	253
Investment	1238	149	0	1387
Employment	973	10	0	983

13.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	42	538.53	198
2	Soda water/Packaged drinking	1	12.82	9
3	Cotton textile	0	0.00	0
4	Woolen, silk & artificial Thread	0	0.00	0
5	Ready-made garments &	33	45.50	148
6	Wood/wooden based furniture	14	141.95	87
7	Paper & Paper products	10	59.13	37
8	Leather based	0	0.00	0
9	Chemical/Chemical based	1	0.38	4
10	Rubber, Plastic & petro based	9	66.40	38
11	Mineral based	4	169.68	94
12	Metal based (Steel Fab.)	5	5.45	13
13	Engineering units	27	132.00	96
14	Electrical machinery and transport	1	2.56	6
15	Repairing & servicing	28	18.20	74
16	Gem designing	1	3.20	1
17	Fashion designing	0	0.00	0
18	Others	72	189.35	169
19	Artisan Units	3	1.54	8
	Total	252	1387	983

13.4. Year wise growth of MSMEs.

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	5	10	13	9	10
	Service	3	2	6	4	5
	Total	8	12	19	13	15
Small	Manufacturing					
	Service					
	Total	0	0	0	0	0
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSMEs	Manufacturing					
	Service					
	Total	8	12	19	13	15

13.5. Sector wise growth of MSMEs.

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments		3	3	3	2
2	Glass & Ceramics					
3	Mechanical/General/Light	2	2	1	2	2
4	It & ITES	1			1	1
5	IT Hardware					
6	Rubber products			2		
7	Chemical					
8	Plastics	1				
9	Paper products					1
10	Fruits & food based				1	
11	Wood products			1		1
12	Printing & Allied			1		1
13	Building material					
14	Rexin/Leather products					
15	Electrical and Electronics			1		
16	Pharmaceuticals					
17	Ayurvedic Product					
18	Service activities	2	2	6	3	4
19	Miscellaneous		1	1	1	1
20	Food & Agro based	2	4	3	2	2
21	Cement products					
22	Wax candles					
23	Handicraft					
	Total	8	12	19	13	15

13.6. Employment growth of MSMEs

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	17	48	67	45	47
	Service	10	5	18	13	16
	Total	27	53	85	58	63
Small	Manufacturing					
	Service					
	Total	0	0	0	0	0
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSME –	Manufacturing	17	48	67	45	47
	Service	10	5	18	13	16
	Total	27	53	85	58	63

XIV

INDUSTRIAL SCENARIO – PARAPPA BLOCK

14.1. Industry at a Glance

Sl.No.	Particulars	Value
1	REGISTERED INDUSTRIAL UNITS	689
2	TOTAL INVESTMENT	3481
3	TOTAL EMPLOYMENT	2777
4	EMPLOYMENT IN LARGE AND MEDIUM INDUSTRIES	nil
5	NO. OF INDUSTRIAL AREA(DA/DP)	nil
6	NO.OF MINI INDUSTRIAL AREA	nil

14.2. Category wise MSMEs

Particulars	Micro	Small	Medium	Total
Number	686	3	0	689
Investment	3085	396	0	3481
Employment	2728	49	0	2777

14.3. Details of existing Micro & Small Enterprises and Artisan units.

Sl. No.	Type of industry	No. of units	Investment	Employment
1	Agro & Food based	208	1099.13	785
2	Soda water/Packaged drinking	20	250.65	183
3	Cotton textile	9	21.85	46
4	Woolen, silk & artificial Thread	0	0.00	0
5	Ready-made garments &	94	119.36	337
6	Wood/wooden based furniture	22	250.40	110
7	Paper & Paper products	20	252.61	117
8	Leather based	9	22.02	65
9	Chemical/Chemical based	6	13.37	25
10	Rubber, Plastic & petro based	33	215.96	116
11	Mineral based	5	73.15	46
12	Metal based (Steel Fab.)	13	8.81	38
13	Engineering units	74	247.61	277
14	Electrical machinery and transport	8	47.19	49
15	Repairing & servicing	19	56.63	54
16	Gem designing	2	1.26	8
17	Fashion designing	0	0.00	0
18	Others	143	800.27	517
19	Artisan Units	3	0.46	5
	Total	689	3481	2777

14.4. Year wise growth of MSMEs.

No of units		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	25	31	26	27	29
	Service	7	6	5	6	7
	Total	32	37	31	33	36
Small	Manufacturing		1			1
	Service					
	Total	0	1	0	0	1
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSMEs	Manufacturing					
	Service					
	Total	32	38	31	33	37

14.5. Sector wise growth of MSMEs

Sl.No.	Name of Sector	2012-13	2013-14	2014-15	2015-16	2016-17
1	Textile & Garments	4	8	3	5	6
2	Glass & Ceramics					
3	Mechanical/General/Light	5	4	6	6	5
4	It & ITES					1
5	IT Hardware					
6	Rubber products	3	1	1	1	1
7	Chemical			1		
8	Plastics		1			1
9	Paper products			2	1	2
10	Fruits & food based				1	
11	Wood products		2	1	1	1
12	Printing & Allied	3	1		1	1
13	Building material	1	2	1	2	2
14	Rexin/Leather products		1		1	1
15	Electrical and Electronics				1	1
16	Pharmaceuticals					
17	Ayurvedic Product					
18	Service activities	7	6	5	4	4
19	Miscellaneous		1		1	2
20	Food & Agro based	9	9	5	5	5
21	Cement products					1
22	Wax candles		2	6	3	2
23	Handicraft					1
	Total	32	38	31	33	37

