
MIDC and Infrastructure: Role of MIDC in Development of Industrial Infrastructure

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Abstract:

Industrial development is necessary for higher standard of living of people. It is need of every state in India, to achieve the economic prosperity of peoples/ society, various studies reveals that infrastructure is necessary for industrial development. It is also necessary to make plan for effort required for industrial infrastructure development in the state of Maharashtra.

Introduction:

Before and after the time of India's independence, industrialization in India was concentrated in few regions. Today's Maharashtra state had imbalanced in terms of industrial development. Before the establishment of the Maharashtra state various study group⁰ was appointed by the government. After the formation of Maharashtra state, the government appointed Board of Industrialization (BID) under the chairmanship of late shri S. G. Barve. BID had developed industrial areas of Mumbai, Pune, Aurangabad, etc. The BID also advised for need of establishing statutory corporation for establishing industrial development in the state. The state legislation had passed. The Maharashtra industrial Development Act, 1961 and MIDC had commenced work form 1st August, 1962.

Objectives of study:

1. To study the various activities carried out in MIDC for industrial infrastructure development.
2. To study in brief developed and under developed industrial areas in MIDC in Maharashtra in Maharashtra.
3. To study the growth of developed and developing part of MIDC.
4. To study the industrial infrastructure disparity in Maharashtra.

Objectives of MIDC:

1. To promote and help in establishment growth, and development of industries I the state of Maharashtra
2. To achieve decentralized industrial development in whole the state.
3. To establish industrial areas and industrial estates with basic following facilities i.e. roads, street light, water supply, drainage, etc.

Review of Literature:

Dr. K.N. Kagde attempted to examine the backwardness of Marathwada region. The author stressed in his study that Marathwada was one of the most backward region of Maharashtra state in respects, particulars industry, infrastructure, entrepreneurship, agriculture etc. Dr. R. P. Kurulkar reviewed industrial development of Marathwada region and concluded that the industrial development of Marathwada picked up but the major part of the development took place in Aurangabad city only, the remaining 6 districts of the region not benefited to any great extent in the process of industrialization. The main reason for such uneven development was the better infrastructure facilities available in Aurangabad city in relation to other districts and places in the region. Dr. D.P. Palsapure made a study of industrial development of Maharashtra over the period from 1961 to 1985. The author concluded that Maharashtra state achieved significant progress in the industrial activities over the period of time and maintained its leading position in the county. It was also pointed that the disparities in the levels of industrial development among 4 regions, viz., Western Maharashtra, Konkan, Vidarbaha and Marathwada, of the state had to be reduced by adopting appropriate policy. Dr. M. A. Lokhande examined industrial development of Jalna district. The study revealed that industrially backward district remained backward for years because of insufficient infrastructure facilities in Marathwada region. The study pointed out that there were under developed infrastructural facilities in mini MIDC areas and growth centers. Therefore, industrialization process in the region could not accelerate in most of the mini MIDC areas. Dr. L. B. Bahir reviewed that contribution of MIDC in the light of its objectives to reduce the inter-regional industrial disparity in the state in general and inter-district industrial disparity in Aurangabad division in particular. Lokhande, M.A (2015) The sample entrepreneurs (274) were selected deliberately from four blocks/talukas as these are fast developing business centers. The sample constituted 55.47 percent male respondents and 44.53 percent female respondents having different socio-economic backgrounds. The researcher has tried to examine as to whether there is association between educational, occupational and social backgrounds and entrepreneurial skills developed among the respondent entrepreneurs?

