



Government of India
Ministry of MSME

Brief Industrial Profile of Ernakulam District **2015-16**



सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES

Carried out by

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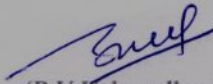
FOREWORD

MSME-DI, Thrissur, as part of its activities has prepared the District Industrial Profile of Ernakulam District during 2015-16. 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 DIC, Ernakulam, officials of State Planning Board, Economic and Statistics Dept., Kerala, Dept of Mining 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, Asst Director Gr.I(E.I.) and Smt. C.S.Anusha, Asst Director(E.I.) of this institute for their hard work in bringing out the report in this form.


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Director

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Brief Industrial Profile of Ernakulam District

1. General Characteristics of the District

Ernakulam District is a district of the state of Kerala in southern India. The 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. The language people speak in Ernakulam is Malayalam which is the mother-tongue of the State of Kerala.

1.1 Location & Geographical Area

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 Kothamangalam 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. Like wise Graphite deposits are spread in Peringala, Nirampuzha, Aroli, Vadakode and Nagapuzha.

PRODUCTION OF MINERAL 2015-16

S.NO.	NAME OF MINERAL	PRODUCTION in tones 2010-2011
MAJOR MINERAL		
1.	Granite Building Stone	6658934
MINOR		
1.	.Laterite	392875
2.	Ordinary Sand	57143
3.	River Sand	5044
4.	Ordinary Earth	1304006
5.	Brick Clay	920

SOURCE:- DEPT. OF MINERAL & GEOLOGY.,

1.4 FOREST

The Malayattoor high range and northern and northeastern tip of the Muvattupuzha and Kothamangalam Taluk formed the forest area of the district. Area under forest is 70617 hectares

1.5 Administrative set up

Ernakulam district has 2 revenue divisions namely Fort Kochi and Muvattupuzha. There are 7 taluks and 124 villages. The 7 administrative taluks in Ernakulam are Aluva, Kunnathunadu, Kochi, Kanayannur, Kothamangalam, Muvattupuzha and Paravoor. 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

S.N o	Particular	Year	Unit	Statistics
1	Geographical features			
(A)	Geographical Data		Latitude	9°57' N;
	i) Latitude	2015-16	Longitude	76 °15' E
	ii) Longitude	2015-16	Ha.	305826
	iii) Geographical Area	2015-16		
(B)	Administrative Units		Nos	-
	i) Sub divisions			
	ii) Tehsils	2015-16	Nos	7
	iii) Sub-Tehsil		Nos	-
	iv) Patwar Circle		Nos	-
	v) Panchayat Simitis		Nos	-
	vi) Nagar nigam		Nos	1
	vii) Nagar Palika			13
	viii) Gram Panchayats	2015-16	Nos	84
	xi) Revenue villages	2015-16	Nos	124
	x) Assembly Area	2015-16	Nos	14
2.	Population			
(A)	Sex-wise			
	i) Male	2011		1,617,602
	ii) Female	2011		1,662,258
(B)	Rural Population	2011		1,047,296
3.	Agriculture			
A.	Land utilization			
	i) Total Area	2015-16		305826

	ii) Forest cover	2015-16	Hectare	70617
	iii) Non Agriculture Land	2015-16	“	42491
	iv) uncultivable Barren land	2015-16	“	325
4.	Forest			
	(i) Forest	2015-16		770617
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
	iv) Railways			
	i) Length of rail line	2014-15	Kms	67
	V) Roads			
	(a) National Highway	2010-11	Kms	97.595
	(b) State Highway	2014-15	Kms	325.206
	(c) Main District Highway	2014-15	Kms	2815.55
	(d) Other district & Rural Roads	2010-11	Kms	147
	(e) Rural road/ Agriculture Marketing Board Roads	2010-11	Kms	10003.325
	(f) Kachacha Road	2010-11	Kms	-
	(VI) Communication			
	(a) Telephone connection	2015-16		273917
	(b) Post offices	2010-11	Nos.	
	(c) Telephone center	2010-11	Nos.	89
	(d) Density of Telephone	2014-15	Nos./1000 person	312*
	(e) Density of Telephone	2015-16	No. per SQ KM.	186*
	(f) PCO Rural	2015-16	No.	
	(g) PCO STD	2015-16	No.	

