



Government of India
Ministry of MSME

Brief Industrial Profile of Ernakulam District

2018-19

Carried out by

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FOREWARD


MSME-DI, Thrissur, as part of its activities has prepared the District Industrial Profile of Ernakulam District during 2018 – 19. The objective of preparing the Industrial Profile of Ernakulam District is to make the information readily available in respect of general characteristics of the district, administrative set up, industrial scenario, potential for new MSMEs, details of existing clusters and general issues raised by industry associations etc. to the existing as well as prospective entrepreneurs.

It is expected that this Industrial Profile will be useful for Governmental and Non-Governmental organizations, Promotional & Developmental Agencies engaged in promotion & Development of MSME sector in Ernakulam District and also for academicians / research scholars.

I take this opportunity to express my gratitude to District Industries Centre, Ernakulam, officials of State Planning Board, Economic and Statistics Department, Kerala, Department of Mines and Geology and heads of other departments for extending their co-operation in preparing this industrial Profile.

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(M PALANIVEL)
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Map of Ernakulam District



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Brief Industrial Profile of Ernakulam District

1. General Characteristics of the District

Ernakulam District includes the largest metropolitan region of the State Greater Cochin. Ernakulam District is the highest revenue yielding district in the state and is called and known as the commercial capital of Kerala. It is the third most populous district in Kerala, after Malappuram and Thiruvananthapuram. Ernakulam district also hosts the highest number of international and domestic tourists in Kerala state. It is surrounded by Thrissur District to the north, Idukki District to the east, Alappuzha and Kottayam districts to the south and Arabian sea to west. Its headquarters is located at Kakkanad, a suburb of Kochi city.

1.1 Location & Geographical Area

The Ernakulam district is located between latitudes 9° 42'N and 10° 18'N and longitudes 76° 12'E and 76° 36'E. The borders of the district are the Arabian Sea in the West, Thrissur District in the North, Idukki District in the East and Alappuzha and Kottayam District in the South. Ernakulam district covers an area of 305826 hectare located on the Western Coastal Plains of India. The Periyar River, Kerala's second longest, flows through all the taluks except Muvattupuzha. The Muvattupuzha River and a branch of Chalakkudy River also flow through the district. The district has a moderate climate, and mostly falls within the Malabar Coast moist forests eco region, while the highlands are part of the South Western Ghats moist deciduous forests eco region. Cochin international air port is located in northern part of the district at Nedumbasheri village in Angamaly. Owing to the international airport, water ways, railways, and road ways, Ernakulam is one of the most connected districts in the state.

1.2 Topography

The district is divided into three well-defined parts – lowland, midland and the highland consisting of seaboard, plains and the hills and forests respectively. 20 percent of the total area is low land region. The midland consists mainly of plain land and group of islands having natural facilities of drainage via backwaters and canals. The hilly or eastern

portion is formed by a section of Western Ghats. Muvattupuzha and Kothamangalm can be called the highlands. Muvattupuzha and Periyar are the main rivers of which the latter flows through Thodupuzha, Muvattupuzha, Aluva, Kunnathunadu and Parur taluks. During rainy season these rivers are full and heavy floods affect the low-lying areas on the banks, but in the summer season they generally go dry and narrow. The Periyar is stretched over a length of 229 km.

1.3 Availability of Minerals

The district is not endowed with rich mineral resources. The graphite, the lime shell and brick clay are few important minerals found in this district. Rich lime shell deposits are found in the Vembanad lake and in the portion of Periyar River between Gothuruthu and Thrurthippurant. Likewise Graphite deposits are spread in Peringala, Nirampuzha, Aroli, Vadakode and Nagapuzha.

Table 1: Production of Minerals 2018-19

Sl No.	Name of Mineral	Production in tones
1	Granite Building Stone	6493465
3	Latrite Building Stone	232476
4	Brick Clay	184043
5	Ordinary Sand	67535
6	Ordinary Earth	1330471
7	Graphite	889

Source: Department of Mining and Geology

1.4 Forest

In the district, the forest areas fall in Kothamangalm, Munnar, Malayattoor and Idukki Wild Life Forest Divisions. Kothamangala, Munnar and Idukki Wild Life Divisions are partly lying in the district. Under Malayattoor Forest Division, there were 617.2411 sq km of reserve forest in the district. 0.5248 sq.km area is also proposed for reserve forest. Kothamangalam Forest Division has 36.421sq.km. in the district. Under Munnar Forest Division 11 sq.km of forest area falls. A portion of Kuttampuzha village of Kothamangalam taluk is covered by Idukki wild life division.

1.5 Administrative set up.

There are two systems of administrative set up in the district – revenue and local self Government. Under the revenue system the district is divided into Revenue division, Taluks and Villages. Under the local administrative set up, the district is divided into statutory towns and panchayats. For the implementation of developmental activities panchayats are grouped under community development blocks. Therefore all these units viz. taluks, villages, statutory towns, community development blocks and panchayats have their own relevance and importance.

The district consists of two revenue divisions, 7 taluks, and 124 villages. The two revenue divisions are Muvattupuzha revenue division consisting of 53 villages of Kothamangalam, Muvattupuzha, Kunnathunad taluks and Fort Kochi revenue division consisting of 71 villages of Aluva, Paravur, Kochi and Kanayannur taluks. The head quarters of Ernakulam is at Kakkanad. Kochi in Ernakulam is a Municipal Corporation and there are 13 Municipalities namely Aluva, Angamaly, Kalamassery, Kothamangalam, Muvattupuzha, North Paravoor, Maradu, Perumbavoor, Thrikkakara, Thripunithura, Piravam, Koothattukulam and Eloor. In Ernakulam there are 14 Development Blocks and 84 Panchayats.

2. District at a glance

The following table comprises the information about geographical, administrative, demographical, etc of the district. It will also provide brief idea education, land use pattern and infrastructural facilities of the district.

Table 2: District at a Glance

Sl No	Particular	Year	Unit	Statistics
1	Geographical features			
(A)	Geographical Data	2019		
	i) Latitude			9° 42'N and 10° 18'N
	ii) Longitude			76° 12'E and 76° 36'E
	iii) Geographical Area		Hectares	305826
(B)	Administrative Units	2019		
	i) Number of Revenue Divisions			2
	ii) Number of Tehsils			7
	iii) Sub-Tehsils			-
	iv) Patwar Circle			-
	v) Panchayat Samitis			-
	vi) Nagar Nigham			1
	vii) Nagar Palika			13

	viii) Gram Panchayats			88
	ix) Number of Revenue Villages			124
	x) Assembly Area			14
<i>Source: www.ernakulam.gov.in</i>				
2	Population			
	Sex-wise			
	i) Male	2011		1,617,602
	ii) Female	2011		1,662,258
	Rural Population	2011		1,047,296
<i>Source: Primary Census Abstract, 2011</i>				
3	Agriculture			
	Land utilization			
	i) Total Area	2017-18	Hectare	305826
	ii) Forest cover	"	"	70617
	iii) Non Agriculture use Land	"	"	45256
	iv) Cultivable Barren Land	"	"	15040
	v) Total Cropped area	"	"	164596
4	Forest			
	(i) Forest	2017-18	Hectare	70617
<i>Source: Agricultural Statistics, 2017-18</i>				
5	Livestock & Poultry			
A	Cattle			
	i) Cows	2012	Nos.	106950
	ii) Buffaloes	2012	Nos.	13020
B	Other livestock			
	i) Goats	2012	Nos.	123690

	ii) Pigs	2012	Nos.	5580
	iii) Dogs & Bitches	2012	Nos.	16647
<i>Source: 19th Livestock Census, 2012</i>				
IV) Railways				
	i) Length of rail line	2018	Kms	67
V) Roads				
	(a) National Highway	2015-16	Kms	97.595
	(b) State Highway	31.03.2018	Kms	325.206
	(c) Major District Roads	31.03.2018	Kms	2760.075
	(d) Other district & Rural Roads	2011	Kms	147
	(e) Rural road/ Agriculture (Village roads)	2011	Kms	10003.325
	(f) Kachacha Road	31.03.2018	Kms	NA
<i>Source: a,b,e: Panchayat Level Statistics, 2011; b & c : Economic Review, 2018</i>				
VI) Communication				
	(a) Telephone connection (working landlines)	2016-17	Nos.	261332
	(b) Post offices	2017-18	Nos.	390
	(c) Telephone Exchanges	2017-18	Nos.	124
	(d) Density of Telephone (landline)	2017-18	Nos./1000 per	77
	(e) Density of Telephone (landline)	2017-18	No. per Sq.KM.	83
	(f) PCO Rural	2017-18	No.	NA
	(g) PCO STD	2017-18	No.	NA
	(h) Mobile	2017-18	No.	NA
<i>Source: Economic Review, 2018</i>				
VII) Public Health				
	(a) Allopathic Hospital	2018	No.	15

