



भारत सरकार

Government of India

Ministry of MSME

Brief Industrial Profile of Ernakulam District

2017-18

Carried out by

**MSME – Development Institute, Thrissur
Ayyanthole P.O., Kanjani Road, Kerala – 680003**

Email: dcdi-thrissur@dcmsme.gov.in

Website: www.msmsedithrissur.gov.in

Phone: 0487-2360536, Fax: 0487-2360216

FOREWORD

MSME-DI, Thrissur, as part of its activities has prepared the District Industrial Profile of Ernakulam District during 2017-18. 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 also 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 IES, 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.

31.03.2018
Thrissur


(P.V. Velayudhan)
Director

Contents

Sl. No.	Topic	Page No.
	Foreword	2
1	General Characteristics of the District	5 - 7
1.1	Location & Geographical Area	5
1.2	Topography	5-6
1.3	Availability of Minerals	6
1.4	Forest	6
1.5	Administrative set up	6-7
2	District at a glance	7-11
2.1	Existing Status of Industrial Area in the District	11
3	Industrial Scenario of Ernakulam	11-33
3.1	Industry at a Glance	11-12
3.2	Year Wise Trend of Units Registered	12
3.3	Details of Existing Micro and Small Enterprises and Artisan Units in the District	13
3.4	Large Scale Industries / Public Sector undertakings	14-18
3.5	Major Exportable Item	18
3.6	Growth Trend	19
3.7	Vendorisation / Ancillarisation of the Industry	19
3.8	Medium Scale Enterprises	20-24
3.8.1	List of the units in Ernakulam & nearby Area	24

3.8.2	Major Exportable Item	24
3.9	Service Enterprises	24
3.9.1	Potentials areas for service industry	24-26
3.1	Potential for new MSMEs	26-33
4	Existing Clusters of Micro & Small Enterprise	33-37
4.1	Details of Major Clusters	33
4.1.1	Manufacturing Sector	33
4.1.2	Service Sector	33
4.2	Details of Identified cluster	33-37
4.2.1	Kerala Furniture Consortium (P) Ltd	33-34
4.2.2	Kalady Rice Millers Consortium (P) Ltd	34-35
4.2.3	Perumbavoor Plywood Manufactures Consortium (P) Ltd	35
4.2.4	Aluva Plastic Consortium (P) Ltd	35-36
4.2.5.	Cochin Footwear Consortium (P) Ltd	36-37
4.2.6	Mahila Apparals (P) Limited	37
5	General issues raised by industry association during the course of meeting	38
6	Steps to set up MSMEs	38-42

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 2017-18

Sl No.	Name of Mineral	Production in tones
1	Granite Building Stone	10860024
2	Ordinary Earth	2435785
3	Latrite Building Stone	201268
4	Brick Clay	331597
5	Ordinary Sand	200738
6	Ordinary Earth	2435785
7	River Sand	8638
8	Graphite	1889

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	2018		
	i) Latitude			9 ⁰ 57' N
	ii) Longitude			76 ⁰ 15' E
	iii) Geographical Area		Hectares	305826
(B)	Administrative Units	2018		
	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	2016-17	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	2016-17	Hectare	70617
<i>Source: Agricultural Statistics, 2016-17</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	31.03.2017	Kms	325.206
	(c) Major District Roads	31.03.2017	Kms	2760.075
	(d) Other district & Rural Roads	2011	Kms	147
	(e) Rural road/ Agriculture (Village roads)	2011	Kms	10003.325
	(f) Kachacha Road	31.03.2017	Kms	NA
<i>Source: a,b,e: Panchayat Level Statistics, 2011; b & c : Economic Review, 2017</i>				
VI) Communication				
	(a) Telephone connection (working landlines)	2016-17	Nos.	261332
	(b) Post offices	2016-17	Nos.	390
	(c) Telephone Exchanges	2016-17	Nos.	117
	(d) Density of Telephone (landline)	2016-17	Nos./1000 per	84.63
	(e) Density of Telephone (landline)	2016-17	No. per Sq.KM.	85.32
	(f) PCO Rural	2016-17	No.	NA
	(g) PCO STD	2016-17	No.	NA
	(h) Mobile	2016-17	No.	NA
<i>Source: Economic Review, 2017</i>				
VII) Public Health				
	(a) Allopathic Hospital	2017	No.	15
	(b) Beds in Allopathic hospitals	2017	No.	2865