(h) Mobile	2015-16	No.	
(VII) Public Health			
(a) Allopathic Hospital	2014-15	No.	7
(b) Beds in Allopathic hospitals	2014-15	No.	2885
(c) Ayurvedic Hospital	2014-15	No.	13
(d) Beds in Ayurvedic hospitals	2014-15	No.	280
(e) Unani hospitals			-
(f) Community health centers	2014-15	No.	23
(g) Primary health centers	2014-15	No.	42
(h) Private hospitals	2014-15		60
(VIII) Banking commercial			
(a) Commercial Bank	2014-15	Nos.	932
(b) rural Bank Products	2015-16	Nos.	-
(c) Co-Operative bank products	2015-16	Nos.	-
(d) PLDB Branches	2015-16	Nos.	
(IX) Education			-
(a) Primary school	2015-16	Nos.	675
(b) Middle schools	2015-16	Nos.	320
(c) Secondary & senior secondary schools	2015-16	Nos.	209
(d) Colleges	2015-16	Nos.	57
(e) Technical University	2015-16	Nos.	-

Source: Census 2011, Economic Review 2015(Kerala), Livestock Census:2012, Official Website of Ernakulam District, Agricultural statistics 2014-15, Panchayath Statistics of Ernakulam 2011

*Data of Ernakulam SSA which includes Idukki and Lakshadweep--separate data not available

2.1 Existing Status of Industrial Areas in the Ernakulam District(as on 31/03/16)

S. No .	Name of Ind. Area	Land acquired (In hectare) In Acre	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	D A Aluva	57.82	57.82	12729	96	96	Nil	93
3	D A Angamaly	219.52	219.52	494	61	61	Nil	57
4	D A Vazhakulam	15.26	15.26	13048	40	40	Nil	40
5	D P Angamaly	31.91	31.91	494	58	58	Nil	53
6	D P Kalamassery	78.12	78.12	1826	183	183	Nil	178
	Total	837.92	837.92		794	794		761

3. INDUSTRIAL SCENERIO OF ERNAKULAM DISTRICT

3.1 Industry at a Glance(as on 31/03/2016)

Sr No	Head	Unit	Particulars
1.	REGISTERED INDUSTRIAL UNIT	No	21004
2.	TOTAL INDUSTRIAL UNIT	No	34863
3.	REGISTERED MEDIUM UNIT	No	89

4.	ESTIMATED AVG. NO. OF DAILY WORKER EMPLOYED IN SMALL SCALE INDUSTRIES	No	24. 6
.	EMPLOYMENT IN MEDIUM INDUSTRIES	No	4355
6.	NO. OF INDUSTRIAL AREA	NO.	6 (DA& DP)
7.	TURNOVER OF SMALL SCALE IND.	Rs.IN LACS	Not available
8.	TURNOVER OF MEDIUM & LARGE SCALE INDUSTRIES	Rs.IN LACS	Not available

3.2 YEAR WISE TREND OF UNITS REGISTERED (*as on 31/03/2016*)

Sl.No	YEAR	NUMBER OF REGISTERED UNITS	EMPLOYMEN T	INVESTMENT (lakh Rs.)
1	2006-07	258	3255	7870.36
2	2007-08	2852	34557	86277.23
3	2008-09	3185	23960	60586.34
4	2009-10	2239	20720	64858.88
5	2010-11	2236	25031	58021.17
6	2011-12	2098	20449	54071.96
7	2012-13	1943	18536	45144.56
8	2013-14	2484	20170	57419.05
9	2014-15	2292	15892	45882.41
10	2015-16	1417	10105	28244.16
	Total	21004	192675	508376.62

Source: DIC Ernakulam

3.3 DETAILS OF EXISTING MICRO & SMALL ENTERPRISES AND ARTISAN UNITS IN THE DISTRICT(as on 31/03/2016)

NIC CODE NO.	TYPE OF INDUSTRY	NUMBER OF UNITS	INVESTMENT (Lakh Rs.)	EMPLOYMENT
20	Agro based	2332	56300	13988
22	Soda water	1045	1438	9518
23	Cotton textile	1375	29375	12375
24.	Woolen, silk & artificial Thread based clothes.	163	35964	8551
25.	Jute & jute based	461	2357	8417
26.	Ready-made garments & embroidery	1608	10008	22553
27.	Wood/wooden based furniture	1008	24250	16894
28.	Paper & Paper products	131	3275	1179
29.	Leather based	96	3400	1864
31.	Chemical/Chemical based	357	14475	5241
30.	Rubber, Plastic & petro based	513	16550	5832
32.	Mineral based	44	1177	396
33.	Metal based (Steel Fab.)	228	7650	2430
35.	Engineering units	2097	52625	8873
36.	Electrical machinery and transport equipment	331	10275	5979
97.	Repairing & servicing	7363	140675	26267
01.	Others	1852	98583	42318
	Total	21004	508377	192675