(b) Beds in Allopathic hospitals	2018	No.	2865
(c) Ayurvedic Hospital	2018	No.	14
(d) Beds in Ayurvedic hospitals	2018	No.	310
(e) Unani hospitals		No.	NA
(f) Community health centers	2018	No.	23
(g) Primary health centers	2018	No.	35
(h) Dispensaries		No.	NA
(i) Sub Health Centres		No.	NA
(j) Private hospitals	2017	No.	60
<i>Source: Compiled from Economic Review 2017, Panchayat Level Statistics 2011 and DHS</i>			
VIII) Banking			
(a) Commercial Bank	2018	Nos.	1004
(b) Rural Bank Products	2017	Nos.	NA
(c) Co-Operative bank products	2017	Nos.	NA
(d) PLDB Branches	2017	Nos.	NA
<i>Source: Economic Review, 2018</i>			
IX) Education			
(a) Lower Primary school <i>(including State Syllabus and Other Syllabus)</i>	2017-18	Nos.	475
(b) Upper Primary school <i>(including State Syllabus and Other Syllabus)</i>	2017-18	Nos.	210
(c) Secondary & Higher secondary Schools <i>(including State Syllabus and Other Syllabus)</i>	2017-18	Nos.	763
(d) Colleges (except medical colleges)	2017-18	Nos.	59
(e) Technical University	2017-18	Nos.	NIL
<i>Source: Economic Review, 2018</i>			

2.1 Existing Status of Industrial Areas in the Ernakulam District

The following table shows the status of Development Plots in the District.

Table 3: Existing Status Industrial Areas (as on 31.03.2019)

Sl No.	Name of Ind. Area	Land acquired (in hectare)	Land developed (in hectare)	Prevailing Rate Per Sqm as on 01/10/2011 (In Rs.)	No. of Plots	No. of allotted Plots	No. of Vacant Plots	No. of Units in Production
1	DA Edayar	176.15	152.44	2166	336	336	Nil	312
2	D A Aluva	23.39	21.1	21510	90	90	Nil	84
3	D A Angamaly	88.8	88.19	742	53	53	Nil	45
4	D A Vazhakulam	6.17	4.92	19615	40	40	Nil	37
5	D P Angamaly	12.9	10.77	742	60	60	Nil	54
6	D P Kalamassery	31.6	26.6	2960	182	182	Nil	166
	Total	339.01	304.02	47735	761	761	0	698

Source: District Industries Centre, Ernakulam

3. Industrial Scenario of Ernakulam

3.1 Industry at a Glance

Table 4: Industry at a Glance (as on 31.03.2019)

Sl No	Head	Unit	Particulars
1	Registered Industrial Unit	No	28413
2	Total Industrial Unit	No	41687

3	Registered Medium Unit	No	90
4	Estimated Average No of Daily Worker employed in Small Scale Industries	No	9
5	Employment in Medium Industries	No	30314
6	No of Industrial Area	No	6 (DA+DP)
7	Turnover of Small Scale Industries	In Lakhs	Not Available
8	Turnover of Medium and Large Scale Industries	In Lakhs	Not Available

Source: District Industries Centre, Ernakulam

3.2 Year Wise Trend of Units Registered

Table 5: Year Wise Trend of Units Registered (as on 31.03.2019)

Year	Number of Registered Units	Employment	Investment (in Lakhs)
2006-07	258	3255	7870.36
2007-08	2852	34557	86277.23
2008-09	3185	23960	60586.34
2009-10	2239	20720	64858.88
2010-11	2236	25031	58021.17
2011-12	2098	20449	54071.96
2012-13	1943	18536	45177.56
2013-14	2484	20170	57419.05
2014-15	2292	15892	45882.41
2015-16	1862	13377	39395

2016-17	2242	11934	39323
2017-18	2060	9697	28459
2018-19	2662	14040	35160

Source: District Industries Centre, Ernakulam

3.3 Details of Existing Micro and Small Enterprises and Artisan Units in the District

Table 6: Details of Existing Micro and Small Enterprises and Artisan Units in the District (as on 31.03.2019)

NIC CODE	TYPE OF INDUSTRY	NO OF UNITS	INVESTMENT (Lakh Rs.)	EMPLOYMENT
11	Agro & Food based	5225	89710.76	43085
11	Soda water/Packaged drinking water	169	6259	1105
13	Woollen, silk & artificial Thread based clothes.	16	194	191
14	Ready-made garments & embroidery	1764	103214.32	13545
31	Wood/wooden based furniture	2268	9526.6	19027
17	Paper & Paper products	502	4458.14	4304
15	Leather based	167	16728.15	1433
20	Chemical/Chemical based	874	19133.45	13389
22	Rubber, Plastic & petro based	924	22877	7863
23	Mineral based	155	34248	1438
25	Metal based (Steel Fab.)	810	102481.11	7473
24	Engineering units	3612	36730.18	28798
27	Electrical machinery and transport equipment	1017	48230.74	10009
95	Repairing & servicing	4959	43009.92	23288
96	Others	4852	85158.63	56468
	Artisan Units	99	509	202
	Total	27413	622469	231618

Source: District Industries Centre, Ernakulam

3.4 Large Scale Industries/Public Sector Undertakings

The following table shows the list of large scale and PSU units in Ernakulam and nearby area as on 31.03.2019.

Table 7: Large Scale Industries - Private (as on 31.03.2019)

Sl.no	Name of Enterprise	Product	Value of P&M/c (Rs in Crore)	Employees (Nos)
1	Su-Raj Jewellery (Ind) Pvt. Ltd, SDF A Block, 4th Flour, CSEZ	Jewellery	12.75	29
2	Hi-Build Coatings (P) Ltd, D.P. Kalamassery	Paint Manufacturing	16	1476
3	Appollo Tyres Pvt Ltd, Kalamassery	Tyre & Precured tread rubber manufacturing	145	950
4	Fact Engineering Works, Binng Road, Palluruthy	Fabrication of Engg.Goods	NA	40
5	Matsyafed Ice & Freezing Plant,Kochangadi, Thoppumpady P.O	Sea food Processing	NA	67
6	Gramox Paper & Boards Ltd, Puthuppady P.O, Muvattupuzha	Carton Box	24.67	180
7	Eastern Condiments (P) Ltd,Irumalappady, Kothamangalam	Curry Powder	35	265
8	Kancor Ingadients, IDA, Angamaly	Oleo resin, Extracts of Spices	18	270
9	Cochin Kagaz Ltd., Karukutty, Angamaly	Craft Paper,White Liner,Craft liner Etc	40	200
10	BSES Kerala Power Ltd, Udyogamandal	Generation of Electricity	564.68	126
11	KitexLtd Kizhakkambalam	Ready Made	11.12	900
12	OEN India Ltd, Electrogiri, Mulanthuruthy	Electro-mechanical Equipment Mfg	4000.8	323
13	Betah Plastic (P) Ltd. Karicode, Mulanthuruthy	Plastic Moulded Ites	346	18
14	Mettalloids Steel Industries, S.Paravoor, Udayamperoor.P.O	Metal Sheet	145	5
15	Steelco Metals & Profiles,Kureekkad.P.O, Chottanikkara	Roofing Sheet	74	5
16	Malabar Exrusions (P), Peppathy	Aluminium items	378	80
17	Kannangayath Metals, peppathy	Aluminium Items	406	52

