



Government of India
Ministry of MSME

Brief Industrial Profile of Ernakulam
District 2016-17

Carried out by

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FOREWORD


MSME-DI, Thrissur, as part of its activities has prepared the District Industrial Profile of Ernakulam District during 2016-17. The objective to prepare the Industrial Profile of Ernakulam 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 & 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.

I also place on records my appreciation to Smt. Kathreenamma Sebastian, Deputy Director (E.I.) and Smt. Lachithamol U.C., Asst Director (E.I.) of this institute for their hard work in bringing out the report in this form.

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(P.V. Velayudhan)
Director

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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 2016-17

Sl No.	Name of Mineral	Production in tones
1	Granite Building Stone	11068923
2	Ordinary Earth	2262287
3	Latrite Building Stone	352336
4	Brick Clay	336616
5	Ordinary Sand	132829
6	Lime Shell	11124
7	River Sand	7943
8	Graphite	705

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 11 Municipalities namely Aluva, Angamaly, Kalamassery, Kothamangalam, Muvattupuzha, North Paravoor, Maradu, Perumbavoor, Thrikkakara, Thripunithura and Eloor. In Ernakulam there are 14 Development Blocks and 88 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	2017		
	i) Latitude			9 ⁰ 57' N
	ii) Longitude			76 ⁰ 15' E
	iii) Geographical Area		Hectares	305826
(B)	Administrative Units	2017		
	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			84

	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	2015-16	Hectare	305826
	ii) Forest cover	"	"	70617
	iii) Non Agriculture use Land	"	"	42941
	iv) Cultivable Barren Land	"	"	12402
	v) Total Cropped area	"	"	165536.31
4	Forest			
	(i) Forest	2015-16	Hectare	70617
<i>Source: Agricultural Statistics, 2015-16</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	2017	Kms	67
	V) Roads			
	(a) National Highway	2015-16	Kms	97.595
	(b) State Highway	31.03.2016	Kms	325.033
	(c) Major District Roads	31.03.2016	Kms	2760.075
	(d) Other district & Rural Roads	2011	Kms	147
	(e) Rural road/ Agriculture (Village roads)	2011	Kms	10003.325
	(f) Kachacha Road	31.03.2016	Kms	NA
	<i>Source: a,b,e: Panchayat Level Statistics, 2011; b & c : Economic Review, 2015-16</i>			
	VI) Communication			
	(a) Telephone connection (working landlines)	2015-16	Nos.	277802
	(b) Post offices	30.03.2016	Nos.	390
	(c) Telephone Exchanges	2015-16	Nos.	117
	(d) Density of Telephone (landline)	2015-16	Nos./1000 per	84.63
	(e) Density of Telephone (landline)	2015-16	No. per Sq.KM.	90.7
	(f) PCO Rural	2015-16	No.	NA
	(g) PCO STD	2015-16	No.	NA
	(h) Mobile	2015-16	No.	NA
	<i>Source: Economic Review, 2016</i>			
	VII) Public Health			
	(a) Allopathic Hospital	2016	No.	15
	(b) Beds in Allopathic hospitals	2016	No.	2865

(c) Ayurvedic Hospital	2016	No.	14
(d) Beds in Ayurvedic hospitals	2016	No.	310
(e) Unani hospitals		No.	NA
(f) Community health centers	2016	No.	23
(g) Primary health centers	2016	No.	42
(h) Dispensaries		No.	NA
(i) Sub Health Centres		No.	NA
(j) Private hospitals	2016	No.	60
<i>Source: Compiled from Economic Review 2016, Panchayat Level Statistics 2011 and DHS</i>			
VIII) Banking			
(a) Commercial Bank	2016-17	Nos.	965
(b) Rural Bank Products	2016-17	Nos.	NA
(c) Co-Operative bank products	2016-17	Nos.	NA
(d) PLDB Branches	2016-17	Nos.	NA
<i>Source: Economic Review, 2016</i>			
IX) Education			
(a) Lower Primary school	2016	Nos.	474
(b) Upper Primary school	2016	Nos.	203
(c) Secondary & Higher secondary Schools	2016	Nos.	531
(d) Colleges (except medical colleges)	2016	Nos.	57
(e) Technical University	2016	Nos.	NIL
<i>Source: Economic Review, 2016</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 31.03.2017)