Source: DIC Ernakulam

3.4 Large Scale Industries / Public Sector undertakings (as on 31/3/2016)

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	Backoffice 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 Micrograins
6	Chkiath Motor works Pvt.Ltd	Bus Body building
7	CII Guardian international	Relays & Other parts
8	Classic Home Furnishing Pvt.Ltd, Kakkanad	Design Printd Jute Carpets, PVC Backed Coir Dormat, Dyed Wover Products
9	Content Management Solutions, Kakkanad	Software Development
10	Crossings International Distributions, kakkanad	Confectionary items, Cosmestics
11	D A R Paradise	Mix Gold & Diamond Jewellery,Precious
12	DataMate 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	ForeFront Solutions Consultancies, Kakkanad	Enabled Services
17	Forever Precious Jewellery and Diamond Ltd, Kakkanad	Plain Jewellery cut and polished diamonds
18	Global Wave Techonologies Pvt. Kakkanad	Flat panel Broad Band Antennas systems
19	GreenBand Foods Ltd, kakkanad	Breaded fish and meat products
20	Hill Lifecare Ltd, Kakkanad	Packing of Natural Rubber Latex Condoms etc
21	HT Foods Pvt. Ltd, kakkanad	Fesh and Frozen Marinr Foods
22	JR Diamonds PVt. Ltd, Kakkanad	Plain Jewellery Cut and polished Diamonds
23	J.V. Gokal & Co.Pvt.Ltd, Kakkanad	Bulk Tea, tea Bags, Packet Tea
24	Janatha Machines, kakkanad	Chocolate Fountain
25	Kalyan Exporters & Importers, Kakkanad	Gold Bangles, Gold Chain, Gold Ear Ring
26	Kohinoor Diamonds Pvt.Ltd, Kakkanad	Gold medalinans and plain gold jewellery
27	Kosmic Technologies, Kakkanad	Refurbishing, Assembling, Testing
28	L.J. International Ltd, kakkanad	Tissue culture Live Plants
29	Magnum Aviation pvt.Ltd, Kakkanad	Aircraft Engines & components
30	MTV Jewellers Pvt. Ltd. kakkanad	Manufacture of both plain and studded jewellery
31	OEN India Ltd, Kakkanad	Enginnering works
32	Opterna Technologies pvt., kakkanad	Engineering works
33	Primus Gloves (P) Ltd, Kakkanad	Latex & Polymer Gloves
34	Proficient Automation & controls Pvt.Ltd, kakkanad	Electrical Goods, Control panels, PVC

35	Project Garments Ltd. Kakkanad	Ready made Garments
36	Rajesh exports Ltd,	Gold Jewellery Articles & Medallions
37	Safecare rubber Products, Kakkanad	Latex Examination Gloves, Latex Surgical
38	Safeshield India Rubber Products, Kakkanad	Powder free latex gloves & powder free nitrite gloves
39	Skylark in flight duty free services , Kakkanad	Alcohol, cosmetics, electronics, gift pack
40	Sutherland global service pvt.ltd, Kakkanad	IT enabled services
41	Trex tyres India pvt.Ltd,Kakkanad	Retreaded Tyres
42	Appolo Tyres, Kalamassery	Tyre
43	Muthoot Technology, Kakkanad	Engineering
44	Hindustan Lever Ltd,EKM	Bread, Soap etc
45	HLL Life Care Ltd, Ernakulam	Latex Products
46	Waves Electronics Pvt.Ltd, Kaloor	Battery Charges with spares and Annunciators, Alarm Hooter
47	Wellefit Auto Care Inustries, Kakkanad	Automobile Seat Cover, Automobile steering cover

Source: DIC Ernakulam

List of units under public sector(aqs on 31/03/2016)

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.ANGAMALY	Bamboo ply
4	Kerala State Bamboo Board Factory, Angamaly	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 .Irumbanam	Electrical Equipments
10	Roads & Bridges Corporation of Kerala Ltd	Public works