14.6. Employment growth of MSMEs

No. of Employment		2012-13	2013-14	2014-15	2015-16	2016-17
Micro	Manufacturing	100	143	98	103	110
	Service	21	11	13	16	18
	Total	121	154	111	119	128
Small	Manufacturing		3			15
	Service					
	Total	0	3	0	0	15
Medium	Manufacturing					
	Service					
	Total	0	0	0	0	0
MSME –	Manufacturing	100	146	98	103	125
	Service	21	11	13	16	18
	Total	121	157	111	119	143

PSUs/ prominent/major Industries

1. KASARAGOD BLOCK

Name and address of the entrepreneur	Name and address of the unit	Products / services	Investment(in Rs lakhs)	Employment	Export details
BHEL electrical Machines LTD, bedradka,ksd,04994232 316,ino@heleml.com	BHEL Electrical Machines Ltd(PSU)	Alternator, inductionmotor, diesel generator	10500	170	To nepal
Padmanabhan , sriniketan,Mogral puthur,9447479490,dur occooindia@yahoo.com	VijayaPlastics,Mogral Puthur,Kasaragod	Plastic containers	75	10	none
P M Muneer, Kamar, Badradka,9633879295	P K M Plastic Products, kamabar,badradka, Mogral	Plastic preforms	79	10	none
Sreelatha Satheesh,seethangoli, 9946941753,manasaec obags@gmail.com	Manasa Eco Bags, Kinfra Small Industries Park,Seethangoli	Non woven bags	50	7	none
Manoj V M, 9844416743,ganaga119 7@gmail.com	Ganaga Rubber Products, Kinfra Small Industries Park, Seethangoi	Rubber beedings	89	11	none
Mahesh Kumar P V ,NHPaicompound,railw ay station road, kumbala,9995505176	MTECH Engineering Works,Badiadkaroad, kumbala	General engineering	8	2	none
Gopalan,kodavanchi, muliyar,9447362156	Anjeneya Engineering works,Santhoshnagar, cherkala	General engineering	5	4	None

P A Abdul Rasheed, nellikkatta,9446282529	Agro Marine Industries,Nellikkatta, Nekraje	Organic manure	6	6	None
Shantha, Shantharhouse, neercchal p o, 9495766151	Bhuvana bio plates, neercchal p o,kasarago	Palm plate	9	7	none
Mohamme d C A,new masjid road, choori, kasaragod,9895777377, mohdbmbc@hotmail.c om	Blue Marine Bottling Company,RDNagar, Madhur	Aerated drinks	90	35	none
Basheer OU, Deli, Kalanad,9544748218,g maxfootwear@gmail.co m	G-MAX Footwear, deli,Kalanad, Kasaragod	Ladies Shoes	64	22	none

2. KASARAGOD MUNICIPALITY

Name and address of the entrepreneur	Name and address of the unit	Products /services	Investment(in Rs lakhs)	Employment
Aboobaker sidique, naimarmoola, kasragod, 9895441111	Naimarmoola, kasragod	steel products	750	40
Vijayan variath, pixel digital press, sri devi complex, nh 17, near new bus stand, kasargod, mob:9544099378	Pixel digital press, sri devi complex, nh 17, near new bus stand, kasargod, mob:9544099378	printing	270	20
Hussain.y.m,baitul ummah manzil edirthode, ednad post, chengala, pady village, kasaragod 671541,9809802112	Baitul ummah manzil edirthode, ednad post, chengala, pady village, kasaragod 671541	Gold ornaments	100	0
K a mujeeb, s/o.k.m.ahmed(late), ,haritham, t.v.station road, anangoor, kasargod-671123, mob:9447704477	S/o.k.m.ahmed(late),,haritham, t.v.station road, anangoor, kasargod-671123, mob:9447704477	Printing	100	8
A haneefa,s/o.hajee baduvan kunhi, ,aramana,, anangoor, kasargod, 9447030274	S/o.hajee baduvan kunhi, ,aramana, anangoor, kasargod	Gold ornaments	50	10
Sunil kumar , seceratary, kasaragod printing & multi industrial co-operative society ltd no. S.ind(s)63, bank road, kasaragod.p.o. pin-671123 ph:04994221000,9961678666	Kasaragod printing & multi industrial co-operative society ltd no. S.ind(s)63, bank road, kasaragod.p.o. Pin-671123 ph:04994221000	Binding & printing	40	23
P.a.mohammed arif managing. Partner,s/o.p.h.abdulla, madeena compound, vidyanagar(po), kasaragod ,671123(pin), mob:9446339553	S/o.p.h.abdulla, madeena compound, vidyanagar(po), kasaragod ,671123(pin), mob:9446339553	Plastic	40	5
Fathimath raziya.m.a.,w/o. Yoosuf, aloor house, mangad	W/o. Yoosuf, aloor house, mangad p.o., udma	Printing	29	5

p.o., udma,9594668825				
Rajeshwari k, w/o sashidaran .a, karthika kootappunna, mayilatty p.o, uduma 9656413009	W/o sashidaran a, karthika, kootappunna, mayilatty p.o, uduma 9656413009	Printing and publishing	26	2
davood c.k, Ck house, chembarika, p.o chandragiri, kasaragod,9388388888	C.k house, chembarika, p.o chandragiri, kasaragod	Wedding card	25	6

3. MANJESWARAM BLOCK

Name and address of the entrepreneur	Name and address of the unit	Products /services	Investment(in Rs lakhs)	Employment
Hindustan Aeronotice Ltd,Manjeswaram	Hindustan Aeronotice Ltd,Manjeswaram	Electronics product	1000	80
Sooraj khanderi, s/o. Sachidananda khanderi, bhandara mane, kattukukke post, kasaragod,	Yogy food products, Bandaramane,kattukukke .p.o	Bakery product	46	15
K.m.firoz khan,Anandapuram d.p., kumbla	Walayar steels pvt ltd, Industrial d.p ananthapuram kumbla kasaragod	Metal product-steel rod	705	17
Abdul muneer, Padav, kunjathur	Mak plywood industries pvt.ltd, Padav, near thalapady kunjathr (po) manjeshwar	Wood product	481	70
Saji c mg director, 7/556 woodside sri nagar marutharode, palakkad, kerala,mob:9746379606	Pionnier rooftile india pvt ltd,plot no 85,86 kinfra small industries park seethamgoli, kasaragod, kerala	Cement product	350	20
Simon john,snow cap (p) ltdkunjathur po manjeshwarm p 1 125b	Snowcap,thuminad manjeshwar	Ice cream	415	42

