



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES
MSME-DEVELOPMENT INSTITUTE

Industrial Potentiality Survey Report Sundargarh District 2017-18



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FOREWORD

Every year Micro, Small & Medium Enterprises Development Institute, Cuttack under the Ministry of Micro, Small & Medium Enterprises, Government of India has been undertaking the Brief Industrial Potentiality Survey for all the districts in the state of Odisha and brings out the Survey Report as per the guidelines issued by the office of Development Commissioner (MSME), Ministry of MSME, Government of India, New Delhi. Additionally, under its Annual Action Plan 2017-18 the Sundargarh district of Odisha has been taken up for the detailed survey along with few other districts of the state. The District Industrial Potentiality Survey Report of **Sundargarh** district covers various parameters like socio-economic indicators, availability of resources, industrial infrastructure, problems and prospects in the district for industrial development with special emphasis on scope for setting up of potential new MSMEs.

The Industrial Potentiality Survey Report focuses on the physical and geographical features, natural and human resources and the present status of infrastructure like roads, communication, water, electricity, banking including other financial and technical institutions, industrial estates, growth centers etc. These factors are the sine-qua-non of the pace of industrial development in an area and also beneficial for both existing and prospective entrepreneurs. Considering the above factors, the available sector wise surplus resources in the district and demand of the people, the potential industries have been identified which could be promoted in the coming years for an overall development of the district.

The report provides useful information and a detailed idea of the industrial potentialities of the district. I hope this Industrial Potentiality Survey Report would be an effective tool to the existing and prospective entrepreneurs, financial institutions and promotional agencies while planning for development of MSME sector in the district.

I would like to place on record my appreciation for **Shri Shibnanda Nayak, AD(EI)** of this Institute for his concerted efforts to prepare this report under the guidance of Dr. Pragyansmita Sahoo, DD(EI) for the benefit of entrepreneurs and professionals in the district as well as in the state.

Cuttack,
Dated -27th August, 2018

(Dr. S. K. Sahoo)
Dy. Director Incharge

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EXECUTIVE SUMMARY

The district of **Sundargarh** covers 9712 sq. km. of State geographical area and 4.99% of state population. The headquarters town of the district i.e., Sundargarh and Rourkela (the industrial capital of the state) are well connected with all big cities of the country by road. The district has 3 Subdivision, 18 Tahasils, 17 CD Blocks, 4 Municipality and 262 Gram Panchayats with a total of 1762 villages (out of which 1713 are inhabited and 49 are uninhabited). The decennial growth rate of population is 14.4% during the decade 2001-2011. The literacy rate in the district is 73.3 %. The unique feature of the district is that 60% of the total area is covered under forest and more than 50% of the total population is Scheduled Tribe.

There is enough scope for setting up small-scale enterprise in the district. Paddy is the principal crop of the district. Besides other crops like Biri, Groundnut, Vegetable, fruits and Spices etc. are grown in the district. Agriculture in the district is done through traditional methods. So there is further scope to increase the productivity as well as production from agriculture by adopting modern technology. The climate of the district is also suitable for growing different horticultural crops. Floriculture can also be introduced and commercialized in the district to cater to the increasing demand in the market.

The district is well connected through road. There is no problem of marketing as the district headquarters and all the commercial towns of the districts are well connected to all big cities of the country. There are a number of medium and minor irrigation projects, dug wells, tube wells, bore wells etc.

Apart from this, though the district has not done well in inland Pisciculture, still there is a good scope for Pisciculture i.e fresh water fishery. As the network of rivers, passes through the district Pisciculture can be adopted as a means of self-employment for the educated unemployed youth of the district. The demand for fish in the district is also growing which is presently being met by import from neighbouring districts and also from neighbouring states. Increasing production of fish will further encourage the setting up of food processing industries in the small scale sector.

Though the district has made much headway in the industrialization, still there is a need of setting up of more number of large and medium scale industries besides motivating the local people to go for setting up of more number of MSEs.

There is a need of giving special attention to handicraft and cottage industries for exploring further opportunities available in the sector. The district has also good scope for development of tourism based industries. The tourists' spots of the district need special attention. If these are well developed and publicized then definitely it will go a long way in giving a boost to the inflow of tourist both domestic and foreign to this spots. Accordingly, development of wayside entertainment amenities like modern Dhaba, Restaurants, Hotels, Children garden/park etc. will attract more number of tourists and increase the revenue earning in the district. Besides this, other enterprises in different sectors can be developed depending on the resources available and demand of the local area.

The District Industrial Potentiality Survey of Sundargarh has been divided into following sections. **Chapter-1**, gives introduction on the district which reflects the key parameters of development in the district. **Chapter-2**, deals with district profiles in brief which covers all aspects of development. The **Chapter-3** deals with the important aspect of the resources available. In this chapter the available resources have discussed in human and material form with support of statistical information. The infrastructure available for industrial development has been discussed in the **Chapter-4** with physical and structural dimensions. This chapter contains the incentives given by State Govt. and Central Govt. for development for MSMEs. The **Chapter-5** reflects the present industrial sector with no. of medium and large scale industries and small units with investment and employment. Besides, this Chapter also reflects the growth of Micro and Small Enterprises over the years and category-wise concentration of units in the district.

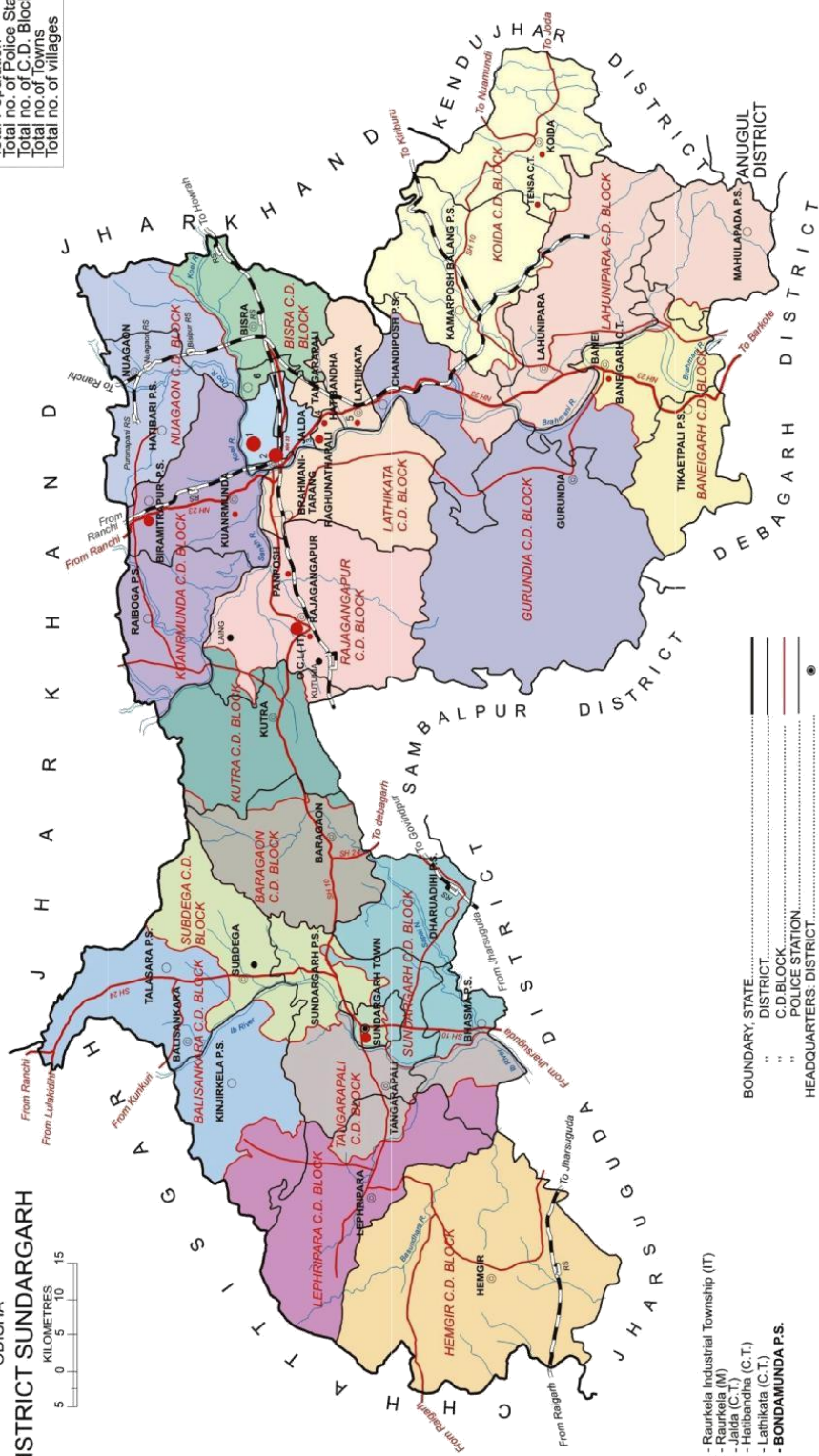
The **Chapter-6** reflects the scope of prospective MSMEs based on surplus resources available and demand factor. In this chapter most potential items with market information, technology etc are incorporated. **Chapter-7** deals with plan of activities to be initiated by promotional agencies and other concerned to promote entrepreneurship in the district. The **Chapter-8** explains the steps to set up Micro and Small Enterprises. This chapter deals with main function of the different promotional agencies which can be contacted for setting up of MSMEs. **Chapter-9** concludes.

INDIA
ODISHA

DISTRICT SUNDARGARH



Area in Sq.Km.	9712.00
Total Population	2,093,437
Total no. of Police Station	30
Total no. of C.D. Block	17
Total no. of Towns	14
Total no. of villages	1762



- 1 - Raurkela Industrial Township (IT)
- 2 - Raurkela (M)
- 3 - Jajda (C.T.)
- 4 - Hatibandha (C.T.)
- 5 - Lathikata (C.T.)
- 6 - BONDAMUNDA P.S.

BOUNDARY, STATE.....

..... DISTRICT

..... C.D.BLOCK

..... POLICE STATION

..... HEADQUARTERS- DISTRICT

..... POLICE STATION

..... C.D.BLOCK

VILLAGES HAVING 5000 AND ABOVE POPULATION WITH NAME

URBAN AREA WITH POPULATION SIZE- I, II, III, IV, V & VI

NATIONAL HIGHWAY.....

STATE HIGHWAY.....

IMPORTANT METALLED STATIONS.....

RAILWAY LINE WITH STATION, BROAD GAUGE.....

RIVER AND STREAM.....

C.D. Block headquarters is given only where C.D. Block headquarters is also the Headquarters of Police Station.
District headquarters is given only where District headquarters is also the headquarters of C.D. Block and Police Station.
Each colour shows area of a C.D. Block

Headquarters of Sundargarh P.S. and Sundargarh C.D. Block are located at Sundargarh Town
Headquarters of Raghunathpalli P.S. and Tangarpalli P.S. are located at Rourkela Town

CHAPTER-I **INTRODUCTION**

Sundargarh reflects the gradual devolution of a long-standing geographical and human history. The district was formerly known as Suadihi (Suadi) during the first decade of the 20th century and named as “Sundargarh” in an unwritten order by the then Maharaja Raghunath Sekhar Deo, the 18th descendent to the throne, which literally means ‘Beautiful Fort’ formed a part of ancient South Kosala and was connected with Madhya Pradesh and now Chhatisgarh through the valleys of the river IB and Brahmani. Since the merger of the two princely Ex-state areas of Gangpur and Bonaigarh, there have been no territorial changes. Hence, with its territorial sovereignty, became a district on 1st January, 1948. The town of Sundargarh, which was the capital of Gangpur Ex-state, was made the headquarters of the district.

Endowed with rich mineral resources and gifted with the existence of PSEs, large-scale industries like Rourkela Steel Plant, Mahanadi Coalfields Ltd., Orissa Cement Ltd., Auto India Ltd. and L&T etc. in the district, offers a wide scope for resources based and ancillary industries and occupies a prominent position in the industrial map of the state.

Scope and Objectives

The scope of the study is limited to the present district in respect of small scale industrial sector and related activities. The year 2016-17 has been taken as the status year in the report.

The study has the following objectives:

- (i) To explore the natural, human resources and skilled people available in the district.
- (ii) To examine the available infrastructure for industrial development.
- (iii) To evaluate the existing industrial activities of the district in utilizing the resources and catering the local demand.
- (iv) To identify some of the viable projects in MSME sector which can be promoted in the district in the coming years based upon the locally available surplus resources and local demand.

To cater to the requirements of the entrepreneurs, the area survey report needs proper analysis of the available surplus resources and demand conditions and proper identification of prospective and viable projects in the district for its development in coming years with necessary techno-economic details.

Methodology

District Industrial Potentiality Survey is a detailed study of important marketable surplus of resources available in the district for industrial use. It gives a clear picture of available infrastructure in different parts of the district. It also focuses on the existing industrial scenario and the prospects of different small scale and ancillary industries. So, it can act as a guide for the entrepreneurs.

The district industrial potentiality survey has been conducted by this Institute as per the instructions and guidelines of the Development Commissioner, Micro, Small and Medium Enterprises, Ministry of MSME, Government of India, New Delhi as part of its Annual Action Plan 2017-18 to promote MSMEs. Selection of the district has been done keeping in mind the year when the previous survey was conducted for the district as well as to meet the industrial progress of the district.

The officers of this Institute have visited different offices in the district such as the Industries Department, Agricultural Department, Forest, Horticulture, Employment Exchange, Mining, Veterinary, Fisheries, Electricity, District Statistical and Planning Offices etc. and relevant information has been collected from them. Some of the relevant information has also been collected from the respective websites of different Government Departments.

A number of discussions were also held with Financial Institutions, Lead Bank & other banks, members of various Industrial Associations & Entrepreneurs while focusing on the problems & prospects for industrial development in the district.

With the available information and feed back from various departments, organizations, the report has been drafted and discussions made among the officers of Economic Investigation Division of this Institute to bring it into final shape.

Sundargarh District at a Glance

Sl. No.	Particular	Year	Unit	Statistics
1	Geographical features			
(A)	Geographical Data			
	i) Latitude		Degree	21°35' to 22°32' North
	ii) Longitude		Degree	83°32' to 85°22' East
	iii) Geographical Area	2017	Sq. Kms	9712
(B)	Administrative Units			
	i) Sub divisions	2017	No.	3
	ii) Tehsils	2017	No.	18
	iii) Sub-Tehsils	2017	No.	
	iv) Patwar Circle	2017	No.	
	v) Panchayat Samitis(CD Blocks)	2017	No.	17
	vi) No. of Municipalities & Corporation	2017	No.	4
	vii)No. of NACs	2017	No.	
	viii) Gram Panchayats	2017	No.	260
	ix) Census villages(Both Inhabited & Uninhabited)	2017	No.	1762
	x) Assembly Area	2017	No.	7
2	Population			
(A)	Sex-wise			
	i) Male	2011	'000	1061
	ii) Female	2011	'000	1032
(B)	Rural Population	2011	'000	1355
(C)	Sex Ratio	2011	No. of females per 000 Males	973
(D)	Population Density	2011	No.s	216
3	Agriculture			
	Land utilization			
	i) Total Area	2015-16	'000 hect.	971
	ii) Forest Area under Revenue Village			180
	iii) Non Agriculture Land			63
	iv) Barren & Uncultivable land			64
	v) Cultivable Land			372
	vi) Net Area Shown			203
4	Forest			
	(i) Forest Area	2016-17	Sq. km.	4957.32
5.	Livestock & Poultry (Live stock Census 2012)			
A	Cattle			
	i) Cows (Indigenous & Cross Bred)	2012	No	600531
	ii) Buffaloes	2012	No	32933
B	Other livestock	2012		
	i) Goats	2012	No	563586
	ii) Pigs	2012	No	48688
	iii) Sheep	2012	No	32192
	iv) Poultry	2012	No	1106437

6.	Railways			
	i) Length of rail line	2015-16	Km	271.88
7.	Roads			
	(a) National Highway	2016-17	Km	168.01
	(b) Express highway	2016-17	Km	-
	(c) State Highway	2016-17	Km	211.93
	(d) Major District Road	2016-17	Km	320.17
	(e) Other District Road	2016-17	Km	584.21
	(f) Rural road	2016-17	Km	1819.22
	(g) G.P. Road	2016-17	Km	7682
	(h) Panchayat Samiti Road	2016-17	Km	3067
	(f) Forest Road	2016-17	Km	687.55
8.	Communication			
	(a) Telephone connection	2011-12		32,668
	(b) Post offices	2016-17	Nos.	403
	(c) No. of Villages Electrified	2015-16	Nos.	1509
9.	Public Health			
	(a) Allopathic Hospital		No	2
	(b) Beds in Allopathic hospitals		No	763
	(c) Ayurvedic Hospital		No	33
	(d) Beds in Ayurvedic hospitals		No	
	(e) Homoeopathic hospitals		No	25
	(f) Community health centers	2016-17	No	20
	(g) Primary health centers		No	64
	(h) Dispensaries		No	
	(i) Sub Health Centers		No	6
	(j) Private hospitals		No	
	(k) Mobile Health Unit		No	14
10.	Banking commercial			
	(a) Commercial Bank Branches		No	261
	(b) Rural Bank Branches	2016-17	No	19
	(c) Co-Operative bank Branches		No	16
	(d) Public sector bank Branches		No	158
11.	Education			
	(a) Primary school	2016-17	No	1759
	(b) Middle schools(Upper Primary)	2016-17	No	963
	(c) Secondary & senior secondary schools(Junior Colleges)	2016-17	No	540
	(d) Colleges	2016-17	No	39
	(e) Technical University	2016-17	No	1

Source: District at a Glance, 2018, Govt. of Odisha.

CHAPTER – II **DISTRICT PROFILE**

Sundargarh District Highlights – 2011 Census

- ✓ Sundargarh is the 2nd district in terms of size and 6th in terms of population.
- ✓ Sundargarh is the 3rd urbanised district in state having only 35.26 percent of its population live in urban areas as against 16.69 percent of state's population living in urban areas.
- ✓ In terms of population per Sq. Km. Sundargarh is 19th densely populated district in the state.
- ✓ Sundargarh has 20th rank in terms of sex ratio in the state.
- ✓ There are 49 uninhabited villages in the district whereas 3 villages are having a population of more than 5000 each.
- ✓ Subdega is the most populated village having 5935 populations in the district.
- ✓ Lahunipara police station is having highest number of villages (160) in the district and Raghunathapali police station is having the lowest number of villages(1) in the district.

i) Location

Sundargarh, one of the border districts of Western Orissa, geographically extends over the North Western portion of the state and located between 21° 35 North latitudes and 22 °32 N and 83 °32 East and 85° 22 East longitudes. It is one of the northern most districts of the state of Orissa. It is bounded in the North by the district of Ranchi and Singhbhum of Jharkhand, in the South by Sambalpur, in the west by Raigarh district of Chhatisgarh and in the East by Keonjhar district. The district is covered with an area of 9712 sq.kms. and is divided into three Sub-divisions namely Sundargarh , Panposh and Bonai which are further divided into 18 Tahasils and 17 Blocks.

The Sundargarh Sub-Division consisting 9 blocks is coming under the administrative jurisdiction of DIC, Sundargarh. The Panposh and Bonai Sub-Divisions are coming under the administrative jurisdiction of RIC, Rourkela with an objective to intensify activities for promotion of ancillary and down stream industries of Rourkela Steel Plant (RSP) and other mother plants located in the area. The DIC/RIC encourages and promotes local entrepreneurs for resource-based and demand based industries.

ii) Topography and Physical Feature

Geographically the district is not a compact one and it consists of widely dissimilar tracts of expansive and fairly open landscape, dotted with tree clad innovated places, vast inaccessible forest, extensive river, village and mountaineous terrains. Broadly speaking, it is an

undulating tableland of different elevations broken up by rugged hill ranges and cut up by territorial hill stream and rivers i.e. IB and Brahmani. The general slope of the landscape is from North to South.

The areas covered by the Sundargarh and Panposh Sub-Divisions are long undulation tracts of about 700 ft. (213 mt.) above sea level, dotted with hill ranges and isolated peaks of considerable height. The village Hemgir lies in the middle of a plateau of nearly 1150 ft (351 mt.) which is on the West of Sundargarh Sub-Division. To the North of Hemgir, the land is considerably hilly, while to the south it is relatively plain with a minimum elevation of nearly 700 ft.(216 mt.) near Chuanbahal village. The Bonaigarh Sub-Division is broadly an isolated hilly tract with an average elevation of about 800 ft (244 mt.) above the sea level. It is shut in all sides by rugged hills intersected by few passes or gorges which connect it with the surrounding areas.

Thus, topographically, this district exhibits widely diversified tracts of mountainous regions inaccessible pockets or forest and extensive river valleys with her mysterious flora and fauna.

iii) River

The Principal rivers of the district are IB and Brahmani which flow a length of 96 kms and 83 kms respectively. The river IB originates from Chhatisgarh and enters the district from the North at Tilijore. It passes through the boundary of the district and meets the river Mahanadi in Sambalpur district. Besides these two rivers there are a number of tributaries, distributaries, canals, hill streams are also found in the district.

iv) Climate and Rainfall

The climate of the district is characterized by a hot dry summer followed by the rainy season and cold winter. Maximum temperature during summer goes up to 49 degree centigrade and minimum temperature during winter is 4 degree centigrade to 5 degree centigrade. With a hot dry summer, an intensive rainy season and a cold winter, has been categorized under four seasons cycle. They are:-

The hot season from March to May.

The Monsoon season from June to September.

The post Monsoon months of October & November

The cold season from December to February

Heat becomes conspicuous from the beginning of March and its temperature ranges between 41 degree centigrade and 49 degree centigrade during May, which is considered to be the hottest month of the summer season.