11	HMT, Kalamassery	Machine Tools
12	Kerala State Printing & Publishing Kakkanad	
13	IOC(Bottling Plant) Udayamperoor	
14	Kerala Electrical Ltd.Kunnathunad	
15	FACT Ambalamugal	
16	TravancoreCochin 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	
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 Coporation	Agro Based
28	KITCO Ltd	
29	Kerala State Inland Navigation Corporation	Inland transport
30	Kerala chemicals and proteins ltd	Gelatin, ossein
31	Hindustan Organic Chemicals Ltd.	Chemicals, Dyes. And Drugs

Source: DIC Ernakulam

3.5 Major Exportable Item

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: DIC Ernakulam

3.6 Growth Trend

Positive

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: DIC Ernakulam

3.8. Medium Scale Enterprises(as on 31/03/2016)

3.8.1 List of Medium Scale Enterprises

Sl. no	Name of Enterprise	Product	Value of P&M/c (Rs in Crore)	Employees (Nos)
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 hair 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 Stechnologies and solutions Pvt.Ltd.	Software Development,	8,80,00,000	16
7	Hankook Latex	Condoms,Otherdipped Latex	5,90,00,000	51

	Pvt.Ltd. Irapuram	products except Contraceptives,R ubber Hose		
8	P T Antony & Sons Alappat Fashion Jewellery, Broadway, Ernakulam	Jewellery Ornament , Gold Others	5,00,00,000	31
9	Win Ply And Boards, Kothamangal am	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	Diamon 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. Veriyakadav u	Bakery Products	5,75,00,000	09
17	Kunnel Enginners&	Technical Consultancy	4,86,00,000	34

	Contractors Pvt.Ltd.KPC C Junction,Kochi	Services, Construction work for Building		
18	CAP Sea Foods Pvt.Ltd.Kochi	Frozen Marine Products	4,75,00,000	79
19	Geeyem Agro Mills, Koovapady	Rice Milling	8,16,00,000	13
20	Rose Residency Kolenchery,	Hotel Restaurant Service	3,00,00,000	54
21	General Construction Pvt.Ltd,Thrikakara	General Construction work for Building	5,80,00,000	23
22	Pai & Company Printing Division Jew Street, EKM	Offset printing, Books Binding, Computer Designing	1,00,00,000	08
23	Siggil Indstl. Gases, Eloor	Carbon Dioxide solid, Carbon Dioxide Gas	5,17,00,000	08
24	J & A Foundations Pvt. Ltd, Vennala, Kochi	Piling	4,52,00,000	137
25	AMES Food Processors India PVT. Ltd.	Agro Products Processing, spices and Spice products	8,93,00,000	23
26	Dc Press Pvt.Ltd. Kurusupalli Junction,	Printing Machines, Reprographic machine	7,10,00,000	10
27	Choice Blocks, Kalamassery	Cement Product Others	5,80,00,000	10
28	Fathima Aluminium Rolling Miill	Aluminum plate, sheets strips, section,	5,00,00,000	08

	DP, Kalamassery	Aluminium Disk Circles		
29	Leetha Industries, IDA, Kalamassery	Paper cups	6,00,00,000	80
30	CII Guardian International Ltd, Kadavanthar a, EKM	Electro Magnetic Separators	5,48,00,000	212
31	KitexLtd Kizhakkamb alam	Ready Made	11,00,00,000	900
32	BEO Software Pvt.Ltd	Software Development	2,00,00,000	75
33	Akay Flavours and Aromatics Pvt Ltd, Aluva	Natural Essential Oils and Extracts	6,75,00,000	46
34	High Build Coatings IDA, Kalamassery	Paints	6,75,00,000	97
35	Beena Apparels, Perumbavoor	Shirts	6,64,00,000	60
36	Malabar Spice Processors, Kizhakkambala m	Curry Powder, Masala Mix, Dried Spices	3,45,00,000	11
37	Poly Formalin Ltd	Formaldehyde, Amino Resins	4,60,00,000	13
38	Microtrol Sterilization Service, IDA, Edayar	Sterilization Service	5,00,00,000	10
39	Bramsko Garments Pvt Ltd, Puthencruz	Woven Sacks	5,00,00,000	108
40	Thulabhavan,	Electronic	5,03,00,000	6