18	RCS Cartons (P) Ltd., Vettickal.P.O	Carton Box	96	16
19	Manalil Industries, Vettickal.P.O	Moulded Industrial accessories of Plastic	196	9
20	Namiattukudy rice mill	Rice, Flour etc	1260	196
21	K.K.R Rice mills	Rice, Flour etc	779	96
22	AKAY spices	spices	25	51
23	CAP SEA foods	Food process	500	90
24	Cochin Security Press	Printing	500	12
25	FINPACK Market Road, Mini Harbor, Palliport PO, Pin- 683515	Paper cup	40	6
26	SAMUEL ICE FACTORY, Mini Harbor, Pallipuram, Palliport PO, Ernakulam, Pin-683515	Ice	76	4
27	CHRISMARIA FOOD PACKERS,Narakkal	Sauce, Jam, Pickles	42	9
28	THALIATH CARTONS, 2/590,2/590-A, MANJANAKAD ROAD NARAKKAL.P.O. 682505	Paper cartons	55	10
29	Brmsco,Pampakkuda	Plastic Woven fabrics	950	120
30	Photone	Printing	56	6
31	Vithayathil , Digital Lab	Printing	32	5
32	Inks Creative	Flex Printing	30	3
33	Cherupushpam, Offset	Offset Printing	46	7
34	SARASWATHI MARINE PROPELLERS, 20/186A,MALIANKARA,MO OTHAKUNNAM	MANUFACTURE OF MARINE PROPELLERS	59	10
35	PAZHUPPARAMBATH FOODS, VALLUVALLY, KOONAMMAVU-PO	FOOD PRODUCTS	81	9
36	MARIAM PAPER CONTAINERS PVT.LTD, KOTTAYIL KOVILAKAM, CHENDAMANGALAM P.O	MANUFACTURE OF PAPER CONTAINERS	268	26
37	L B BUSINESS FORMS, NO.13/200A, KAITHARAM- PO	PAPER PRODUCTS	31	6
38	Carborundum Universal Ltd, K D Plot P.o South kalamassery	Minerals	14495	336
39	Marco Foods Vazhakkulam	Food Products	100	10
40	Ashly Furniture Marady	Steel furniture	180	10

41	Mctrolla Steel Paipra	Iron products	420	112
42	Agro Industries Valakom	Paving Tiles	200	8
43	Kunnathan chip boards Paipra	Particle board	900	30
44	Grandma's food products Perumballoor	Food products	163	16
45	Malabar fruit products Neerampuzha	Food products	29	33
46	M/s.paravur Engineers,peruvaram	Chapatti making machine	15	2
47	DNA Automation,perumpadanna	Wooden furniture	24	2
48	M/s.Khanu& sons,N.paravur	Hollow bricks	12	4
49	M/s.Adhil signs,N.Parur	Flex,sign board,momentos	25	5
50	M/s.Kerala Ayurveda Ltd,	Ayurvedic Medicine	385	120
51	XO Pack Pvt ltd ,CSEZ	Packaging	500000	78
52	Al Badr Pvt ltd, CSEZ	Sea food	10000	160
53	SFO Optronc Division, CSEZ	Electronics	170000	111
54	Amy exports Pvt Ltd ,CSEZ	Jewellery	500000	130
55	Synthite Industries Ltd.	Flavors, spice products etc.	49000	498
56	Plant Lipids, Kadayiruppu	„	28500	394
57	Agappe Diagnostics Ltd	Diagnostic equipments	19000	230
58	Philips Carbon , Karimugal	Carbon Black	19600	
59	Arjuna natuaral Extracts Ltd. D A Edayar	PROCESSED SPICES	2236	94
60	Prima Agro Ltd, Edayar	Cattle Feed	818.98	52
61	SriSreenivasa Roller Flour Mill Pvt Ltd	Flour Milling	457.96	26
62	Eastern Treads	Tyre Treads	900	130
63	Rado Tyres	Tyres	1880	250
64	Palappillil Crub Rubbers	Rubber Products	600	130

Source: District Industries Centre, Ernakulam

Table 8: Large Scale Industries - PSUs (as on 31.03.2019)

Sl.No	Name of Enterprise	Product	Value of P&M/c (Rs in Crore)	Employees (Nos)
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1	Kerala State Books Publishing, Kakkanad	Printing of Text books of Schools,Colleges	100	250
2	KAMCO,Athani	Agro Machineries	16.15	235
3	Transformers & Electrical Kerala (TELK) Ltd, Angamaly	Power Transformers	43.42	605
4	Kerala State Bamboo Corporation Ltd., Angamaly	Bamboo Products	15.40	242
5	HMT, Kalamasserry	Machine Tool Manufacturing	110	329
6	ForestIndustries Travancore (FIT) Ltd., Aluva	Wooden Furniture	3.52	86
7	BPCL,Cochin Refineries, Ambalamugal	Crudeoil refining,LPG - 44	95	2145
8	FACT,Kunnathunadu	Fertilizer	130	1005
9	KEL,Kunnathunadu	Transformer	11	253
10	Meat Products of India Ltd EdayarP.O ,Koothattukulam	Meat Products	15	97
11	Hindalco Industries Ltd, Eloor	Alluminium,Alloys	64.44	340
12	HIL Ltd, Udyogamandal	DDT,Dicofol	44.98	242
13	Travancore Cochin Chemicals Ltd PB No. 4, Udyogamandal	Caustic soda,Liquid Chlorine,HCl acid,soda bleach	246.16	344
14	FACT LTD, Eloor, Udyogamandal	Fertilizer& Petrochemicals,Engg. Consultancy Service	1374.29	2708
15	Indian Rare Earths Ltd, eloor	Minerals	NA	NA
16	Cochin Shipyard Ltd.Kochi	Ship Manufacture	NA	NA
17	Vazhakulam Agro & fruit producing co. ltd Vazhakulam	Food products	2400	35
18	Traco Cable Company Limited	Electric cables, House wiring cables	500	250
19	IOC Bottling Plant Udayamperoor	L P G Refilling	NA	170

Source: District Industries Centre, Ernakulam

3.5 Major Exportable Item

The Major exportable items are listed below:

Table No 9 : Exportable Items

SL. NO.	GOODS
---------	-------

1.	Tea
2.	Cashew
3.	Coir Products
4.	Coffee
5.	Sea food Products
6.	Spices
7.	Vanilla
8.	Agro& Food
9.	Electronics Hardware
10.	Engineering
11.	Garments
12.	Gem& Jewellery
13.	IT&ITEs
14.	Plastic & RubberProducts
15.	Service
16.	Trading
17.	Textiles& Garments
18.	Miscellaneous

Source: District Industries Centre, Ernakulam

3.6Growth Trend

There is a positive trend:

No of units		2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Micro	Manufacturing	1162	1306	1070	966	984	811	1012
	Service	593	918	1012	597	885	959	1278
Small	Manufacturing	107	156	136	147	186	117	141
	Service	75	91	68	137	174	164	223
Medium	Manufacturing	5	5	2	11	4	3	6
	Service	1	8	4	4	9	6	2

Sectorwise growth of MSMEs

Sectors	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Textiles & Garment	68	146	90	158	270	215	238
Glass & Ceramics	4	19	23	5	8	3	6
Mechanical/General/Light Engineering	264	217	147	241	246	212	166
IT&ITES	52	134	110	83	75	29	24
IT Hardware	14	26	13	18	4	1	4
Rubber Products	18	45	46	26	23	10	9
Chemical	30	31	48	64	32	13	17
Plastics	60	54	20	33	39	26	29
Paper products	30	54	42	15	39	16	30
Fruits and Food based products	12	69	31	180	111	184	175
Wood products	149	268	169	88	133	126	79
Printing & Allied	54	88	61	49	56	62	42
Building Materials	81	79	35	31	53	26	15
Resin/Leather Products	14	16	5	11	11	14	13
Electrical & Electronics	32	96	43	38	40	26	14
Pharmaceuticals	0	8	4	1	1	4	5
Ayurvedic products	5	8	4	10	11	14	7
Service Activities	466	512	766	846	662	591	396
Miscellaneous	317	387	413	313	154	121	115
Food & Agro Based Products	190	81	158	88	183	95	103
Cement Products	82	81	20	21	76	84	25

Wax Candles	9	42	15	19	40	23	19
Total	1951	2461	2263	2338	2267	1895	1531

3.7 Vendorisation / Ancillarisation of the Industry:

Activity	Potential of Ancilliary Industrialization
Mechanical Workshop	Employment potential in the main industry
Cryogenic Workshop	Employment potential in the main industry
Centralized Cleaning Facilities	Employment potential in the main industry
Electrical Workshop	Employment potential in the main industry
Instrumentation Laboratory	Employment potential in the main industry
Pipe Workshop	Potential for few medium units outside
Steel Fabrication Workshops	Potential for few medium units
Blasting and Tank Coating Facilities	Potential for few medium units
Joinery and Outfitting Shops	Potential for few medium units
Storage Facilities	Low potential for external sourcing
Slop Disposal Facility	Low potential for external sourcing

Source: District Industries Centre, Ernakulam

3.8 Medium Scale Enterprises

The following table shows the medium scale enterprises in the district.