Arrival of monsoon by mid June brings relief but the unpleasant temperature begins to fall from mid June and onwards leading to the winter season into the season cycle from November. The temperature varies between 20 degree Celsius and 40 degree Celsius during the month from December to January. The average rainfall in the district is 1676 mm (64.84"). The rainfall is uniform in the whole district. About 86% of the annual rainfall is received during the monsoon months between June and September, July being the month with heaviest rainfall. On an average there are 76 rainy days in the year in this district. Relative humidity is high in the Southeast monsoon season. Later, the humidity decreases and during the winter season the weather is fairly dry. Wind is generally light to moderate.

Table-1
Actual and Normal Rainfall in District of Sundargarh during
Monsoon 2017 (in mm.)

Months/Years	Actual Rain Fall	Normal Rain Fall
April	0.45	16.0
May	46.8	40.6
June	230.8	237.4
July	492.2	386.4
August	260.1	393.9
September	183.4	211.5
Total	1213.75	1285.8

Source: Director, Meteorological Centre, Bhubaneswar

v) Administrative Set-up

The district is divided into three Sub-Divisions i.e. Sundargarh, Panposh and Bonaigarh. Except Panposh, the headquarters of which is at Uditnagar, the other two Sub-Divisions are named after their respective headquarters. The present administrative units of this district comprises 3 Sub-Divisions, 18 Tahasils, 17 Blocks, 4 Municipalities, 262 Gram Panchayats and 1762 villages out of which 49 villages are uninhabited.

vi) Population

According to the 2011 Census the population of Sundargarh district was 20,93,437. Out of three Sub-Divisions, Rourkela is the most densely populated area of the district followed by Panposh and Bonai Sub-Division. The density of population as per 2011 census was 216 per sq. kms.

The rural and urban population of the district are 13,55,340 and 7,38,097 respectively as per 2011 census. The SC and ST population in the district are 1,91,660 i.e. 9.16% of total population and 10,62,349 i.e. 50.75% of total population respectively. The decennial growth rate is 14.35 during 2001 to 2011.

Vii) Literacy

As per 2011 census the literacy rate of the district is 73.34% which can be well compared with the state percentage of 72.87%. The percentages of male and female literacy are 81.01 and 65.48 respectively. The literacy status has improved in comparison to 2001 census.

viii) Occupational Structure

Occupational structure, as a dynamic factor has been undergoing substantial changes with the implementation of various developmental government projects. Agriculture is the principal occupation of the district besides mining, repairing, servicing and also industrial activities.

ix) Soil

The soil of Sundargarh district is largely infertile except some tracts of alluvial soils of either bank of rivers which contributed much towards the production of varieties of agricultural products such as cereals, pulses, oil seeds, vegetables etc. Among the infertile lands mixture of red and black soil, sandy and gravel soil and laterite soil are common.

x) Water Resources

The two principal rivers are the IB and the Brahmani. However, they are not perennial. As a result of the absence of any perennial source of water and with the hilly characteristic of the district, irrigation facilities are not satisfactory. The riverbeds are bound with boulders and barriers of massive rocks. Systematic navigation has been carried on due to the presence of massive rocks on the riverbed. Besides rivers, the district is adorned with numerous smaller streams, some of which are of considerable size. The Khandadhar waterfall in the Bonaigarh Sub-Division, where water drops from a height of over 300ft. is spectacular.

xi) Forest Resources

Forest constitutes about 51% of the total area of the district. It plays an important role in the economy of this tribal dominated district. The forests seen in the district are of the following types:

- (a) Most peninsular valley Sal Forest
- (b) Dry peninsular Sal Forest
- (c) Dry Mixed Deciduous Forest and
- (d) Dry Bamboo Forest

The principal forest products of the district are Bamboo, Timber (Bija, Asan, and Sal) and Kendu leaves. The minor forest products like Siali leaves, Myrobalans, char Seeds, BroomStick, Kusum Seed, Sunari bark; Mahua seed, honey, lac, sabai grass etc. are also available in the district. The total area of the forest of the district is 4957.32 out of which 2651.88 is reserved forest, 1.72 is classified forest, 836.85 is demarcated protective forest, & 1456.87 is other forest. The remarkable features is that the total forest area to total geographical area is more than 51% and district forest area to state forest area is about 8.52%.

xii) Mineral Resources

Sundargarh, district occupies a prominent position in the mineral map of the country. The most important minerals of economic value found in the district are Iron Ore, Manganese Ore, Lead Ore, Limestone, Dolomite and Quartz which are presently being exported in large-scale. Several other valuable minerals like fireclay, coal and bauxite are also found in the district. Manganese in the district is exploited at Gadiajore, Dolomite at Panposh and Limestone at Birmitrapur. Such mining activities have its impact on employment generation in these sectors to the tune of 15,000 persons.

Table-2
Mineral Reserves in the District of Sundargarh

Sl. No.	Minerals	Area Coverage (In ha)	Output ('000 in MT)
1.	Dolomite	408.42	1,566.0
2.	Bauxite	149.20	44.0
3.	Coal	140.84	4,285.0
4.	Fire Clay	NA	9.0
5.	Iron Ore	6,694.49	16,258.0
6.	Pyroxenite	50.66	0.1
7.	Lime Stone	3,852.26	1,590.0
8.	Manganese	1,987.36	183.0
9.	Quartz	75.18	13.5
10.	Silica Land	129.42	18.0
11.	Soap Stone	166.43	0.2

Source: Directorate of Mines, Odisha

xiii) Industries

Sundargarh, district is endowed with rich mineral resources and gifted with the existence of many large-scale industries like Rourkela Steel Plant, Mahanadi Coalfields Ltd., Orissa Cement Ltd., Larsen & Toubro and Auto India Ltd etc. Similarly many Large Projects are under Progress, which offers a wide scope for resource based & ancillary industries and occupies a prominent position in the industrial map of the state. Further, there are avenues for industries producing grinding materials, bricks, chips etc. This would also pave the way for modernization of some existing engineering industries to meet necessary quality fabrication. To add to that, the abundance of forest resources also keeps the door open for MSE units based on forest products and food processing.

CHAPTER – III

RESOURCE ANALYSIS

The availability of resources and its effective use with the support of infrastructure facilities determines the economic development of an area. In other words, the economic development/growth of a region is directly related to the effective utilization of the available resources. This district will achieve the desired economic prosperity with the available resources, which can be exploited fruitfully for further development of the district. The analysis of resources has been categorised into human and material one.

A. Human Resources:

Table-3
Comparative Statistics of Sundargarh vis-à-vis Odisha

		State		District		
1. Population	Total	Persons	4,19,74,218	20,93,437		
		Males	2,12,12,136	10,61,147		
		Females	2,07,62,082	10,32,290		
	Rural	Persons	3,49,70,562	13,55,340		
		Males	1,75,86,203	6,76,068		
		Females	1,73,84,359	6,79,272		
	Urban	Persons	70,03,656	7,38,097		
		Males	36,25,933	3,85,079		
		Females	33,77,723	3,53,018		
2. Percentage of Urban Population		16.69	35.26			
3. Decadal Population Growth (2001-2011)		Number	Percentage	Number	Percentage	
		Persons	51,69,558	14.05	2,62,764	14.35
		Males	25,51,566	13.67	1,25,546	13.42
		Females	26,17,992	14.43	1,37,218	15.33
4. Literates	Persons		2,67,42,595	72.87	13,42,322	73.34
	Males		1,50,89,681	81.59	7,50,147	81.01
	Females		1,16,52,914	64.01	5,92,175	65.48
5. Scheduled Castes	Persons		71,88,463	17.13	1,91,660	9.16
	Males		36,17,808	17.06	96,465	9.09
	Females		35,70,655	17.2	95,195	9.22
6. Scheduled Tribes	Persons		95,90,756	22.85	10,62,349	50.75
	Males		47,27,732	22.29	5,26,856	49.65
	Females		48,63,024	23.42	5,35,493	51.87
7. Area (in sq Km.)		155707		9712.00		
8. Density of Population (Persons per sq Km.)		270		216		
9. Sex Ratio (Number of females per 1000 males)	Total		979	973		
	Rural		989	1,005		
	Urban		932	917		

Source: Census, 2011

The availability of quality and trained human resources is considered vital as it organizes all other factor of production efficiently for an optimum output.

i) Population:

The total population of the district is 20,93,437 as per 2011 census. Out of the total population 10,61,147 are male and 10,32,290 are female. Population-wise the district ranks sixth among the 30 districts of the State. The percentage of SC & ST population to total population is 9.16% and 50.75% respectively. The growth rate of population (2001-2011) is 14.35%. The density of the population in the district is 216. The urban population of the district is 35.26% of the total population.

ii) Literacy:

Literacy is the important factor in influencing the process of development in general. In this direction, the literacy rate of the district is some how similar to the state literacy rate. The literacy rate of Sundargarh district is 73.34%, which is slightly above the State average of 72.87%. The male literacy is 81.01% and the female literacy is 65.48%. The literacy status reflects that educated people are more in the district which can be utilized in industrial venture or self employed venture.

iii) Occupational Pattern:

Table-4
Composition of workers in the district of Sundargarh (2011 census)

1. Workers and Non-workers		State		District	
		Number	Percentage	Number	Percentage
A.Total Workers (Main and Marginal)	Persons	1,75,41,589	41.79	8,73,227	41.71
	Males	1,19,02,655	56.11	5,84,687	55.10
	Females	56,38,934	27.16	2,88,540	27.95
(i) Main Workers	Persons	1,07,07,543	25.51	5,35,112	25.56
	Males	87,94,413	41.46	4,30,698	40.59
	Females	19,13,130	9.21	1,04,414	10.11
(ii) Marginal Workers	Persons	68,34,046	16.28	3,38,115	16.15
	Males	31,08,242	14.65	1,53,989	14.51
	Females	37,25,804	17.95	1,84,126	17.84
B. Non-Workers	Persons	2,44,32,629	58.21	12,20,210	58.29
	Males	93,09,481	43.89	4,76,460	44.90
	Females	1,51,23,148	72.84	7,43,750	72.05
2. Category of Workers (Main & Marginal)					
(i) Cultivators	Persons	41,03,989	23.4	1,84,273	21.10
	Males	33,75,350	28.36	1,41,620	24.22
	Females	7,28,639	12.92	42,653	14.78
(ii)Agricultural Labourers	Persons	67,39,993	38.42	2,53,327	29.01
	Males	34,81,836	29.25	1,05,394	18.03
	Females	32,58,157	57.78	1,47,933	51.27

(iii) Workers in household industry	Persons	7,83,080	4.46	26,970	3.09
	Males	4,39,215	3.69	18,007	3.08
	Females	3,43,865	6.1	8,963	3.11
(iv) Other Workers	Persons	59,14,527	33.72	4,08,657	46.80
	Males	46,06,254	38.7	3,19,666	54.67
	Females	13,08,273	23.2	88,991	30.84

Source: Census, 2011

According to 2011 census, the total workforce available in the district is 8,73,227. The total main workers are 5,35,112 and the marginal workers in the district are 3,38,115. Occupational classification of worker in the district is reflected in the table-4.

It is observed from the above table that a significant portion of the main worker is engaged in primary sector (Agricultural labourers and Cultivators). The work force engaged in non-farm activities is quite negligible. This implies that the industrial activities are not vibrant in the district. The total no. of non-workers in the district is 12,20,210.

iv) Employment Scenario:

The live register position of employment exchange of the district is one of the important parameter of the human resources utilization. This also reflects both skilled and un-skilled labourer which has got a bearing on the industrial activities of the area. The employment seekers in the live register of the district have been shown in the table below.

Table-5
Employment Seeker in the live register in the Sundargargh District
(in nos.)

Sl. No.	Category	2015-16			2016-17		
		Male	Female	Total	Male	Female	Total
A.	No. of person on the Live Register	32,100	15,711	47,811	30,427	16,353	46,780
I. General							
1.	Matriculate	16,194	5,236	21,430	15,097	4,893	19,990
2.	Intermediate	3,616	4,628	8,245	3,546	5,068	8,632
3.	Graduate	2,662	3,111	5,773	2,786	3,457	6,243
II. Technical							
1.	Skilled Worker	3,538	249	3,787	3,299	205	3,504
2.	Diploma Holder	1,672	461	2,133	1,804	531	2,335

Source: District Employment Exchange, Rourkela

The unemployment among the educated youth both in the technical and non-technical category is increasing gradually as there is less scope for employment in govt. sector. If the industrial activities would pick up, this backlog of unemployed youths could get some avenue to engage themselves in these activities either as employer or employee.

v) Technical Manpower:

The stock of technical manpower of the district is one of the important factors for industrial development as this segment of educated unemployed youth with proper training and motivation can run some enterprises successfully. Besides, there is also good chance of getting job in industrial sector also. A profile of technical education in Sundargarh district is given in the below table.

Table-6
Technical Institutes in Sundargarh District in 2016-17

Sl. No.	Institution	No.
1.	Govt. Engg. Colleges	1
2.	Pvt. Engg. College	4
3.	Govt. Engg. School/ Polytechnique (Diploma)	2
4.	Pvt. Engg. School	3
5.	Govt. ITI/ITC	1
6.	Pvt. ITI/ITC	37

Source: DTE, Odisha

However, there are many technical institutes in the other parts of the State which are producing highly qualified technocrats. The students of this district are also getting chance to get admitted in the State and national level institutes though in less number.

B. Material Resources:

Forest, Agriculture & Mining are main material resources available in the district.

(I) Agriculture:

The economy of Sundargarh district is agrarian in nature. Agriculture plays a dominant role in the economy of the district besides forestry and mining. The percentage of cultivators and agriculture labourers to total main worker constitute 32.70% and 13.50% respectively. The percentage of cultivated area to total area of the district is about 32.23%.

i) Land utilisation pattern:

Land is the primary factor for carrying out any productive activity. The land utilisation pattern given in the table below reflects a comparative picture of utilisation of land in various economic activities including unused land.

Table-7
Land utilization pattern of Sundargarh district (2015-16)
(Area in 000 Hect.)

Sl. No.	Category	Area
1.	Forest Area	180
2.	Cultivable Land	372
3.	Permanent Pasture & Grazing	35
4.	Land put to non agricultural use	63
5.	Barren and uncultivable land	64
6.	Area not Surveyed	257
	Total Geographical Area	971
7.	Net Area Sown	203

Source: Directorate of Economics & Statistics, Odisha.

ii) Cropping Pattern:

Principal agriculture crops produced in the district are Rice, Maize, Ragi, Jowar, Groundnut, Mung, Biri, and mustard etc. The other products of industrial importance are oil seeds like til, castor, soyabean, sunflower, nizer, and linseed etc. Among spices chilly, ginger, and garlic are important. The gross cropped area during are reflected in the below table.

Table-8
Gross cropped area of Sundargarh District, 2016-17
(Area in 000 hect.)

Sl. No.	Items	Area
1.	Total cereals	225.54
2.	Total Pulses	72.53
3.	Total Foodgrains	298.08
4.	Total Oilseeds	37.82
5.	Total vegetables	56.22
6.	Total Condiments	10.27
7.	Total Gross cropped area	403.27

Source: Office of the Deputy Director of Agriculture, Sundargarh

The district's climate is some how suitable for Agricultural production, but due to lack of awareness, the farmers grow non-remunerative crops for own consumption. They should be motivated to change over from consumption crops to cash crops which can be utilised for industrial inputs. The area and production of different agriculture crops in sundargarh is reflected below.

Table-9
Area & production of different agricultural crops during Kharif in Sundargarh district
(Area in hect. and Production in M. tonnes)

Sl. No.	Name of the crops	Karif(2015-16)		Kharif(2016-17)	
		Area	Production	Area	Production
		(in Ha)	(in MT)	(in Ha)	(in MT)
1	HYV Paddy	1,83,595	3,21,842	1,83,013	5,15,182
2	Local Paddy	29,385	36,937	28,695	56,271
Total Paddy		2,12,980	3,58,779	2,11,708	5,71,453
3	HYV Maize	6,639	8,963	6,778	9,252
4	Local Maize	1,395	1,601	1,226	1,420
Total Maize		8,034	10,564	8,004	10,672
5	HYV Jowar	511	351	455	318
6	Local Jowar	699	385	652	366
Total Jowar		1210	736	1107	684
7	Bajra	29	17	30	18
8	Ragi	1,735	1509	1967	1731
9	Small Millets	1,025	615	1,031	629
Total Millets		12,033	13,442	12,139	13,734
Total Cereals		2,25,013	3,72,221	2,23,847	5,85,187
10	Arhar	6,864	6,356	7,096	6,670
11	Greengram	4,985	2,288	5,954	2,792
12	Blackgram	17,132	7,675	17,377	7,993

13	Cowpea	6,452	4,807	6,132	4,660
Total Pulses		35,433	21,126	36,559	22,115
Total Foodgrains		2,60,446	3,93,347	2,60,406	6,07,302
14	Groundnut	3,404	4,085	3,104	3,756
15	Till	20,795	8,859	19,861	8,739
16	Castor	137	69	109	56
Total Oilseeds		24,336	13,013	23,074	12,551
17	Mesta	456	437	426	413
18	Sunhemp	353	336	377	363
Total Fibre		809	773	803	776
19	Sweet Patato	1,976	16,247	1,775	14,626
20	Vegetables	21,461	1,97,162	22,863	2,10,340
Total Vegetables		23,437	2,13,409	24,638	2,24,966
21	Chilli	2,261	1,809	2,313	1,874
22	Turmeric	812	1908	825	1,947
23	Zinger	846	3,421	941	3,820
Total Condiments		3,919	7,138	4,079	7,641
Grand Total		3,12,947	6,27,680	3,13,000	8,53,236

Source: Office of the Deputy Director of Agriculture, Sundargarh

Table-10

**Area & production of different agricultural crops during Rabi in Sundargarh district
(Area in hect. and Production in M. tonnes)**

Sl. No.	Name of the crops	Rabi(2015-16)		Rabi(2016-17)	
		Area	Production	Area	Production
		(in Ha)	(in MT)	(in Ha)	(in MT)
1	HYV Paddy	275	492	342	647
2	Wheat	804	1836	1018	2326
3	Maize	293	433	342	626
Total Cereals		1372	2761	1702	3599
4	Horsegram	21,629	9,962	22,314	10,380
5	Blackgram	392	200	464	239
6	Greengram	3,412	2,047	3307	1983
7	Gram	3,999	2,754	4892	3397
8	F Pea	1954	1,765	2042	1857
9	Lentil	1,196	791	1269	837
10	Cowpea	1,666	1,374	1692	1404
Total Pulses		34,248	18,893	35,980	20,097
11	Mustard	8,401	3,561	9,912	4659
12	Groundnut	276	530	429	852
13	Sesamum	546	239	539	240
14	Castor	113	58	150	78
15	Nizer	2,150	807	2365	899
16	Lineseed	1,175	523	1168	526
17	Sunflower	199	161	190	154

Total Oilseeds		12,860	5,879	14,753	7,408
18	Potato	2,463	19,618	2689	21431
19	Sweet Patato	994	7,174	1054	7610
20	Onion	2,038	11,293	2281	12648
21	Vegetables	25,479	2,30,666	25,566	231506
Total Vegetables		30,974	2,68,751	31590	273195
22	Garlic	1,149	2,116	1435	2654
23	Chilli	2,583	2,341	3069	2792
24	Corriender	1697	1137	1689	1149
Total Condiments		5,429	5,594	6193	6595
25	Sugarcane	76	5,419	69	4,996
Grand Total		84,950	3,01,878	90,277	3,10,894

Source: Office of the Deputy Director of Agriculture, Sundargarh

iii) Land Holdings:

The agricultural productivity is very much depends on the size of land holdings. Fragmented and very small size of land holdings reduces productivity due to problems in using modern method of cultivation. The category-wise no. of holdings of the district with area is reflected in the below table.

Table-11
Category-wise number and area of operational holdings in the Sundargarh District

Sl. No	Category (in hect.)	Total Operational Holdings (No.)	Distribution of Operational Holdings (percent)	Total Area of Operational Holdings (ha)	Distribution of Area of Operational Holdings (percent)	Average Holding Size (ha)
A)	Marginal (< 1 ha)	1,37,657	65.48	93,777	35.26	0.68
B)	Small (1- 2 ha)	52,454	24.95	90,530	34.03	1.73
C)	Semi-medium (2- 4 ha)	15,919	7.57	49,832	18.73	3.13
D)	Medium (4-10 ha)	3,888	1.85	23,645	8.89	6.08
E)	Large (>10 ha)	322	0.15	8,209	3.09	25.49
Total		2,10,240	100.00	2,65,993	100.00	1.27

Source: Odisha Agriculture Statistics, 2013-14

The above table depicts that 65.48% of the total no. of holdings are owned by the marginal farmers with the average holding size of only 0.68 hacter and they hold only 35.26 % of the total area followed by 24.95% by small farmers with 34.03% of the total area. The medium class farmers hold 8.89% of total area. The large farmers though are very less but average holding size is 25.49 hectre.

iv) Agricultural Marketing & Cooperative Society:

Profitability of agriculture depends on existence of good marketing linkages and value addition, which could be achieved by creation of better storage and market yard facilities. There are two cold storages under Govt. and cooperative sector. One cold storage with 1600 M.T capacity located at Rajamunda is owned by RCMS, the other is located at Kuarmunda with 1500 M.T capacity owned by Horticulture Department. Besides, there is one mini cold storage with 500 M.T capacities at Rourkela.

There are unregulated markets and weekly mandies to cater to the marketing needs of the farmers in the district. In fact, there is not much surplus production in the district for which a regulated market can be created. However, it is proposed to set up three regulated markets in future to cater to the needs of the customers/consumers of the various agricultural products. They are at i.) Sundargarh, ii.) Rourkela and iii.) Banei. The blocks such as Lephripara, Tangarapalli and Hemagiri are served by the RMCs. The distance to head quarters, important hats is given in the below table.