Sl No	Name of Industrial Area	Land Acquired (in hectare)	Land Developed (in hectare)	Prevailing Rate Per SqM as on 1.10.2011 (in Rs)	No of Plots	No of allotted plots	No of Vacant Plots	No. of Units in Production
1	DA Edayar	435.29	435.29	1353	356	356	Nil	340
2	DA Aluva	57.82	57.82	12729	96	96	Nil	93
3	DA Angamaly	219.52	219.52	494	61	61	Nil	57
4	DA Vazhakulam	15.26	15.26	13048	40	40	Nil	40
5	DP Angamaly	31.91	31.91	494	58	58	Nil	53
6	DP Kalamassery	78.12	78.12	1826	183	183	Nil	178
TOTAL		837.92	837.92	-	794	794	-	761

Source: District Industries Centre, Ernakulam

3. Industrial Scenario of Ernakulam

3.1 Industry at a Glance

Table 4: Industry at a Glance (as on 31.03.2017)

Sl No	Head	Unit	Particulars
1	Registered Industrial Unit	No	21530
2	Total Industrial Unit	No	37130
3	Registered Medium Unit	No	92
4	Estimated Average No of Daily Worker employed in Small Scale Industries	No	79

5	Employment in Medium Industries	No	4428
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 31.03.2017)

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	1417	10105	28244.16
2016-17	526	2935	8571

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 31.03.2017)**

NIC CODE No	Type of Industry	No of Units	Investment (Lakhs Rs.)	Employment
20	Agro Based	2515	60718	15086
22	Soda Water	1045	1438	9518
23	Cotton Textile	1645	35143	14805
24	Woollen, Silk & artificial thread based clothes.	163	35964	8551
25	Jute & jute based	461	2357	8417
26	Ready-made garments & embroidery	1878	11688	26340
27	Wood/wooden based furniture	1141	27450	19123
28	Paper & Paper products	170	4250	1530
29	Leather based	107	3790	2078
31	Chemical/Chemical based	389	15772	5710
30	Rubber, Plastic & petro based	536	17292	6093
32	Mineral Based	44	1177	396
33	Metal based (Steel Fab.)	228	7650	2430
35	Engineering units	2343	58798	9913
36	Electrical machinery and transport equipment	371	11517	6701
97	Repairing & Servicing	8025	153323	28628
01	Others	1852	98583	42318
TOTAL		22913	546910	207637

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 31.03.2016.

Table 7: Large Scale Industries - Private (as on 31.03.2017)

Sl.No	Name of Enterprise	Product
1	Abad C Food Canning Co. Pvt. Ltd. Kakkanad	Canning of Tuna Fish, Canning of Seer Fish
2	Alliance BPO International, Kakkanad	Back office operations with data
3	AM Power Cord Corporation, Kakkanad	Elastic Cord
4	Ashwin Gold Pvt. Ltd, Kakkanad	Gold Garments
5	Carborandum Universal Ltd, Kakkanad	Silicon Carbide Micro grains
6	Chkiath Motor works Pvt. Ltd	Bus Body building
7	CII Guardian international	Relays & Other parts
8	Classic Home Furnishing Pvt. Ltd, Kakkanad	Design Printed Jute Carpets, PVC Backed Coir Doormat, Dyed Woven Products
9	Content Management Solutions, Kakkanad	Software Development
10	Crossings International Distributions, Kakkanad	Confectionary items, Cosmetics
11	D A R Paradise	Mix Gold & Diamond Jewellery, Precious
12	Data Mate Info Solutions, Kakkanad	Computer Software
13	Docustre India Technologies, Kakkanad	Image Processing and data capture
14	Edaran Precision India Ltd. Kakkanad	High Precision Connector, Injection Moulds, High precision Moulds
15	FCI OEN connectors, Kakkanad	Connectors, Accessories, components