Table 10: Medium Scale Enterprises (as on 31.03.2019)

Sl. No	Name of Enterprise	Product	Value of P&M/c (Rs in Crore)	Employees (No)
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1	M/s J.K.Constructions	Real Estate Service	3,00,00,000	20
2	Trans Castle, Maradu	Data Processing	5,91,00,000	17
3	M/s.Social Saw Mills,Kalamassery	Wooden chair Window	5,50,00,000	115
4	National Paints Factories, Angamaly	Paint	5,00,00,000	55
5	Peevees Plywoods, Muvatturpuzha	Plywood, Block Glass, Doors, Steel	5,43,00,000	09
6	Orionis technologies and Solutions Pvt.Ltd.	Software Development,	8,80,00,000	16
7	Hankook Latex Pvt.Ltd. Irapuram	Condoms, Other dipped Latex products except Contraceptives, Rubber Hose	5,90,00,000	51
8	P T Antony & Sons Alappat Fashion Jewellery, Broadway, Ernakulam	Jewellery Ornament , Gold Others	5,00,00,000	31
9	Win Ply And Boards, Kothamangalam	Plywood, Blocks Wooden	5,35,00,000	12
10	Malaya Rub Tech Industries, IDA, Edayar	Insulation Sheets & Board Rubber	5,45,00,000	60
11	Diamond Food Products, Koovapady	Broken Rice, Rice Bran, Paddy Husk	7,55,00,000	16
12	Resitech Electricals, IDA, Aluva East	Transformers 11kv except for captive consumption	6,25,00,000	12
13	Lachmandas & Company, Doraiswamy road, Kochi	Wholesale Trade Services	3,30,00,000	70
14	Lachmandas & Sons, Doraiswamy road, Kochi	Wholesale Trade Services	3,35,00,000	155

15	Eastern Condiments Pvt.Ltd. Kavalangad, EKM	Coffee Grinding	6,57,00,000	31
16	Tropicana World Trade Pvt.Ltd. Veriyakadavu	Bakery Products	5,75,00,000	09
17	Kunnel Enginners & Contractors Pvt.Ltd., KPC Junction, Kochi	Technical Consultancy Services, Construction work for Building	4,86,00,000	34
18	Geeyem Agro Mills, Koovapady	Rice Milling	8,16,00,000	13
19	Rose Residency Kolenchery,	Hotel Restaurant Service	3,00,00,000	54
20	General Construction Pvt.Ltd, Thrikakara	General Construction work for Building	5,80,00,000	23
21	Pai & Company Printing Division Jew Street, EKM	Offset printing, Books Binding, Computer Designing	1,00,00,000	08
22	Siggil Indstl. Gases, Eloor	Carbon Dioxide solid, Carbon Dioxide Gas	5,17,00,000	08
23	J & A Foundations Pvt.Ltd, Vennala, Kochi	Piling	4,52,00,000	137
24	AMES Food Processors India PVT. Ltd.	Agro Products Processing, spices and Spice products	8,93,00,000	23
25	DC Press Pvt.Ltd. Kurusupalli Junction,	Printing Machines, Reprographic machine	7,10,00,000	10
26	Choice Blocks, Kalamassery	Cement Product Others	5,80,00,000	10
27	Fathima Aluminium Rolling Mill DP, Kalamassery	Aluminium plate, sheets strips, section, Aluminium Disk	5,00,00,000	08
28	Leetha Industries, IDA, Kalamassery	Paper cups	6,00,00,000	80
29	CII Guardian International Ltd, Kadavanthara, EKM	Electro Magnetic Separators	5,48,00,000	212

30	BEO Software Pvt.Ltd	Software Development	2,00,00,000	75
31	Akay Flavours and Aromatics Pvt Ltd, Aluva	Natural Essential Oils and Extracts	6,75,00,000	46
32	High Build Coatings IDA, Kalamassery	Paints	6,75,00,000	97
33	Beena Apparels, Perumbavoor	Shirts	6,64,00,000	60
34	Malabar Spice Processors, Kizhakkambalam	Curry Powder, Masala Mix, Dried Spices	3,45,00,000	11
35	Poly Formalin Ltd	Formaldehyde, Amino Resins	4,60,00,000	13
36	Microtrol Sterilization Service, IDA,	Sterilization Service	5,00,00,000	10
37	Thulabhavan, Ernakulam	Electronic components	5,03,00,000	6
38	Cochin Bakery, Ernakulam	Bakery Products	4,76,00,000	22
39	Alpha Paints, DP, Angamaly	Paints, Varnish	6,18,00,000	8
40	J J Confectioner Pvt Ltd, Kolencherry	Sweet meat	5,50,00,000	180
41	Logic bond Technologies Pvt Ltd, Aluva	Software development	8,80,00,000	8
42	Jyothis Industries, Palarivattom	Cosmetic and Toileteries	5,00,00,000	11
43	V C Pharmaceutic als, N parur	Vetenary Preparations	3,00,00,000	11
44	Hi-Build coatings Pvt Ltd, IDA Kalamassery	Paints, Varnish	5,00,00,000	58
45	Print N Unity, Kochi	Printing and other activities	5,90,00,000	5
46	Silpi Agrotech Pvt Ltd, Vazhakulam	Cattle feed	5,00,00,000	36
47	Kerala Lubricants and Chemicals, DP, Kalamassery	Electrical Capacitors	5,25,00,000	06

48	Thaliath Jewellers, Pallimukku	Gold, silver, metal jewellery	5,00,00,000	35
49	Akshaya Info	Software Development	6,00,00,000	05
50	Meh Roof Polymers Rayonpuram	Other Plastic Product	5,00,00,000	12
51	Sreekamakashi Production, Edappally	Other grain Milling & Process Activities	8,00,00,000	20
52	Resitech Electricals, Vazhakulam	Transformer	7,25,00,000	10
53	Ibsons Industries, Kunnuthunad	Plywood	5,12,00,000	10
54	Premier Aluminium Industries, Angamaly(S)	Aluminium based products	6,50,00,000	18
55	Lucia Industries, Vazhakulam	Paper containers and boxes	7,50,00,000	26
56	S.T.Redias & Sons Veekashanam	Printin press	2,19,00,000	37
57	BGR Hotels, Maradu	Food Products	5,32,00,000	39
58	Herbal Isolate Pvt.Ltd, Kochi	Mustard Oil, green Pepper	6,25,00,000	21
59	Kaveri Pet & Polyforms ltd.Puthencruz	Moulded Furniture Paint , Aluminuim Composite panels	9,90,00,000	110
60	Grove Limited, 45aDPA Kalamassery	Banana Chips, Cashew nut Fried	5,47,00,000	50
61	Spectrum Softtech Solutions EKM	Medical Transcription	7,90,00,000	210
62	Delta Wood Panels Perumbavoor	Treated Rubber Wood Products	5,00,00,000	20
63	Vysali Pharmaceutic als, Edathala	Parenteral capsules,dry syrup	6,86,00,000	138
64	Mediscan, Palarivattom	X-Ray and Full Body scan	5,00,00,000	38

65	Alappat Jewels, Kochi	Jewellery, Gold	3,60,00,000	55
66	AB Mauri india Pvt. Ltd, Kakkanad	Spice Products	3,31,56,000	87
67	Koder House,kochi	Restaurant, Lodging	4,00,00,000	31
68	A Geeri Pai Gold Diamond	Gold Diamonds, Stones	7,00,00,000	31
69	Sea Blue Shipyard Kochi	Ship Building	9,00,00,000	60
70	Sea Blue Shipyard Kochi	Ship Repairing	5,00,00,000	60
71	Gramox Paper & Boards, Kochi	Paper & Paper Boards	6,47,00,000	160
72	Mercham Limited	Rubber Chemicals	7,45,00,000	141
73	Enitechs, Irumpanam	Grill, Gate	5,00,00,000	10
74	Souriau india Pvt.Ltd	Connectors & Components	5,52,00,000	80
75	MAS Plywoods, EKM	Plywood and veneer sheets	5,50,00,000	12
76	Kalady Rice Millers, Kalady	Rifined Rice Bran Oil	6,59,80,000	33
77	Eastern Condiments, Edappaly	Spices Spices mixes	9,20,00,000	307
78	Metro m Sand Inds.Kalady	M Sand, M Sand Fine	5,57,00,000	12
79	PDDp central Society, Kalady	Milk Products Icecream	5,00,50,000	119
80	Popular motor World Pvt.Palarivattom	Servicing of card	6,00,00,000	249
81	Nedspice Processing	Whole/Ground Sterilsed Spice	6,27,00,000	45
82	Abad Motels and Resorts,Kochi	Hotels & Restaurant	3,82,00,000	48
83	Synthite Industries, kochi	Capsicum, Cardamom,	6,78,00,000	559