Table 12
Distance of the Subdivisional Head Qrs. /Block Head Qrs. /Main Hats

Sl. No.	Name of the Subdivisional Head Qrs./ Block Head Qrs./ Main Hats	Distance on road from State Headquarters (In Kms.)	Distance on road from District Headquarters (In Kms.)	Whether Public or Private, or both Bus Services available
	Sub-divisional Head Qrs.			
1	Sundargarh Sub-Division			
2	Hemgir	467	62	Private Bus
3	Lephripara	432	27	do
4	Tangarpali	418	13	do
5	Sundargarh	405	0	do
6	Subdega	434	29	do
7	Balisankara	451	46	do
8	Baragaon	434	29	do
9	Kutra	457	53	do
10	Rajgangpur	474	69	do
11	Panposh Sub-Division			
12	Lathikata	524	119	do
13	Kuarmunda	526	121	do
14	Nuagaon	561	156	do
15	Bisra	530	125	do
16	Bonai Sub-Division			
17	Bonai	587	182	do
18	Lahunipara	576	171	do
19	Koida	420	232	do
20	Gurundia	413	232	do
	IMPORTANT HATS			
1	Sargipali	423	18	do
2	Bileimunda	468	63	do

3	Subdega	434	29	do
4	Gamlai	378	178	do

Source: District Stistical Handbook, 2015

Each of the 17 blocks in the district has local haats. And there are further potential areas in the district for development of more haats for facilitating the local population. Besides, there are Co-operative societies existing in the district for various activities. The agricultural cooperatives can be tapped for enterprise development in the district.

Table-13
Co-operative Structure in Sundargarh District (2013-14)

A.	AGRICULTURAL CREDIT SOCIETIES :	Number	Members	Loans advanced	
				No.	Amount(Rs.)
1	PACS (Primary Agrl. Co-operative Society)	44	345610	99154.00	29689.88
2	CARD	2	28497	-	-
3	CCB (Central Co-operative Bank)	1	10703	8315.00	54484.33
B.	HOUSING COOPERATIVE SOCIETIES :	Number	Members	Loans advanced	
1	Primary House Building Co-operative Societies	-	-	-	
2	Sub Divisional level HBSC	3	3015	212.14	
C.	NON-AGRICULTURAL CREDIT SOCIETIES :	Number	Members	Loans advanced	
1	Urban Co-operative Bank	1	20490	3497.88	
D.	CONSUMER COOPERATIVE SOCIETIES	Number		Members	
1	Whole Sale Consumer Store	2		1345	
2	Primary Consumer Co-operative Store	20		3621	
3	Employee Consumer Co-operative Store	3		133	
E.	MARKETING COOPERATIVE SOCIETIES :	Number		Members	
1	Regional Co-operative Marketing Societies	3		1187	
2	Co-operative Cold Storage	1		53	
F.	OTHERS : No. of Farmers covered	Sum Assured	Premium collected	Claim paid	Bene-ficiaries
1	Crop Insurance 60289	15644	355.62		
		No. of Card holders			
2	Kisan Credit Card	301186			

Source: District Stistical Handbook, 2015

v) Irrigation:

Irrigation coverage in Sundargarh district is satisfactory. All rivers are rainfed and ground water has been recognized as most dependable source of irrigation. The stage of ground water development in district is 16.9%. The major perennial rivers of the district are Brahmani, IB, Sankah and Koel. Besides there a small rivers /nalas in his block of the district that provides scope for surface irrigation such as private and community lift irrigation structure. Irrigated area in Sundargarh district is as under:

Table-14
Irrigated area (potential created) in 2016-2017 in Sundargarh District
(Area in '000 ha)

Sl. No.	Source	Kharif	Rabi	Total
1.	Major & Medium	15.46	8.14	23.6
2.	Minor (flow)	29.29	4.03	33.32
3.	Minor (Lift)	50.20	22.19	72.39

Source: Office of the Deputy Director of Agriculture, Sundargarh

vi) Farm Mechanism:

Agricultural productivity in the district is remained at low level mainly due to slow pace of adoption of modern practice of agriculture including irrigation. One of the most important factor that affects the agricultural production/productivity in the district is the slow progress in mechanization of farming. There are also ample numbers of repair outlet in the district. There is need of agro service centre in the district. The demand for tractor, power tiller, and agriculture implements in the district is also rising. As regards supply of diesel pumps in the district, these are located in all towns of Sundargarh district. The following table depicts the sale of Agricultural implements from Agricultural Department of Govt. of Orissa during 2015-16.

Table-15
Farm Mechanisation in the District during 2015-2016

Sl. No.	Name of Articles	No.
1.	Tractor	23
2.	Power Tiller	623
3.	Reaper	27
4.	Transplant	32
5.	Rotavetter	71
6.	Power Thresher	18
7.	Special Operated Implement	18
8.	Hybrid Trailor	1
9.	Power Weeder	20
10.	Seed Fert Drill	59

Source: Office of the Deputy Director of Agriculture, Sundargarh

vii) Fertilizer consumption

The fertilizer consumed in the district under different items during 2015-16 & 2016-17 is reflected in the table below.

Table-16
Fertilizer consumption in Sundargarh District
(Nutrient in M.T)

Sl. No.	Year	Season	N	P	K	Total	Per hect. consumption (Kg.)
1.	2015-16	Kharif	5,142	2,776	1,194	9,111	29.11
		Rabi	768	354	161	1283	15.90
2.	2016-17	Kharif	7,216	3,804	1,564	12,584	40.26
		Rabi	511	279	129	919	10.18

Source: Office of the Deputy Director of Agriculture, Sundargarh

(II) Horticulture

The climate and soil content of the district is suitable for growing number of horticulture crops. The agro climatic condition of the district favours cultivation of fruit bearing trees like mango, lemon, guava, papaya, sapota, cashew etc. the high land in the district conditute of the 65% of the net cultivated area with marginal fertility and marginal returns. There is vast scope for exploitation of the uplands. An ambitious programme of the department of the horticulture for strengthening the infrastrure at the block level is implemented. Besides there is wide scope for development of vegetables, mushroom, spices, flowers and there preservation. At present the district administration is encouraging farmers to diversify cropping pattern from traditional crops. The area and production of different horticulturular crops are presented below.

Table-17
Area & Production of different Fruit Crops in Sundargarh district in 2016-17
(Area in hect. & production in M.T)

SL.No.	Name of Fruit Crops	Area	Production
1.	Anola	46	38.2
2.	Banana	1525	30668.1
3.	K. Lime	1630	18840.6
4.	Other Citrus	33	224.48
5.	Guava	824	6461.6
6.	Litchi	935	4565.27
7.	Mango	8883	40344.51
8.	Papaya	153	3435.38
9.	Pineapple	13	160.16
10.	Pomegranate	10	42.57
11.	Sapota	24	140.4
12.	Jack Fruit	869	13355.28
13.	Bael	612	3363.84
14.	Ber	514	2814.45
15.	Other Fruit Crops	1319	7165.67
	Total	17390	131620.51

Source: Deputy Director of Horticulture, Sundarhgarh

Table-18
Area and Production of different Floricultural crops in 2016-17
 (Area in Hect.)

Sr. No	Name of the crop	Area (ha.)	Production
1.	Marigold (production in MT)	130	1180.4
2.	Rose (production in lakh stem)	98	194
3.	Gladioli (Production in lakh no. of Spike)	61	62
4.	Tube Rose(production in MT)	18	40.32

Source: Deputy Director of Horticulture, Sundarhgarh

Table-19
Area & Production of Plantation Crops in 2016-17
 (Area in Ha.)

Sl.No	Crops	Area	Production	
1.	Coconut	582	(in lakh nuts)	37.52
2.	Cashew	2310	(Nuts production in MT)	1200.01
3.	Arecanut	-	(Production. Chali in MT)	-
4.	Oil Palm	-	(Production FFB in MT)	-

Source: Deputy Director of Horticulture, Sundarhgarh

Most of the fruits grown locally are consumed within the district. As the climate of the district is very conducive for many horticultural crops, implementation of the production programme of the concerned department will increase the scope for MSE's in the district based on the locally available resource.

(III) Forests

Forests constitute about 51% of the total area of district. Forests play an important role in the economy of the tribals of this district. The forests of this district are of the following types viz;

- a) Moist Peninsular Valley Sal forests
- b) Dry Peninsular Sal forests
- c) Dry Mixed Deciduous forests
- d) Dry Bamboo forests

The principal forest products of the district are Bamboo, Timber (like Bija, Asan, and Sal), and Kendu leaves. The minor forest products available are siali leaves, myroballans, char seeds, broom sticks, kusum seeds, sunari bark, honey, lac, sabai grass, mohua flower, mahua seeds etc.

The table below gives the Division-Wise Classification of forest areas by legal status and the major and minor forest products and its collection for District.

Table-20
Classification of Forest Areas By Legal Status in Sundargarh
(Area in sq.kms.)

Sl.No.	Type of Area	Area in Sqr. Km.
1.	Total Forest Area	4957.32
2.	Forest Land under control of Forest Deptt. (a) Reserve Forest (b) Un Classifieds Forest.	2651.88 1.72
3.	Forest Land under Control of Revenue Deptt. (a) Demarcated Protected Forest (b) Other Forest	836.85 1466.87

Source: Directorate of Economics & Statistics, Govt. of Odisha.

Table-21
Major and MFP (Minor Forest Products) Items available in the district of Forest Division

Sl. No.	Items	17	Char Seeds
1	Timber	18	Karanja Seeds
2	Firewood	19	Chakunda
3	Bamboo	20	Gilo
4	Sal Seed	21	Neem Seeds
5	Tasar Cocoons	22	Palas Seeds
6	(in Kahan)	23	Bantulsi
7	Mahua Flowers	24	Gabo
8	Tamarind	25	Bagnakhi
9	Yrobolans	26	Indrajab
10	Gum	27	Benacher
11	Siali Leaves	28	Kamalagundi
12	Lac	29	Lodh Bark
13	Dhatki Flower	30	Nedha Bark
14	Broom Grass	31	Phenphena Bark
15	Mahua Seeds	32	Mango Kernel
16	Kusum Seeds	33	Siali Fibres

Source: Divisional Forest Officer, Sundargarh

The possible MSME best in the forest product are wooden furniture, electrical accessories, wooden packing bar, ply wood units etc. Besides this BDA out of Kendu leaves, starch from Tamarind seeds, Tamarind juice concentrate, Ayurvedic drugs, leaf, plates, sabaigrass can be taken up. But since Govt. has imposed restriction for further destruction of forest, the wood best industries can be encouraged.

There is need for organization of technology camps where through video shows and field display the entrepreneurs could be given some exposure for modern technology.

(IV) Fisheries

Despite having a good potential for inland fisheries, the district of Sundargarh is not self-sufficient in fish production. The total area available for pisciculture is more than 2300 hectares. The resource position for pisciculture of the district is given as follows:

Table- 22
Suitable Water Resources in the District

Sl.No.	Category	No.	Area in Ha.
1.	Private Tanks	2,154	944.00
2.	GP Tanks	1,810	1,014.99
3.	Revenue Ponds	210	190.17
4	MIP/KATAS	34	612.13
5	Reservoirs	5	4,264.00

Source: Assistant Director of Fisheries, Sundargarh

Table- 23
Information on Fish Production in the District in 2016-17

Sl.No.	Category	Fish Prod.(MT)
1.	Fresh Water	16,813.9
2.	Total Inland	16,813.9
3.	Marine Land	-
4.	Total	16,813.9

Source: Assistant Director of Fisheries, Sundargarh

(V) Animal Husbandry/Livestock Resources

Livestock rearing has come up to considerable importance for providing alternative means of livelihood for the vast majority of people big, small and landless labourers.

Table- 24
Livestock Population as per 2012 census

Category	Numbers
1. Cattle	6,00,531
2. Buffalo	32,933
3. Goat	5,63,586
4. Sheep	32,192
5. Pig	48,688
6. Poultry	11,06,437

Source: Chief District Veterinary Officer, Sundargarh

Table-25
Veterinary Institutions in the District as on 31-3-17

Veterinary Hospitals/Dispensaries	30
Veterinary Asst. Surgeons/Addl. VAS	31
No. of Livestock Aid Centres	112
LIs/Vety. Technicians	81
Pure AI Centres	131

Source: Directorate of Veterenary & Animal Husbandry, Odisha

The common animal husbandry activities undertaken in the district are diary, poultry, piggery, goatary, sheep rearing etc. There is a vast scope for development of diary and poultry in the district and Govt. have also been emphasizing for development of such activity to meet the

local demand as well as for exporting the products. After meeting the local demand, excess eggs can be used for making poultry eggs, albumen flakes (technical grade) which are used in offset printing as an adhesive in crown corn manufacture and in sophisticated leather tanning. The skin, hide, bone, horn hoof of animals etc. can be used industrially for manufacturing of tanned hide and leather, feed mixing centre and broiler units can also be taken up in Rajgangpur area.

Table-26
Production of Poultry, Milk, Egg and Meat during 2016-17 in the District

Sl. No.	Items	Unit	Amount
1.	Poultry	No.s	11,06,437
2.	Milk	MT	57,920
3.	Egg	Lakh No.s	590.00
4.	Meat	MT	3,920

Source: Chief District Veterinary Officer, Sundargarh

(VI) Mineral Resources

The district occupies a prominent position in the mineral map of the state. The most important minerals of economic value found in the district are Iron Ore, Manganese Ore, Lead Ore, Limestone, Dolomite and Quartz, which are at present being exported in large-scale. Several other valuable minerals like fire clay, coal, bauxite, kaoline, feldspar and kyanite are also found in the district.

Mining activities here dates back to 1898 when limestone was exploited in the undivided Bihar region. Then a systematic and scientific exploitation of manganese at Gadijore, Dolomite at Panposh and Limestone at Birmitrapur is going on in the district. Such mining activities have its influential impact on employment generation in these sectors to the tune of 15,000 persons.

a) Manganese Ore: Manganese is one of the important raw materials used in the manufacturing of steel and is used in the form of ore as such and also as Ferro-Manganese. It is also used in manufacture of chemicals and dry cell batteries. The manganese ore deposit chiefly occurs in Gangpur area. The main deposits are found in Mica, Schiest and Phillites, which extends to area of 64 kms. in length. The Gadijore and Manmunda group of deposits is associated with the typical Gondites and it consist mainly brounite and a small amount of powdery pyrolusite. The occurrence of manganese ore in Gondites has been reported from Gaibra, Pandrisila, kohupani, panchara, Danjamirah and Nakti etc.

b) Lead Ore: The occurrences of Lead Ore in Sundargarh district were first recorded near Sargipali which is being developed by Hindustan Zinc Limited. The principal ore mineral is Galena with a less amount of Sphalerite and Chacopyrite. The other associated ore in minor proportions are pyrite, pyrhotite, arsenopyrite, qubanite and normite.

c) Limestone a Dolomite Limestone and Dolomite stone is one of the most important raw material required in various industries like Cement, Iron, Steel, Chemicals, Fertilizers, Paper and Lime burning. White dolomite is used in glass refractory, detergent, Mozaic, chips and in steel industries.

d) China Clay: The entire production of clay is consumed industries like Ceramics, Paper, textiles, rubber, insecticides, cement, paint, fertilizer, abrasives, electrode, foundry and glass etc.

e) Mica: The notable occurrence of Mica in the district is near Gadiajore, Tangarmunda, Diamunda, Kadalimunda, Bindujharia, Phatanagar etc. It is used in the manufacture of electrical insulators, mica tape, condenser films, heating coil protector, circular washer, telephone oil well drilling, water proofing etc. In powdered form it is used in lubricating oil and in manufacture of pipes and decorative wall papers.

The following table gives a detail picture on mines of Sundargarh district.

Table-27
Working mines, areas covered in different mines in Sundargarh district.

Sl. No.	Name of the Ore/mineral	No. of working mines	Area Covered (in hect.)
1.	Limestone	21	3,852.26
2.	Dolomite	3	408.42
3.	Quartz	2	75.18
4.	Silica Sand	1	129.42
5.	Bauxite	2	149.20
6.	Coal	1	140.20
7.	Iron ore	33	6,694.49
8.	Piroxenite	1	50.66
9.	Manganise Ore	13	1,987.36
10.	Quartz & Quartzite	1	14.67
11.	Quartz & Silica sand	1	11.98
12.	Soap Stone	2	166.43

Source: Directorate of Mines, Odisha

CHAPTER – IV INFRASTRUCTURE

Availability of infrastructure is the sine quanon for industrial development. The rapid growth of industrial activities in an area thus depends on the availability of proper and adequate infrastructure facilities like roads, rails, water, power, finance etc. The available infrastructure facilities in Sundargarh district are analyzed as follows:

(A) Physical Infrastructure

i) Land

The availability of land, which is a primary factor of production, can be assessed from the land utilization pattern of the district, which is already discussed in the previous chapter. It indicates that sufficient area of non-agricultural in nature, vast patch of barren land are available in the district, which can be utilized for industrial purposes. Similarly agricultural land also can be diverted for industrial purpose provided benefits/returns accrues in the later would be more than the former.

Table-28

Position of land and shed/industrial area (in acres) in the district

Sl. no	Name of Area	Total Land area	Land allotted	Prevailing Land rate	Total Sheds	Sheds Allotted	Vacant Sheds
1	Rourkela	35.43	24.47	75	66	66	0
2	Commercial Estate	4.71	0.88	75	20	20	0
3	Kalunga	608.14	402.86	50	175	175	0
4	Mandiakudar	45.43	36.21	20	-	-	0
5	Rajgangpur	60.00	30.01	20	12	0	12
6	Sundergarh	9.59	6.13	15	10	10	0

Source: IDCO, Bhubaneswar

ii) Water

Sundargarh district is having many source of water for industrial use. Water from the flowing rivers like Bramhani, IB, and Koel etc and from the major and minor irrigation projects is sufficiently available in the district. The ground water is also sufficiently available. Besides there are three urban local bodies who have got provision of water supply scheme. A good number of tube wells are functioning in the districts. Both marine and fresh water are also available in the district.

iii) Power

Power is a critical input to start an industry in any place. A total number of 1509 villages with 47% (i.e., 2, 23,537 number) of households have been electrified as on March 2016, though area data regarding block-wise detail of village electrified is not available.

Consumption of electricity in small-scale industries has been steadily increasing. The power is supplied for domestic use, commercial use, Irrigation, Industries sector, public lighting etc.

iv) Railways

The district has railway network of about 271.88 kms (broad gauge) only and passes through 32 railway stations of the district. But the Rourkela is well connected in rail with important cities of India because of its importance as a place of pilgrimage.

v) Road

In the district of Sundargarh road network constitute the most important means of communication for the economic and industrial development as the district has a sizeable spread of road. The state Highways along with the connecting major districts roads makes all weather traffic possible in this district. The district and village roads make communication easy even in interior area of the district. The district has total road length of 14811.97 Kms. with the following break up.

Table-29

Length of different category of roads in Sundargarh district as on 31-3-2017

Sl. No.	Category	Length (in kms.)
1.	National Highways	168.01
2.	State Highways	211.93
3.	Major District Road	320.17
4.	Other District Road	584.21
5.	Classified village road	1819.22
6.	Panchayat Samiti Road	3067
7.	Gram Panchayat Road	7682
8.	Forest Road	687.55
9	Railway Route	271.88
	Total	14811.97

Source: District at a Glance, 2018, Govt. of Odisha

The above table it shows that the Gram Panchayat road constitute the major road network of the district.

The availability of motorized transport is well frequent in the district being an important place of tourists. Chief means of motor vehicles on road in the district are good vehicles, public/private buses, motor car, jeep, taxi, auto rickshaw, motor cycle, scooters and tractor. OSRTC is the only public sector undertaking providing transport services amenities to passengers.

vi) Air Transport

The only airport of the State i.e. Bhubaneswar is 510 Kms. away from the Sundargarh town. Bhubaneswar has now air links with all the metros and other important destination. There is also one Air Strip at Jharsuguda which is 30 kms. away from headquarter. Apartment from these, there is Airport at TATA Nagar in the State of Jharkhand which is about 200 kms. from Rourkela.

vii) Water Transport

There is no facility of water transport in the district taking into account the geographical location of the district.

viii) Post Offices:

There are 403 Post Offices in the district as on 2017. Out of which three are Head Post Office, 82 are Sub-Post Office and others are Branch Post office.

B) Social Infrastructure

i) Branch MSME-DI, Rourkela

Branch MSME-DI, Rourkela under MSME-DI, Cuttack provides techno-economic and managerial assistance/consultancy service including training on EDP, MDP, ESDP, preparation of project profile besides sensitizing the educated unemployed youths to go for self enterprising venture in MSME sector based on the resources available and consumption pattern of the people. Various programmes are also conducted from time to time in different parts of the district. Besides interested persons, entrepreneurs also visit MSME-DI, for getting the assistance.

ii) Regional Industries Centre, Rourkela & District Industries Centre, Sundargarh

RIC, Rourkela and DIC, Sundargarh deals with identification of prospective items, registration of MSE units, preparation of schemes, feasibility report, arrangement of land and other facilities, marketing assistance and training etc. Schemes of KVIC such as PMEGP scheme is also being implemented through RIC/DIC. These are the nodal agencies in the district so far for the promotion of industries in the district is concerned.

iii) IDCO

Orissa Industrial Infrastructural Development Corporation commonly known as IDCO is rendering help to entrepreneurs of the district whose main function is development of industrial estate, industrial areas, provision of industrial infrastructure and amenities and allotment of built up sheds and plots etc.

iv) Orissa Rural Marketing Society (ORMAS)

ORMAS is operating in the district for facilitating raw materials and marketing of rural products.

v) DRDA

District supplies and marketing societies have been functioning under the supervision and control of DRDA at Sundargarh. It provides marketing support to rural artisan and village industries.

vi) KVIC

The KVIC office at Bhubaneswar & Sambalpur is providing forward and backward linkages, equipment and financial assistance for implementing its own programme.