	Ernakulam	components		
41	Cochin Bakery, Ernakulam	Bakery Products	4,76,00,000	22
42	Alpha Paints, DP, Angamaly	Paints, Varnish	6,18,00,000	8
43	J J Confectioner Pvt Ltd, Kolencherry	Sweet meat	5,50,00,000	180
44	Logic Pond Technologies Pvt Ltd, Aluva	Software development	8,80,00,000	8
45	Jyothis Industries, Palarivattom	Cosmetic and Toiletries	5,00,00,000	11
46	V C Pharmaceuticals, N parur	Vetenary Preparations	3,00,00,000	11
47	Hi-Build coatings Pvt Ltd, IDA Kalamassery	Paints, Varnish	5,00,00,000	58
48	Print N Unity, Kochi	Printing and other activities	5,90,00,000	5
49	Silpi Agrotech Pvt Ltd, Vazhakulam	Cattle feed	5,00,00,000	36
50	Kerala Lubricants and Chemicals, DP, Kalamassery	Electrical Capacitors	5,25,00,000	06
51	Thaliath Jewellers, Pallimukku	Gold, silver, metal jewellery	5,00,00,000	35
52	Akshaya Info	Software Development	6,00,00,000	05
53	Meh Roof Polymers Rayonpuram	Other Plastic Product	5,00,00,000	12

54	Sreekamakas hi Production, Edappally	Other grain Milling & Process Activities	8,00,00,000	20
55	Resitech Electricals, Vazhakulam	Transformer	7,25,00,000	10
56	Ibsons Industries, Kunnuthunad	Plywood	5,12,00,000	10
57	Premier Aluminium Industries, Angamaly(S)	Aluminium based products	6,50,00,000	18
58	Lucia Industries, Vazhakulam	Paper containers and boxes	7,50,00,000	26
59	S.T. Redias&Sons Veekashana m	Printin press	2,19,00,000	37
60	BGR Hotels, Maradu	Food Products	5,32,00,000	39
61	Herbal Isolate Pvt.Ltd, Kochi	Mustard Oil, green Pepper	6,25,00,000	21
62	Kaveri Pet & Polyforms Ltd.Puthencru z	Moulded Furniture Paint , Aluminuim Composite panels	9,90,00,000	110
63	Grove Limited, 45aDPA Kalamassery	Banana Chips, Cashewnut Fried	5,47,00,000	50
64	Spectrum Softtech Solutions EKM	Medical Transcription	7,90,00,000	210
65	Delta Wood Panels Perumbavoor	Treated Rubber Wood Products	5,00,00,000	20
66	Vysali Pharmaceutic als, Edathala	Parenteral capsules, dry syrup	6,86,00,000	138

67	Mediscan, Palarivattom	X-Ray and Full Body sca	5,00,00,000	38
68	Alappat Jewels, Kochi	Jewellery, Gold	3,60,00,000	55
69	AB Mauri india Pvt. Ltd, Kakkanad	Spice Products	3,31,56,000	87
70	Kerala Furniture Consortium, Kodanad	Furniture wood, MDF	6,00,00,000	43
71	Koder House,kochi	Restaurant, Lodging	4,00,00,000	31
72	A Geeri Pai Gold Diamond	Gold Diamonds, Stones	7,00,00,000	31
73	Sea Blue Shipyard Kochi	Ship Building	9,00,00,000	60
74	Sea Blue Shipyard Kochi	Ship Repairing	5,00,00,000	60
75	Gramox Paper & Boards, Kochi	Paper & Paper Boards	6,47,00,000	160
76	Mercham Limited	Rubber Chemicals	7,45,00,000	141
77	Enitechs, Irumpanam	Grill, Gate	5,00,00,000	10
78	Souriau india Pvt.Ltd	Connectors & Components	5,52,00,000	80
79	MAS Plywoods, EKM	Plywood and veneer sheets	5,50,00,000	12
80	Kalady Rice Millers, Kalady	Rifined Rice Bran Oil	6,59,80,000	33
81	Eastern Condiments ,Edappaly	Spices Spices mixes	9,20,00,000	307
82	Metro m Sand Inds.Kalady	M Sand, M Sand Fine	5,57,00,000	12