84	Parackal Granite Kerala, EKM	Granit Metal, Baby Metal, M Sand	7,00,00,000	16
85	SR Ventures, Koovappadam	Housekeeping, Manpower Supply	5,00,00,000	88
86	Mountain Shadows Resorts Private Limited	Resort & Hotel	5,00,00,000	80
87	Cson Paper Mills Private Limited	Paper Products	9,93,00,000	150
88	Ishwardas sons Logistic Solution Private Limited	Transport	4,90,00,000	20
89	Blue Elephant		5,00,00,000	25
90	Wahffy Solutions	Software Development	5,00,00,000	15
91	Jrunique Printers	Paper Products	7,50,00,000	40
92	Arameks Boutique Inn	Beauty Treatment	2,75,00,000	5
93	TTG Hotels Private Limited	Hotel	5,00,00,000	80

Source: District Industries Centre, Ernakulam

3.8.1. List of the units in and nearby Ernakulam area : Its reflected in 3.4 and 3.8

3.8.2. Major Exportable item : Its reflected in 3.5

3.9 Service Enterprises

3.9.1. Potential Areas for Service Industry

The following shows the potential areas for service industry in the district:

Table 11: Potential Areas for Service Industry

Sl No:	Activity	Potentials
1	Ship Chandalering	Ship chandeling refers to estimating the demand of provisions other than fuel for a visiting ship and providing them at rates so economical that the agent would be tempted to purchase supplies from this Port for a long spell of the voyage. Provisions like grains, sugar, vegetable oil, bread, condensed milk, egg, meat are likely to be indented from ship chandlers located in Cochin Port

2	Security	A systematic security system will be required for the ship in berth and the degasification terminal and tank forms
3	Condition Assessment/Certification	There will be demand for setting up agencies to certify the carrier worthiness of the tanks and the seaworthiness of the vessel.
4	Minor Repairs to Ships/Pipelines	In view of the high degree of corrosion for metal parts, there will be demand for minor repairs and replacement to ships gear, cargo carrying apparatus and pipelines. Entrepreneurs can set up small scale or medium scale metal molding industries to meet the demands.
Potentials of LNG Terminal		
1	Low fuel cost	The increasing turnover of FACT can give rise to more demand for transportation and more turnover for the suppliers to FACT Medium scale industries especially manufacturing Chemical can come up with working fuel as LNG
2	Low power cost	Industries handicapped by high cost of power can function with more cost competitiveness through in house generation of power/cluster generation of power using LNG
Cruise Terminal Opportunities		
1	Construction and maintenance of cruise terminal Investment Rs.55 Core	Well experienced investor as joint venture partner
2	Safety and security aspects	Shipping agents-Tourist operators
3	Providing of support infrastructures viz. hotels, shops, etc At present the vessels spend only one day in Cochin. Therefore the spending impact is confined to a radius of 10 Kms. Increasing the frequency can help to establish dedicated market with products from even neighboring state.	(Requirement confined to season. Cost management in handling inventory is a key skill)- Tourism promoters experienced in this line
4	Handling cruise liners	Shipping agents
5	Handling cruise liners - Complying with the government policies and procedures	Shipping agents
6	Handling foreign tourists from the Europe & American continents.	Tourism promoters

7	Local sightseeing	Tourism promoters-Taxi operators-Guides
8	Sightseeing to outside the district	Tourism promoters-Taxi operators-waterway operators
9	On-Land passenger spending	Restaurants, sightseeing trips, accommodation, shopping and cultural activities
10	On-Land crew spending	Restaurants, sightseeing trips, accommodation, shopping and change over travel
Nature and potential of industrial opportunities from bunkering terminal		
1	Bunkering	Import of high quality fuel Barge operations to supply to vessel; Storage tank operations involving tank maintenance security; Inland transport through smaller barges for supplies
2	Lube oil supply	Storage and supply; Import of Lube oil
3	De- slopping	Chemical treatment of waste oil/liquids from a vessel – initiate setting up of medium scale slopping units
4	Garbage collection	Effluent Treatment of waste from a vessel – initiate setting up of medium scale slopping units
5	Fresh Water Supply	Purification and Water treatment can come up in the Port area.
6	Ship Repair	Offshore repair service can come up in the Port area
7	Crew Change	Accommodation/travel
8	Storage- facilities	Warehousing stations can be set up in the Port suburbs
9	Consultancy	International level consultancy to maintain standards

3.10 Potential for New MSMES

Ernakulam is a fast developing district with high potential for an amplified growth in almost every field. The new developmental projects, which are being materialized in the district, will give a new form for the growth of the district.

Along with the above mentioned projects the authorities and investors need to tap the complementarities in the district. There is enough scope for promoting agro-based industries for both domestic and foreign markets. The facilities in the various industrial

parks, special economic zone and air-cargo division shall be exploited to promote exports. The linkage should be extended to agro-processing and agro-business activities. It is important to capitalize the complementarities between agriculture and industry.

a) Food Processing Industries

Food processing industry gels very well with the conditions in Ernakulam because of its intrinsic characteristics. First of all it helps in striking the balance between agriculture and industry. Secondly the low capital intensity and low working capital requirement makes it accessible to people belong to every social class. As a corollary to the above argument, it neatly fits with the large pool of human capital resource in the district.

Products with potential in the Food Processing Industrial Sector

- a) Frozen Fish and Meat Cutlets/ Ready to eat and ready to mix food products
- b) Fruit Beverages
- c) Fruit Processing / Canning
- d) Bread and Bakery Products
- e) Spices and Curry Powder
- f) Desiccated Coconut
- g) Coconut Milk / Cream
- h) Dehydrated Green Pepper
- i) Oleoresins / Spices Oils / Essential Oils
- j) Carbonated Beverages
- k) Jams, Pickles, and Powders

The average investment needed for this sector will be around Rs.10 lakhs and can create employment for 10 people in a unit and the project can be set up within 2 years.

b) Garment Manufacturing Sector

Another sector with lot of potential in the MSME sector in Ernakulam is Garment manufacturing. Ernakulam has got a substantial number of tailoring units in the MSME sector. In the world economy the changes taking place are in favour of this sector. So if we looking at the demand for garment products at the international markets and prudently use our resources, which will usher in a new era in the garment manufacturing sector.

Products with potential in the Garment Manufacturing Sector

- a) Shirts, T shirts, Pants, and Churidars, etc

- b) Coveralls, Jackets, Open back gowns, Pajamas, and apron, etc
- c) Sheets, Pillowcase, Cotton Mattresses, Diapers and Mattresses, etc
- d) Garment Bags, Window screens, Blankets, and Mattress cover, etc

c) Metal Based Industries

Ernakulam has a considerable number of metal-based industries in its geographical area. But somehow these industries do not succeed in diversification and often perils with the arrival of new innovative products. With the arrival of the container terminal the availability of raw materials will become more easy and cost effective. This coupled with the traditional knowledge can do wonders in this sector. But identifying the suitable products and making it to perfection, all these processes require a good deal of patience and vigilance.

Products with potential in the Metal-based sector

- a) Automobile gaskets
- b) Automobile filters
- c) Auto exhaust muffler systems
- d) Replacement parts of bicycles
- e) Automobile leaf springs
- f) Wire drawing, Wire nails, Panel pins, Barbed Wire
- g) Domestic utensils
- h) Steel door and windows
- i) Steel furniture
- j) Rolling shutters
- k) Steel and Aluminum expanded products
- l) Agriculture tools
- m) Liquid level gauges

These units can be functioned as Auxiliary Units to the ICTT, Vallarpadam, and CIAL, Kochi with an investment of 25-30 lakhs each.

d) Rubber Based Products

Kerala accounts for more than 90% of the total rubber production in the country. In the long term also if we look at the future prospects, the need to encourage industries using rubber to manufacture new products will become more imperative as that is the only way to attain a balanced position in terms of the fluctuating market prices. The

existence of a sound network of intermediate rubber units engaged in rubber compounding, crumb rubber manufacture etc., facilitates favourable investment in this sector.