16	Fore Front Solutions Consultancies, Kakkanad	Enabled Services
17	Forever Precious Jewellery and Diamond Ltd, Kakkanad	Plain Jewellery cut and polished diamonds
18	Global Wave Technologies Pvt. Kakkanad	Flat panel Broad Band Antennas systems
19	Green Band Foods Ltd, Kakkanad	Breaded fish and meat products
20	HT Foods Pvt. Ltd, Kakkanad	Fish and Frozen Marine Foods
21	JR Diamonds Pvt. Ltd, Kakkanad	Plain Jewellery Cut and polished Diamonds
22	J.V. Gokal & Co.Pvt.Ltd, Kakkanad	Bulk Tea, tea Bags, Packet Tea
23	Janatha Machines, Kakkanad	Chocolate Fountain
24	Kalyan Exporters & Importers, Kakkanad	Gold Bangles, Gold Chain, Gold Ear Ring
25	Kohinoor Diamonds Pvt.Ltd, Kakkanad	Gold medalinans and plain gold jewellery
26	Kosmic Technologies, Kakkanad	Refurbishing, Assembling, Testing
27	L.J. International Ltd, Kakkanad	Tissue culture Live Plants
28	Magnum Aviation Pvt. Ltd, Kakkanad	Aircraft Engines & components
29	MTV Jewellers Pvt. Ltd. kakkanad	Manufacture of Jewellery
30	OEN India Ltd, Kakkanad	Engineering works
31	Opterna Technologies Pvt., Kakkanad	Engineering works
32	Primus Gloves (P) Ltd, Kakkanad	Latex & Polymer Gloves
33	Proficient Automation & controls Pvt.Ltd, Kakkanad	Electrical Goods, Control panels, PVC
34	Project Garments Ltd. Kakkanad	Readymade Garments
35	Rajesh exports Ltd,	Gold Jewellery Articles & Medallions
36	Safe care rubber Products, Kakkanad	Latex Examination Gloves, Latex Surgical

37	Safe shield India Rubber Products, Kakkanad	Powder free latex gloves & powder free nitrite gloves
38	Skylark in flight duty free services, Kakkanad	Alcohol, cosmetics, electronics, gift pack
39	Sutherland global service Pvt.Ltd, Kakkanad	IT enabled services
40	Trex tyres India Pvt. Ltd, Kakkanad	Retreaded Tyres
41	Appolo Tyres, Kalamassery	Tyre
42	Muthoot Technology, Kakkanad	Engineering
43	Hindustan Lever Ltd, EKM	Bread, Soap etc
44	Waves Electronics Pvt. Ltd, Kaloor	Battery Charges with spares and Annunciates, Alarm Hooter
45	Wellefit Auto Care Industries, Kakkanad	Automobile Seat Cover, Automobile steering cover

Source: District Industries Centre, Ernakulam

Table 8: Large Scale Industries - PSUs (as on 31.03.2017)

Sl.No	Name of Enterprise	Product
1	Forest Industries (Travancore) Ltd, Aluva	Wood based
2	Meat products of India, Koothattukulam	Meat Products
3	Kerala State Bamboo Corporation	Bamboo ply
4	Kerala State Bamboo Board Factory	Bamboo ply
5	Kerala Agro Machinery Corporation Ltd	Engineering
6	Kerala State Civil Supplies Corporation Ltd	Trading
7	Kerala State Construction Corporation Ltd	Engineering
8	Maritime Development Corporation Ltd	Public Utilities
9	Kerala Electrical & Allied Engineering	Electrical Equipments
10	Roads & Bridges Corporation of Kerala Ltd	Public works
11	HMT, Kalamassery	Machine Tools