83	PDDp central Society, Kalady	Milk Products Icecream	5,00,50,000	119
84	Popular motor World Pvt. Palarivattom	Servicing of card	6,00,00,000	249
85	Nedspice Processing Ltd, Koovapadam	Whole/Ground Sterilised Spice	6,27,00,000	45
86	Abad Motels and Resorts, Kochi	Hotels & Restaurant	3,82,00,000	48
87	Synthite Industries, Kochi	Capsicum, Cardamom,	6,78,00,000	559
88	Parackal Granite Kerala, EKM	Granit Metal, Baby Metal, M Sand	7,00,00,000	16
89	SR Ventures, Koovappadam	House keeping, Manpower Supply	5,00,00,000	88

Source: DIC Ernakulam

3.9 Service Enterprises

3.9.1 Potentials areas for service industry

Serial No	Activity	Potentials
1	SHIP CHANDELERING	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 regassification terminal and tank forms
3	CONDITION ASSESSMENTS/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

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
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

Construction and maintenance of cruise terminal Investment Rs.55 Core	Well experienced investor as joint venture partner
Safety and security aspects	Shipping agents-Tourist operators
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
Handling cruise liners	Shipping agents

Complying with the government policies and procedures	Shipping agents
Handling foreign tourists from the Europe & American continents.	Tourism promoters
Local sightseeing	Tourism promoters-Taxi operators-Guides
Sightseeing to outside the district	Tourism promoters-Taxi operators-waterway operators
On-Land passenger spending	restaurants, sight seeing trips, accommodation, shopping and cultural activities
On-Land crew spending	restaurants, sight seeing trips, accommodation, shopping and change over travel

Nature and potential of industrial opportunities from bunkering terminal

Activity	Potential of industry
i. 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
ii. Lube oil supply	Storage and supply Import of Lube oil
iii. De- slopping	Chemical treatment of waste oil/liquids from a vessel – initiate setting up of medium scale slopping units
iv. Garbage collection	Effluent Treatment of waste from a vessel – initiate setting up of medium scale slopping units
v. Fresh water supply	Purification and Water treatment can come up in the Port area.
vi. Ship repair	Offshore repair service can come up in the Port

	area.
vii. Crew change	Accommodation/travel
viii. Storage-facilities	Warehousing stations can be set up in the Port suburbs
ix Ship Chandeling	Supplies to ship
x Consultancy	International level consultancy to maintain standards

3.10 Potential for new MSMEs

1. Food processing sector
2. Garment Manufacturing
3. Metal based
4. Rubber base
5. Chemical based
6. Electronic Goods
7. Plastic based
8. Bio Technology
9. Tourism & Healthcare

4. Existing Clusters of Micro & Small Enterprise(as on 31/03/2016)

4.1 DETAIL OF MAJOR CLUSTERS

4.1.1 Manufacturing Sector

1. Kerala Furniture consortium. Mfg of Furniture Components
2. Kalady Rice Millers Consortium Pvt Ltd. Rice Bran Oil Refining
3. Perumbavoor Plywood Manufactures Consortium. Resin And High Density Plywood Mfg.
4. Aluva Plastic Consortium Pvt Ltd. Repairing And Mfg of Modules And Machine Parts
5. Cochin Footwear Consortium Pvt Ltd. Footwears Mfg.
6. Mahila Apparels Consortium Pvt Ltd. Apparels

4.1.2 Service Sector

Nil

4.2 Details for Identified cluster

4.2.1 Name of 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) Machineries used in the sector is outdated.

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Present Status of the Cluster:- Working satisfactorily.

4.2.2 Name of 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 required Facility required for bye product manufacturing (ie. from ash

Present Status of the Cluster:- Working satisfactorily

4.2.3 Name of 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	<ol style="list-style-type: none">1. Import duty rate of soft wood is to be reduced.2. Industrial urea is to be supplied through Government agencies such as SIDCO.3. High quality formalin can be produced using Nano technology.

		Using this technology high quality plywood can be manufactured. This product has worldwide acceptance.
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Present Status of the Cluster:- Working Satisfactorily.

4.2.4 Name of 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, IDA, Erumathala.P.O., Aluva-05
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 moulded 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	1) <i>Lack of skilled workers and unskilled workers</i> 2) <i>Price Fluctuations of raw materials in connection with Petroleum products.</i> 3) <i>Timely availability</i>

		4) <i>Restriction in import recyclable waste plastic</i> 5) <i>Shortage of Mould</i> 6) <i>Limitation in the existing raw material bank/ mould bank</i>
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Present Status of the Cluster:- Working Satisfactorily.