Table 1. Land In Possession For Industrial Areas By MIDC

Sr.No	Name of Industrial area	Total area in Possession as on 31st March 2000			Total area in Possession as on 31st March 2009		
		Government	Private	Total	Government	Private	Total
I	Developed Parts						
	M.M.R. Division	1,268.42	3,790.06	5,058.48	1,268.49	3,569.93	4,838.42
	P.M.R. Division	293.34	1,123.99	1,417.33	308.13	1,353.54	1,661.67
	Total I. Developed Parts	1,561.76	4,914.05	6,475.81	1,576.62	4,923.47	6,500.09
II	Developing Parts						
A.	Konkan (Mumbai) Division	892.79	7,082.45	7,975.24	769.49	6,971.28	7,740.77
B.	Nasik Division	624.30	5,009.23	5,633.53	1,393.19	6,734.52	8,127.71
C.	Pune Division	371.17	8,457.76	8,828.93	589.50	9,755.47	10,344.97
D.	Aurangabad Division	464.85	7,380.11	7,844.96	484.89	7,325.65	7,810.54
E.	Amravati Division	755.74	5,609.86	6,365.60	755.20	5,616.26	6,371.46
F.	Nagpur Division	900.97	7,386.71	8,287.68	920.82	7,893.29	8,814.11
	Total II. Developed Parts	4,009.82	40,926.12	44,935.94	4,913.09	44,296.47	49,209.56
	Grand Total	5,571.58	45,840.17	51,411.75	6,489.71	49,219.94	55,709.65
	Mean	696.45	5,730.02	6,426.47	811.21	6,152.49	6,963.71
	S.D.	324.74	2,397.92	2,427.29	372.91	2,629.08	2,686.26
	C.V.	46.63	41.85	37.77	45.97	42.73	38.58

Source: 38th and 47th Annual Report of MIDC.

It is observed from Table No.1 that, land possession for industrial area the Pune division has the highest share of 18.57%, Amravati division has the second largest number of industrial land areas, i.e. 15.82% followed by Nashik and Pune division securing 14.59% and 13.89% increased during study period.

Table 2. Statement of Industrial Plot Allotted by MIDC

(In Numbers)

Serial No.	Name of Industrial area	Allotment of Industrial plots as on 31st March 2000		Allotment of Industrial plots as on 31st March 2009	
			Percentage		Percentage
I	Developed Parts				
	M.M.R. Division	5,811.00	19.04	6,533.00	15.98
	P.M.R. Division	1,883.00	6.17	1,957.00	4.79
	Total I.Developed Parts	7,694.00	25.20	8,490.00	20.77
II Developing Parts					
A.	Konkan (Mumbai) Division	3,771.00	12.35	4,680.00	11.45
B.	Nashik Division	5,360.00	17.56	6,620.00	16.20
C.	Pune Division	5,497.00	18.01	8,213.00	20.09
D.	Aurangabad Division	4,027.00	13.19	6,304.00	15.42
E.	Amravati Division	1,694.00	5.55	2,860.00	7.00
F.	Nagpur Division	2,484.00	8.14	3,709.00	9.07
	Total II.Developed Parts	22,833.00	74.80	32,386.00	79.23
	Grand Total	30,527.00	100.00	40,876.00	100.00
	Mean	3,815.88		5,109.50	
	S.D.	1,658.31		2,155.09	
	C.V.	43.46		42.18	

Source: 38th and 47th Annual Report of MIDC.

Note: Figures in bracket shows percentage to total.

It is noted from Table No.2 that, the Pune division has secured highest share percentage of 20.09% in the industrial plot allotted by MIDC, Nashik division of 16.20% being second position and Pune M.M.R. division and Amravati division least share of 4.79% and 7% Division has slide down during study period.

Table 3. Statement of Commercial Plot Allotted by MIDC

(In Numbers)

Serial No.	Name of Industrial area	Allotment of Commercial plots as on 31st March 2000		Allotment of Commercial plots as on 31st March 2009	
			Percentage		Percentage
I	Developed Parts				
	M.M.R. Division	134.00	6.54	180.00	5.75
	P.M.R. Division	144.00	7.02	247.00	7.90
	Total I .Developed Parts	280.00	13.66	427.00	13.65
II	Developing Parts				
A.	Konkan (Mumbai) Division	307.00	14.98	478.00	15.28
B.	Nashik Division	304.00	14.83	438.00	14.00
C.	Pune Division	174.00	8.49	390.00	12.47
D.	Aurangabad Division	621.00	30.29	831.00	26.57
E.	Amravati Division	45.00	2.20	102.00	3.26
F.	Nagpur Division	319.00	15.56	462.00	14.77
	Total II. Developed Parts	1,770.00	86.34	2,701.00	86.35
	Grand Total	2,050.00	100.00	3,128.00	100.00
	Mean	256.00		391.00	
	S.D.	177.59		225.89	
	C.V.	69.37		57.77	

Source: 38th and 47th Annual Report of MIDC.