12	Kerala State Printing & Publishing Kakkanad	Printing
13	IOC(Bottling Plant) Udayamperoor	LPG
14	Kerala Electrical Ltd.Kunnathunad	Electrical
15	FACT Ambalamugal	Chemical
16	Travancore Cochin Chemicals,UDL	Hydrochloric Acid
17	FACT, UDL	Sulphuric Acid
18	FACT, UDL	Sulphur Dioxide Acid
19	FACT, UDL	Ammonium Sulphate
20	FACT, UDL	Ammonia Liquid
21	FACT, Petro Chemicals	Caprolactum
22	IRE, Eloor,UDL	Mining and separation of Heavy Minerals
23	IAC, Eloor	
24	Traco Cable Company Ltd	Electrical Equipments
25	Transformers and Electricals Kerala Ltd	Electrical Equipments
26	Travancore Cochin Chemicals	Chemical Industry
27	Kerala State Warehousing Corporation	Agro Based
28	KITCO Ltd	Engineering
29	Kerala State Inland Navigation Corporation	Inland transport
30	Kerala chemicals and proteins Ltd	Gelatine, Ossian
31	Hindustan Organic Chemicals Ltd.	Chemicals, Dyes. And Drugs
32	Hill Life Care Ltd, Kakkanad	Packing of Natural Rubber Latex Condoms etc

Source: District Industries Centre, Ernakulam

3.5 Major Exportable Item

The Major exportable items are listed below:

Table No 9 : Exportable Items

Sl No	Product
1	Tea
2	Cashew
3	Coir Products
4	Coffee
5	Sea Food Product
6	Spices
7	Vanilla
8	Agro Products
9	Electronics Hardware
10	Engineering
11	Garments
12	Gem and Jewellery
13	IT and ITes
14	Plastic and Rubber Products
15	Service
16	Trading
17	Textiles and Garments

Source: District Industries Centre, Ernakulam

3.6 Growth Trend

There is a positive trend.

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 31.03.2017)

Sl No	Name of firm	Product	Value of Plant and Machinery (Rs)	Employees (No)
1	J.K. Constructions	Real Estate Service	3,00,00,000	20
2	Trans Castle, Maradu	Data Processing	5,91,00,000	17
3	Social Saw Mills, Kalamassery	Wooden chair, Window	5,50,00,000	115
4	National Paints Factories	Paint	5,00,00,000	55
5	Pee Vees 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 contraceptive, 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	Plywood, Blocks Wooden	5,35,00,000	12
10	Malaya Rub Tech Industries, IDA, Edayar	Insulation Sheets and Board Rubber	5,45,00,000	60
11	Diamond Food Products	Broken Rice, Rice Bran, Paddy Husk	7,55,00,000	16
12	Resitech Electricals, IDA, Aluva	Transformers 11 kv except for captive consumption	6,25,00,000	12
13	Lachmandas & Company, Doraiswamy road, Kochi	Wholesale Trade Services	3,35,00,000	155
14	Eastern Condiments Pvt. Ltd. Kavalangad, EKM	Coffee Grinding	6,57,00,000	31
15	Tropicana World Trade Pvt.Ltd	Bakery Products	5,75,00,000	09