Safwan.m.m,sukoon, pandiyal compound, manjeshwar,kasargod district, kerala	Global associates,pandiyal compound, kadambar, manjeshwar	tender coconut water	178	11
Abdul azeez,s/o hassan kunhi haji, bangara anjeshwar,post manjeshwar kasaragod dist	Yashmeen ice and cold storage,thalapady, manjeshwar	Ice blocks	152	6
Vysakh shaji,thundathil, desom alwaye, ernakulam-683103	Saroja extractions,plot no:a-84, kinfra park, seethangoli	Coconut oil	111.5	9
V.m.farook,al man, hosangadi, manjeshwar, kasaragod-671323, mob:9447691990	Farook boards,near st.mary,s convent school, vorkady(po), manjeshwar	Block board & ply wood	86	27
Praveen kumar a,challathungal house, pandi(p.o), mulleria(via), kasaragod(dist),pin-671543	Poornachandra pipes, Plot no: 89, kinfra, maipady .p.o.seethangoli, kasaragod.	Manufacturing of pvc pipes	98	6
B.vikkaram pai, reghunatha kripa, anilkumble road, kumbly, kasaragod, mob:9447077707	Konkan industries,dp, ananthapuram;kasaragod	Coconut oil&oil cake	105	18
Haris aboobacker,vorkady metal industry, vorkady(po), manjeshwar, kasaragod-671323, mob:9447362021	Vorkady metal industry, vorkady(po), manjeshwar, kasaragod-671323,	Stone crushing	100	6
Leo jose,attupurath house, padatadukka, kundikana po 9746721180	Devadaru agro land ventures pvt ltd, dp ananthapuram	Granite metals	81	3
Kakunje balakrishna bhat,Siri, 7th cross, bejai new road, mangalore, kasaragod, 575004	Kakunje plastipacks private ltd., Opp.g.p.m.college, manjeshwar-671323	Packing materials	88	18
Ibrahim kaleel,s/o.ahamed shafi, hayath manzil, chala, vidyanagar, kasaragod-671123	Red fort fire works, d.p.ananthapuram	Fire works	135	20
Ibrahim. P,s/o fareed kunhi haji, pavor house, pavor. P. O, manjeshwar, kasaragod 9447469832	Vishwas concrete pipe , Manjeshwar, kasaragod-671323 Industries,	Concrete products	88	8

Balakrishna,kunjathurpadavu, manjeshwar	Deeksha wood industries,kunjathurpadavu kunjathur manjeshwar	Wood product	72	40
C i salih,s/o ibrahim haji, chala house, vidyanagar post, kasaragod 8281436656	B tree industries,d p ananthapuram	Bio mass fuel briquettes	112	18
Sabah anapadikkal,malabar ispat ltd, battipadavu, kadamabar p.o, manjeshwar, kasaragod	Malabar ispat ltd,battipadavu,kadambar p.o, manjeshwar, kasaragod		95	15
Roshan lal agarwal, mars plywood industries pvt. Ltd, kunjathur po., thalapady, kasaragod dt.	Mars plywood industries pvt.ltd.Kunjathur po., thalapady, kasaragod dt. Kerala	Wood	60	36
Addulla kulukkampara, Sun ferromelt pvt ltd, battipadavu, manajeshwar, kasaragod-671323	Sun ferromelt private limited,battipadavu,kadamb ar p.o, manjeshwar	Metal product – steel rod	81	35
M ahammed,daryl hana falnir hathawar mangalore	M a plywoods, battipadavu meenja	Wood	80	22
Abdul razak,s/o abdul rahiman, kandalkodi house,vorkady	Quality biofuel briquetts, vorkady. P.o, nallangipadavu kasaragod.	Manure	56	14
V.m.farook,farook timber traders & saw mill, near railway gate, hosangady, manjeshwar	Farook timber traders and saw mill,near railway gate, hosangady, manjeshwar	Wood	50	9
Ahammed mansoor b m, Mubarak manzil posot manjeshwaram	B m doors, Bakery junction vorkady	Wood	52	5
Abbas ali,kaikamba,perla	Thahira wood industries, amekkala,perla	Wood	52	40
Mohammed,bekur	Madani wood industries, 8/137, bekur,mangalpady	Wood product	47	4
Vijaya kumar.s,karakkattu, uppala, manjeshwar	Hot mix plant rajdeep build con pvt ltd,paivalike karakkattu uppala,	Building material	37	6