Note: Figures in bracket shows percentage to total.

It is seen from Table No.3 that, commercial plot allotted by MIDC the Aurangabad division has the highest share of 26.5% Konkan division of 15.28% and the Amravati division being at least position with 3.26% share only. In respect of commercial plots the disparity has slide down from 69.37% in the year 1999-2000 to 57.77% in the year 2008-09.

Table 4. Statement of Amenity Plot Allotted by MIDC (In Numbers)

Serial No.	Name of Industrial area	Allotment of Amenity plots as on 31st March 2000		Allotment of Amenity plots as on 31st March 2009	
			Percentage		Percentage
I	DEVELOPED PARTS				
	M.M.R. Division	164.00	18.70	201.00	16.82
	P.M.R. Division	87.00	9.92	107.00	8.95
	Total I .Developed Parts	251.00	28.62	308.00	25.77
II	DEVELOPING PARTS		0.00		0.00
A.	Konkan (Mumbai) Division	103.00	11.74	159.00	13.31
B.	Nashik Division	108.00	12.31	138.00	11.55
C.	Pune Division	173.00	19.73	244.00	20.42
D.	Aurangabad Division	149.00	16.99	222.00	18.58
E.	Amravati Division	37.00	4.22	51.00	4.27
F.	Nagpur Division	56.00	6.39	73.00	6.11
	Total II.Developed Parts	626.00	71.38	887.00	74.23
	Grand Total	877.00	100.00	1,195.00	100.00
	Mean	109.63		149.38	
	S.D.	47.35		71.26	
	C.V.	43.19		47.70	

Source: 38th and 47th Annual Report of MIDC.

Note: Figures in bracket shows percentage to total.

Table No.4- In the case of Amenity plot allotted the M.M.R. division at first rank by securing 25.77% Pune division on at second, securing 20.42% share and the Amravati division has the least share of 4.27%. It is also seen that industrial disparity has slowly increased.

Table 5. Statement of Small Plots Allotted by MIDC (In Numbers)

Serial No.	Name of Industrial area	Allotment of Small plots as on 31st March 2000		Allotment of Small plots as on 31st March 2009	
			Percentage		Percentage
I	Developed Parts				
	M.M.R. Division	433.00	19.40	720.00	20.62
	P.M.R. Division	413.00	18.50	550.00	15.75
	Total I.Developed Parts	846.00	37.90	1,270.00	36.37
II	Developing Parts				
A.	Konkan (Mumbai) Division	275.00	12.32	420.00	12.03
B.	Nashik Division	278.00	12.46	428.00	12.26
C.	Pune Division	622.00	27.87	711.00	20.36
D.	Aurangabad Division	127.00	5.69	506.00	14.49
E.	Amravati Division	38.00	1.70	41.00	1.17
F.	Nagpur Division	46.00	2.06	116.00	3.32
	Total II.Developed Parts	1,386.00	62.10	2,222.00	63.63
	Grand Total	2,232.00	100.00	3,492.00	100.00
	Mean	279.00		436.50	
	S.D.	205.22		248.69	
	C.V.	73.56		56.97	

Source: 38th and 47th Annual Report of MIDC.

Note: Figures in bracket shows percentage to total.

On the analysis of Table NO.5, it is observed that, in respect small plots allotted M.M.R. division has on first position with 20.62% Aurangabad division has on second of 20.36% and again Amravati division has on least position with 1.17% disparity in this regard has also decreased.