(c) Ayurvedic Hospital	2017	No.	14
(d) Beds in Ayurvedic hospitals	2017	No.	310
(e) Unani hospitals		No.	NA
(f) Community health centers	2017	No.	23
(g) Primary health centers	2017	No.	42
(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	2017	Nos.	999
(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, 2017</i>			
IX) Education			
(a) Lower Primary school <i>(including State Syllabus and Other Syllabus)</i>	2016-17	Nos.	476
(b) Upper Primary school <i>(including State Syllabus and Other Syllabus)</i>	2016-17	Nos.	209
(c) Secondary & Higher secondary Schools <i>(including State Syllabus and Other Syllabus)</i>	2016-17	Nos.	759
(d) Colleges (except medical colleges)	2016-17	Nos.	58
(e) Technical University	2016-17	Nos.	NIL
<i>Source: Economic Review, 2017</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 31.03.2018)

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 31.03.2018)

Sl No	Head	Unit	Particulars
1	Registered Industrial Unit	No	25751
2	Total Industrial Unit	No	39025
3	Registered Medium Unit	No	82

4	Estimated Average No of Daily Worker employed in Small Scale Industries	No	17
5	Employment in Medium Industries	No	16274
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 31.03.2018)

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

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 31.03.2018)**

Sl No	Type of Industry	No of Units	Investment (Lakh Rs.)	Employment
1	Agro & Food based	4947	86535.2	41855
2	Soda water/Packaged drinking water	169	6259	1105
3	Woollen, silk & artificial Thread based clothes.	16	194	191
4	Ready-made garments & embroidery	1526	102175.37	12623
5	Wood/wooden based furniture	2189	8924.5	18757
6	Paper & Paper products	472	3802.85	4165
7	Leather based	154	16509.3	1400
8	Chemical/Chemical based	874	19133.45	13389
9	Rubber, Plastic & petro based	886	20841	7626
10	Mineral based	155	34248	1438
11	Metal based (Steel Fab.)	810	102481.11	7473
12	Engineering units	3598	34921.9	28184
13	Electrical machinery and transport equipment	851	48171.19	9958
14	Repairing & servicing	4563	41351.77	22256
15	Others	4442	61251.77	46956
16	Artisan Units	99	509	202
	Total	25751	587309.41	217578

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 31.03.2018.

Table 7: Large Scale Industries - Private (as on 31.03.2018)

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 Floor, 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 Industrieas, 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	Paper cup	40	6
26	SAMUEL ICE FACTORY, Mini Harbor	Ice	76	4
27	Chrismaria Food Packers,Narakkal	Sauce, Jam, Pickles	42	9
28	Thaliath Cartons	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,Moothakunnam	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	Paravur Engineers,peruvaram	Chapatti making machine	15	2
47	DNA Automation,perumpadanna	Wooden furniture	24	2
48	Khanu& sons,N.paravur	Hollow bricks	12	4
49	Adhil signs,N.Parur	Flex, Sign Board, Momentos	25	5
50	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	Sri Sreenivasa 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 31.03.2018)

Sl No	Name of Enterprise	Product	Value of P&M/c (Rs in Crore)	Employees (Nos)
1	Civil Supplies Corporation, Gandhi Nagar	Consumer products	15	3500
2	Kerala State Books Publishing, Kakkanad	Printing of Text books of Schools, Colleges	100	250
3	KAMCO, Athani	Agro Machineries	16.15	235
4	Transformers & Electrical Kerala (TELK) Ltd, Angamaly	Power Transformers	43.42	605
5	Kerala State Bamboo Corporation Ltd., Angamaly	Bamboo Products	15.4	242
6	Maritime Development Corporation, Pallimukku	Development & Improvement of Minor Port Vessels	10	20
7	Construction Corporation, Ponnuranni, Vyttila	Construction of Bridges & Roads	NA	90
8	HMT, Kalamasserry	Machine Tool Manufacturing	110	329
9	Forest Industries Travancore (FIT) Ltd., Aluva	Wooden Furniture	3.52	86
10	BPCL, Cochin Refineries, Ambalamugal	Crude oil refining, LPG -44	95	2145
11	FACT, Kunnathunadu	Fertilizer	130	1005
12	KEL, Kunnathunadu	Transformer	11	253
13	Meat Products of India Ltd, Koothattukulam	Meat Products	15	97
14	Hindalco Industries Ltd, Eloor	Alluminium, Alloys	64.44	340
15	HIL Ltd, Udyogamandal	DDT, Dicofol	44.98	242