4.2.5 Name of 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 for Eva chappals

Present Status of the Cluster:- Working.

4.2.6 Name of 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	1) <i>Non availability of Marketing sector study report</i>

		2) <i>Shortage in sufficient working capital</i> 3) <i>Non assess of skilled labour force.</i> 4) <i>Policy to be revised in favour of women entrepreneurs</i>
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Present Status of the Cluster:- Working satisfactorily

5. General issues raised by industries in Ernakulam Dt.

- **Lack of Co-operation among Industrial Units.**
- **Low Cost items from China**
- **Export/ Import policies**
- **Pollution complaints from public- Renewal of licence from local boady**
- **Public Issues- various problems**
- **Interference of various trade unions**
- **Scarcity of Industrial Land.**
- **Lack of financial support in time.**
- **Lack of permanent Skilled Labour**
- **High Cost and shortage of power**
- **High cost of production**
- **Unawareness in respect of the modern technology**
- **Marketing**
- **License & clearance To start a Raw material bank to procure raw materials at subsidized rate for the upcoming entrepreneurs of micro small industrial sector.**
- **To promote the sales of the upcoming entrepreneurs in the micro small industry sector, permanent sales depots should be put up.**

- **Traditional industries incorporated with new technologies should be used to set up sales and renovation/modernization strategies directly put up by the Industries department**
- **Specific Industrial zones are to be set up.**
- **Upgrade the present infrastructure facilities in Industrial Development areas/Development Plots to global standard**
- **Procedure of Financial Institutions should be made easier through RBI**
- **Procedure for renewal of license from other departments should be strictly based on the MSME part II.**
- **All licenses for MSMEs should be for 5 years and renewal of licenses also should for 5 years.**
- **Sanction the reimbursement of 50% VAT/CST paid, for a period of 5 years to New MSMEs.**
- **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 entrepreneurs.

Sl No:	Type of assistance	Name and address of agencies
1	Registration of Units under UAM	<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, website: www.msmedithrissur.gov.in Ph. 0487-2360536/0487-2360686</p> <p>General Manager Dist. Industries Centre, Kunnumpuram civil station Road, Kakkanad, Kochi -30 Ernakulam +91-484-2421461, Fax:- 2421432 E-mail: dicekm123@yahoo.com</p>
	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 PO 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>General Manager Dist. Industries Centre, Kunnumpuram civil station Road, Kakkanad, Kochi -30 Ernakulam +91-484-2421461, Fax: - 2421432 E-mail: dicekm123@yahoo.com</p> <p>Director, Directorate of Industries and Commerce, Vikas Bhavan PO, 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,</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,</p> <p>Tel:0484-2311174, website: www.ifcilttd.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>The State Trading Corporation of India Ltd. (KSHB) Office Complex, 4th Floor, Panampilly Nagar, Kochi- 682036, INDIA. Phone : +91-484-2321470, 2311450, 2315081 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: bococh@nsic.co.in, website: www.nsic.co.in</p>
7	Power/ Electricity	KSEB, Ernakulam
8	Technical Know –how.	<p>General Manager Dist. Industries Centre, Kunnumpuram civil station Road, Kakkanad, Kochi -30 Ernakulam +91-484-2421461, Fax:- 2421432 E-mail: dicekm123@yahoo.com</p> <p>Micro small and Medium Enterprises Development Institute (MSME-DI) Ministry of MSME, Govt. of India Kanjany Road, Ayyanthole PO Thrissur-680 003 (Kerala) Email: dcdi-thrissur@dcmsme.gov.in</p> <p>Ph. 0487-2360536/0487-2360686</p> <p>website: www.msmedithrissur.gov.in</p>

9	Quality & Standard	Bureau of Indian Standards, Near FCI, Kesavadasapuram, Thiruvananthapuram, Ph. 2558416-18, E.mail: tbo@bis.org.in , Website: www.bis.org.in
		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
		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
		Micro small and Medium Enterprises Development Institute (MSME-DI) Ministry of MSME, Govt. of India Kanjany Road, Ayyanthole P. O. Thrissur-680 003
10	Marketing /Export Assistance	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
		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
11	Other Promotional Agencies	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

		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
		KITCO Limited, PB No. 1820, Ravipuram,M.G. Road, Cochin-682016, website: www.kitco.in
		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