K.a.ibrahim, kunjathur, manjeshwar	Azad wood industries, Kunjathur, manjeshwar	Wood	47	13
Shahija k m,bell ply&boards, development plot, ananthapuram	Bell ply and boards, dp ananthapuram	Wood	39	32
Retty thomas,w/o shaji.t.p, trupthi nilaya, kudal, kudal merkala(po), 671321(pin), mob:9846288739	Arul energy drinks,adkastala, enmakaje	Soft drinks	26	11
Riyaz.u, opp.railway station, manjeshwar	Badariya wood industries,opp.railway station manjeshwar, kasaragod	Wood product	38	10
S.vijayakumar,paivalike, karakattu	Rajdeep buildcon pvt Ltd.,paivalike karakkattu, uppala, manjeshwar, kasaragod	Building material	34	4
Antony raphel,puthukkad thrissur	Kayyar aggregates pvt Ltd,parambala uppala, kayyar (po) kasaragod	Crusher product	55	10
Ashok sundardas agicha, Near thalappady, kunjathur	Alps veneer,near thalapady kunjathur kasaragod	Wood	40	15
Khader, k.g.n ice factory, thalapady manjeshwaram	K .g.n ice factory, thalapady,manjeshwaram	Ice product	44	8
Hasheer k v,hasheer k v,s/o.ujas near ksebmanna po valapattanam	Moreflex mattress india pvt Ltd,dp ananthapuram, kasaragod	Mat	127	15
Subhash rajani balan, Ramakripa, lavil(po), kannur.9747405222	Kvr automall pvt ltd, mallankai, mangalpady	Service station	25	14
Abdul rahiman musthaq, S/o. K.m. Monu, al-madeena manzil, badaje village, hosangadi, manjeshwar, mob:9349749544	Sahara bricks and interlocks, khaja nagar, near govindapai college road, badaje village, manjeshwar	Building material	54	23

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4. KARADKA BLOCK BLOCK

Name and address of the entrepreneur	Name and address of the unit	Products /services	Investment (in Rs lakhs)	Employment
Harikrishna kp, peradanji h, kottoor po, 9446990395	Skanda coir products, panoor,kottoor po	Coir yarn, fibre	30	11
Muralikrishna bhat, peradanjih, kottoor po, 9447240278	Skanda plastics, po kottoor	Plastic containers ,jars	40	5
A radhika rao, padmavathy h, mulleria, 9539906069	Arr ice creams , mulleria	Icecreams	35	5
Anandan vr, choorikkod h, kolathur po	Associated wood industries, barotty, kolathur po, 9447693390	Wood products	28	12
Mamatha jose padikkakudy h, panjarike po, kumbadaje, 9497436348	St jude herbal products, panjarike ,kumbadaje po	Plant growth stimulator	15	5
Secretary, bedadka apparel park, 9946548766	Bedadka apparel park, kundamkuzhy, bedadka	Under garments	34	21

5. KANHANGAD BLOCK

Name and address of the entrepreneur with phone no and email id	Name and address of the unit	Products manufactured/services rendered	Investment(in Rs lakhs)	Employment
Vittal cashew industries	Kottappara, pullur p.o. Anandasram via	Cashew kernels	162	300
Girijajwellers	Near bus stand kanhangad.	Gold ornaments	200	16
B.santhosh kumar, petroliv petroleums (angels group),	M/s petroliv petroleums, sy no. 676/87 g, erikkulam	Petroleum product	128	8

erikkulam(po),madikkai, Nileshwar, 9995000704	(p.o), madikkai, Nileshwar, kasaragod-671 314			
Ummer kutty haji.p.k, mailatty, udma, kasaragod, 447322628	M/s benzer ply and boards, mailatty, udma, kasaragod	Wood product	124	21
V.n. Kesavan, managing director, mrcmpu ltd., (milma), head office, peringolam, kunnamangalam p.o., kozhikode ,,9495115666	M/s mrcmpu ltd. Milma kasaragod dairy, mrcmpu ltd.(milma),kasaragod dairy,anandashram p.o.,kanhangad,	Milk product	377.5	70
M.ahamed shareef, kuniya, periya (po),9447286641	Malabar veneers pvt ltd, kuniya periya (po) kasaragod	Plywood and vineer sheet.	61	9
Krishnan.t.e, koottappunna, bangalam,9443102935	Sree vishnu fish net, koottapunna, bangalam, Nileshwar, kasaragod	Fish net	36	7

6. KANHANGAD MUNICIPALITY

Name and address of the entrepreneur with phone no and email id	Name and address of the unit	Products manufactured/services rendered	Investment(in Rs lakhs)	Employment
Ajith kumar, norba,vellikoth , ajanur po,9605050597	Bites bakes and cakes, city centre complex, kanhangad	Bakery product	98	11
Zameer ch,arai battood post kanhangad kasaragod-671315 9567241322	Designz, besto centre, behind bus stand, khangad p.o	Flex printing	49	5
Jayakumar menon, S/o.madhava menon, ,kshemam, devan road, kanhangad, kasargod-671315, mob:9446517797	Supernova electro chemicals, kallyan road junction,	Lead acid storage batteries	45.61	8
Sharge mp, yamparambath house, poongod, kamballur(po), kasargod-	Rainx,Kanhangad	Laser printing	39	9

670511 ,9656207689,				
Shaege a, S/o.moideenkutty.a.p, ayamparambath house, kamballur(po), 670511(pin), mob:9656207689	Imax, rahmath shopping complex,Near petrol pump, kottachery, kanhangad(po)	Cloth printing	22	6
Lilly sevichan, kodiamkunnel house achikanam p.o. Anandashram (via) kasaragod 671531, 9447470531	Mudrana graphics, dilshad building behind bus stand kanhangad	Printing material	20	4
Rafeeq p,fauna manzil kushal nagar, 9249898724	Marine ice plant, meenaapees, kanhangad beach	Ice plant	25	8
Abdul rafeeq haji p.v,gardervalappu, kanhangad, 9567018886	P.v.r.oil and flour mill, behind orphanage, gardervalappu kanhangad kasaragod	Flour product	33	2
Kj varkey,karimpanakal house,plachikara po, 9744032549	Good wood industries, aingothe padanakkad	Wood product	25	7
Noushad pattilath,sulaiman manzil,kothikkal,kolavayal(po), kasargod(dist),9847891199	I card advertising flex and vinyl printing, bengachery complex,main road,kanhangad	Flex printing	18	7