Products with potential in the Rubber Based Sector

- a) Foam Rubber Products
- b) Fibre Foam Products
- c) Latex Dipped products
- d) Speciality Hoses
- e) Auto rubber components- Bushes, Break pedals, Clutch pedals, Channels, Bearings, Mud guard, etc
- f) Transmission belts
- g) Rubber balloons, toys, etc
- h) Rubber thread
- i) Latex adhesives
- j) Molded rubber goods

e) Leather Based Products

In Ernakulam, though the share of leather based units 1.09 per cent of the total MSME sector in the district is marginal; this sector offers immense scope for further growth. Lot of new products are coming up day by day based on leather in the markets, but the MSME sector in Ernakulam is in a standstill in terms of the innovation and diversification process in this sector. The local know how existing in this sector, if combined with the new technologies, may become useful in the revamp of this sector.

Products with potential in the Leather Based Industrial Sector

- a) Sole leather
- b) Gents shoe
- c) Leather Chappals and Sandals
- d) Children's Shoe with rubber soles
- e) Bags and valets, etc.
- f) Seat cover for Scooter, Two wheelers, & four wheelers
- g) Fancy leather goods

f) Chemical Based Products

Ernakulam is home to a number of chemical based factories. FACT is a good example for this. But even with the presence of a large number of chemical based factories in this region, proper ancillarisation activities have not yet taken place in the SME sector. There are large number of opportunities exist with regard to these linkages. In addition to this, new opportunities also exist in this field.

Products with potential in the Chemical Based Sector

- a) CNSL based items
- b) CNSL resins
- c) Synthetic adhesives
- d) Primer paints
- e) Wood polish
- f) Cement paints
- g) Printing and duplicating ink
- h) Marine paints
- i) Mosquito Repellents

g) Electronics Goods

Electronic goods manufacturing sector is one of the sunrise sectors in the MSME sector in Ernakulam. It offers ample scope for starting new units in this sector. This sector has got many advantages in sync with the conditions in Ernakulam. It's no-pollution, less land required and low investment based sector. The vast pool of skilled labour in Ernakulam is another attracting factor in favour of this sector.

Products with potential in the Electronics Goods Sector

- a) Ultrasonic instruments
- b) Electronic instruments for auto industry
- c) Pollution control instruments
- d) Electronic instruments / devices for energy conservation
- e) Surveillance and security Systems
- f) Computer monitors
- g) Other peripheral devices
- h) Computer ribbons
- i) Electronic Automotive and medical Electronics
- j) Emergency lamps

- k) Electronic fan regulators
- l) Printed circuit boards
- m) Electronic toys
- n) Banking Automation
- o) Inverters
- p) Un- interrupted power supply (UPS)

h) Plastic Products

Though in the long term, due to the various ecological, environmental, and ethical considerations the future of plastic industries as it is now, may look bleak but if the right kind of uses are identified and products are made to cater to those needs, then this industry can survive for a long time. The presence of plastic industries in Ernakulam is quite strong.

Products with potential in the Plastic Based Sector

- a) Plastic molded luggage
- b) Thermo welded plastic products
- c) Plastic cups (for latex collection)
- d) Fish net
- e) Roto molded plastic water tanks
- f) I.V sets
- g) PVC Pipes
- h) PVC Conduit pipes
- i) PVC Pipe fittings
- j) PVC flexible hoses
- k) Vacuum formed plastic products
- l) Fabricated novelty items from Acrylic sheets
- m) Medical Disposables
- n) Bio degradable plastic products

i) Biotechnology

Kerala's intrinsic biodiversity, along with an excellent chain of research institutions and highly skilled manpower is ideal for the growth of the biotech industries. The newly announced, advanced biotechnology park will also act as the single source for research and support services for setting up new units on a commercial basis

Products with potential in the Bio technology sector:

- a) Tissue Culture
- b) Biopesticides
- c) Biofertilizers
- d) Embryo Transfer
- e) Vaccines
- f) Biochemicals
- g) Fish Fatty Acids
- h) Medical Diagnostics
- i) Enzymes
- j) Chitin & Chitosan
- k) Shrimp Extract

j) Other Miscellaneous Products

- a) Orchid Culture
- b) Building & Construction Materials
- c) Mushroom Processing / Preparations
- d) Pharmaceutical Preparations
- e) Make up sets
- f) LPG Cooking stoves
- g) Cast iron pipes and fittings
- h) Bathroom fittings

k) Tourism & Healthcare

Ernakulam is a place having a distinct position in the world map of tourism. Since times long back, it has been attracting travellers from the far distances as well as from nearby places. Tourism has of late, become a major contributor to the local income and the chances of it flourishing further in this place is colossal. Ernakulam has a fascinating beauty of the old and new, scenic beauty of backwaters, inland waterways, fascinating and thrilling beauty of beaches etc.

Ernakulam is considered as the gateway to Kerala for Travellers coming to Kerala. A cosmopolitan city in comparison to other cities of Kerala, Ernakulam has a well developed

port and an international airport. Kochi in Ernakulam is referred to as the 'Queen of Arabian Sea' and has in store for visitors some heritage sites as well as historic ones with a landscape crisscrossed by back waters, which meet the Arabian sea at various points.

The scope of water tourism, water sports, is yet to be exploited. Big opportunities are there in the field of healthcare services also.

Health tourism is gaining momentum in the district. Because of advanced hospitals with world class facilities, renowned doctors, specialized in major disciplines, trained para-medical staff, and technicians along with the international connectivity give great opportunity to the health tourism in the district.

Thus the potential sectors identified in the district can be classified as nano/household, micro, small and medium category of enterprises.

3.11. Classification of Potential Sectors

Category	Potential sectors identified	Strategies for development of identified sectors	Internentions needed for development of identified projects
Nano	<p>i) Agro based(ethinc food items, snacks, pickles, catering services)</p> <p>ii) Light engineering (work shop and fabrication works)</p> <p>iii) Wood based(Doors & windows, furniture & fixtures)</p> <p>i) Jem and jewellery (gold covered ornaments)</p> <p>ii) Textile/garments(readymade garments, tailoring services)</p> <p>iii) Clay based(terra cotta products)</p> <p>iv) Tourism(sovenier industries)</p> <p>v) Commercial activities(door to</p>	<p>Better quality control need to be adopted. Efficient packing and preserving techniques need to be implemented. Quality of products and services to be assured. New trends and technologies should be adopted. IT trained Automobile professionals may be identified and motivate them</p>	<p>Training /educational classes /workshops need to be conducted. Necessity of keeping higher standards need to be learned. Marketing assistances and financial support should be provided. Awareness programmes on quality upgradation and innovative technologies should be conducted. Technically</p>

	<p>door selling, weekly markets, coffee shops, DTP centers, photocopying centers)</p> <p>vi) Handicrafts(wooden, claybased, rosary)</p> <p>vii) Candles(decorative candles, other wax products)</p>	<p>to start such units. Heritage Tourism and Village Tourism Sectors may be strengthened</p>	<p>qualified persons may be given handholding service. Tie up with the big players of the industry, and such assistance should be extended. Small huts, Homely food Kerala Spicy foods etc. may be made available to Tourists.</p>
Micro	<p>i) Agro food (bakery & confectionary, flour milling, coconut based, Fruit juices and beverages)</p> <p>ii) Light engineering (Tool and die, furniture and building materials, sheet metal works)</p> <p>iii) Wood based (Furniture & fixtures, wooden panels, doors and windows)</p> <p>iv) Jem & Jewellery(diamond cutting and polishing, jewellery/ornaments, design center)</p> <p>v) Electronic and Electrical (power control & stabilizing equipments, domestic electrical appliances, consumer electronic products, electronic moving display)</p> <p>vi) Textile/garments (Readymade garments, under garments)</p> <p>vii) Plastic based(moulding unit (household/industrial purposes, engineering plastics, plastic components, packing materials, reprocessing units)</p> <p>viii) Clay based (decorative and paving tiles)</p>	<p>Better quality control need to be adopted. Efficient packing and preserving techniques need to be implemented. Quality of products and services to be assured. New trends and technologies should be adopted. IT trained Automobile professionals may be identified and motivate them to start such units. Heritage Tourism and Village Tourism Sectors may be strengthened</p>	<p>Training /educational classes /workshops need to be conducted. Necessity of keeping higher standards need to be learned. Marketing assistances and financial support should be provided. Awareness programmes on quality upgradation and innovative technologies should be conducted. Technically qualified persons may be given handholding service. Tie up with the big players of the industry, and such assistance should be extended. Small huts, Homely food</p>