Besides nationalised Banks, OSFC & NABARD also conducting different programmes including awareness programme, seminars and symposium etc. for entrepreneurship development.

Still, there is need of more concentrated effort in this direction to accelerate the process of industrialization in the district.

vii) Market Potentials

There is tremendous scope to market the products made out of locally available resources in the district. The surplus resources of marine, agriculture, horticulture etc. can be processed by making value addition, which will find a ready market in the district as well as in

the nearby districts. The products produced in the district also find avenues to market in the nearby cities/districts depending upon the price and other factors.

The name of important Hats (Market) and their distance from district hqrs. is reflected below.

Table-30
Main Hats (Markets) in Sundargarh District

Sl. No.	Name of the market	Distance from district hqrs.	Availability of public/private bus services
1.	Sargipali	18 km.	Both Private and Government buses
2.	Bileimunda	63 km.	Private Bus
3.	Sabdega	29 km.	Both Private & Govt. buses
4.	Tangrapali	13 km.	-do-
5.	Lefpripada	27 km.	-do-
6.	Hemagiri	62 km.	-do-
7.	Sabdega	29 km.	Both private & government buses
8.	Balisankar	46 km.	Private bus
9.	Baragaon	29 km.	-do-
10.	Kutra	53 km.	Both Private and Government Buses
11.	Rajganpur	69 km.	Both private & Government buses
12.	Panposh	107 km.	-do-
13.	Rourkela	110 km.	-do-
14.	Kuanmunda	121 km.	-do-
15.	Lathikatha	119 km.	-do-
16.	Nuagaon	156km.	-do-
17.	Bishra	125 km.	-do-
18.	Bonai	182 km.	-do-
19.	Lahunipada	171 km.	-do-
20.	Gurundia	208 km.	-do-
21.	Koira	232 km.	-do-

Source: District Stastical Handbook, Sundargarh

viii) Lending Institutions

Financial infrastructure of an area plays a vital role for the promotion and development of industrial activities. It is needless to mention that timely and adequate credit dispensation speaks about the sound health of the credit delivery system. It determines the capacity to mobilize adequate resources at competitive rate and deploys the same profitably.

A total of 261 retail outlets of Banks & Financial Institutions are giving credit in the district. Branches of different Commercial Banks are reflected in the table below.

Table-31**Branches of different banks in Sundargarh District as on 31.03.2017**

SI NO	Bank Name	Total
1	Allahabad Bank	2
2	Andhra Bank	6
3	BOB	6
4	BOI	14
5	<i>BOM</i>	1
6	Canara Bank	10
7	CBI	10
8	Corporation Bank	1
9	Dena Bank	1
10	IDBI BANK	2
11	Indian Bank	2
12	IOB	4
13	OBC	5
14	P &S BANK	1
15	PNB	9
16	SBI	68
17	Syndicate Bank	4
18	UCO Bank	10
19	Union Bank	7
20	UBI	14
21	Vijaya Bank	2
22	Axis Bank Ltd	8
23	BANDHAN BANK	2
24	DCB	2
25	Federal Bank	1
26	HDFC Bank	6
27	ICICI Bank	12
28	Indus Ind Bank	2
29	Karnatak Bank Ltd.	1
30	Karur Vysya Bank	1
31	Kotak Mahindra Bank	2
32	Yes Bank	1
33	UGB	22
34	SDCCB	16
35	OSCB	1
36	URBAN COOP BANK	5
	TOTAL	261

Source: Lead District Manager, Lead Bank Office, Sundargarh

It is to be mentioned that the flow of credit to the non farm sector (MSME) in the district does not depict an encouraging trend considering the need of this sector. The Banking Profile during last two years is reflected below.

Table-32

Present Scenario of banking structure in Sundargarh District

Sr. No	Name of the Banks	No. of Branches	CD Ratio	Deposits (Rs. in lakh)	Advances (Rs. in lakh)
1.	2016-17	261	46.62	15749.27	7341.78
2.	2017-18	261	47.67	17134.52	8168.84

Source: 151st SLBC Agenda Report

As on 31-03-2018 the total advances to MSME sector by Commercial Banks was 2,01,600 Lakhs which is not encouraging. The loans disbursed under various schemes are provided below.

Table-33

Loans sanctioned in Sundargarh District during 2017-18

Sr. No	Scheme	No. of Beneficiaries	Amount Disbursed (in Lakh)	Remarks
1.	PMEGP*	85	215.18	406 No. of Employment generated
2.	CGTMSE	802	6572.28	-
3.	STAND UP INDIA	56	8,89	-
4.	PMMY	1,35,133	47,576	-
5.	MSMEs	-	2,01,600	73.84 % of the Target achieved

Source: 151st SLBC Agenda Report & *KVIC web portal

C) Incentives for MSMEs by Government

Incentives play an important role in boosting the industrial activity in an area. It speeds up the process of industrialisation. The mission of the Industrial Policy Resolution, 2015, Govt. of Orissa is to create a business climate conducive to accelerate investment in industry & infrastructure projects, raise income, employment and economic growth in the state and reduce regional disparities in economic development. For the promotion and development of MSMEs in the district and as well as in the state the IPR, 2015 provide certain benefits/concessions to the MSME in various areas. The highlights of Odisha Industrial Policy Resolution, 2015 is provided at Annexure-B and other policies for MSMEs of Government of Odisha are reflected at Annexure-C.

1. NMCP Schemes

The Government of India has announced formulation of National Manufacturer Competitiveness Programme in 2005 with an objective to support the Micro, Small and Medium Enterprises (MSMEs) in their endeavor to become competitive and adjust the competitive pressure caused by liberalization and modernization of tariff rates. The components of these Schemes are as follow:

i) **Digital MSME:**

The objectives of "Digital MSME" Scheme are promotion of Information & Communication Technology (ICT) in MSME Sector and to motivate MSMEs to adopt ICT tools and applications in their business processes. The scheme is revolving around Cloud Computing which is emerging as a cost effective and viable alternative

in comparison to in-house IT infrastructure installed by MSMEs. The scheme also has provision to give subsidy of Rs. 1 lakh per unit for user charges for a period of 2 years.

- ii) **Lean Manufacturing Competitiveness Scheme (LMCS):** The objective of this scheme is to increase the competitiveness of the MSME Sector through the adoption of LM techniques with the objective of reducing waste, increasing productivity, introducing innovative practices for improving overall competitiveness, inculcating good management system and imbibing a culture of continuous improvement.
- iii) **Design Clinic Scheme for MSMEs:** The main objective of the Design Clinic is to bring the MSME Sector and design expertise on a common platform, to provide expert advice and solutions on real time design problems resulting in continuous improvement and value addition for existing products.
- iv) **Building Awareness on Intellectual Property Rights (IPRs):** The objective of this scheme is to enhance the awareness of MSMEs about Intellectual Property Rights (IPRs) to take measure for protecting their ideas and business strategies. Effective utilization of IPR tools like patents, trade marks, copy rights, GI etc. by MSMEs would also assist them in technology upgradation and enhancing competitiveness.
- v) **Support for Entrepreneurial and Managerial Development of SMEs through Incubation:** The main objective of this scheme is to assist incubation of innovative business ideas that could be commercialized in a short period of time resulting in the formation of MSMEs that have distinctive presence in the market. The scheme is implemented in a PPP mode.
- vi) **Zero Defect Zero Effect:** - The scheme is an extensive drive to create proper awareness in MSMEs about ZED manufacturing and motivate them for assessment of their enterprise for ZED and support them. The objective is to drive manufacturing with adoption of Zero Defect production processes without impacting the environment (Zero Effect).

2. Marketing Assistance & Technology up gradation (MATU) Scheme for MSMEs:- This programme aims at improving the marketing competitiveness of MSME sector in the Domestic as well as International market by improving their techniques and technologies, promotion of exports and to provide a check on imports also.

- (i) **Domestic Fair/ Exhibition:** To encourage manufacturing Micro and Small Enterprises (MSEs) in their efforts of tapping and developing domestic markets.
- (ii) **International Cooperation:** To encourage manufacturing Micro and Small Enterprise Associations for tapping and developing overseas markets.
- (iii) **National/International Workshop:** International/National Workshops/Seminars on Marketing/Packaging are organized for promotion of new marketing techniques, emerging global marketing/product innovation trends in various product and services verticals, development in packaging, reviewing public procurements with Central Ministries/Departments/Central Public Sector Undertakings (CPSUs) under Public Procurement Policy 2012 for MSEs and topics relevant to MSME sector.

- (iv) **Vendor Development Programme (VDP) for Ancillarisation:** VDPs are being organized by MSME Development Institutes to provide common platform to PSEs/Large Scale Enterprises both in public and private sector as buyers and MSME units as sellers in order to provide appropriate market linkages and facilitate a business tie-up between them for mutual benefit.

3. Scheme of National Award: The Ministry of Micro, Small & Medium Enterprises (MSMEs), Government of India with a view to recognize the efforts and contribution of MSMEs confers Awards annually to selected enterprises under the Scheme of National Award. The awards are given for various categories such as Innovation, outstanding Entrepreneurship (Manufacturing and Service), Lean Manufacturing, Quality Products, export award and outstanding performance awards to states.

4. Micro & Small Enterprises Cluster Development Programme (MSE-CDP): The O/o. DC(MSME) launched MSE-CDP for holistic development of selected MSEs clusters through value chain and supply chain management on co-operative basis. This aims at holistic and integrated development of MSEs through Soft Interventions, Hard Interventions and Infrastructure Up gradation.

5. Credit:-

- (a) **CLCSS Scheme:** The CLCSS Scheme aims at facilitating Technology Up gradation of Micro and Small Enterprises by providing 15% capital subsidy on institutional finance availed by them for induction of well established and improved technology in approved sub-sectors/products. The admissible capital subsidy under the revised scheme is calculated with reference to purchase price of Plant and Machinery.
- (b) **CGTMSE:** - The objective of the scheme is to provide funding to MSMES without collateral security and /or third party guarantee. The credit facility is up to Rs.2.00 Crore per borrowing unit. SIDBI and NABARD are implementing agencies. All financial institutions, Member Lending Institutions (MLIs) are eligible to finance the MSEs.
- (c) **PMEGP:** - The objective of the scheme is (i) to generate employment opportunities through self-employment through establishment of micro-enterprises in non-farm sector. (ii) to arrest migration of rural youths to urban areas; and (iii) to increase the wage earning capacity of artisans. KVIC is the nodal implementing agency at the national level. KVIB & DIC are the implementing agency at the state level.

6. Recent Initiatives for Promotion and Development of MSMEs:-

a) **Udyog Aadhaar Memorandum (UAM)** - This office provides handholding support for online registration of running MSME units under UAM. It makes the registration process easier for small businesses by using AADHAR No/Mobile no/Email ID of the applicant. The facility is provided by M/o MSME free of cost. No agency/Representative/Franchise has been appointed by Govt. of India for UAM registration. The details could be viewed at <https://udyogaadhaar.gov.in>.

b) MSME Samadhaan Portal -

Office of DC (MSME) has taken an initiative by launching MSME Samadhaan Portal for filing online application by the supplier MSE unit against the buyer of goods/services before the concerned MSEFC of his/her State/UT. These will be viewed by MSEFC Council for their actions. These will be also visible to Concerned Central Ministries, Departments, CPSEs, State Government, etc for pro-active actions. The details could be viewed <https://samadhaan.msme.gov.in>.

c) **MSME SAMBANDH:** - A Public Procurement Portal called 'MSME Sambandh' was launched by M/o MSME. The objective of the portal is to monitor the implementation of the Public Procurement from MSEs by Central Public Sector Enterprises. The details could be viewed at <https://sambandh.msme.gov.in>.

d) **Udyami Sakhi:** - On the occasion of International Women's Day on 8th March, the Ministry of Micro, Small and Medium Enterprises (MSME) launched a portal for women entrepreneurs of India called Udyam Sakhi. The portal is a network for nurturing entrepreneurship and creating business models for low cost products and services in order to empower women and make them self-reliant and self-sufficient. The details could be viewed at www.udyamsakhi.org.

CHAPTER - V
PRESENT INDUSTRIAL SCENARIO

A thorough analysis of the present industrial structure would enable to know the extent to which the industrial development has progressed in the district. As already discussed, there is existence of requisite factors including surplus resources and cheap labour forces etc for development of industries in the district. In spite of all these favourable factors the district has not made an expected headway in the industrial development. The District Industries Centre at Sundargarh and RIC at Rourkela, the promotional agencies working at the grass root level of the district have come into existence in the year 1978. Various steps have been taken for the promotion of industrial activities in the district. Further, the latest Industrial Policy Resolution (IPR) of 2015 by the State Government has provided various incentives for the sustained growth of industries. In addition to this Government of India have also declared a number of policy incentives for the growth of the small scale sector.

1. Industrial Scenario

Table-34
Industry at a Glance

Sr. No.	Head	Unit	Particulars
1.	Registered Industrial Unit	No.	4540
2.	Total Industrial Unit(GIP)	No.	16106
3.	Registered Medium & Large Unit	No.	75
4.	Employment in Small Scale Industries	No.	48292
5.	Employment in large and medium industries	No.	49558
6.	No. of Industrial Area	No.	6
7.	Investment of Small Scale Industries	In Lakhs	39716
8.	Investment of medium and large scale industries	In Lakhs	1083737.96

Source: Directorate of Industries, Cuttack, Odisha

2. Year Wise Trend of Units Registered (GIP):

Table-35 MSMEs gone into production in Sundargarh during 1991-1992 to 2016-17				
Sl. No.	Year	Nos.	Investment in Lakhs	Employment
1	1991-92	209	903.57	1998
2	1992-93	250	1355.96	2570
3	1993-94	281	1407.74	2406
4	1994-95	284	891.74	2014
5	1995-96	326	925.08	1773
6	1996-97	400	1489.77	2228
7	1997-98	371	1320.25	2035
8	1998-99	379	2648.98	2498
9	1999-00	408	1967.51	2258
10	2000-01	425	1649.08	2499
11	2001-02	330	2267.25	1458
12	2002-03	425	1504.6	1660

13	2003-04	455	1708.97	2323
14	2004-05	482	3350.22	2786
15	2005-06	540	4436.42	3757
16	2006-07	457	2896.28	2147
17	2007-08	395	5840.58	2109
18	2008-09	407	2564.14	1589
19	2009-10	436	3136.83	1746
20	2010-11	504	4562.66	2138
21	2011-12	492	7537.8	2422
22	2012-13	494	5723.77	3080
23	2013-14	720	8453.22	3710
24	2014-15	3229	20445.13	13079
25	2015-16	464	1539.74	1342
26	2016-17	4536	17297.93	12512
TOTAL		17699	107825.22	80137

Source: Directorate of Industries, Cuttack, Odisha

3. Details of Existing Micro & Small Enterprises Units in the District

Sl. No.	Category Name	No. of SSI unit set up	Investment (Rs. in lakh)	Employment (No.s)
1	FOOD AND ALLIED	2093	9299.09	7984
2	CHEMICAL & ALLIED	301	3464.72	3107
3	ELECTRICAL & ELECTRONICS	191	730.42	1223
4	ENGINEERING & METAL BASED	2432	31639.25	28921
5	FOREST & WOOD BASED	311	373.97	1993
6	GLASS & CERAMICS	704	10324.75	18877
7	LIVESTOCK & LEATHER	52	76.31	254
8	PAPER & PAPER PRODUCT	313	1346.94	1972
9	RUBBER & PLASTICS	219	3455.49	1628
10	TEXTILES	442	645.23	2176
11	MISC. MANUFACTURING	880	2950.38	5653
12	REPAIRING & SERVICING	8168	31317.69	29732
Total		16106	95624.24	103520

Source: Directorate of Industries, Cuttack, Odisha

4. Large Scale Industries

Sl. No	Name and Address of the unit	Investment (Rs. in lakh)	Employment	Item of Product
1	PRABHU SPONGE PVT.LTD. , JHAGARPUR,KESHRAMAL, O.C.L.APPROCH ROAD,RAJGANGPUR	1300	47	SPONGE IRON
2	SCAN STEEL LTD.UNIT-II ,BAI BAI,TUDALAGA, NEAR BARGAON,	440	130	MS INGOTS

	SUNDARGARH			
3	SCAN STEEL LTD., UNIT-I ,MAIN ROAD, RAMBAHAL, LAING , SUNDARGARH	2013.53	475	SPONGE IRON
4	SCAN STEEL LTD., UNIT-III, BUDHAKATA, BIRINGATALI, SUNDARGARH	4000	385	POWER PLANT
5	LARSON & TURBO LTD. , KANSBAHAL	18203.64	1681	STEEL STRU.,CASTING, MECHINERY MFG.
6	O.C.L.INDIA LTD.(SPONGE IRON DIVISION) , JAMPALI, LAMLOI, RAJGANGPUR	3759.19	928	SPONGE IRON
7	O.C.L.INDIA LTD. , RAJGANGPUR	18169	748	CEMENT
8	AGRASEN SPONGE PVT.LTD. , MANDIAKUDAR , SUNDARGARH	1000	94	SPONGE IRON
9	SHIVA CEMENT LTD. , TELIGHANA, KUTRA, SUNDARGARH	1390	320	CLINKER
10	BASUNDHARA METALICS PVT.LTD. , GOPALPUR,HEMGIRI,SUNDARGARH	730	49	SPONGE IRON
11	SRIRAM SPONGE & STEEL PVT.LTD. , BILEIGARH,SUNDARGARH	993.9	134	PENCIL INGOTS
12	PAWANJOY SPONGE IRON LTD. , BIJABAHAL,ROURKELA	2100	219	SPONGE IRON
13	MAA TARINI INDS. (P) LTD., BALANDA , KALUNGA	1400	189	SPONGE IRON
14	ADHUNIK METALICS (P) LTD.(NEEPAZ) CHADRI	5800	3479	SPONGE IRON
15	MANGALM ISPAT (P) LTD. ,USHRA	1200	130	SPONGE IRON
16	SHREE MAHAVIR FERRO ALLOYS JIABAHAL	2014	97	SPONGE IRON
17	UTKAL METALICS LTD., INDL. AREA, KALUNGA	1200	111	SPONGE IRON
18	SHREE GANESH METALICS LTD. , CHADRI	4800	138	SPONGE IRON
19	JAGANNATH SPONGE (P) LTD. , KUARMUNDA	700	54	SPONGE IRON
20	VEDVYAS ISPAT LTD. , CHADRI , KUARMUNDA	2300	70	SPONGE IRON
21	BAJARANG SPONGE IRON (P) LTD. , KUARMUNDA	2800	143	SPONGE IRON
22	SRI BALAJI METALICS (P) LTD. , KHAIRBANDH	1400	169	SPONGE IRON
23	GOVINDAM PROJECTS (P) LTD. , KALOSIRA	2400	117	SPONGE IRON
24	META SPONGE PVT. LTD. , I.E. KALUNGA	650	63	SPONGE IRON
25	SITA SPONGE LTD. ,I.E. KALUNGA	700	80	SPONGE IRON
26	JAI BALAJI JYOTI STEELS LTD., TANISAR	10000	826	SPONGE IRON
27	JAY IRON & STEEL LTD. ,BALANDA	2400	102	SPONGE IRON
28	HINDUSTAN AQUA LTD. ,I.E. KALUNGA	2150	53	COCACOLA, THUMPSUP,

				FANTA & SPRITE
29	ROURKELA STEEL PLANT, ROURKELA	606507	30831	STEEL AND IRON
30	GULF OIL CORPORATION LTD.(III), SONAPARBAT	900	625	EXPLOSIVE MATRIX
31	SHASHAWAT INTERNATIONAL LTD(ORISSA INDS), LATHIKATA	2500	783	REFRATORIES & CEREMICS PRDTS.
32	ASIATIC GASES LTD. ,VEDVYAS	779	46	DISOLVED ACITYLENE
33	JINDAL STEEL & POWER LTD. ,TENZA	56628	169	NON- AGLOMERATED IRON CHIPS
34	PRAKASH INDUTRIES LTD. ,KOIRA	688	130	NON- AGLOMERETED IRON CHIPS
35	IFGL REFRATORIES LTD. , I.E. KALUNGA	650	211	REFRATORIES & CEREMIC PRODUCTS
36	PASSARY MINERALS LTD. ,BIJABAHAL	1100	106	REACTIVE ALLUMINA, MAGNESITE, ZIRCONIA ETC
37	SPONGE UDYOG (P) LTD. , JIABAHAL	2400	80	SPONGE IRON
38	NIXON STEELS & POWER LTD. , I.E KALUNGA	4000	192	SPONGE IRON
39	KALINGA SPONGE IRON LTD., INDL. AREA KALUNGA	2400	161	SPONGE IRON
40	KHEDERIA ISPAT LTD. , KUARMUNDA	890	87	SPONGE IRON
41	MAA VAISHNVI SPONGE LTD. , INDL. AREA KALUNGA	1400	202	SPONGE IRON
42	INDIA EXPLOSIVE, INDL. AREA KALUNGA	880	0	BULK PREMIX
43	SWASTIK ISPAT (P) LTD. , PLANT SIDE ROAD, ROURKELA	700	59	SPONGE IRON
44	OMKAR STEELS (P) LTD. , CIVIL TOWNSHIP	800	0	M.S. INGOT STEEL PRODUCTS
45	SUBHAM INDUSTRIES LTD. , BIJABAHAL KUMJHARIA	784	0	PORTLAND CEMENT
46	SHREE HARI SPONGE PVT.LTD. KENDRIKELA,BONEI,ROURKELA	1200	48	SPONGE IRON
47	ORES ISPAT PVT. LTD. ,GURUNDIPALI	700	72	SPONGE IRON
48	MAHAKALI ISPAT PVT.LTD. GURUNDUPALI, BANEI, SUNDARGARH	0	0	SPONGE IRON
49	BHASKAR STEEL & FERRO ALLOYS LTD., BAD TUMKELA, BONEI, SUNDARGARH	700	325	STEEL
50	MONIKA HOLDING PVT.LTD. , BUDTUMKELA, LAHUNIPADA	700	46	SPONGE IRON
51	SURENDRA MINING INDS. PVT.LTD. , BARAHMUSHA, BONEI	700	147	SPONGE IRON
52	MAA SAKUMBARI SPONGE PVT.LTD. , NALAKENBAHAL, KUANRMUNDA	1200	77	SPONGE IRON