7. Nileswaram block

Name and address of the entrepreneur with phone no and email id	Name and address of the unit	Products manufactured/services rendered	Investment (in Rs lakhs)	Employment
Arif.m.t.p, Vannalom, kodakkad, 9645000047	Casa d interiors Vannalom kodakkad (po) trikaripur (via) kasaragod	Manufacture of wooden industrial goods	275	15
Ravi kulangara, Sun energy solar solution, kayyur road junction, cheruvathur.p.o. Kasaragod dist, pin - 671313. Kasargod- 671310, 9495183268	Sun energy solar solutions, Podavoor (cheemeni), podavoor. p.o., kasaragod dist, pin - 671313.	Solar panel	210	16
Jithu jose,, Kanjamala house, meenpatty, karuvanchal(po), kannur-670571, 9447146399	Cheruvathur oil industries, Near rto checkpost, cheruvathur po	Copra processing	79	3
Anooplal.k, , ashirvad,, maniyat(po), kasargod, mob:8891151944	Black maria entertainment,	Flex printing	46	4
Zainul abid.p, Poonthuruthi house, kodalipoyil, bhodanam, chungathara, malappuram, 9526667733	Ec food products, Maniyat, Poochol, trikaripur	Manufacture of papads appalam and similar food products	25	12
Farookh, Farookh, c/o hakkim.t.t.k.m house, machipuram, cheruvathur, 9562624545	Yahoo steels, Shed no 0&6 mie trikaripur, elambachi.p.o	Manufacture of metal goods for office use, other than metal furniture	25	10
Manojkumar.p, Nr. Dinesh	Touch advertising,	Flex printing	15	

bhavan rly. Road cheruvathur, 8129188882	Opp.canara bank, cheruvathur			
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8. NILESWARAM MUNICIPALITY

Name and address of the entrepreneur with phone no and email id	Name and address of the unit	Products manufactured/s ervices rendered	Investmen t(in Rs lakhs)	Employment
K.kaulath,w/o adv.kunhabdulla jafeena manzil , azhithala(p.o), thaikadappuram-671314 9744700022	Global foods and bevarages,mie nileshwar,	Fruit juice	115	6
Prabhakaran T,Thottiyil House, Ozhinhalappu.P.O. Nileswar., Phone:9961333158	Supra areca palm plates,thottumpuram, nileshwar	Palm plates	34	4
Muraleedharan KV, Souparnika, Orcha, kottappuram.P.O, Nileshtar, 9944667627	Akshaya garments, kottappuram road,kottappuram	Readymade garments	20	13
Days Vv, Anakkarante metre, karayil,Thuruthi.P.O,9567251817	Colour arts, Star complex,Bus stand cheruvathur,		22	7
Dinesh C, 18/300, Kanichira, Nileshtar, 9744223194	Agrima food products, 18/300, Kanichira, Nileshtar	sugar cane/ sugar beet/palm juice products	15	6
Gana n,d/o. Gangadharan, chayyoth post, nileshtar,9656107740	Efficient agri products, mini industrial estate nileshwar,	Food powder	15	7

9. PARAPPA BLOCK

Name and address of the entrepreneur with phone no and email id	Name and address of the unit	Products /services rendered	Investment(in Rs lakhs)	Employment
Abdul salam, Koodole, karinthalam, kinanoor, 9895269214	Saadiya poultry farm and processing company,Navodaya nagar koodole, karinthalam birikulam (po)		274	15
Hareesh p k managing partner, S/o.t.achu, thekkekunnil house, pallikkare(po), kasargod, mob:9400346666,9747373444	Big bun bakery, Thattummam, attenganam(po)	Bakery products	24	3
Pushpalatha. P.k.,W/o.t. Narayanan, thiruvathira, ariyalam, p.o. Attenganam., 9847655899	Fizz up bottling company,Thattummam	Aerated water	23	20

CHAPTER - 6

SWOT Analysis

Strength :

1. Economy of the district continues to be mainly dependent on agriculture. Out of district's total geographical area of 1.99 lakhs ha, Net Sown Area is 1.48 lakhs ha and gross cropped area is 1.53 lakhs ha, with a cropping intensity of 103%. Paddy, banana/plantain and vegetables are the major food crops in the district. Major crops in the district are plantation crops, dominated by coconut followed by rubber, arecanut, cashew and pepper.
2. A good network of about 41 Krishi Bhavans and presence of R & D Centers like State Seed Farms at Pullur and Kasaragod, RARS at Pilicode, Agricultural College at Padanakkad to enhance the agriculture resource of the district. Parasite breeding Station is functioning at State Seed Farm.
3. The district has an office of the Rubber Board and plantation Corporation of Kerala is having large cashew plantations in the district
4. KVK operated by CPCRI provides training programmes on scientific cultivation of plantation crops including pest and disease control measures. The CPCRI – KVK also has a modern soil, water and plant testing laboratory.
5. Vegetables and Fruits Promotion Council Kerala with district office at Kanhangad will also help to boost the agriculture resources of the district.
6. Presence of Financial Literacy and Credit Counselling Centres (FLCCs) and Financial Literacy Centre (FLCs) in all the Six blocks. Five FLCs are supported by Commercial Banks, one FLC in Manjeswaram Block is jointly supported by NABARD and KGB
7. There is availability of good network of pump set dealers and after sales service in the district. Companies rendering service for design and installation of micro irrigation systems are operating in the district.
8. Central Plantation Crops Research Institute (CPCRI) established under Indian Council of Agricultural Research is headquartered in the district. It is a premier research institution engaged in development of appropriate production and processing technologies for coconut, arecanut and cocoa. CPCRI is also involved in transfer of technologies to farmers through Krishi Vigyan Kendra by organizing training programmes, workshops and setting up demonstration plots, etc.... Presence of this Institute has a remarkable role in the overall development of agricultural production of the district.
9. The Coconut Development Board (CDB) implements various schemes like production of high yielding quality planting materials, setting up of nurseries and nuclear seed garden, removal of disease affected palms, setting up demonstration plots, vermicomposting, etc... with subsidy support.
10. District has coconut cluster programmes , which are being implemented by CDB, Agriculture Department, CPCRI and District Panchayat.
11. Rubber Board has a regional office at Kanhangad to promote rubber plantations. It provides inputs through the rubber producers as also other extension services. Rubber Board also provides subsidy for rubber farmers for bee keeping activities through group mode.
12. Kasargod district has been declared as an Organic District. So cow dung is widely used as manure

for agriculture purpose.