16	Travancore Cochin Chemicals Ltd	Caustic soda,Liquid Chlorine,HCl acid,soda bleach	246.16	344
17	FACT LTd, Eloor, Udyogamandal	Fertilizer& Petrochemicals,Engg. Consultancy Service	1374.29	2708
18	Indian Rare Earths Ltd, eloor	Minerals	NA	
19	Kerala Shipping and Inland Navigation Corporation	Public utility	10	90
20	Kerala State Warehousing Corporation	Agro based	10	120
21	Cochin Shipyard Ltd.Kochi	Ship Manufacture	NA	
22	Vazhakulam Agro & Fruit Producing co. Ltd Vazhakulam	Food products	2400	35
22	Traco Cable Company Limited	Electric cables, House wiring cables	500	250
23	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	Items	Value (Rs. Cr)
1	Tea	464.68
2	Cashew	2215.8
3	Coir Products	400.49
4	Coffee	1146.29
5	Sea food Products	2673.11
6	Spices	873.54
7	Vanilla	635.39
8	Agro& Food	161.52
9	Electronics Hardware	468.16
10	Engineering	109.51
11	Garments	3.12
12	Gem& Jewellery	28473.69
13	IT&ITEs	1236.89
14	Plastic & Rubber Products	58.37
15	Service	7.74
16	Trading	195.37
17	Textiles& Garments	120.95
18	Miscellaneous	114.81

Source: District Industries Centre, Ernakulam

3.6 Growth Trend

There is a positive trend:

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

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 31.03.2018)

Sl. No	Name of Enterprise	Product	Value of P&M/c (Rs in Crore)	Employees (Nos)
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, Angamaly	Paint	5,00,00,000	55
5	Peevees Plywoods, Muvatturpuzha	Plywood, Block Glass, Doors, Steel	5,43,00,000	9
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	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	Coffee Grinding	6,57,00,000	31

16	Tropicana World Trade Pvt. Ltd.	Bakery Products	5,75,00,000	9
17	Kunnel Enginners & Contractors Pvt. Ltd	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,Thrikkakara	General Construction work for Building	5,80,00,000	23
21	Pai &Company Printing Division	Offset printing, Books Binding, Computer	1,00,00,000	8
22	Siggil Indstl. Gases, Eloor	Carbon Dioxide solid, Carbon Dioxide Gas	5,17,00,000	8
23	J &A Foundations Pvt.Ltd, Vennala	Piling	4,52,00,000	137
24	AMES Food Processors IndiaPVT. Ltd.	Agro Products Processing, spices	8,93,00,000	23
25	Dc Press Pvt.Ltd. Kurusupalli Junction	Printing Machines, Reprographic	7,10,00,000	10
26	Choice Blocks, Kalamassery	Cement Product Others	5,80,00,000	10
27	Fathima Aluminium Rolling Miill,DP,Kalamassery	Aluminum plate, sheets strips, section,	5,00,00,000	8
28	Leetha Industries, IDA, Kalamassery	Paper cups	6,00,00,000	80
29	CII Guardian International Ltd, Kadavanthara	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	3,45,00,000	11
35	Poly Formalin Ltd	Formaldehyde, Amino Resins	4,60,00,000	13

36	Microtrol Sterilization Service, IDA, Edayar	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 Toiletries	5,00,00,000	11
43	V C Pharmaceuticals, 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	6
48	Thaliath Jewellers, Pallimukku	Gold, silver, metal Jewellery	5,00,00,000	35
49	Akshaya Info	Software Development	6,00,00,000	5
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	Aluminum 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	Printing 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	Molded Furniture Paint , Aluminum	9,90,00,000	110
60	Grove Limited, 45aDPA Kalamassery	Banana Chips, Cashewnut Fried	5,47,00,000	50
61	Spectrum Softtech Solutions	Medical Transcription	7,90,00,000	210
62	Delta Wood Panels, Perumbavoor	Treated Rubber Wood Products	5,00,00,000	20
63	Vysali Pharmaceuticals, 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	Ship Building	9,00,00,000	60
70	Sea Blue Shipyard	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	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 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, Ice-cream	5,00,50,000	119
80	Popular motor World Pvt, Palarivattom	Servicing of card	6,00,00,000	249
81	Nedspice Processing Ltd, Koovapadam	Whole/Ground Sterilized 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	Granit Metal, Baby Metal, M Sand	7,00,00,000	16
85	SR Ventures, Koovappadam	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

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 ancillary 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 Eranakulam. It offers ample scope for starting new units in this sector. This sector has got many advantages in sync with the conditions in Eranakulam. 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.

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 31.03.2018)

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
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	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	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

4.2.5. 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	73
4	Turnover of the Clusters	2.3 Crores
5	Value of Exports from the Clusters	Nil
6	Employment of the cluster	2000 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	
Present Status		Working

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

Sl 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: dcdi-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

		<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.	NSIC Ltd, S-16, GCDA Complex, Marine Drive, Shanmugham Road, Cochin 682 031, Tel: 0484-2381850/2368149 @ 2366288, Fax: 0484-2380155, Email: bocoach@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
		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
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	<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>