53	VISHAL METALLIKS PVT.LTD. , BARAHMUSHA,BONEI	1200	114	
54	SHIV METALLIKS PVT.LTD , GURUNDIPALI, BANEI	1200	122	SPONGE IRON
55	MAA VISION SPONGE LTD. ,I.E. KALUNGA, ROURKELA	900	224	SPONGE IRON
56	SAI SRADHA SPONGE PVT. LTD. , BIJABAHALA,KHAJURIA, SUNDARGARH	800	30	
57	RUNGTA MINES LTD. ,KUARMUNDA , KALTA	227500	409	SPONGE IRON
58	SURAJ PRODUCTS LTD.(CHAMPION CEMENT)	263.7	40	CEMENT
59	KAUSAYA FERRO METAL PVT. LTD. , PODABAHAL ,KUNDUKELA	850	144	SPONGE IRON
60	OCL LTD. , RAJGANGPUR	25779	1041	REFRACTORIES
61	T.R.CHEMICALS PVT. LTD. ,BARPALI , RAJGANGPUR	700	131	SPONGE IRON
62	RUNGTA MINES PVT LTD. , KAMANDO,KOIDA	4300	307	PORTLAND CEMENT

Source: Directorate of Industries, Cuttack, Odisha

5. Medium Scale Enterprises:

Sl. No	Name and Address of the unit	Investment (Rs. in lakh)	Employment	Item of Product
1	SURAJ PRODUCTS LTD., KHESHRAMAL,BARPALI, RAJGANGPUR, SUNDARGARH	1200	81	
2	ASHOK SYNTHETICS LTD. , KIREI, SUNDARGARH	1316	0	SYNTHETIC YARN
3	HARI MECHINES LTD. , RAJGANGPUR	15700	490	INDUSTRIAL MECHINERIES
4	VIPRA INDUSTRIES PVT.LTD. , MANDIAKUDAR,CHUNGIMATI , SUNDARGARH	800	100	SILICA MANGANESE
5	POOJA SPONGE (P) LTD. , I.E KALUNGA	2400	88	SPONGE IRON
6	RELIABLE SPONGE (P) LTD. , BONAI	2400	100	SPONGE IRON
7	B.R.SPONGE & POWER (P) LTD. , RAJAMUNDA	3600	140	SPONGE IRON
8	REXON STRIPS LTD. ,KUMKELA	950	200	SPONGE IRON
9	SRI MAHABIR FERRO ALLOYS (P) LTD. ,C/12, C & B COMPLEX , KACHERY ROAD	2400	119	SPONGE IRON
10	VIKRAM STEEL & FERRO ALLOYS PVT.LTD. ,BANEI , SUNDARGARH	2300	141	SPONGE IRON
11	ICI INDIA LTD. , I.E.KALUNGA,RAURKELA	1000	38	

12	SRI SALASAR ORES & MINERALS, KADODIHA ,KOIDA	960	21	MEG. OF IRON & STEEL
13	KGN CEMENT LTD. , MANDIAKUDAR, SUNDERGARH	0	50	

Source: Directorate of Industries, Cuttack, Odisha

6. UAM registered Medium Scale Enterprises in the district.

Table-39

UAM registered Medium Enterprises in Sundargarh District

Sl. No.	Enterprise Name	Address	Total Empl.	Investment Cost (Rs Lakh)	Major Activity
1	GAJALAXMI BUSINESS ENTERPRISES PRIVATE LIMITED	V/4, CIVIL TOWNSHIP, ROURKELA	200	330	SERVICES
2	BAJRANGBALI RE-ROLLERS PVT LTD	LAL BUILDING KACHERI ROAD ROURKELA	120	904	MANUFACTURING
3	ANU CREATIONS	S-29 CIVIL TOWNSHIP ROURKELA	4	1000	MANUFACTURING
4	UTKAL TRADING CO PVT LTD	KACHERY ROAD , ROURKELA	8	247	SERVICES
5	D V STEEL INDUSTRIES PRIVATE LIMITED	C-4 SETH DEOKARAN DAS COMML COMPLEX KACHERY ROAD, ROURKELA	11	950	MANUFACTURING
6	SHREE JAGANNATH ENGINEERS PVT LTD	PLOT NO-A/2, IDCO, INDUSTRIAL ESTATE, KALUNGA	80	540	MANUFACTURING
7	SATGURU METAL & POWER PVT LTD	QR.NO. CCC/23, FIRST FLOOR,CIVIL TOWNSHIP,ROURKELA	80	827	MANUFACTURING
8	SAHEB SIRAJ INDUSTRIES PRIVATE LIMITED	PLOT NO. 883/1, KHATA NO. 30, VILLAGE MASNIKANI, P.O. BHEDABAHAL, DISTT. SUNDARGARH, ODISHA	30	550	MANUFACTURING
9	JETHSON BUILDERS PVT. LTD.	B-32 ,INDUSTRIAL ESTATE, ROURKELA	20	452	SERVICES
10	EASTERN ALLOYS PRIVATE LIMITED	AT - GOIBHANGA, POST. KALUNGA,	124	972	MANUFACTURING
11	BHARAT INDUSTRIAL PROJECTS PVT LTD	SHANTI MEMORIAL HOSPITAL LANE, UDITNAGAR, ROURKELA	200	300	SERVICES
12	BHARAT INDUSTRIAL PROJECTS PVT LTD	SHANTI MEMORIAL HOSPITAL LANE, UDITNAGAR	200	300	SERVICES
13	EASTERN EQUIPMENT AND ENGINEERS PRIVATE LIMITED.	PLOT NO: 15/53, IDC ROAD BRAHMANI TARANGA, SUNDARGARH, ODISHA	51	1000	MANUFACTURING
14	POLYTECH WIRE AND CABLES PVT LIMITED	B-5 ,JAGARNATH COMPLEX ,UDIT NAGAR ,ROURKELA	10	600	MANUFACTURING

15	OM SAI ENGINEERING	PWD/LA/2 JAIL ROAD, INDUSTRIAL ESTATE, ROURKELA	35	250	SERVICES
16	OM SAI ENGINEERING	PWD/LA/2 JAIL ROAD ROURKELA	35	250	SERVICES
17	POLYTECH WIRE AND CABLES PVT. LTD.	B/05, JAGANNATH COMPLEX, UDITNAGAR, MAIN ROAD,ROURKELA	10	600	MANUFACTURING
18	POLYTECH WIRE AND CABLES PVT. LTD.	B/05, JAGARNATH COMPLEX, UDITNAGAR, MAIN ROAD	10	600	MANUFACTURING
19	SHIVAM AGGREGATES PVT LTD	AT: GOTIDHARA PO: BALANDA	24	531	MANUFACTURING
20	VIKRAM PRIVATE LIMITED	VILL & POST : TUMKELA, TEHSIL : LAHUNIPARA, DIST : SUNDARGARH, ODISHA-700013	171	990	MANUFACTURING
21	M/S SAHOO ENTERPRISES	QR NO - DE/167,BASANTI COLONY,ROURKELA,769012	3	322	SERVICES
22	SAHOO ENTERPRISES	Q.R NO.-DE/167,BASANTI COLONY,ROURKELA	300	322	SERVICES
23	M/S. SHIVAM AGGREGATES PVT. LTD. (UNIT-II)	BB/5, VYAS COMPLEX, PANPOSH ROAD, ROURKELA-769004	35	530	MANUFACTURING
24	JAY IRON & STEELS LIMITED	AT/PO BALANDA NEAR KALUNGA DIST-SUNDARGARH	107	800	MANUFACTURING
25	JAY IRON & STEELS LIMITED	AT/PO BALANDA,NEAR KALUNGA DIST-SUNDARGARH	107	800	MANUFACTURING
26	M/S. M. B. REDDY & CO	AT:-D/338,KOELNAGAR,P.O:-ROURKELA-14	100	600	MANUFACTURING

Source: https://udyogaadhaar.gov.in/UA/MSMEDI/UAM_Report.aspx

7. Udyog Aadhaar Regd. Enterprises of Sundargarh vis-à-vis Other districts of Odisha

Table-40

UAM registered enterprises in Sundargarh district

Sl No.	District Name	Udyog Aadhaar Regd.	Micro	Small	Medium
1	ANGUL	1212	971	229	12
2	BALANGIR	624	516	105	3
3	BALASORE	24901	24683	206	12
4	BARGARH	584	453	128	3
5	BHADRAK	3488	3417	70	1
6	BOUDH	2087	2068	18	1
7	CUTTACK	7676	6936	703	37
8	DEOGARH	49	45	3	1
9	DHENKANAL	627	542	81	4
10	GAJAPATI	403	366	37	0
11	GANJAM	5766	5298	462	6
12	JAGATSINGHPUR	829	495	333	1
13	JAJPUR	959	806	146	7
14	JHARSUGUDA	348	228	114	6
15	KALAHANDI	382	294	84	4
16	KANDHAMAL	285	254	29	2

17	KENDRAPARA	453	409	43	1
18	KENDUJHAR	370	303	64	3
19	KHORDHA	7161	5484	1606	71
20	KORAPUT	748	576	170	2
21	MALKANGIRI	148	142	6	0
22	MAYURBHANJ	873	798	73	2
23	NABARANGAPUR	303	262	41	0
24	NAYAGARH	885	817	68	0
25	NUAPADA	138	115	23	0
26	PURI	4577	4356	216	5
27	RAYAGADA	681	567	110	4
28	SAMBALPUR	780	564	211	5
29	SONEPUR	335	304	28	3
30	SUNDARGARH	2100	1499	575	26
	Total	69,772	63,568	5,982	222

Source: https://udyogaadhaar.gov.in/UA/MSMEDI/UAM_Report.aspx

8. Ancillary & Downstream Industries

The district has tremendous potentialities for setting of Ancillary and Down Stream Industries as about 75 large and medium Scale industries including PSUs are working in the district.

DIC, Sundargarh has identified items of products for promotion as Ancillary unit with respect to Mahanadi Coalfields Ltd. (MCL), Sundargarh. Mining operation of M/S. MCL is highly mechanized and it requires huge quantity of items for its operation. The feasible Ancillary Enterprises of M/S. MCL is given below.

Table-41
Feasible Ancillary Enterprises of MCL

Sl No.	Items
1	Drill Rod
2	Coal Drill Bit
3	M.S Nuts & Bolts
4	M.S Electrodes
5	Coal Tub Body and Frame
6	Super Enamelled Copper Wire
7	AC Armature Coil
8	DC Armature Coil
9	Carbon Brush
10	Stone Dust Barrier
11	Wooden Ballah
12	Lime Stone Dust
13	RCC Hume Pipes
14	Cement Capsule
15	Steel Square Cog
16	Roof Bolts & Bearing Plates
17	Special Steel and Alloy Casting
18	Bleaching Powder, Synthetic Enamel and Varnishing
19	Printing Jobs

20	OTR Tyres Retreading & Resoling (Hot & Cold)
21	Computer Stationary
22	M.S Pipe Flanges
23	Steel Tubular Poles
24	Aluminium Alloy Standard Conductor (AAAC)
25	Lead Acid storage Battery
26	Mine Car
27	Idlers
28	Idlers (Impact 1200 mm belt)

Source: MCL web portal

Besides, there is tremendous scope for setting of Down Stream Industries industries in the district. Using the Bi-product/ waste product of Rourkela Steel Plant (RSP), Rourkela the following category of Down Stream industries are working.

Table-42
Down Stream industries of Rourkela Steel Plant

Sl.No.	Name of Bi-product/Waste product of RSP	Items produced
1.	Iron and Steel scraps	CI Casting, Re rolled product
2.	Fly ash	Flay Ash bricks
3.	Crude Coal tar	Tar, Napthalene Cresto oil
4.	Zinc dust	Zinc
5.	Used/Rejected Lubricants	Grease
6.	Used/ rejected fire clay bricks/ Refractory Bricks	Bricks & Refractory Bricks

Source: RIC, Rourkela

Thus the district is having a number of large and medium scale industries and there is a lot of scope for setting up ancillary and down stream industries. However before taking the decisions the entrepreneurs should contact the Mother Plants, should ascertain their exact requirements, should make a market study and then go on after final consultation with Promotional agencies. The list of the ancillary and downstream industries can be obtained from promotional agencies like DIC Sundargarh, and RIC, Rourkela, Br.MSMEDI, Rourkela and also at MSME-DI Cuttack.

9. Khadi, Village & Cottage Industries: The important activities promoted under village and cottage industries in the district of Sundargarh are bamboocraft, pottery & terracota, golden grass products, fabric dying & printing, applique, sabai products, wood carving, broom-making etc.

The village industries under the purview of KVIC are grouped in seven major groups as under:

i) Mineral Based Industry which include cottage, pottery industry, limestone, limeshell and other lime products industry, stone cutting, crushing, carving and engraving, jewellery making, synthetic materials, manufacture of bangles, manufacture of paints, pigments, varnishes, distemper etc.

ii) Forest Based Industry: include handmade paper, manufacture of Katha, gums & resins, cottage match industries, manufacture of fireworks and agarbaties, bamboo & cane work, manufacture of paper cups, plates, bags & other paper containers, manufacture of exercise

book binding, stationery items, collection, processing and packing of forest products, photo, framing, manufacture of jute products etc.

iii) Agro Based and Food Industry include processing, packing and marketing of cereals, pulses, spices, condiments, masala, palm gur making & other palm products industry, manufacture of cane gur and khandsari, beekeeping, pickles, ghani oil industry, fibre other than coir, collection of forest plants and fruits for medicinal purposes etc.

iv) Textile Industries (excluding Khadi) include cloth woven on handloom from yarn hand spun, man-made fibre, silk of woollen yarn hand spun, manufacture of lok vastra cloth, hosiery, tailoring and preparation of readymade garments, toys & doll making, thread balls and woollen balling, lacchi making, embroidery, manufacture of surgical bandages, stove wicks etc.

v) Engineering and Non-Conventional Energy include carpentry, blacksmithy, manufacture of household aluminium utensils, manufacture of household aluminium utensils, manufacture and use of manure and methane (gobar) gas from cowdung and other waste products (such as flesh of dead animals, night soils etc.,) manufacture of paper pins, clips, safety pins, stove pins., manufacture of decorative bulbs, bottles, glass etc., umbrella assembling, solar & wind energy implements, manufacture of handmade utensils out of copper, other articles made out of brass, copper and bell metal, manufacture of handmade utensils out of bell metal, production of radios, production of cassette recorder, carved wood and artistic furniture making, tinsmithy, motor winding, wirenet making, iron grills making, manufacture of rural transport vehicles such as hand carts, bullock carts, small boats, assembly of bicycles, cycle rickshaw, motorised carts, manufacture of musical instruments.

vi) Polymer and Chemical Based Industry include flaying, curing and tanning of hides and skins, cottage leather industry, cottage soap industry, manufacture of rubber goods, products out of rexins, PVC, horn and bone including ivory products, candle, camphor and sealing wax making, manufacture of packaging items of plastics, manufacture of bindi, mehendi, essential oils, shampoos, hair-oils, detergents washing powder making (non-toxic) etc.

vii) Service Industry include laundry, barber, servicing of electrical wiring and electronics domestic appliances and equipment, repairs of diesel engines, pump sets, etc., hiring of sound systems like loud speaker, amplifier etc., battery charging, art board painting, cycle repair shops and masonry.

10. Handlooms:

Handloom is an important traditional industry of Orissa, Hand Weave fabrics have got district recognition all over the country for its highly sophisticated design and colour combination. The Central Govt. and State Govt. are paying concerted efforts for all round development of Handloom Industry by providing forward and backward linkages. Handloom zone has been created during 1983 with a view to uplift the socio-economic condition of poor weavers. Though handloom industry is caste-based and tradition oriented, mainly scheduled caste person of district have taken weaving as a profession. As such, persons, engaged in this industry are neither semi-skilled nor unskilled and the fabrics produced by such weavers are of coarse a variety which has to face out cut-throat competition with mill and power loom sectors. On the other hand, due to the industrial growth in, the persons are more inclined to work in these growing industries and mines to earn better wages as compared to handloom industry. Still required supports are being provided through the organised sector (weavers' co-operative societies) to provide employment with higher wages earning to the poor weavers on a continuous basis. There are 14 Weavers' Co-operative Societies functioning in the district.

The office of the Assistant Director of Textiles being its Head Quarter at Sundargarh is looking after the handloom activities of Sundargarh, Jharsuguda and Deogarh district. The main aim of this sector is to bring the weavers into co-operative fold, arrange cash credit

finance for supply of yarn, dyes and chemicals in a standard rate, collecting the fabrics in turn by giving them conversion charges and marketing their products through different weaver's co-operative societies. Handloom has always played a significant role in providing self employment in rural areas.

In the District of Sundargarh, most of the weavers belong to Scheduled Caste categories scattered mostly in the area of Raibaga of Lefripada block, Mangaspur of Tangarpali block. Budakata of Kutra block. Bisra of Bisra block and ledimong of Kuanrmnda block.

11. Cluster Profile of District

Developing clusters helps in deriving benefits of economics of scale on procurement of raw materials, Production and post production operations. Such approach also helps the supporting agencies to focus on large number of units effectively with minimum efforts. The details of an identified cluster are given below.

Table-43
Identified Cluster in the District

Name of Cluster	Location	No.of Units
Engineering Cluster	Sundargarh	25

In the following paragraphs the block wise identified Handicraft/Artisan cluster activities has been furnished.

Table-44
Handicraft Cluster identified in Sundargarh District

Sl. No	Name of the Block	Name of the craft	No.of Artisans Identified
1.	Bargaon	Cane & Bamboo Pottery Blacksmith	138 78 34
Sub Total			250
2.	Balisankara	Bamboo craft Durry Weaving Advance Pottery Brass & Bell Metal Stone carving	27 50 10 04 10
Sub Total			101
3.	Hemgir	Terracotta Sisal Products Wood Carving Appliqué Stone Carving	30 48 15 05 20
Sub Total			118
4.	Kutra	Terracotta Cane & Bamboo	116 72
Sub Total			188
5.	Lephripara	Wood Carving Artistic Pottery Appliqué	62 51 15
Sub Total			128

6.	Rajgangpur	Terracotta	90
		Waste cotton Products	24
		Fancy Bag	20
		Textile	20
Sub Total			154
7.	Subdega	Bamboo Craft	27
		Brass & Bell Metal	06
		Golden Grass	20
		Artistic Pottery	06
		Mat Making	12
Sub Total			71
8.	Sundargarh	Cane & Bamboo	28
		Terracotta	27
		Rakhee	48
		Garden Grass	22
		Applique	12
Sub Total			137
9.	Tangrapali	Cane & Bamboo	151
		Advance Pottery	102
Sub Total			253
10.	(M) Sundargarh	Bamboo Craft	17
		Applique	28
		Golden Grass	02
Sub Total			47
11.	Rajgangpur (M)	Soft Toys	68
		Terracotta	16
Sub Total			84
12.	Bonai	Wood Carving	29
		Stone Crushking	08
		Applique Work	12
		Artistic Pottery	10
		Artistic Cane Bamboo	08
Sub Total			67
13.	Knaramunda	Wood Carving	29
		Jute Work	15
		Applique Work	02
		Artistic Pottery	10
		Artistic Cane Bamboo (ACB)	20
Sub Total			76
14.	Rourkela (M)	Jute Work	04
		Batic print	36
		Applique Work	19
		Silver Filgree	38
		Soft Toys	161
		Stone Carving	1
		Embrodery	21
		Tie & Dye	11
		Artificial Bansai	26
		Solapitz Work	1
		Decorative wall Piece	2
		Artistic Pottery	20
Sub Total			340
15.	Lathikata	Batik Print	20

		Soft Toys	20
		Artistic Pottery	50
Sub Total			90
16.	Bisra	Applique Work	08
		Sabai Product	43
		Artistic Pottery	20
		Artistic Cane Bamboos	41
Sub Total			112
17.	Lahunipada	Aplique Work	2
		Artistic Pottery	31
		ACB	15
Sub Total			48
18.	Koira	AP	20
		ACB	20
Sub Total			40
19.	Gurendia	AP	20
		ACB	10
Sub Total			30
20.	Nuagaon	AP	15
		ACB	45
Sub Total			60

Source: Directorae of Cottage & Handicraft Industries, Govt. of Odisha

12. TOURISM:

Tourism has been identified as one of the potential sector of the economy. This sector has a significant contribution to the growth of economy through earning foreign exchange and providing both direct and indirect employment to large number of people. Recently, the government is taking a lot of measures to boost this sector to promote tourism by attracting both domestic and foreign tours. The tables below give a picture on the tourist activity in the district.

Table-45
Important Tourist Spots in Sundargarh District (2013-14)

Sl. No.	Name of the Tourist Spot	Distance on road from State Headquarters (In Kms.)	Distance on road from District Headquarters (In Kms.)	Connectivity Rail / Bus Services	Importance of the spot
1	Rourkela	512	110	Bus Services	Steel Plant
2	Junagarh	471	66	Bus Services	Ancient Fort
3	Ushakothi	452	47	Bus Services	Pictorial Wrightings
4	Vedvyas	503	98	Rai/Bus	Holy Place
5	Mandiradam	480	75	Bus Services	Dam
6	Khandadhar	609	204	Bus Services	Water Fall

7	Deodarah	568	163	Bus Services	Picnic Spot
8	Darjeeing	570	165	Bus Services	Picnic Spot
9	Ghogar	485	80	Bus Services	Holy Place
10	Mirigikhoj	616	211	Bus Services	Small Water Fall
11	Tensa	615	210	Bus Services	Hill Station
12	Pitamahal	510	105	Bus Services	Dam
13	Chatrihill	460	55	Bus Services	Cave
14	Sundargarh	405	0	Bus Services	Dist.HQr.