13. Mission for Integrated Development of Horticulture (MIDH) has been launched to give focused attention to the horticulture development in the country.The Key strategy is to adopt an end to end holistic approach covering pre production,production,post harvest management,processing and marketing to assure appropriate returns to growers/producers.At District level, District Mission Committee (DMC) has the responsibility to carry forward the objective of the mission for project formulation,implementation and monitoring.

14. As per the 19th Livestock Census-2012, the number of cross bred cows and indigenous cows in the district stood at 45866 and 26526 respectively

15. There are 133 registered functioning dairy societies in the district.

16. The district has 41 veterinary hospitals/dispenseries, 62 veterinary sub centres/ A.I units and one Disease Diagnostic Centre.Milma is having 14 A.I centres in select 14 societies

17. There are 2 cattle feed mixing unit in the district

18. Animal husbandry Department ha started a Cattle Farm at Bela for conservation of Kasaragod dwarf cattle.

19. District has two pig breeder units at Ambalathara and Pilicode farm, which supply piglets to the farmers.

20. Kudunbashree Mission has implemented goat village programmes in the district.Goat rearing activity has been promoted as a livelihood activity in watershed areas.

21. There are 5 major fish landing centres and a few mini landing centres.In addition to a departmental ice factory with a production capacity of 10 tonnes, presently run by Matsyafed, there are 15 ice factories in private sector.

22. The Fish Farmers Development Agency (FFDA) provide training, technical support and subsidy assistance for fresh water fish farming.Pilicode and Trikaripur are the two inland fisheries village in the district.

23. Presence of Kerala State Coastal Area Development Corporation Ltd (KSCADC) in doing developmental activities of coastal areas

24. There are four godowns of State warehousing Corporation located at Kasaragod (2050 Mt), Kanhangad (3750 MT), Padannakad (2000 MT) and Neeleswaram (1500 MT) with a total capacity of 9300 MT

25. Two market yards set up under Malabar Market Committees have been leased to State Co Operative Marketing Federation and CAMPCO.

26. There are 20 rural markets in defferent panchayats

27. The District which offers good scope for on farm drying of farm produce (especially arecanut,coconut,...).At present, this is mostly being done in a crude manner.

28. District is a plantation district and continuous land development works in arecanut, rubber and other plantation is essential for higher productivity.

29. Food and agro processing is an emerging economic activity in the district and has a good potential in view of its present production of many plantation and horticulture crops besides being the leader in dairy industry. Agro processing and food processing play a key role in value addition, income and employment generation particularly in rural sector. The right post harvest practices such as good processing techniques and proper packaging, transportation and storage play a significant role in reducing spoilage and extending shelf life. Important sub sectors in food processing industries in the district are Bakery product, grain product,.... Fruits and vegetable processing units, Fish processing, Milk processing are less in no.
30. Large quantity of Jack fruits and mango are wasted. There is good scope for value addition of these fruits thus providing employment opportunities in village. The important crops in the district which offer scope for setting up processing units are banana and other plantains, cashew, coconut, pepper, jack fruit, mango, tamarind and papaya
31. Presence of institutions like CPCRI, RARS, agricultural College, KVK, etc... can help farmers in adopting modern technologies in the agro processing sector
32. Availability of land at competitive rate, availability of agri – horti produce, fish, etc.. for value addition/setting up processing units, strong NRK base, great tourist potential, nearness to Managalore port (air and sea), better road and rail network are conducive factors to set up units in the district.
33. According to Mining and Geology Dept., there are considerable deposits of bauxite, china clay, lignite, etc in the district. As such there is potential to set up industries based on these raw materials need to be set up.
34. Bellikoth Institute for rural entrepreneurship Development (BIREED), supported by Andhra Bank and functioning at Kanhangad, is equipping many youths to become entrepreneurs by conducting EDPs.
35. There is presence of approved manufactures of solar lighting and water heating systems in the district.
36. Micro finance programme has made tremendous socio economic impact on empowerment of the marginalized. The launching of National Rural livelihood Mission (NRLM) has put women at the epicenter of the development chain. Kudumbashree mission, which is the nodal agency for NRLM in the state has nearly 11300 NHGs under its fold in the district. Besides there are SHGs formed by other NGOs / agencies
37. The district is having a full-fledged dairy plant at Kanhangad which is capable of pasteurizing and packing 50,000 litre of milk per day.
38. Food Crops are grown in 25 percent of the district's total cropped area, which is high, compared with the state figure of 20 percent. The productivity of the crops is also in accordance with the state averages.
39. Spices are grown in the highlands of the district. Pepper and betel nut are produced in the district in fairly large quantities. About 12,000 tonnes of raw cashew is produced every year in the district. Tapioca production is over 21,000 tonnes in a year.
40. The district produces considerable quantities of horticultural products like jack fruit, mango and plantains. Annual production is around 8,000 tonnes. Rubber is produced in the high lands of the district and annual production is around 31,000 tonnes.