	<p>ix) Building/construction materials(cement bricks, concrete products, flooring tiles ,m-sand)</p> <p>x) IT/Knowledge industries (software development, IT enabled services)</p> <p>xi) Biotechnology (Tissue culture, bio fertilizers)</p> <p>xii) Rexene and leather products</p>		<p>Kerala Spicy foods etc. may be made available to Tourists.</p>
Small	<p>i) Agro food (vegetable and fruit preservation, cold storages, meat processing)</p> <p>ii) Light engineering (industrial machineries, Tools)</p> <p>iii) Wood based(interior decorative, furniture)</p> <p>iv) Electronic/electrical(power control& stabilizing equipments, domestic electrical appliances)</p> <p>v) Textile/garments(design studio, readymade garments, under garments, sportswear)</p> <p>vi) Plastic (dies and moulds, PVC pipes and tanks, packing materials, other plastic products)</p> <p>vii) IT/Knowledge industries (software development, IT enabled services)</p> <p>viii) Biotechnology (Tissue culture, bio fertilizers)</p> <p>ix) Health (testing labs, wellness centers, other related services)</p>	<p>Better quality control need to be adopted. Efficient packing and preserving techniques need to be implemented. Quality of products and services to be assured. New trends and technologies should be adopted. IT trained Automobile professionals may be identified and motivate them to start such units.</p>	<p>Training /educational classes /workshops need to be conducted. Necessity of keeping higher standards need to be learned. Marketing assistances and financial support should be provided. Awareness programmes on quality upgradation and innovative technologies should be conducted. Technically qualified persons may be given handholding service. Tie up with the big players of the industry, and such assistance should be extended</p>

Medium	<p>i)Agro food & other food based (Spices and extracts, Packed instant foods, Processed meat, Sea food industries)</p> <p>ii)Light engineering (industrial machineries)</p> <p>iii) IT/Knowledge industries (software development, IT enabled services)</p> <p>iv)Health (testing labs, wellness centers, other related services)</p>	<p>Better quality control need to be adopted. Efficient packing and preserving techniques need to be implemented. Quality of products and services to be assured. New trends and technologies should be adopted. IT trained Automobile professionals may be identified and motivate them to start such units.</p>	<p>Training /educational classes /workshops need to be conducted. Necessity of keeping higher standards needs to be learned. Marketing assistances and financial support should be provided. Awareness programmes on quality upgradation and innovative technologies should be conducted. Technically qualified persons may be given handholding service.</p>

4. Existing Clusters of Micro and Small Enterprises

The District is having six major clusters.

4.1 Details of Major Clusters

4.1.1. Manufacturing Sector: All the above mentioned six clusters are belonging to manufacturing sector.

4.1.2. Service Sector: NIL**4.2. Details for Identified Clusters (as on 31.03.2019)**

The following tables show the existing status of each identified clusters in the District:

4.2.1 Name of the cluster: Kerala Furniture Consortium (P) Ltd

Sl No	Details	Remarks
1	Principal Products Manufactured in the Cluster	Furniture Items
2	Name of the SPV	Kerala Furniture Consortium (P) Ltd
3	No. of functional units in the cluster	33 Nos
4	Turnover of the Clusters	11.52 Crores
5	Value of Exports from the Clusters	Nil
6	Employment of the cluster	3000 Nos
7	Average investment in Plant and Machinery	2 Lakhs/unit
8	Testing Needs	Not Required
9	Thrust Area	Furniture items
10	Presence of capable Institutions	National Institute of Design, Ahamadabad
11	Access to export Market	NIL
12	Problems or Constraints	
Present Status		Working satisfactorily

Source: District Industries Centre, Ernakulam

4.2.2 Name of the cluster: Kalady Rice Millers Consortium (P) Ltd

Sl No	Details	Remarks
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1	Principal Products Manufactured in the Cluster	Rice, Rice Bran
2	Name of the SPV	Kalady Rice Millers Consortium (P) Ltd
3	No. of functional units in the cluster	40 Nos
4	Turnover of the Clusters	80.6 Crores
5	Value of Exports from the Clusters	Nil
6	Employment of the cluster	9000 Nos
7	Average investment in Plant and Machinery	1.25 crore/cent
8	Testing Needs	Research and Development Lab for Rice and Rice Bran Oil
9	Thrust Area	Rice, Rice Bran
10	Presence of capable Institutions	CSIR- National Institute of Interdisciplinary Science & Technology, Thiruvananthapuram.
11	Access to export Market	NA
12	Problems or Constraints	
Present Status		Working satisfactorily

Source: District Industries Centre, Ernakulam

4.2.3. Name of the cluster: Perumbavoor Plywood Manufactures Consortium (P) Ltd

Sl No.	Details	Remarks
1	Principal Products Manufactured in the Cluster	High density plywood & Resin, Plywood
2	Name of the SPV	Perumbavoor Plywood Manufactures Consortium (P) Ltd.
3	No. of functional units in the cluster	23 Nos
4	Turnover of the Clusters	1700 Crores
5	Value of Exports from the Clusters	No direct exporting
6	Employment of the cluster	21500 Nos.

7	Average investment in Plant and Machinery	1.25 Crore/unit/average
8	Testing Needs	Testing facility for plywood in ISI mode
9	Thrust Area	Plywood
10	Presence of capable Institutions	Indian Plywood Industries Research & Training Institute, Bangalore
11	Access to export Market	Nil
12	Problems or Constraints	
Present Status		Working Satisfactorily

Source: District Industries Centre, Ernakulam

4.2.4. Name of the cluster: Aluva Plastic Consortium (P) Ltd

Sl No	Details	Remarks
1	Principal Products Manufactured in the Cluster	Repairing and manufacturing of moulds and machine parts
2	Name of the SPV	Aluva Plastic Consortium (P) Ltd
3	No. of functional units in the cluster	26 Nos
4	Turnover of the Clusters	27.42 Crores
5	Value of Exports from the Clusters	Direct export: Nil
6	Employment of the cluster	3000 Nos.
7	Average investment in Plant and Machinery	12 Lakhs/unit/area
8	Testing Needs	Rupture capacity testing equipment required.
9	Thrust Area	Plastic Injection molded products
10	Presence of capable Institutions	NTTF, Nettoor & CBPST, Eloor, Ernakulam
11	Access to export Market	Potential in Africa and Middle East Countries

12	Problems or Constraints	
Present Status		Working Satisfactorily

Source: District Industries Centre, Ernakulam

4.3. Details for Identified Clusters

Name of the Cluster: **Paint Manufacturing Cluster**

Principal Products Manufactured in the Cluster	Paint
Name Of the SPV	SPV not formed
No.of functional units in the clusters	71
Turnover of the cluster	
Average investment in plant & Machinery	1 crore
Value of exports from the cluster	
Employment in cluster	
Testing needs	Need a Testing Lab
Thrust Area	
Presence of capable institutions	
Access to export Market	
Problems or Constraints	
Present status	Meeting held with Paint Manufactures, asked to submit the details like how much effluent being discharged by the members of the units.

Name of the clusters: **Wood Based Handicraft Cluster**

Principal Products	Wood Based Handicrafts
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Manufactured in the Cluster	
Name Of the SPV	SPV not formed
No.of functional units in the clusters	200
Turnover of the cluster	
Average investment in plant & Machinery	1 crore
Value of exports from the cluster	1200 Lakhs
Employment in cluster	300
Testing needs	
Thrust Area	
Presence of capable institutions	
Access to export Market	
Problems or Constraints	
Present status	Land Identified in Raymangalam, Perumbavoor, Ernakulam

Source: District Industries Centre, Ernakulam

5. General Issues raised by Industry Association during the Course of Meeting

Followings are the major issues raised in the District

- i. Lack of Co-operation between Industrial Units.
- ii. Low Cost items from China
- iii. Export/ Import policies
- iv. Pollution complaints from public- Renewal of licence from local boady
- v. Public Issues- various problems
- vi. Interference of various trade unions
- vii. Scarcity of Industrial Land.
- viii. Lack of financial support in time.
- ix. Lack of permanent Skilled Labour
- x. High Cost and shortage of power

- xi. High cost of production
- xii. Unawareness in respect of the modern technology
- xiii. Marketing
- xiv. License & clearance to start a Raw material bank to procure raw materials at subsidized rate for the upcoming entrepreneurs of micro small industrial sector.
- xv. To promote the sales of the upcoming entrepreneurs in the micro small industry sector, permanent sales depots should be put up.
- xvi. Traditional industries incorporated with new technologies should be used to set up sales and renovation/modernization strategies directly put up by the Industries department
- xvii. Specific Industrial zones are to be set up.
- xviii. Upgrade the present infrastructure facilities in Industrial Development areas/Development Plots to global standard
- xix. Procedure of Financial Institutions should be made easier through RBI
- xx. Procedure for renewal of license from other departments should be strictly based on the MSME part II.
- xxi. All licenses for MSMEs should be for 5 years and renewal of licenses also should for 5 years.
- xxii. Sanction the reimbursement of 50% VAT/CST paid, for a period of 5 years to New MSMEs.
- xxiii. Producing power from solar energy, bio-energy& micro-hydel projects should be given importance and priority

6. Steps to Set Up MSMES

Following are the brief description of different agencies for rendering assistance to the enterprises.