Source: District Statistical Handbook, 2015

From the above tables it is observed that there is tremendous potential to give a boost to the tourism sector of the district by taking fruitful and effective and fruitful measures in the right direction. Besides the Govt. promoting the tourism sector, awareness programmes should be conducted in large number for the people to take up this activity thereby exploring the unused potential of the district.

CHAPTER – VI

PROSPECTS OF INDUSTRIAL DEVELOPMENT

The district of Sundargarh has got tremendous scope for new industries depending upon the availability of surplus resources and demand of local people. While identifying potential items for MSE sector, the views of officials of different sectors of the district, existing entrepreneurs of industrial associations, financial institutions have been taken into consideration.

The potential industries in the district particularly in small-scale and agro-sector have been identified under the following heads:

A. Agro-Based/Food Processing Enterprises

1. Dehydration of Vegetables
2. Fruit Juice Concentrate
3. Mushroom
4. Ice-cream
5. Vermicelli and Noodles
6. Bread
7. Tomato Products
8. Jackfruit Chips
9. Mango, Amla and other fruits pickle
10. Chilli Pickles/Sauce
11. Rice Mill
12. Dal Mill
13. Oil Mill
14. Cold Storage
15. Ground Spices

B. Mineral Based Industries

16. Fire Clay Bricks & Blocks
17. Lime
18. Quartz Calcination and Grinding
19. Mineral Grinding
20. Chalk Crayon
21. Cement Jalli
22. Lime Stone Chip
23. Soft Coke
24. Sponge Iron
25. Coal Washer
26. Silico Manganese
27. Mica Cap
28. Circular Washer
29. Stone Crusher

C. Chemical and Allied Industries

30. Non-Edible Oil Mill
31. Hydraulic Hose
32. Oxygen Plant
33. Idler
34. Carbon Brush

35. Bar Soap
36. Phenyl
37. Polymer Modified Cement Adhesive
38. Exercise Books
39. Paper Cups and Plate
40. PVC Pipes
41. Tyre Retreading
42. Plastic Disposable Cups
43. PVC Doors and Windows
44. School Bag/Carry Bag
45. PVC Footware
46. Offset Printing
47. Packaged Drinking Water
48. Paints

D. Glass & Ceramics Industries

49. Refractory Bricks
50. Burnt Lime
51. Fly Ash Bricks
52. Flue Wall Bricks
53. Insulation Brick
54. Cement Block and Concrete Pole
55. Calcined Fire Clay

E. Leather and Footwear Industries

56. Gloves
57. Chapals & Sandals
58. Leather Shoe
59. Hand Shovels
60. Tyres & Tubes (Cycles)

F. Mechanical/Metallurgical Industries

61. MS Ingot
62. Aluminium Utensils
63. Structural Fabrication
64. Engineering & Light Fabrication
65. Re-rolling Mill
66. Non Ferrous Casting
67. Lancing Pipe
68. Aluminium Furniture

G. Electrical/Electronic Items

69. Electrical Cable Lungs & Terminal Connectors
70. Electrical Switches
71. HRC Fuses
72. Generators
73. Transmission Socket
74. Amplifier Circuit Board
75. Low Level Signal Convertor
76. Power Supply Module

- 77. Audio Cassettes
- 78. Voltage Stabiliser

H. Textile Industries (including Hosiery)

- 79. Readymade Garments
- 80. Hosiery Items
- 81. Cotton Yarn
- 82. Handloom Cloths

I. Forest Based

- 83. Ply wood/wooden Furniture
- 84. Leaf Cups and Plate
- 85. Cane and Bamboo Products
- 86. Bee Keeping and Honey Processing

J. Repairing & Servicing Units

- 87. Tent House
- 88. Dry Cleaning /Laundry
- 89. Beauty Parlour & Health Club
- 90. Digital Photo Processing Laboratory
- 91. Motor/Transformer rewinding
- 92. Repair of four wheeler/ Auto-Rickshaw
- 93. Xerox/Internet Service
- 94. Electrical Repairing Unit
- 95. Gas Welding & Spray Painting
- 96. Watch/Clock Repairing Unit
- 97. Tailoring Unit
- 98. Nursing Home/Clinic
- 99. TV/Radio/Camera/Tape repairing & servicing unit

K. Ancillary & Miscellaneous Enterprises

- 100. Hessian Cloth Bags
- 101. Coal Briquettes
- 102. Heat Treatment
- 103. Mattresses & Pillow
- 104. Computer Stationeries
- 105. Adhesives
- 106. Vibrating Screen
- 107. Gear Cutting Facilities
- 108. Lancing Tubes
- 109. Casting Wheel Nozzle
- 110. Shaft Sleeve Gun Metal
- 111. Roller for return line trolley
- 112. Current Collector Shoe Big
- 113. Cotton Dust Mask
- 114. Tuning Fork Assembly
- 115. Anchor Cramp for power rail
- 116. Cotton Hand Gloves
- 117. Viton Ring
- 118. Dust Guard Bellow

Table-46
Blockwise Illustrative List of Potential Activities

SL no.	Name of the Block	Illustrative list of Potential Industries based on the resources available
1.	Lephripara	1) Leaf Cup & Plate Making 2) Trifala Churna 3) Stone Carving 4) Wood Carving 5) Broom Stick 6) Retail Trade centre 7) Rice Huller 8) Oil Expeller 9) Mudhi Mill 10) Chuda Mill 11) Fire Clay Brick 12) Smokeless Coke 13) Non-edible Oil Mill 14) Cattle Poultry Feed 15) Soft Drink 16) Carpentry 17) Agarbati Making 18) Cycle Repairing 19) Electrician
2.	Sadar Block Sundargarh	1) Waste Cotton Processing unit 2) Four & Two Wheeler Repairing & Servicing 3) Cement Work 4) D T.P Central 5) Hotel 6) Footwear 7) Poultry Farm 8) Light Engineering 9) Mixture Mfg.Unit 10) Bakery Unit 11) Ice Candy Mfg. 12) Oil Expeller 13) Dairy Farm-Processing of Milk Product 14) Cycle repairing 15) Pottery 16) Poultry & Dairy feed 17) Fly Ash Bricks 18) Rakhi Making 19) Diesel Engine Repairing Centre 20) Motor winding 21) Saloon & Beauty Parlour 22) Mechanized Bricks 23) Chuda & Mudhi Mill 24) STD Booth 25) Tyre Retreading 26) Dhaba 27) Laundry 28) Retail Trade Centre 29) Bamboo Products

		<ul style="list-style-type: none"> 30) Fabrication 31) Detergent Powder 32) Tailoring 34) Bidi Making 35) Papad 36) Auto Rikshaw 37) Book Store 38) Stone Crusher 40) Khali Stitching 41) Studio 42) Agarbati Mfg 43) Bee Keeping
3.	Bargaon Block	<ul style="list-style-type: none"> 1) Rope making 2) Cashew nut Processiong 3) Bakery 4) Chura Mudhi Mill 5) Rice Mill 6) Cattle Feed 7) Fabrication 8) G.I. Box Unit 9) Spray paintings 10) Screen printing 11) Two Wheeler Repairing 12) Electric Motor winding & repairing 13) Light & Sound servicing 14) Tube Vulcanising 15) Beauty Par lour 16) Cement Products 17) Leaf cup making 18) Smokeless Soft Coke 19) Pottery 20) Char seed 21) Ginger oil 22) Broom Sticks 23) Xerox 24) STD 25) Saloon 26) Beauty Par lour 27) Tent House 28) Stone Carving 29) Candle Making 30) Foot wear 31) Agarbati making
4.	Kurta Block	<ul style="list-style-type: none"> 1) Rice Huller 2) Attachaki 3) Fabrication 4) Spray Painting 5) Xerox, D.T.P & Screen Printing 6) Two Wheeler Repairing 7) Motor Grinding & diesel Pump Repairing 8) Light & Sound system 9) Readymade garments (special ladies items) 10) Cement Concrete Products

		<ul style="list-style-type: none"> 11) Tube Vulcanizing 12) Brunt Lime 13) Leaf cup & Plate 14) Cold Storage 15) Oil Expeller 16) Vegetable Processing 18) Sponge Iron 19) Fire Clay bricks 20) Stone Crusher 21) Smoke less Soft Coke 22) Non-edible Oil Mill 23) Broom Sticks 24) Ginger Oil 25) Herbal medicine 26) Char seed 27) Pottery 28) Saloon 29) Auto garage 30) Bakery 31) Prickles 32) Stone Carving
5.	Hemgir	<ul style="list-style-type: none"> 1) Market Complex 2) Fabrication 3) Oil Expeller 4) Bakery 5) Bamboo Products 6) Mineral Based 7) Transportation 8) Tyre Retreading & Resoling 9) Mini Rice Mill 10) Coal Briquette
6.	Rajgangpur Block	<ul style="list-style-type: none"> 1) Leaf cup Mfg 2) Bee Keeping 3) Rice Huller 4) Repairing Of Two Wheeler 5) Mixture mfg. 6) Siali Rope mfg 7) Agarbati 8) Candle Mfg. 9) Batic Printing 10) Badi Papad 11) Bakery 12) Fabrication 13) Tyre Vulcanising 14) Stone crushing 15) Tube Vulcanising 16) Stone Crushing 17) Lime Unit 18) Electrical Goods repairing 19) Motor re-winding 20) Market Complex 21) Tailoring

		<ul style="list-style-type: none"> 22) STD & FAX 23) Fly Ash Bricks 24) K.B Bricks 25) Photo Studio 26) Engineering Works 27) Ice Candy 28) Leather Units 29) Cement Concrete Products 30) Computer D.T.P 31) Two & Four Wheeler Repairing 32) G.I Box Mfg. 33) Stabilizer Mfg. 34) Gas Welding 35) Screen Printing 36) Candle Mfg.
7.	Tangrapali	<ul style="list-style-type: none"> 1) Teracotta 2) Bamboo craft 3) Rice Mill 4) Atta chaki 5) Oil expeller 6) Sugarcane crusher 7) Leaf cup plate making 8) Broom stick 9) Processing of MFPs 10) Light Fabrication 11) Bricks 12) Pottery 13) Fly Ash brick 14) Cement Products 15) Nursing School 16) Welding 17) Vulcanising 18) Computer centre 19) Laundry 20) T.V servicing 21) Tailoring 22) Tent House 23) Auto Garage 24) Saloon 25) Cycle repairing
8.	Balisankara	<ul style="list-style-type: none"> 1) Collection of forest products (Mahua flower & seeds, Kusum seeds) 2) Leaf plate making 3) Oil mill, rice mill, & power attachaki 4) Fruits Orchard 5) Gur & Khandasari 6) Leather Works 7) Chuda & Mudhi frying 8) Herbal Medicine 9) Making units 10) Char seed 11) Light Fabrication Units 12) Pottery

		13) Cement products 14) Cattle & Poultry feed 15) Printing Press 16) Xerox 17) TV Service 18) Laundry 19) Flour mill 20) Computer centre 21) Weling 22) Motels 23) Candel making 24) Hotel 25) Xerox 26) Pay-Phone 27) DTP & Screen printing 28) Saloon 29) Beauty Parlour 30) Auto Garage 31) Studio 32) Tent house 33) Ready made Garments 34) Tailoring 35) Gold smith 36) Backery 37) Chocolates making units 38) Agarbati making 39) Carpentry 40) Sugarcane Crusher 41) Fire clayn bricks 42) Smokeless soft cake 43) Expeller 44) Soft coke 45) Kusum seeds 46) Jhuna 47) Broom Sticks
9.	Subdega	1) Rice mill 2) Oil mill 3) Stone crushing 4) Fire clay bricks 5) Smokeless soft -coke 6) Leaf-cup Plate 7) Broom sticks 8) Herbal Medicine 9) Sial leaf 10) Fabrication Unit 11) Bricks 12) Pottery 13) Cement Products 14) Cattle & Poultry feed 15) Hotel 16) Xerox 17) DTP & screen printing 18) Saloon 19) Beauty Parlour

		<ul style="list-style-type: none"> 20) Auto garage 21) Tent House 22) Ready made garment 23) Tailoring 24) Goldsmith
10.	Kuarmunda Block	<ul style="list-style-type: none"> 1) Ready made garment 2) K. B bricks 3) Spices grinding 4) Fabrication 5) Exercise book binding 6) Oil mill 7) Atta chaki 8) Ice Candy 9) Mixture (food) 10) STD & Xerox 11) Tyre retreading 12) TV Radio Repairing 13) Repairing of Elect. & Household equipments 14) Motel 15) Sponge Iron Plant 16) Pencil Ingot 17) Rolling Mill 18) Rice Mill 19) Cold Storage 20) Confectionery 21) Rice huller 22) Mudhi Chuda Mill 23) Fire clay bricks 24) Stone crusher 25) Leaf cup plate 26) Non edible oil mill 27) Cattle and Poultry feed 28) Saloon 29) Auto Garage 30) Tent House 31) Readymade Garments 32) Goldsmith 33) Bakery 34) MFP Processing 35) Masala Grinding 36) Pottery 37) Fly Ash Bricks
11.	Bisra Block	<ul style="list-style-type: none"> 1) Servicing centre for two wheeler & four wheeler 2) Napthalene balls 3) Phenyl 4) K.B. Bricks 5) Mixture (Food) 6) Fabrication 7) Atta Chaki 8) Readymade Garments 9) Leaf cup & plate 10) Steel furniture

		11) Broom stick 12) Chuda Mudhi Mill 13) Cashew nut processing 14) Vegetable 15) Rice Mill 16) Cold storage 17) Confectionery 18) Rice huller 19) Oil expeller 20) MS ingots 21) Burnt lime 22) Stone crusher 23) Non-edible oil mill 24) Cattle & Poultry feed 25) Hotel 26) Xerox 27) Payphone 28) DTP & Screen Printing 29) Ferric Alum 30) Herbal Medicine 31) MRF Processing 32) Saloon 33) Beauty Parlour 34) Auto Garage 35) Soda Making 36) Goldsmith 37) Bakery 38) Pickles 39) Tile making 40) Vegetable processing 41) Soft drinks 42) Stone carving 43) Candle making 44) Masala grinding
12.	Koira Blcok	1) Sponge Iron 2) Mineral Grinding 3) Stone crusher 4) Lathe Workshop 5) Fabrication 6) Motor winding 7) Tyre retreading 8) Leaf cup plate 9) Readymade garments 10) Repairing & servicing of electrical & electronic items 11) Four wheeler body building 12) Motel 13) Manganese Ore processing 14) Four wheeler rep. & servicing 15) K.B. Bricks 16) Mushroom processing 17) Jam, pickles, out of tomato, papaya, mango & guava 18) Confectionery

		<ul style="list-style-type: none"> 19) Oil expeller 20) Chuda Mill 21) Stone Crusher 22) Non edible oil mill 23) Xerox 24) STD Booth 25) Saloon 26) Beauty Parlour 27) Studio 28) Tent House 29) Gold smith 30) Bakery
13.	Lahunipada Block	<ul style="list-style-type: none"> 1. K.B. Bricks 2) Tyre retreading 3) Xerox, STD, Fax 4) Laundry-cum-dry cleaning 5) Agricultural implements 6) Lathe Workshop 7) Rice Huller 8) Atta Chaki 9) Chuda Mill 10) Automobile Garage 11) Cold Storage 12) Chilling Plant 13) Readymade Garments 14) Fabrication 15) G.I. Box 16) Leaf cups & plates 17) Steel furniture 18) Jam, jelly & pickles 19) Mineral Grinding 20) Motel 21) Confectionery 22) Oil expeller 23) Non edible oil mill 24) Saloon 25) Tent House 26) Tile making 27) Candle making 28) MFP processing 29) Broom stick 30) Char seed 31) Siali leaf 32) Bricks unit 33) Pottery 34) Cement products
14.	Bonai Block	<ul style="list-style-type: none"> 1) Ice candy 2) Fabrication 3) Battery assembling 4) STD, Xerox, Fax 5) DTP 6) Offset Printing 7) Atta Chaki

		8) Rice huller 9) K.B. Bricks 10) Cement tiles 11) Readymade garments 12) Oil mill 13) Steel furniture 14) Electrical, electronics & Household repairing 15) Garage for four wheeler 16) Saloon 17) Carpentry 18) Seat cover servicing 19) TV servicing 20) Laundry 21) Computer centre 22) Vulcanising 23) Welding 24) Hotel 25) Chuda Mill 26) Stone Crusher 27) Smokeless soft coke 28) Leaf cup & plate making 30) Cattle & poultry feed 31) Beauty parlour 32) Tent House 33) Pickle 34) Broom sticks 35) Cotton Waste Hosiery 36) Tassar Reeling & Twisting 37) Fly Ash Bricks 38) Phenyl
15.	Gurundia Block	1) Fabrication 2) STD, Xerox 3) Atta Chaki 4) Soap making 5) Tyre retreading 6) Rice huller 7) Readymade garments 8) Leaf cup plate 9) Broom making 10) Steel furniture 11) Ayurvedic Medicine 12) Studio 13) Footwear, Saloon 14) Soap making 15) Flour mill 16) Weldings, Motels
16.	Nuagaon	1) Tomato Ketchup 2) Fabrication 3) Atta Chaki 4) Rice Huller 5) Steel Furniture 6) Readymade Garments 7) Broom making

		8) Electrical & Electronics rep. & servicing 9) G.I. Box 10) Leaf cup plate 11) Wax candle 12) K.B. Bricks 13) Cement Tiles 14) Decorated vessels and containers made of cement 15) Oil Mill 16) Cement Jalli 17) Saloon 18) Tailor 19) Studio 20) STD booths 21) Xerox, TV service 22) Vulcanizing 23) Stone crusher 24) Cycle repairing 25) Welding 26) Motels 27) Vegetable processing 28) Auto Garage 29) Fabrication 30) Agarbati making
17.	Lathikata Block	1) Phenyl 2) Naphthalene Balls 3) Sponge Iron 4) Induction Furnace 5) Rolling Mill 6) Fabrication 7) Lathe Workshop 8) Mineral grinding 9) Stone crusher 10) Steel furniture 11) Gear Box 12) Agricultural implements 13) Tyre retreading 14) Cycle stand carrier 15) Shovel 16) Belcha 17) Bleaching Powder 18) Distillery 19) Calcium Carbide 20) Oxygen Plant 21) Four Wheeler Body Building 22) Explosive Tubes & caps 23) Aluminium powder for explosives 24) Decarbonised Coal

Source: RIC, Rourkela & DIC, Sundargarh

CHAPTER-VII
PLAN OF ACTION FOR PROMOTING MSMEs FOR
INDUSTRIAL DEVELOPMENT

The district of Sundargarh is yet to achieve the desired level of growth including in industry sector despite having huge potential for development of this sector. The most important problem in our society is the problem of unemployment and stagnation in growth. Promotion and development of MSMEs is a better solution of problem of ever rising unemployment and giving a push to economic growth. So the following action plan is suggested for the promotion and development of MSMEs in this district.

i) Intensive Industrial Motivational Campaigns

Intensive Industrial Motivational Campaigns need to be organized at the Block levels to motivate the educated unemployed youths of the area to take up MSME activities based on resources available, skill and demand factor etc. to make them self employed besides creating employment opportunities for others. The facilities and opportunities available will also be told to the educated unemployed to utilize these for their ventures.

ii) Entrepreneurial-cum-Skill Development Programmes

As it has been observed that the youths of different areas are taking mind set and management skills of entrepreneurship so there is need of organizing intensive ESDPs in different parts of the district. The persons before taking of any enterprise should be aware of the basics of the art of entrepreneurship and also the risk taking ability through systematic training. The promotional agencies of the district as well as the state level and financial institutions need to speed up their efforts in organizing the ESDPs as well as making follow up to get the desired results in this direction.

iii) Seminars/Workshops

Different seminars/workshops highlighting the need of MSME sector will be organized at various technical institutions to inculcate the attitude of entrepreneurship in the minds of the students and youths of the district and to motivate them to take to self employment ventures particularly in MSMEs as means of livelihood to face the challenge of unemployment.

iv) Development of Infrastructure

More and more industrial estates should be constructed in the district to facilitate the entrepreneurs to get the land and sheds easily. The industrial estates should be equipped with all requisite infrastructural facilities for smooth running of the MSMEs. Further steps should be taken to select suitable areas for development of industries in the district. Besides the road, electricity, telecommunication etc. needs to be strengthened for smooth functioning of the unit.

v) Exposure Visit The existing as well as prospective entrepreneurs of the district may be taken to various industrial units/clusters in the state and outside to have on the spot exposure on

information about the running enterprises. The local DIC as well as promotional agencies, banks should take initiatives in this regard.

vi) Industrial Exhibitions

In the District Hqrs and other urban centres of the district, Industrial Exhibitions of products manufactured should be conducted at regular intervals for the information of the people who are the ultimate buyers. Besides development taking place in industrial fields like technology, quality etc. should be displayed.

vii) Setting up of Large Industries

In the present liberalized and globalized era steps need to be taken to invite the entrepreneurs from out side the state to set up the large scale industry inside the district. This in turn will give a boost to the morale of the local entrepreneurs to set up ancillary and downstream MSMEs basing on the requirements of the large-scale industries.

viii) Intervention by MSME-DI

Functioning as field level office of DC (MSME), MSME-DI Cuttack and its Branch MSME-DI, Rourkela is actively involved in educating about MSME schemes and promoting entrepreneurship across all enthusiastic entrepreneurs in the district. In addition, the MSME-DI Cuttack also continues to intervene the prospective as well as existing entrepreneurs by way of cluster activities like exposure visit of entrepreneurs to similar cluster outside the state, setting up of Common Facility Centre (CFC) for them, engagement of design expert, preparation of Detail Project Report etc.