41. The district has got an extensive coast line, where both traditional and mechanised crafts are engaged in fishing. The marine fish landings of the district are now being processed by plants outside the state or in other southern districts of Kerala. The district also has a minor port.
42. The district has good reserve forests and trees are being grown in private lands also. Timber is perhaps one of most utilised resource of the district, but there are still large quantities to be tapped both from private and government lands. Also the extensive rubber plantations of the district are another potential source for timber.
43. The naturally occurring hard laterite, found extensively in the district, concentrated in Hosdurg Taluk, is a good building material.
44. The density of population of the district is much lower than the state average. Hence stretches of vacant land are available more than anywhere else in the state for industrialisation.
45. Proximity to Mangalore, the fast developing metropolis in the south west of Karnataka State is an added advantage. The infrastructural facilities available in Mangalore are perhaps comparable to the best cities of the country. Mangalore also has a modern port, ship building yard and an airport.
46. There are a good number of natives of Kasaragod working abroad, especially in Gulf countries. Kasaragod gets large NRI deposits every year which is available for investment.

Weakness:

1. In order to equip dairy farmers of the district in modern trends and management practices in dairy sector, it is necessary to set up of a Dairy Training Institute in the district. At present nearest such institute is present at Kozhikode district.
2. District has no modern slaughter houses to ensure availability of good quality meat.
3. District has no Cattle breeding unit.
4. Milk societies in the district are not modernized with automatic milk collection facilities, modern milk testing equipment, small milk chilling plants, quality control facilities like water bath, oven, etc...
5. District has no major hatchery unit, which is one of the major constraints to the development of the poultry population.
6. District has no goat breed improvement programme and so farmers are not getting good quality of bucks of exotic breed for improving the stock.
7. Non availability of licensed hygiene slaughter house is one of the constraints facing the sector. Out of 70 slaughter houses, only 9 are authorised, 37 are unauthorised and 24 are temporary.
8. District has no agency like Agency for Development of Aquaculture in Kerala (ADAK), based at Kozhikode, which provide support for the development of aqua culture.
9. District has no major processing facilities or cold storages. The catch is taken out to places outside the district.
10. Absence of modern fish marketing infrastructure along with cold chain linkage
11. Absence of fisheries training centre with infrastructure for training in value addition, making innovative products, pearl culture, ornamental fish culture

12. District has better scope for inland fish farming in ponds/water bodies.
13. District has better scope for setting up of new species hatcheries for supply of fingerlinks as well as for the requirement of mussel farmers
14. The rural based informal processing units are devoid of appropriate technology, processing standards, benefits of volume, standard packaging and market access, whereas such unit is generally endowed with raw material availability, but severely constrained in forward linkage, mainly marketing.
15. District has issue of power shortage
16. There are 11 Grama panchayat in the district which are treated as endosulfan affected areas. They are Badiadka, Enmakaje, Muliya, Karaduka, Bellur, Kayyur Cheemeni, Ajanur, Pullur Periya, Panathur, Kallar and Kumbdaje Grama Panchayats.
17. The productivity of most of the crops, except coconut and arecanut, is low in the district when compared to the State average. Various factors such as decline in soil fertility, lack of irrigation facilities, pest and disease incidence, low level of adoption of improved farming practices, lack of effective transfer of technology programmes etc. are attributed to the low productivity of crops.
18. The district has more than 56,000 hectares of coconut cultivation with an annual production of 418 million nuts. Coconut offers a multitude of opportunities for product diversification. But there are not many coconut based enterprises of diversified products in the district. There is only one large scale factory for the production of desiccated coconut
19. Lack of availability of sufficient quantity of organic manure is a major problem experienced by farmers resulting in low soil fertility
20. Crop loss due to pest and disease incidence is a major problem experienced by farmers of the district. Since the district has been declared organic it is important that farmers are provided with bio control agents for plant protection to avoid the crop loss.
21. In Kasaragod district no fish/shell hatcheries are functioning. Ornamental fish production centres are also not functioning in the district.
22. Production of quality seed is a prime requirement for developing aquaculture and culture based fisheries. At present no fish/ shrimp seed hatcheries are functioning in Kasaragod district
23. The lack of entrepreneurship. f Inadequate credit flow from financial institutions. f Lack of proper marketing support. Lack of Entrepreneurship Development Programme and Technology Training. f Lack of skilled workers. f Lack of proper skilled training institutes. f Improper resource utilisation. f Shortage of power, water. f Poor infrastructural facilities

24.

Oppertunities:

1. Efforts are being made to promote organic farming in the district based on the 'Sikkim Model'. Kasaragod has gone fully organic. An organic certification Agency viz; International Competence Centre for Organic Agriculture (ICCOA) has initiated steps to boost organic farming so that 'Safe Food' brand could be built up over a period of time. ICCOA has identified about 650 pepper farmers in a 500 ha cluster in panathady Grama panchayat to promote the organic farming

practices. Bio fertilizer and Vermi compost manufacturing units have enough potentiality in the district.