16	Kunnel Enginners & Contractors Pvt.Ltd.	Technical Consultancy Services, Construction work for Building	4,86,00,000	34
17	CAP Sea Foods Pvt.Ltd	Frozen Marine Products	4,75,00,000	79
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	General Construction work for Building	5,80,00,000	23
21	Pai & Company Printing Division Jew Street	Offset printing, Books Binding, Computer Designing	1,00,00,000	08
22	Siggil Industrial Gases	Carbon Dioxide solid, Carbon Dioxide Gas	5,17,00,000	08
23	J & A Foundations Pvt Ltd	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	Printing Machines, Reprographic Machine	7,10,00,000	10
26	Choice Blocks	Cement Product and others	5,80,00,000	10
27	Fathima Aluminium Rolling Mill	Aluminium Plate, Sheets Strips	5,00,00,000	08
30	Leetha Industries	Paper Cups	6,00,00,000	80
31	CII Guardian International Ltd	Electro Magnetic Separators	5,48,00,000	212
32	Kitex Ltd	Readymade Garments	11,00,00,000	900
33	BEO Software Pvt Ltd	Software Development	2,00,00,000	75
34	Akay Flavours and Aromatics Pvt Ltd	Natural Essential Oils and Extracts	6,75,00,000	46
35	High Build Coatings	Paints	6,75,00,000	97
36	Beena Apparels	Shirts	6,64,00,000	60
37	Malabar Spice Processors	Curry Powder, Masala Mix, Dried spices	3,45,00,000	11
38	Poly Formalin Ltd	Formaldehyde, Amino Resins	4,60,00,000	13
39	Microtrol Sterilization Service	Sterilization Service	5,00,00,000	10
40	Bramasco Garments Pvt Ltd	Woven Sacks	5,00,00,000	108

41	Thulabhavan	Electronic Components	5,03,00,000	6
43	Cochin Bakery	Bakery products	4,76,00,000	22
44	Alpha Paints	Paints, Varnish	6,18,00,000	8
45	JJ Confectionary Pvt Ltd	Sweet meat	5,50,00,000	180
46	Logic Pond Technologies pvt Ltd	Software Development	8,80,00,000	8
47	Jyothis Industries	Cosmetic and Toiletries	5,00,00,000	11
48	VC Pharmaceuticals	Vetenary Preparations	3,00,00,000	11
49	Hi Build Coatings Pvt Ltd	Paints, Varnish	5,00,00,000	58
50	Print N Unity	Printing and other activities	5,90,00,000	5
51	Silpi Agrotech Pvt Ltd	Cattle Feed	5,00,00,000	36
52	Kerala Lubricants and Chemicals	Electrical Capacitors	5,25,00,000	06
53	Thaliath Jewellers	Gold, Silver, metal Jewellery	5,00,00,000	35
54	Akshaya Info	Software Development	6,00,00,000	05
55	Meh Roof Polymers Rayonpuram	Other Plastic Product	5,00,00,000	12
56	Sreekamakashi Production, Edappally	Other grain Milling & Process Activities	8,00,00,000	20
57	Resitech Electricals, Vazhakulam	Transformer	7,25,00,000	10
58	Ibsons Industries, Kunnuthunad	Plywood	5,12,00,000	10
59	Premier Aluminium Industries	Aluminium based products	6,50,00,000	18
60	Lucia Industries	Paper containers and boxes	7,50,00,000	26
61	S.T. Redias & Sons Veekashanam	Printing Press	2,19,00,000	37
62	BGR Hotels	Food Products	5,32,00,000	39
63	Herbal Isolate Pvt.Ltd	Mustard Oil, green Pepper	6,25,00,000	21
64	Kaveri Pet & Polyforms Ltd	Moulded Furniture Paint , Aluminuim Composite panels	9,90,00,000	110