The proposed activity for promotion of MSME sector in the district is listed below.

S. No.	Name of the Scheme	Proposed activity on the scheme
1.	MSE-CDP	01 Cluster would be identified
2.	ZED Awareness Programme	02 nos. of awareness programme will be organised.
3.	MATU	Two export oriented units may be motivated.
4.	CLCSS	Handholding Support will be provided
5.	CGTMSE	Handholding Support will be provided
6.	PMEGP	Handholding Support will be provided
7.	International cooperation	Industry Association will be motivated
8.	VDP	01 No. of SVDP will be organised
9.	National awards	02 Units will be motivated
10.	NMCP schemes	10 no.s of units will be motivated under the scheme

I. Lean Manufacturing	01 cluster would be identified
II. Design Clinic	01 seminar would be organized.
III. IPR	01 seminar would be organized.
IV. Digital MSME	05 Units will be motivated for the registration in digital MSME website
V. Technology and Quality Upgradation Support to MSMEs	01 seminar would be organized
VI. Business Incubator scheme	01 seminar would be organized

CHAPTER-VIII

STEPS TO SET UP MSMEs

Before going for setting up of any enterprise, the prospective entrepreneur should move in a systematic way in order to get his desired level of output. At various levels, different agencies are functioning to provide different types of assistance to the entrepreneurs for setting up of MSMEs. So, following are the brief description of different agencies for rendering assistance to the entrepreneurs.

Sl. No.	Type of assistance	Name, address and website of agencies
1.	Provisional Registration Certificate – Udyog Aadhaar Memorandum(UAM)	<ul style="list-style-type: none">• Directorate of Industries, Govt. of Odisha, Kila Maidan , Cuttack, www.as.ori.nic.in/diorissa/• General Manager, DIC.• www.udyogaadhaar.gov.in/
2.	Identification of project profiles, techno-economic and managerial consultancy services, market survey and economic survey reports	<ul style="list-style-type: none">• MSME Development Institute, Vikash Sadan, College Square, Cuttack, www.msmedicuttack.gov.in
3.	Land and Industrial shed	<ul style="list-style-type: none">• MD, IDCO, IPICOL House, Janpath, Bhubaneswar www.idco.in
4.	Financial assistance	<ul style="list-style-type: none">• MD, OSFC, OMP Square, Cuttack, www.osfcindia.com• MD, IPICOL, Janpath, Bhubaneswar, www.ipicolorissa.com• Director, KVIC, 6, Budha Nagar, Bhubaneswar, www.kvic.org.in• Secretary, KVIB, Near Rupali Square, Bhubaneswar• General Manager, NABARD, Nayapalli, Bhubaneswar, https://www.nabard.org/english/Orissa.aspx• General Manager, SIDBI, OCHC Building, Unit-3, Bhubaneswar, www.sidbi.com• Nationalized Banks
5.	For raw materials under Govt. supply	<ul style="list-style-type: none">• M.D, OSIC, Khapuria Industrial Estate, Cuttack, www.osictld.in
6.	Plant and machinery under hire/purchase basis	<ul style="list-style-type: none">• Regional Manager, NSIC, Abdul Hamid Street, Kolkata• Sr. Branch Manager, NSIC, Link Road, Cuttack, www.nsic.co.in
7.	Power/Electricity	<ul style="list-style-type: none">• Chairman, GRID Corporation of Odisha, GRIDCO, Saheed Nagar, Bhubaneswar, www.gridco.co.in• Chairman, CESCO, IDCO Tower, Bhubaneswar, www.cescoorissa.com
8.	Technical Know-how	<ul style="list-style-type: none">• Director, MSME Development Institute, Vikash Sadan, College Square, Cuttack-753003, www.msmedicuttack.gov.in
9.	Quality & standard	<ul style="list-style-type: none">• Bureau of Indian Standards(BIS), Ministry of Civil Supplies, Consumer Affairs & Public Distributors, Govt. of India, 62/63, Ganganagar, Bhubaneswar, www.bis.org.in/dir/bhbo.htm

		<ul style="list-style-type: none"> • Director National Productivity Council, Ministry of Industry, Govt. of India, A/7, Surya Nagar, Bhubaneswar, www.npcindia.gov.in/offices • Director, MSME Development Institute, Vikash Sadan, College Square, Cuttack-753003
10.	Marketing/Export assistance	<ul style="list-style-type: none"> • Director, MSME Development Institute, Vikash Sadan, College Square, Cuttack -753003 • Export Credit Guarantee Corporation of India Ltd., A-77, Saheed Nagar, Bhubaneswar, www.ecgc.in/portal/servicenetwork/easternpopup.asp • Director, EPM, Ashoka Market, Master Canteen, Bhubaneswar, www.depmodisha.nic.in • Sr.Branch Manager, NSIC, Link Road, Cuttack.
11.	Other Promotional Agencies	<ul style="list-style-type: none"> • MD, APICOL, Near Baramunda Bus Stand, Bhubaneswar, www.apicol.co.in • Director, Horticulture, Udyan Bhavan, Nayapalli, Bhubaneswar, www.orihort.in • Director, Animal Husbandry & Veterinary Services, Mangalabag, Cuttack, www.odishaahvs.com • Director, Handicraft & Cottage Industries, Saheed Nagar, Bhubaneswar, www.dhorissa.ori.nic.in • Director of Textiles, Satya Nagar, Bhubaneswar, www.odisha.gov.in/textiles • Director of Fisheries, Jobra, Cuttack, http://www.odishafisheries.com • Coconut Development Board, Nayapalli, Bhubaneswar, www.coconutboard.nic.in/odishacday.htm • Coir Board, Jagamara, Bhubaneswar, www.coirboard.gov.in • Principal Chief Conservator of Forest, Aranya Bhavan, Chandrasekharpur, Bhubaneswar, www.odishaforest.in

CHAPTER-IX **CONCLUSION**

The district of Sundargarh is endowed with abundant agriculture, mineral and forest resources which can be commercially exploited for setting up of Micro and Small Enterprises. There is enough scope for enterprise development based on forest products such as wooden electrical accessories, wooden carved articles, and tertiary products such as tools, handles, wooden toys and wooden agril. implements etc. Apart from this, Starch from Tamarind seed, tamarind juice concentrates, processing of lac, ganduli gum, ayurvedic drugs out of medicinal herbs, leaf-plates out of Siali and Sal leaves, Bamboo shoots processing and preservation out of defective bamboo shoots, Sabai grass ropes etc. can be taken up. The horticultural resources available can result in setting up of fruit processing and preservation units in the district.

The livestock resources available in the district can be used industrially for manufacturing of tanned hide and leather. Besides, feed mixing centre and broiler units can also be taken up in the district based on the available livestock resources. Thus, it can be concluded that various Small and Micro industries can be grown up in district. Further the large and medium scale industries existing/upcoming in the district can give a boost to the economic activities in genral and industrial activities in particular.

The vocational training programmes can be imparted in the district for self-employment, wage-employment and job opportunities in small business sector. A lot of work is to be done to provide basic infrastructure facilities like improvement of land, water, power, communication & credit institutions. In order to create awareness among the people and to sensitize them to go for entrepreneurship, various Industrial Motivational Campaigns(IMCs), Entrepreneurship-cum- Skill Development Programmes(ESDPs), Entrepreneurship Development Programmes(EDPs), seminars, exhibitions, study tours etc. can be conducted in the district extensively. MSME Development Institute, Cuttack is playing an active role in this direction by conducting such programmes in the remotest corners of the district for the benefit of the educated unemployed youths to go for self-employment ventures. The promotional agencies like banks & financial institutions, NGOs are suppose to have a holistic approach by their co-ordinated efforts to remove the missing link and to sensitize the people to take up ventures in the MSME sector. All these efforts would definitely yield the results in flourishing the industrial activities in the district.

ANNEXURE -A
STATE GOVERNMENT ORGANISATION AND CORPORATION INVOLVED IN PROMOTION
OF INDUSTRIES

1. DIRECTORATE OF INDUSTRIES, ODISHA:

The main objective of the Directorate of Industries is to promote and facilitate the growth of the Micro and Small industries in the State for which 31 District Industries Centre's (DICs) have been established in different parts of the State. The Directorate of Industries administers the various provisions for the industrial policy and allows the various incentives and facilitates under IP in respect of different categories of industries.

The State Government has formulated a format for setting up of new industrial units and this directorate monitors that the various clearance/approvals are issued by the various State Govt. agencies in a time bound manner. In case of any problem in grounding of industrial projects, the State Level Empowered Committee under the Chairmanship of the Secretary, Industries with representatives of the concerned departments sorts out inter-departmental problems. As regards sick but viable MSE units, assistance like margin money, soft loan and IP benefits whenever required are provided for revival on a case to case basis.

The Directorate of Industries also maintains an updated industrial data bank and undertakes project identification on a continuous basis so that a shelf of projects with latest information and data is available to the entrepreneurs. Services of reputed consultants are hired for preparing project reports and project profiles. Besides, Entrepreneurship Development Programmes and Industrial Campaigns are organized in various parts of the State by the Directorate. This office is located at Killa Maidan, Bauxi Bazar, Cuttack. Phone: 0671-2301892, 2301856, 2301474(PBX), Fax: 2301227, 2307331.

www.ori.nic.in/diorissa/diodisha.nic.in/

2. DISTRICT INDUSTRIES CENTRE:

There are 31 DICs functioning in the State for promotion of industries. The objectives of the DICs are as below:

- ✓ To identify prospective entrepreneurs to take up viable projects.
- ✓ To identify viable projects and make demand survey on the available resources of the district and plan for promotion of viable industries in the area.
- ✓ To prepare viable and feasible project reports.
- ✓ To strengthen the guidance cell to solve the problems of the entrepreneurs.
- ✓ To maintain up-to-date data on MSE sector.
- ✓ To recommend financial proposals to Odisha State Financial Corporation/ Financial Institutions/Banks etc.
- ✓ To allot Govt. land /shed in Industrial Estates.
- ✓ To recommend for power connection.
- ✓ To arrange EDP/ESDP training.
- ✓ To arrange exhibition, fair, publicity and visit of industrialists to trade fairs and different industrial estates of other states.
- ✓ To solve the problems of the industrial units at the district level.
- ✓ To monitor the health of the existing MSE units and the progress of those in the pipe line.
- ✓ To recommend different incentives as per the industrial policy of the State Government.
- ✓ To provide necessary marketing assistance.
- ✓ To monitor the implementation of the Prime Minister's Employment Generation Programme.
- ✓ To assist revival of sick MSE units.

3. INDUSTRIAL DEVELOPMENT CORPORATION OF ODISHA LTD. (IDCOL):

The principal objective of the State Industrial Development Investment Corporation is the promotion of large and medium scale industries of the State. Major functions of the Corporation are:

- ✓ Identification of large and medium scale industries.
- ✓ Promotion of industries in joint sector and joint venture in the state of Odisha by way of equity participation.
- ✓ Investment in loans.

The Head office of IDCO is located at Bhubaneswar.

4. ODISHA STATE FINANCIAL CORPORATION (OSFC):

Odisha State Financial Corporation was established in March 1956 and started its commercial operation since 1957-58. The Corporation provides financial assistance for establishment of micro, small and medium scale industries, hotels, nursing homes, acquisition of transport vehicles, etc. in the state. Besides, the corporation is also providing financial assistance for modernization and renovation of sick industrial units.

Term loan are provided to hotels, nursing homes and clinics, transport operators, quality control equipment, pollution control equipment, for modernisation, diversification and rehabilitation of existing industries. The corporation assists ex-military persons under SEMFEX schemes. It also gives assistance to women entrepreneurs under "Mahila Udyam Nigam" scheme. It provides assistance under National Equity Funds for project cost up to Rs.50 lakhs and extends assistance under factoring services. The Head Office of OSFC is located at OMP Square, Cuttack, Ph-(0671)-2443659, 2443623, Fax: 2443437. It has also Regional Offices, Branches in different parts of the State.

5. ODISHA SMALL INDUSTRIES CORPORATION (OSIC), CUTTACK:

The Odisha Small Industries Corporation plays a vital role for promotion of micro and small scale industries in the state. It provides marketing assistance and raw material assistance. It deals with quality raw materials like iron and steel, aluminium, wax, rubber, plastics, coal, bitumen etc. OSIC also imports scarce raw materials to meet the requirement of micro and small scale industries. The OSIC has been granted the status of a recognized export house by the Govt. of India.

It extends finance for purchase of raw material credit scheme and also factors the bills of MSE units. It also obtains bulk orders for projects and products and off loads the same to the competent local MSE units.

The detail address of OSIC is Industrial Estate, Khapuria, Cuttack-10, Ph-(0671)-2344068, 2343084, 2341458 Fax-(0671)-2341879.www.osicltd.in/

6. AGRICULTURAL PROMOTION & INVESTMENT CORPORATION OF ODISHA LTD. (APICOL):

APICOL, a Government of Odisha undertaking provides assistance to agricultural enterprises in the state. It provides opportunities to investors and farmers either to set up, expand or modernize these enterprises. It also provides necessary guidance for Project formulation, business counselling, enterprise development and technical assistance in project implementation, especially in Agro Industries in the state.

APICOL intends to take up special campaigns for entrepreneurship development in agriculture, set up Agri Park and common infrastructure for commercial agriculture and render assistance to agro industrial enterprises for obtaining improvised management, technical and administrative services. It further intends to liaison and tie-up with established agricultural houses for higher value, commercial agriculture including agri-marketing as well as correspond with reputed houses (in agri-business), foreign exports and collaboration. Besides, it provides opportunities for high income and employment generation.

The detail address of APICOL is Baramunda, Bhubaneswar, Phone-(0674)2461525, 2461203, 2461874, Fax-(0674) 2463306.<http://www.apicol.co.in/>

7. INSTITUTE OF ENTREPRENEURSHIP DEVELOPMENT (IED):

This is one of the agencies involved in the field of development of entrepreneurship in the MSE sector in the state. This organisation provides training, counseling and consultancy services to micro and small and medium entrepreneurs. The Government of Odisha has also declared this agency as the nodal agency for the Entrepreneurship Development of the state.

The organisation also seeks alliance with universities and institute in the areas of forming panel to enroll the faculty members for interaction, planning and finalizing course curriculum and some other programmes relevant to the entrepreneur's development along with the Radio Programmes in Entrepreneurship (RPE). The location of the office is Plot-123, Sec-A, Zone-A, Mancheswar I.E., Bhubaneswar, Ph-(0674)-2485609, 2485985, 2487176, Fax(0674)- 2485609.

8. INDUSTRIAL PROMOTION & INVESTMENT CORPORATION OF ODISHA LTD. (IPICOL):

The Industrial promotional and Investment Corporation of Odisha Ltd. has been established with the principal objective of promoting large and medium scale industries in the State.

IPICOL through the Industrial Coordination Bureau provides assistance and guidance to entrepreneurs in project identification, project finance, preparation of project reports, getting registration and license, obtaining clearance from various authorities and statutory bodies and removal of operational constraints for medium and large scale units. It promotes industries in joint sector by way of equity participation. It provides financial and managerial support for revival of sick units. The Foreign Investment Division of IPICOL is the single contact point for the NRIs and the foreign investors desirous of making investment in industrial projects.

The location of the office at Bhubaneswar is IPICOL Building, Bhubaneswar, Ph-(0674) – 2543679, 2543461, Fax: 0674-2543766 E-mail- ipicol@sancharnet.in, Website: www.ipicolorissa.com, www.investodisha.org

9. INDUSTRIAL INFRASTRUCTURE DEVELOPMENT CORPORATION OF ODISHA (IIDCO):

The Industrial Infrastructure Development Corporation of Odisha (IIDCO) is the nodal agency for providing industrial infrastructure needs to the entrepreneurs intending to establish industrial ventures in Odisha.

Services rendered by IDCO:

- a) Establishment of Industrial Areas, Industrial Estates, Functional Estates, Growth Centre's etc.
- b) Allotment of developed plots and built up sheds to entrepreneurs on long term lease hold basis
- c) Allotment of commercial shops
- d) Creation, improvement and maintenance of infrastructural facilities
- e) For the projects in large and medium sectors which can not be set up within the existing Estates, IIDCO helps them in identifying and acquiring private land for the industry

Industrial Growth Centres of about 1000 acres each are being established at Duburi, Chhatrapur, Jharsuguda and Kesinga.

Three Mini Growth Centres are also being established at Khurda, Rayagada and Paradeep under the Integrated Infrastructure Development Scheme of Government of India. 100 acres of land will be developed for each growth centre.

Export Promotion Industrial Park of about 205 acres of land with necessary infrastructure is being set up at Bhubaneswar under EPIP scheme of Ministry of Commerce, Government of India. An Industrial Park is being set up at Paradeep as joint venture with M/s. Bang Pekong, Thailand with state of the art technology/facilities. A Software Complex is being set up at Bhubaneswar for development of electronic projects with about 200000 sq.ft. area to accommodate different Software companies.

A Petro-Chemical Complex at Paradeep over 3000 acres has been developed close to the proposed refineries of IOC & Nippon Denro. IDCO has been declared as the Nodal Agency for implementation of the two Special Economic Zone of Paradeep and Gopalpur approved by Government of India. It is the only state Government PSO which has obtained ISO-9001 and ISO-14001 certificate for providing infrastructure and services of high order and maintaining modern environment management system. The detail address of IIDCO is IDCO Tower, Janpath, Bhubaneswar-751002, Ph-(0674)-2542784, 2540043, 2530476, 2540820, Fax-(0674)-2542956 E. mail cmdidco@dte.vsnl.net.in, Website: www.idco.in

10. DIRECTORATE OF EXPORT PROMOTION AND MARKETING:

Directorate of Export Promotion and Marketing has been set up to promote export of goods from the State of Odisha and to provide marketing assistance to MSE units of the State. It disseminates market intelligence and overseas tender/trade enquiries among the existing and potential exporters/entrepreneurs of Odisha for their active participation. It renders guidance in export processing, pricing of export items and on availability of different incentives for exports, granted by Govt. of India. It endeavors to establish infrastructure including establishment of Export Promotion Industrial Park etc. This Directorate registers MSE units and concludes rate contract for purchases by Govt. Deptt. and undertakings.

11. OTHER INSTITUTIONS WHICH ARE ENGAGED IN INDUSTRIAL DEVELOPMENT ARE:

1. Odisha Forest Development Corporation Ltd.,A-84, Kharvel Nagar, Bhubaneswar.
2. Odisha Remote Sensing Application Centre, Surya Kiran Building Complex, Sahid Nagar, Bhubaneswar.
3. Odisha Renewable Energy Development Agency (OREDA), Mancheswar Industrial Estate, Bhubaneswar.
4. Odisha State Pollution Control Board, A/118, Nilakhantha Nagar, Bhubaneswar.
5. Odisha Film Development Corporation Ltd., Buxi Bazar, Bhubaneswar.
6. Tribal Development Cooperative Corporation of Odisha Ltd, Rupali Square, Bhubaneswar.
7. Odisha State Cooperative Handicrafts Corporation, Rasulgarh, Bhubaneswar.
8. Odisha State Export Development Corporation (OEDC), Bhubaneswar.
9. Odisha Khadi & Village Industries Board (KVIB), Kharavela Nagar, Bhubaneswar.
10. Odisha Mining Corporation Ltd., Bhubaneswar.
11. Directorate of Technical Education and Training, Killamaidan, Cuttack.
12. Odisha Agro-Industries Corporation, Satya Nagar, Bhubaneswar

ANNEXURE -B
FISCAL INCENTIVES FOR MSMEs IN INDUSTRIAL POLICY RESOLUTION 2015, GOVT. OF ODISHA

1. LAND AT CONCESSIONAL RATE

- Ground rent @ 1% of the land Value.
- 10 % of the land for large projects limiting to 300Acre shall be earmarked for Ancillary & Downstream Industrial Park.

2. EXEMPTION OF PREMIUM ON CONVERSION OF Ag. LAND FOR INDUSTRIAL USE

- New Industrial units and existing industrial units taking up E/M/D.

➤ Micro & Small Sector	100% up to 5 Acres
➤ Medium Sector	75% up to 25 Acres
➤ Priority Sector	100% up to 100 Acres & 50% for balance Area

3. INTEREST SUBSIDY

- New MSME @ 5% per annum on term loan for Five years and same for Seven years for Industrially Backward Districts limiting to-

Micro Enterprise-Rs. 10 Lakh	Small Enterprise- Rs. 20 Lakh	Medium Enterprise -Rs. 40Lakh
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4. STAMP DUTY EXEMPTION

- No stamp duty for land allotted by the Govt. to IDCO or Govt./IDCO to Private Indl Estate Developers

➤ Transfer of land/shed by Govt./IDCO/Private Indl Estate Developers to new units and existing units acquiring fresh land for E/M/D	<ul style="list-style-type: none"> • Micro & Small Sector • Medium Sector • Priority Sector 	75% of Stamp duty 50% of Stamp duty 100% of Stamp duty
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- Stamp Duty exemption on transfer of management/ conversion to Company/ reconstruction & amalgamation of Companies/ execution of loan deed / credit deed / hypothecation deeds.