2. Has better scope for farm machinery as well as agriculture implement manufacturing units to promote farm mechanization due to predominance of plantation crops, topographical condition and land holding pattern.
3. Schemes sanctioned under RIDF for irrigation, Watershed Development projects sanctioned under PM's package, rural bridges and rural roads have provided necessary infrastructure support to the Agriculture sector.
4. Presence of NABARD supported Farmer's Club and involvement of KVK and Krishi Bhavans with the SHGs of farmers and Kudumbashree units and JLGs and Village Watershed Committees are expected to provide a boost to agriculture resources of the district.
5. A paracite breeding station is functioning at State Seed farm
6. As per policy initiatives of GoI, farm ponds, dug wells in rainfed areas and compost pits for production of organic manure are going to be getting momentum to increase agriculture production. In addition to the above, model retail outlets of Fertilizer companies are going to be provided with soil and seed testing facilities during the next three to increase the agriculture productivity.
7. As per policy initiatives of GoI, 'Stand up India Scheme' to facilitate atleast two projects per bank branch to promote Entrepreneurship in the country.
8. The district can benefit from the policy initiative of GoI's setting up of 1500 skill training Institute, National Board for Skill Development certification and Entrepreneurship Education and training through Massive Open Online courses announced to fulfill the shortage of skilled workers to a certain extent.
9. District has good potential for farm mechanization due to predominance of plantation crops, topographical conditions and land holding pattern. Farm mechanization has a major role in increasing production, productivity, better utilization of irrigation facilities, adoption of multiple cropping pattern, minimizing the unit cost of production and reducing drudgery in agricultural operations.
10. Jackfruit is a sweet, delicious and exotic fruit that is packed with many nutrients and benefits. Jackfruit is known as the jack of all fruits. It is a rich source of vitamin, minerals, phytonutrients, carbohydrate, electrolytes, fiber, fat and protein. This fruit also contains calorie but no cholesterol or saturated fats. Consume jackfruit for the best taste, nutrition and its many health benefits. KVK in collaboration with Kudumbashree, DIC and NGOs may take initiatives in popularizing value addition in fruit crops like Jack Fruit.
11. Considering the extent of cultivable wastelands (), fallow lands (), there is good scope for developing green cover through cultivation of economically important species like Teak, Mahogany, Bamboo, etc....
12. Centrally sponsored schemes such as National afforestation programme through Forest Development agency (NAP – FDA), Conservation and Management of mangroves, Development of Tree borne Oil seeds programme (NOVOD), Green India Scheme, National Bamboo Mission, National Mission on Bamboo Application (NMBA), National Bio Fuel Policy aim at covering more area under green vegetation to increase agriculture produce of the district.

13. Social Forestry programme in non – forest waste lands by Forest Department and involvement of Kudumbashree groups in supply of saplings and greening in afforestation and reforestation measures
14. Farmers should take up api – culture in addition to agro forestry for supplementary income.
15. District has lot of scope for value addition of milk in the district.
16. Poultry feed mixing plants has good scope.
17. District has scope for Modern abattoir with facilities for processing of animal wastes and its management
18. Society for Assistance to Fisher Women (SAF) under fisheries Dept. provides assistance to Fisher women to set up Micro Enterprises
19. People in Kasaragod district have witnessed the ill effects of pesticides like endosulfan. Though the district been declared as an ‘Organic District’, there has not been commensurate efforts in supplying bio fertilizers and bio pesticides matching with the demand to farmers. As such, there is potential in establishing such input units in the district.
20. ANERT, Agriculture Department, etc.. provide necessary technical support to the farmers in the district in setting up solar units, bio gas plants, etc...
21. The farmers are slowly turning to organic farming and reducing their dependence on chemical fertilizers and bio gas plants could become a rich source for producing organic manure in the form of slurry in addition to energy provided for lighting , cooking, etc..
22. The rubber wash which is considered as a pollutant is reportedly being converted into bio gas particularly in hilly tracts, where regular supply of cooking gas is difficult.
23. Remote areas in the district still face the problem of uninterrupted power supply and hence there is scope for installation of domestic solar lighting system and heating system.
24. There is good scope for developing Valiyaparambha backwaters, ranipuram, Kottenchery, Thonikkadavu and Veeramalakunnu as prime tourist destinations among many other areas in the district such as posadigumpe hills, riverside park, beach development, etc...
25. There is better scope for an inland navigation system initially linking Valiyaparambha – Neeleswaram-Cheruvathur – Kasaragod and thereafter up to Kannur from Kasaragod could be developed to reduce pressure on road transport and develop alternative and cheap mode of transport, Sultan canal can be developed as it connects Kasaragod district to valapattanam river. This will also serve as water ways.
26. Jack and mango are mainly raised in homesteads but enterprises for preparation of value added products using these fruits are lacking in the district, though there is a vast potential for the same.
27. The Agro Processing Complex established at KVK with the funding of Kasaragod District Panchayat still remains to be effectively utilised by LSGs.
28. Kerala is endowed with rich mineral resources, illmenite and beach sand minerals. There are huge iron ore deposits in Kozhikode and Kasaragod districts which forms part of Western Ghats. These offer the state huge opportunities for production of value added products from the rich mineral resources in the state for various end uses

29. There are no amusement parks in the district and people go to Mangalore or Kannur for any entertainment of amusement parks. Hence efforts should be taken to set up amusement parks, rope ways and house boats in Kasaragod district

Threat

1. Problem of water shortage adversely affects the potentiality of this district. As per study conducted jointly by Central Ground Water Boards and State Ground Water Department, ground water exploitation is very high in the District.
2. Out of six blocks, two are in safe category and three are in semi critical category. Kasaragod block has been placed under 'Critical' category due to excessive exploitation of ground water.
3. High cost of poultry feeds adversely affecting the poultry sector.
4. Poultry farmers taking up small units are facing problems in insuring the birds as insurance companies are not interested to insure small poultry units.
5. As reported by the Soil Conservation Department, nearly 80 % of the geographical area of the district falls under midland and hilly area with steep slopes, making the area prone to erosion hazards.
6. Heavy rainfall poses threat to the fertile top soil
7. Increase in density of population has resulted in people migrating to the hilly areas resulting in drastic changes in the land use pattern,
8. About three-fourth of the total geographical area of Kasaragod district is under sloppy area with 10-35 percent slope. Hence soil erosion is a severe problem in these areas. Besides slope, other factors such as undulating topography, high rainfall, deforestation, unscientific cultivation practices etc. also contribute to the degradation of soil.
9. During summer months the coastal areas of the district like Mangalady, Manjeshwar, Kumbala, Mogral Puthur, Chemnad, Uduma, Ajanur panchayats and Nileshwar, Kanhangad and Kasaragod Municipalities are prone to sea water intrusion resulting in crop loss
10. Kasaragod district often suffers due to frequent droughts though the district receives 350 cm of annual rainfall. A major share of rainfall is received during the brief period from June to August through the South West monsoon. North East monsoon is very weak in the district, which provides only 11 percent of the total rainfall. The long dry spell adversely affects the agricultural production in the district