65	Grove Limited	Banana Chips, Cashew nut Fried	5,47,00,000	50
66	Spectrum Soft tech Solutions	Medical Transcription	7,90,00,000	210
67	Delta Wood Panels	Treated Rubber Wood Products	5,00,00,000	20
68	Vysali Pharmaceutic als, Edathala	Parenteral capsules, dry syrup	6,86,00,000	138
69	Mediscan, Palarivattom	X-Ray and Full Body scan	5,00,00,000	38
70	Alappat Jewels, Kochi	Jewellery, Gold	3,60,00,000	55
71	AB Mauri India Pvt. Ltd, Kakkanaad	Spice Products	3,31,56,000	87
72	Kerala Furniture Consortium	Furniture wood, MDF	6,00,00,000	43
73	Koder House, Kochi	Restaurant, Lodging	4,00,00,000	31
74	A Geeri Pai Gold Diamond	Gold Diamonds, Stones	7,00,00,000	31
75	Sea Blue Shipyard Kochi	Ship Building	9,00,00,000	60
76	Gramox Paper & Boards, Kochi	Paper & Paper Boards	6,47,00,000	160
77	Mercham Limited	Rubber Chemicals	7,45,00,000	141
78	Enitechs, Irumpanam	Grill, Gate	5,00,00,000	10
79	Souriau India Pvt.Ltd	Connectors & Components	5,52,00,000	80
80	MAS Plywoods	Plywood and veneer sheets	5,50,00,000	12
81	Kalady Rice Millers, Kalady	Refined Rice Bran Oil	6,59,80,000	33
82	Eastern Condiments, Edappaly	Spices & Spices mixes	9,20,00,000	307
83	Metro mSand Industries Kalady	M Sand, M Sand Fine	5,57,00,000	12
84	PDDp central Society, Kalady	Milk Products & Ice cream	5,00,50,000	119
85	Popular motor World Pvt. Palarivattom	Servicing of card	6,00,00,000	249
86	Ned spice Processing Ltd	Whole/Ground Sterilised Spice	6,27,00,000	45
87	Abad Motels and Resorts	Hotels & Restaurant	3,82,00,000	48

88	Synthite Industries	Capsicum, Cardamom	6,78,00,000	559
89	Parackal Granite Kerala	Granit Metal, Baby Metal, M Sand	7,00,00,000	16
90	SR Ventures	Housekeeping, Manpower Supply	5,00,00,000	88

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

SI 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 turn over 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

- i. Garment Manufacturing
- ii. Food Processing
- iii. Metal based
- iv. Rubber base
- v. Chemical based
- vi. Electronic Goods
- vii. Plastic based
- viii. Bio Technology
- ix. Tourism & Healthcare

4. Existing Clusters of Micro and Small Enterprises

The District is having six major clusters.

4.1 Details of Major Clusters

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

4.9.2. Service Sector: NIL

4.2 Details for Identified Clusters (as on 31.03.2017)

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	48 Nos
4	Turnover of the Clusters	11.52 Crores
5	Value of Exports from the Clusters	Nil
6	Employment of the cluster	192 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	High Rate of Tax for products; Small sized kiln required (200 Cub ft) Machinerics used in the sector is outdated.
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
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	1600 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	The existing solvent extraction Plant 10 years old. Hence the efficiency is low; Modern drying facility
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	425 Nos
4	Turnover of the Clusters	1700 Crores
5	Value of Exports from the Clusters	No direct exporting
6	Employment of the cluster	8000 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	Import duty rate of soft wood is to be reduced; Industrial urea is to be supplied through Government agencies such as SIDCO; High quality formalin can be produced using Nano technology, hence there is a need for improvement in technology
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	Mould, Dies (SPV) Plastic Injection Moulded Product
2	Name of the SPV	Aluva Plastic Consortium (P) Ltd
3	No. of functional units in the cluster	225 Nos
4	Turnover of the Clusters	27.42 Crores
5	Value of Exports from the Clusters	Direct export: Nil
6	Employment of the cluster	1355 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	Lack of skilled workers and unskilled workers; Price Fluctuations of raw materials in connection with Petroleum products; Timely availability; Restriction in import of recyclable waste plastic; Shortage of Mould; Limitation in the existing raw material bank/ mould bank

Present Status	Working Satisfactorily
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Source: District Industries Centre, Ernakulam

4.2.5. Name of the cluster: Cochin Footwear Consortium (P) Ltd

Sl No	Details	Remarks
1	Principal Products Manufactured in the Cluster	Hawai EVA Chappal
2	Name of the SPV	Cochin Footwear Consortium (P) Ltd
3	No. of functional units in the cluster	Two
4	Turnover of the Clusters	5 Lakhs
5	Value of Exports from the Clusters	Nil
6	Employment of the cluster	16 Nos
7	Average investment in Plant and Machinery	8 Lakhs
8	Testing Needs	N.A
9	Thrust Area	Hawai Eva Chappal
10	Presence of capable Institutions	No Such Institution
11	Access to export Market	NIL
12	Problems or Constraints	Not getting business orders
Present Status		Not Working