Table 6. Statement of Built-Up Sheds Allotted by MIDC

(In Numbers)

Serial No.	Name of Industrial area	Allotment of Built-Up Sheds as on 31st March 2000		Allotment of Built-Up Sheds as on 31st March 2009	
			Percentage		Percentage
I	DEVELOPED PARTS				
	M.M.R. Division	1,379.00	37.60	1,386.00	35.57
	P.M.R. Division	345.00	9.41	345.00	8.86
	Total I.Developed Parts	1,724.00	47.00	1,731.00	44.43
II	DEVELOPING PARTS				
A.	Konkan (Mumbai) Division	263.00	7.17	318.00	8.16
B.	Nashik Division	546.00	14.89	584.00	14.99
C.	Pune Division	514.00	14.01	581.00	14.91
D.	Aurangabad Division	309.00	8.42	346.00	8.88
E.	Amravati Division	104.00	2.84	103.00	2.64
F.	Nagpur Division	208.00	5.67	233.00	5.98
	Total II.Developed Parts	1,944.00	53.00	2,165.00	55.57
	Grand Total	3,668.00	100.00	3,896.00	100.00
	Mean	458.50		487.00	
	S.D.	399.99		397.68	
	C.V.	87.24		81.66	

Source: 38th and 47th Annual Report of MIDC.

Note: Figures in bracket shows percentage to total.

Table No.6 It has in respect of Built-up sheds allotted by MIDC it is seen that M.M.R. division has the highest share of 35.57% Nashik division has the second largest number of Built up sheds allotted i.e. 14.99%, M.M.R., Nashik and Pune division are above the average i.e. 487.00.

Table 7. Statement of Industrial Galas Allotted by MIDC

(In Numbers)

Serial No.	Name of Industrial area	Allotment of Industrial Galas as on 31st March 2000		Allotment of Industrial Galas as on 31st March 2009	
			Percentage		Percentage
I	DEVELOPED PARTS				
	M.M.R. Division	384.00	50.39	784.00	57.69
	P.M.R. Division	136.00	17.85	154.00	11.33
	Total I.Developed Parts	520.00	68.24	938.00	69.02
II	DEVELOPING PARTS				
A.	Konkan (Mumbai) Division	0.00	0.00	0.00	0.00
B.	Nashik Division	122.00	16.01	232.00	17.07
C.	Pune Division	0.00	0.00	0.00	0.00
D.	Aurangabad Division	46.00	6.04	78.00	5.74
E.	Amravati Division	0.00	0.00	0.00	0.00
F.	Nagpur Division	74.00	9.71	111.00	8.17
	Total II.Developed Parts	242.00	31.76	421.00	30.98
	Grand Total	762.00	100.00	1,359.00	100.00
	Mean	95.25		169.88	
	S.D.	128.65		261.79	
	C.V.	135.06		154.11	

Source: 38th and 47th Annual Report of MIDC.

Note: Figures in bracket shows percentage to total.

It is observed from Table no. 7, the industrial galas were allotted by MIDC again M.M.R. division ranks on first position with 57.69%, second position secured by Nashik division with 17.07% and least position secured by Amravati division. As far as disparity regarding the industrial galas allotted is to be concern, the disparity has grown up from 135.00 in the year 1999-00 to 154.11 in 2008-09.

Findings:

1. Division-wise infrastructural development has shown disparity M.M.R, Konkan, P.M.R division occupied high position C.V. shows this variation.
2. The study shows there has been inter-divisional imbalance in all works done by MIDC.
3. The growth trend high in respect of developed division as compare to developing division.
4. The process of various plot allotment is lengthy.
5. The differential premium areas for plots, water, etc. are low they are require to high.
6. The MIDC has been established for balance industrial growth in the state of Maharashtra. But till date they have not achieved the goal.
7. The activities of MIDC are concentrating in developed parts and konkan division.
8. The considerable volume of various developments has been taken place in various divisions.
9. Insufficient built-up sheds, commercially sheds etc seen in developing divisions.
10. The degree of imbalance of development activity has also seen in various indicators.
11. Housing activity was not seen in developing divisions in the state.

Suggestions:

It is require that MIDC to develop more and more industrial infrastructure in industrially developing areas to reduce industrial infrastructural disparity. There is also need of professional attitude of MIDC for their objectives more works require in rural areas.

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