5. ENERGY

A. Exemption of Electricity Duty for 5 years	New MSMEs New units in the Priority Sector	Up to Contract demand of 500 KVA Up to Contract demand of 5 MVA
	New & Existing industrial units setting up Captive Power Plant with non-conventional sources & bio-fuel as Green Energy Subsidy.	
B. Seasonal Units such as food processing, sugar, salt and cotton ginning & pressing unit		

shall be allowed for temporary surrender of a part of their contract demand as per norms of OERC.		
C. One-time reimbursement of cost of Energy Audits for achieving energy efficiency up to		
Micro Enterprise-Rs. 1 Lakh	Small Enterprise – Rs. 2 lakh	(Medium Enterprise – Rs. 3 lakh)

6. VAT REIMBURSEMENT – in a tapered manner

New MSMEs	75% of net VAT paid for 5 years	Limited to 100% of cost of plant & M/C
New units in Priority Sector	100% of net VAT paid for 7 years	Limited to 200% of cost of Plant & M/C
Existing MSMEs taking up E/M/D	75% of net VAT paid on increased production for 7 years	Limited to 200% of additional cost of Plant & M/c for E/M/D
New Pioneer Units	100% of net VAT paid for 9 years	Limited to 200% of cost of Plant & M/c
Anchor Tenant in Indl park	100% of net VAT paid for 9 years	Limited to 200% of cost of Plant & M/c
❖ Above provision will be suitably replaced / modified after GST is introduced		

7. REIMBURSEMENT OF ENTRY TAX

Plant & Machinery	New MSMEs & Priority Sector Units	100% of Entry Tax paid on plant & M/c
	Existing MSMEs & Priority Sector units taking up E/M/D	100% of Entry Tax paid for 5 years limited to 100% of cost of plant & M/c
Raw Materials	New MSMEs & Priority Sector Units	100% of Entry Tax paid for 5 years limited to 100% of cost of plant & M/c
	Existing MSMEs & Priority Sector units taking up E/M/D	100% of Entry Tax paid on additional raw materials for 5 years limited to 100% of cost of additional Plant and machinery.
	New Pioneer Units under each Priority Sector	
❖ The above provision will be suitably replaced/ modified after GST is introduced.		

8. REIMBURSEMENT OF ENTERTAINMENT TAX (ET)

I.	New Multiplex Cinema Hall of at least 3 screens with minimum capital investment of Rs. 3.00 Crores	100% of ET paid for 5 years
II.	Existing cinema hall upgrades to a multiplex and modernized with minimum investment of rupees one crore	100% ET paid for 5 years
❖ The above provision will be suitably replaced / modified after GST is introduced		

9. EMPLOYMENT COST SUBSIDY- for employing skilled & semi-skilled workers of domicile of Odisha as regular employees.

New & Existing units taking up E/M/D in Micro & Small Sector.	Male workers -75% of ESI & EPF contribution for 5 years Female workers-100% of ESI & EPF contribution for 5 years
New and existing units taking up E/M/D in Medium sector	Male workers-50% of ESI & EPF contribution for 3 years Female workers- 100% of ESI & EPF contribution for 3 years
New and existing units taking up E/M/D in MSME and Priority Sector-displaced for the establishment of the said Indl unit.	100% of ESI & EPF contribution for 3 years
New and existing Industrial units taking up E/M/D in MSME and Priority Sector - with Disabilities	100% of ESI & EPF contribution for 5 years
Employment Cost Subsidy- for additional period of 2 year of Industrially Backward Districts.	

10. PATENT REGISTRATION

New units and Existing units in MSME & Priority Sector taking up Expansion / Modernization / Diversification	100% of the registration cost limited to Rs. 10 Lakh
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11. QUALITY CERTIFICATION - & its renewal for next consecutive two years

New and Existing units in MSME & Priority sector taking up E/M/D	100% of quality certification charges limited to Rs. 3 Lakh
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12. ASSISTANCE FOR TECHNICAL KNOW-HOW

	Indigenous tech. Lakh	100% of cost up to Rs. 1
New units in MSME & Priority sector	Imported tech. Lakh	100% of cost up to Rs. 5

13. ENTREPRENEURSHIP DEVELOPMENT SUBSIDY

- ❖ 75% OF COURSE FEE LIMITED TO Rs.50,000/- per course to budding entrepreneurs to undergo Management Development Training in reputed national level institution.

14. ENVIRONMENTAL PROTECTION INFRASTRUCTURE SUBSIDY

- ❖ Rs. 20 Lakh or 20% of capital cost whichever is less for adopting Zero Effluent / ZLD & Setting – up Effluent Treatment Plant by MSMEs.

15. CAPITAL GRANT TO SUPPORT QUALITY INFRASTRUCTURE

Industrial parks/Cluster parks promoted by private sector / Ind. Association/ User Units in cluster format.	50% of the infrastructure cost up-to 10 crore / park or cluster.
Up-gradation of the existing parks/clusters provided the park / estate / cluster is User-managed	50% of total cost up-to Rs. 5 crore

16. ANCHOR TENENT SUBSIDY

- ❖ 25% SUBSIDY ON COST OF LAND
- ❖ Vat Reimbursement for additional 2 years subject to the overall limit.

17. MARKETING ASSISTANCE TO INDUSTRIES ASSOCIATIONS

- ❖ Assistance @ 50% of total rent limiting to Rs. 10 Lakh of participation of minimum 5 units in Odisha Pavilion in International Trade fairs abroad.

18. FILM INDUSTRY

- ❖ All Feature films produced fully or partly in Odisha exempted from entertainment Tax
- ❖ Producers of films utilize Kalinga Studio Limited, Film & Television Institute of Odisha and Kalinga Prasad Colour Laboratory shall avail incentives as per terms and conditions of OFDC.
- ❖ Soft loan assistance at a nominal rate of interest decided by OFDC.
- ❖ Multiplexes / Cinema Halls shall get Govt. land/IDCO land at concessional indl, rate.

19. Non-Mineral based new indl units in industrially backward districts with investment of Rs. 5.00 crore in Plant & M/c treated as Priority Sector unit & eligible for all incentives of Priority Sector.

ODISHA MSME DEVELOPMENT POLICY, 2016

GIST OF FISCAL INCENTIVES PROVIDED:

Capital Investment Subsidy to new Micro & Small Enterprises:

- General category 225% of cost of Plant & Machinery limiting to Rs.1 crore.
- SC,ST, differently abled, women & technical (Degree/Diploma) Entrepreneurs @30% of cost of plant and machinery limiting to Rs.1.25 crore.
- Set up in industrially backward including KBK districts – additional 5% of cost of plant and machinery within limit of Rs.1 cre/Rs.1.25 crore as applicable as above.
- Enterprises engaged in recycling of E-waste, Hospital waste, Construction & demolition waste – additional 5% of cost of Plant & Machinery with upper limit of Rs.10 lakh over & above the limits prescribed as above.

Seed Capital Assistance:

- One time grant @10% of Term loan limiting to Rs.15 lakh to 1st generation women, SC, ST, differently abled entrepreneurs in industrially backward districts including KBK.

Project Report Subsidy:

- One time grant upto Rs.50,000/- or 2% of the project cost, whichever is lower to new Micro Enterprises.

Reimbursement of Audit Cost for Water Conservation:

- One time reimbursement of 50% of audit cost limiting Rs.25,000/- to new Micro, Small & Medium Enterprises undertaking water conservation measures.

Assistance for raising Capital through SME Exchange:

- One time grant @20% of expenditure incurred for raising of capital through SME Exchange upto maximum amount of Rs.10 lakh of new Small & Medium Enterprises.

Trade Mark Assistance:

- 50% of expenditure incurred in obtaining Trade Mark subject to maximum of Rs.25,000/- to new Micro, Small & Medium Enterprises.

Reimbursement of Training Expenditure:

- 50% of the cost training of local manpower limited to Rs.3,000/- per person for a maximum of 10 persons in Micro and 20 persons in Small & Medium Enterprises. Additional training cost of Rs.1,000/- shall be reimbursed per woman Micro, Small & Medium Enterprises.

Award to MSM Enterprises/Entrepreneurs:

- To encourage competition and efficiency amongst Micro, Small & Medium Enterprises.

ANNEXURE-C
POLICIES FOR PROMOTING MSMES BY GOVT. OF ODISHA

ODISHA PROCUREMENT PREFERENCE POLICY FOR MICRO & SMALL ENTERPRISES, 2015

- ☐ **Objectives:-**
 - To provide and ensure fair, transparent, consistent, equitable procurement of goods and services produced/provided by MSMEs.
 - State Govt. Deptts and Agencies under its control shall procure

- ☐ **Strategy:**
 - Coordination among State Deptts and Agencies
 - Involvement of Stakeholders.
 - Emphasizing on Quality Production of Goods and Services provided.
 - Enhancing competitiveness with cost reduction
 - Emphasis on timely action.

- ☐ Director, EP&M, Odisha is the Nodal Agency for implementation of provision of the policy.
- ☐ Director, EP&M, or his nominee will be a member of the purchase committee above the District level.
- ☐ General Manager, RIC/DIC or his representative will be a member of the Purchase Committee above the district level.
- ☐ In Tenders, participating MSEs must have register under Odisha VAT or CST Act and must have VAT clearance certificate Form 612-A as prescribed under Section-99 of Odisha Value Added Tax Act 2004.
- ☐ Evaluation of tender papers of MSEs shall be made on basis price including price preference and other charges but excluding VAT, Taxes etc. as per the provision notified by Finance Deptt. Govt. of Odisha from time to time.
- ☐ Out of 20% target of annual procurement from the MSEs a sub-target of 20% i.e. 4% out of 20% i.e. 4% out of 20% shall be earmarked for procurement from MSEs owned by SC, ST, Physically challenged, Women and technical (Degree/Diploma holders) enterprises.
- ☐ Special Vendor Development Programme or Buyer Seller Meet shall be conducted by OSIC Ltd., in consultation with State Govt. deptts and agencies and shall play pivot role in consortia formation.
- ☐ State Govt. Deptts and Agencies under its control and other agencies as specified in the policy shall prepare Annual Procurement Plan for purchase and upload the same on their official website.
- ☐ Price Preference exemption from payment of earnest money, payment of 25% of prescribed security deposit, adopting e-procurement.

- ☐ **Sanction of Departure:-**

The administrative Deptts may sanction departure from the scheme in particular cases where such departure is in the interest of the State.

- ☐ **Miscellaneous:-**

This policy shall remain in force until substituted by another policy. The State Govt. may any time amend any provision of this Policy.

- ☐ Implementation of this Policy will be subject to issue of operational guidelines/statutory notification wherever necessary.

ODISHA STARTUP POLICY-2016

- Envisages to emerge among top 3 “Startup Hubs” in India by 2020
- Criteria for entity to be considered as “Startup” include:
 - The date of incorporation/registration not prior to five years
 - Turnover not to exceed Rs.25 crore for any preceding financial years
 - Working towards innovation, development, deployment or commercialization of new products, processes or services driven by technology or intellectual property and makes it scalable to achieving commercial success.

- Policy provides incentives and exemptions over & above the Startup Policy of Government of India
- Incentives for startup ecosystem
 - One time grant of 50% of capital cost (excluding cost of building) limited to Rs.1.00 crore to set up incubator facilities in approved Universities/Educational Institutions.
 - Performance capital grant of Rs.5.00 lakh for each successful startup to approved Universities/Educational Institutions; Incubators; & Industry groups/Industry House
 - Reimbursement of Rs.1.00 lakh per year for 3 years to institutions/Incubators/Industry towards internet, electricity & monitoring charges
 - Creation of Startup Capital Infrastructure fund/Seed fund upto Rs.25.00 crore.

- Incentives for startup:
 - Provision of Rs.10,000 per month for one year to Startups already received seed round funding approved
 - Reimbursement of marketing/publicity assistance upto Rs.5.00 lakh for introduction of innovated product in the market.
 - Reimbursement of VAT/CST as per IPR 2015
 - Reimbursement of cost of filing and prosecution of patent application as per IPR 2015
 - Mandatory 20% procurement by State Govt. Departments/PSUs.

Odisha Export Policy 2014 at a Glance

- ✓ The Odisha Export Policy 2014 aims at achieving the export turnover from the level of export of the State of Rs.12.246 crores during 2012-13 to Rs. 38.714 crores within a span of 10 years' time at a growth rate of 19% per annum. But due to proactive effort of Government of Odisha, the export turnover during 2016-17 has already reached a level of Rs.40.872 crores which registered 114% growth over the preceding year, 2015-16.
- ✓ Training Programmes and Workshops are organized at various levels by the DEP&M in collaboration with Export Promotion Council/FIEO to improve the efficiency of functionaries involved in the work of export promotion.
- ✓ DEP&M conducts interactive session from time to time with the Exporters and Bankers to facilitate Export Finance.
- ✓ For participation in International Trade Fairs in India and abroad, travel expenses in respect of not more than two persons from a firm shall be permitted, subject to 50% of the total travel expenses limited to Rs.50,000/-.
- ✓ The State Government is taking necessary steps to create containerised facilities in the ports located within the State.
- ✓ Visit of Foreign Trade delegations from different countries would be organized frequently with State Government participation to take them to industries at various locations in the State.
- ✓ "State Export Award" are being distributed annually among the exporters of Odisha for their outstanding export performances in the State under different product group.
- ✓ Setting up of Export Parks and Trade Centres in different locations of the State having export potentiality for Show Casing of MSME Product of the State in important cities of the country.
- ✓ The Directorate of Export Promotion and Marketing acts as the nodal Agency for undertaking all export promotion activities in the State.

Salient Features of the Odisha's Export

- ✓ During 2016-17, total export from Odisha was Rs.40.872 crore.
- ✓ Major items of exports are : Metallurgical products, Marine products, Software products, Engineering and Allied products.
- ✓ Odisha has a tremendous potential for export of products like: Handicrafts, Handlooms, Textiles, Agro-processed food products.
- ✓ Advantage for export of Odisha: 480 km of sea coast, number of ports like: Paradip, Dhamra, Gopalpur and many more upcoming ports.
- ✓ Major minerals available in the State: Iron ore, Manganese Ore, Bauxite, Chromite, Coal, Lime Stone etc.
- ✓ Air Cargo Complex at Biju Pattnaik International Airport, Bhubaneswar with Cargo Customs Clearance Facility.
- ✓ Container Terminal Facility at Paradip Port with Plant Protection and Quarantine (PPQ) permission facility.
- ✓ Multi-modal Logistics Park (ICD0 by CONCOR at Jharsuguda & Balasore.
- ✓ Testing Laboratory for pre-shipment export inspection by EIA (Export Inspection Agency) and MPEDA (Marine Products Development Agency for multi-product and seafood products respectively.
- ✓ Exposure visit through participation in International Trade Fairs both inside India and abroad as per provisions of State Export Policy-2014.

ODISHA FOOD PROCESSING POLICY, 2016

GIST OF FISCAL INCENTIVES PROVIDED:

Capital Investment Subsidy:

General Area - @ 25% of capital investment in Plant & Machinery limiting to Rs.2 crore to MSMEs including large industries.

SC/ST/Women/KBK area - @ 33% of capital investment in plant & machinery limiting to Rs.3 crore to MSMEs including large industries.

State-of-the Art NABL accredited Food Testing Laboratory - @ 50% of investment in Plant & Machinery limiting to Rs.4 crore.

Anchor Industry - @ 25% of investment in Plant & Machinery limiting to Rs.5 crore.

Cold Chain & Primary Processing Centre - @35% of capital investment in plant & machinery limiting Rs.5 crore.

Assistance for Reefer Vehicle - @ 35% of the cost of standalone New Reefer Vehicle (s)/Mobile pre-cooling van (s) limiting to Rs.25.00 lakh

Modernisation of Meat Shops through Urban Local Bodies-

- General Area - @ 35% of the cost of machinery / equipment and technical civil works limiting to Rs.5.00 lakh
- Industrially backward districts including KBK districts - @ 50% of the cost of machinery/equipment and technical civil works limiting to Rs.5 lakh.

Assistance for Human Resource Development:

Creation of infrastructure facilities for running degree/diploma/certificate courses in food processing technology – one time grant @ 50% of the cost pilot projects, laboratory equipment, technical/academic books/journals, facilities of testing food items limiting to Rs.1.00 crore.

Entrepreneurship Skill Development Programme (ESDP) – Support limiting to Rs.3 lakh per ESDP batch (of 25 to 30 trainees)

Assistance for promotional activities:

- Organising Seminar/Workshops – support limiting to Rs.2.00 lakh per event.
- Support to exhibitions/fairs – quantum of assistance as per approval of Govt.
- Domestic study tour/exposure visit - @ 50% of expenditure for a maximum of 2 batches (10-25 persons per batch) per annum limiting to Rs.2.00 lakh per batch.
- Conducting studies/surveys/feasibility report - @50% of the cost, limiting to Rs.4 lakh.

Assistance for setting up Mega Food Park/Sea Food Park/State Food Park:

- @20% of the project cost (excluding cost of land) as approved by Competent Authority limiting to Rs.15 crore to Special Purpose Vehicle (SPV) promoting Mega Food Park/Seafood park limiting to 75% of the Project Cost (excluding cost of land)

ODISHA BECKONS

Ideally located on the eastern coast of India, Odisha is richly endowed with natural beauty and resources which easily make it the most promising State for economic investment. The state has chromite, nickel, manganese, iron ore, bauxite ore and coal deposits to the extent of 98%, 93%, 40%, 28%, 59% and 24% respectively of the total reserves in the country which makes Odisha a favourite destination for investment in MSME sector. The presence of a few large industries has created scope for ancillary and downstream industries in MSME sector.

Odisha's diverse agro-climatic condition which includes 10 agro-climatic zones and 8 major soil types is favorable for production of different types of crops, vegetables, fruits and spices. In the marine segment, the state is bestowed with coastline over 480 kms and is the 9th largest producer of fish in India. Although Odisha is country's leading producer of rice, pulses, vegetables, oilseeds, cotton and fruits, the agro and food processing industry is in a nascent stage. The agro-horticultural produce is marred by colossal waste and very low level processing. There is a huge potential for investment in the food processing sector under MSME, with abundant availability of raw materials like maize, pulses, oilseeds, okra, tomato, citrus fruits, coconut, banana, mango and milk.

An overview of Odisha

Capital: Bhubaneswar

Population- 36,706,920(2011)

District: 30

Major Industries: Steel, Power, Aluminium, Cement, Mining, IT and Education.

Connectivity

Airport: Bhubaneswar

Ports: Paradeep, Dhamra, Gopalpur

Highway: More than 15 National Highways connect Odisha with the rest of the country.

MSME: A Shining Promise

The last five decades have seen an unprecedented growth of the Micro, Small and Medium Enterprises (MSME) sector in this country. The newfound dynamism is an important indicator of the possibilities that this sector presents and is an inspiration to many aspiring entrepreneurs. While on one hand the MSME sector has been churning out impressive employment opportunities for the youth of this country. It is also playing a key role in improving industrialization of the rural and backward areas. This in turn is helping in reducing the regional imbalances and in more equitable distribution of the National Income and wealth. The contribution of the MSME sector in the Indian context is not only economic growth but also social development.

Contribution of MSME to the growth of India. The past few years reveal that the contribution of MSMEs to the overall industrial production and GDP of the country has been consistent. While the total industrial production marks a 39% contribution, the GDP records it to nearly 6%.

Energy resources:

Odisha is the first State in the country to take up Power Sector Reform to ensure stable and quality power at a reasonable cost. The Energy Department has Public Sector Undertakings viz. Grid Corporation of Orissa Limited (GRIDCO), Orissa Power Transmission Corporation Ltd. (OPTCL), Orissa Hydro Power Corporation Limited (OHPC) and Orissa Power Generation Corporation Limited (OPGC) under its Administrative control. The Orissa Electricity Regulatory Commission (OERC) which is quasi-judicial independent body, ensures a transparent regulatory regime in the power sector of the State.

MSME Policy:

The Odisha MSME Development Policy, 2009 aims at broad basing the growth of MSMEs of the State in all potential sectors of economy thereby widening opportunities for employment generation, revenue augmentation, exports and realizing the full potential of Micro, Small & Medium Enterprise Sector of the State.

IPR Policy:

Industrial Policy Resolution IPR,2015 has been formulated after going through an elaborate iterative process wherein all stakeholders, including Industry Associations, Sector Specific Associations, Chambers of Commerce and Industry, Experts and Government Department/Agencies concerned have been consulted and their suggestion has been duly considered.

Food Processing Policy:

The MSME Department of Government of Odisha has brought out a new dedicated policy for food processing industries called Odisha Food Processing Policy,2013. It aims at value addition and waste reduction of the farm produce thereby increasing the income of farmers, maximizing direct and indirect employment generation opportunities and increasing the flow of investment across the supply chain from farm to market.

Export Policy:

Govt. has initiated actions to evolve Odisha Export Policy for boosting up export turnover of the state. The policy aims at enhancing skills of exporter, help them complete in global market and facilitate adoption of cutting-edge technology.

Procurement Policy:

MSME Department, Govt. of Odisha, has declared Odisha Procurement Preference Policy for Micro and Small Enterprises, emphasizing on the mandatory procurement preference so as to broaden the marketing avenues for Micro and Small Enterprises of the State.

Single Window Clearance:

The State has an established Single Window Clearance mechanism in pursuance of the Orissa Industries (Facilitation) ct 2004 for providing time bound clearances and approvals. A Combined Application Form (CAF) has been created which all departments/authorities are mandated to accept. This is an effective institutional mechanism for industrial promotion and investment facilitation at various levels.

A three tier single window clearance mechanism to facilitate speedy implementation of industrial projects is in place. At the helm, the High Level Clearance Authority (HLCA) chaired by the Chief Minister and State Level Single Window Clearance Authority (SLSWCA) chaired by the Chief Secretary shall provide the overall direction and guidance. IPICOL has been functioning as the State Level Nodal Agency (SLNA) and Technical Secretariat for SLSWCA. District Level Single Window Clearance Authority (DLSWCA) is activated in all the districts. The Regional Industries Centres (RIC) and District Industries Centres (DIC) are effectively taking on the function of District Level Nodal Agency (DLNA).