Source: District Industries Centre, Ernakulam

4.2.6. Name of the cluster: Mahila Apparals (P) Limited

Sl No	Details	Remarks
1	Principal Products Manufactured in the Cluster	Readymade Garments, Non woven fabric dresses
2	Name of the SPV	M/s. Mahila Apparals (P) Limited

3	No. of functional units in the cluster	23
4	Turnover of the Clusters	2.3 Crores
5	Value of Exports from the Clusters	Nil
6	Employment of the cluster	161 Nos
7	Average investment in Plant and Machinery	5 lakhs / Unit
8	Testing Needs	Fabric Quality Testing Equipments
9	Thrust Area	Readymade Garments, Non woven fabric dresses
10	Presence of capable Institutions	National Institute of Fashion Technology, Kannur
11	Access to export Market	Have potential in Gulf Market
12	Problems or Constraints	Non availability of Marketing sector study report; Shortage in sufficient working capital; Non assess of skilled labour force; Policy to be revised in favour of women entrepreneurs

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.	<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>
3	Land and Industrial shed	<p>District Industries Centre, Vellayil, Ernakulam, Pin: 673 011 Ph: 0495 - 2766035, Fax: 2766035 , E-mail: dicalicut@gmail.com</p> <p>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</p> <p>SIDCO, Shanthinagar, Thiruvananthapuram-695001, Ph.+91-471-322046/0471-330904, www.keralaindustry.org/promotional, SIDCO(Branch Office), Thrissur</p> <p>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</p> <p>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</p>
4	Financial Assistance	<p>Banks, (Nationalised& Scheduled), Ernakulam</p> <p>SIDBI, Finance Tower, 2nd floor, PB No.4209, Kaloor, Kochi-17, Tel:2401792, 2401793, website: www.sibdi.com</p> <p>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</p>

		<p>Indian Renewable Energy Development Agency Ltd., Lodi Road, New delhi-110003, website: www.ireda.gov.in</p>
		<p>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</p>
5	For raw materials under Govt. Supply	<p>SIDCO Raw Material Depot, TC 12/176, Industrial Estate, Ollur, Thrissur, Phone:0487-2352347, 9446331722, Email: olrsidco@yahoo.in website: www.keralasidco.com</p>
		<p>The State Trading Corporation of India Ltd. (KSHB) Office Complex, 4th Floor, Panampilly Nagar, Kochi- 682036 , INDIA. Phone : +91-484-232147 0, 2311450 , 231508 1 Fax : +91-484-2322909 E-mail : cochin@stc.gov.in</p>
6	Plant and machinery under hire / purchase basis.	<p>NSIC Ltd, S-16, GCDA Complex, Marine Drive, Shanmugham Road, Cochin 682 031, Tel: 0484-2381850/2368149 @ 2366288, Fax: 0484-2380155, Email: bococho@nsic.co.in, website: www.nsic.co.in</p>
7	Power/ Electricity	<p>KSEB, Ernakulam</p>
8	Technical Know –how.	<p>District Industries Centre, Vellayil, Ernakulam, Pin: 673 011 Ph: 0495 - 2766035, Fax: 2766035 , E-mail: dicalicut@gmail.com</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 (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>

		Manager-Business Development, Techno park Campus,Thiruvananthapuram-695581, Ph. 0471- 2700 222,E.mail: response@technopark.org
12	Other Relevant Websites	www.msme.gov.in
		www.dcmsme.gov.in
		www.dic.kerala.gov.in
		udyogaadhaar.gov.in/UA/UdyogAadhar-New.aspx