Table 12 Type of Assistance and Agencies

SI No:	Type of assistance	Name and address of agencies
1	Registration of Units under UAM	Micro small and Medium Enterprises Development Institute (MSME-DI) Ministry of MSME, Govt. of India Kanjany Road, Ayyanthole P.O. Thrissur-680 003 (Kerala) email. dcdi-thrissur@dcmsme.gov.in , website: www.msmedithrissur.gov.in Ph. 0487-2360536/0487-2360686

		District Industries Centre, Vellayil, Ernakulam, Pin: 673 011 Ph: 0495 - 2766035, Fax: 2766035 , E-mail: dicalicut@gmail.com
	Website for UAM Registration	udyogaadhaar.gov.in/UA/UdyogAadhar-New.aspx
2	Identification of Project Profiles, techno-economic and managerial consultancy services, market survey and economic survey reports.	Micro small and Medium Enterprises Development Institute (MSME-DI) Ministry of MSME, Govt. of India Kanjany Road, Ayyanthole P.O. Thrissur-680 003 (Kerala) Email: dc-di-thrissur@dcmsme.gov.in Ph. 0487-2360536/0487-2360686 website: www.msmedithrissur.gov.in
3	Land and Industrial shed	District Industries Centre, Vellayil, Ernakulam, Pin: 673 011 Ph: 0495 - 2766035, Fax: 2766035 , E-mail: dicalicut@gmail.com
		Director, Directorate of Industries and Commerce, Vikas Bhavan P.O., Thiruvananthapuram,Kerala, Phone: 0471-2302774/Fax. 0471-2305493, www.keralaindustry.org/Promotion DI&C.htm
		SIDCO, Shanthinagar, Thiruvananthapuram-695001, Ph.+91-471-322046/0471-330904, www.keralaindustry.org/promotional , SIDCO(Branch Office), Thrissur
		Managing director, Kerala Industrial Infrastructure Development corporation, KINFRA House, TC/31/2312, Sasthamangalam PO, Thiruvananthapuram-695010, Tel.0471-2726585/2724773,E.mail: kinfra@vsnl.com , Website: www.kinfra.org
		Development Commissioner, Cochin Special Economic Zone (CSEZ) Min. of Commerce, Govt. of India, Kakkanad, Kochi-682037, Ph. 0484-2413222,Fax. 0484-2413074, E.mail. dc@csez.cin , Website: www.csez.com
4	Financial Assistance	Banks, (Nationalised& Scheduled), Ernakulam

		SIDBI, Finance Tower, 2nd floor, PB No.4209, Kaloor, Kochi-17, Tel:2401792, 2401793, website: www.sibdi.com
		Industrial Finance Corporation of India, Panampilly Nagar, Kochi-36, Tel:0484-2311174, Industrial Finance Corporation of India, Panampilly Nagar, Kochi-36, Tel:0484-2311174, website: www.ifcilt.com
		Indian Renewable Energy Development Agency Ltd., Lodi Road, New delhi-110003, website: www.ireda.gov.in
		Kerala Venture Capital Fund P. Ltd., 604, Pioneer Towers, Marine Drive, Kochi - 682 031 Ph: (0484) 2361279, Fax: (0484) 2373077, E-mails: kvcf@vsnl.in and kvcfkochi@eth.net
5	For raw materials under Govt. Supply	SIDCO Raw Material Depot, TC 12/176, Industrial Estate, Ollur, Thrissur, Phone:0487-2352347, 9446331722, Email: olrsidco@yahoo.in website: www.keralasidco.com
		The State Trading Corporation of India Ltd. (KSHB) Office Complex, 4 th Floor, Panampilly Nagar, Kochi- 682036 , INDIA. Phone : +91-484-232147 0, 2311450 , 231508 1 Fax : +91-484-2322909 E-mail : cochin@stc.gov.in
6	Plant and machinery under hire / purchase basis.	NSIC Ltd, S-16, GCDA Complex, Marine Drive, Shanmugham Road, Cochin 682 031, Tel: 0484-2381850/2368149 ® 2366288, Fax: 0484-2380155, Email: bococh@nsic.co.in , website: www.nsic.co.in
7	Power/ Electricity	KSEB, Ernakulam
8	Technical Know -how.	District Industries Centre, Vellayil, Ernakulam, Pin: 673 011 Ph: 0495 - 2766035, Fax: 2766035 , E-mail: dicalicut@gmail.com

		<p>Micro small and Medium Enterprises Development Institute (MSME-DI) Ministry of MSME, Govt. of India Kanjany Road, Ayyanthole P.O. Thrissur-680 003 (Kerala) Email: dcdi-thrissur@dcmsme.gov.in Ph. 0487-2360536/0487-2360686 website: www.msmedithrissur.gov.in</p>
9	Quality & Standard	<p>Bureau of Indian Standards, Near FCI, Kesavadasapuram, Thiruvananthapuram, Ph. 2558416-18, E.mail: tbo@bis.org.in, Website: www.bis.org.in</p>
		<p>National Centre for HACCP Certification K-Bip, 'Sri Ganesh' TC IX/2197, Kurup's Lane, Sasthamangalam, Thiruvananthapuram-695 010, Tel. -471-2311882, Fax. 0471-2311883, Email: info@haccpindia.org website:www.haccpindia.org/www.keralaindustry.org</p>
		<p>Dy. Agricultural Marketing Advisor, Directorate of Marketing and Inspection, Kendriya Bhavan, Block A, Vith Floor, OPP. CSEZ, Kakkanad, Kochi-682037, Ph. 0484-2424794, Website: www.agmarknet.nic.in</p>
		<p>Micro small and Medium Enterprises Development Institute (MSME-DI) Ministry of MSME, Govt. of India Kanjany Road, Ayyanthole P. O. Thrissur-680 003</p>
10	Marketing /Export Assistance	<p>Development Commissioner, Cochin Special Economic Zone (CSEZ) Min. of Commerce, Govt. of India, Kakkanad,Kochi-682037, Ph. 0484-2413222, Fax. 0484-2413074, Email: dc@csez.com, Website www.csez.com</p>
		<p>Member Secretary, Kerala Export Promotion Council, T.C. 15/1399,'Karthika; Tagore Nagar, Cotton Hill Road,Vazhuthacaud,Thiruvananthapuram-695010, Ph. 04871-2726585/2724773, E.mail: kinfra@vsnl.com</p>

11	Other Promotional Agencies	<p>Kerala Bureau of Industrial Promotion, Kurup's Lane, Sasthamangalam P.O. Thiruvananthapuram - 695 010, Phone: 91 - 471 - 2311882, Fax: 2311883 , E-Mail: kbip@keralaindustry.org , bureau@vsnl.com, bureau@asianetindia.com website:www.keralaindustry.org</p>
		<p>KSIDC, 2nd Floor, Choice Towers, Manorama Junction, Kochi-682016 Ph:0484-2323010/2323101 (EPABX) Fax:0484-2323011 Email: ksidckochi@eth.net Website: www.ksidc.org</p>
		<p>KITCO Limited, PB No. 1820, Ravipuram, M.G. Road, Cochin-682016, website: www.kitco.in</p>
		<p>Manager-Business Development, Techno park Campus,Thiruvananthapuram-695581, Ph. 0471- 2700 222,E.mail: response@technopark.org</p>
12	Other Relevant Websites	<p>www.msme.gov.in</p> <p>www.dcmsme.gov.in</p> <p>www.dic.kerala.gov.in</p> <p>udyogaadhaar.gov.in/UA/UdyogAadhar-New.aspx</p>