

Chapter 4: Industrial Scenario

4.1 General Overview

As of March 2007, the number of Small Scale Industries existing in Jharkhand was 1,63,220 out of which 28,468 were registered units and remaining 1,34,752 were un-registered units. This is an improvement from the scenario in 2005-06: around 25,418 registered units provided employment to 90,561 persons and 1,30,019 un-registered units employed 2,36,926 persons. For comparison with 2004-5 period refer Table 4.1. Thus in totality 1,55,437 small scale units provided an employment to 3,27,487 persons in 2005-6.

Table 4. 1 Number of Units and Employment in Jharkhand

	2004-05		2005-06	
	Registered Units	Un-registered Units	Registered Units	Un-registered Units
Number of Units	20,616	1,27,533	25,418	1,30,019
Employment (in persons)	-	-	90,561	2,36,926

Source: www.indiatstats.com

Ministry of Labour & Employment, Govt. of India.

The number of registered small scale industries is highly concentrated in Hazaribag, Giridih, Ranchi, East Singhbhum and Dhanbad. Table 4.2 gives the distribution of small scale industries in the districts of Jharkhand.

Table 4. 2 Small Scale Industries in Jharkhand

Districts	Total Registered and operational Units	Investment (In Rs lakh)
Garhwa	709	214.45
Palamu	1070	508.81
Chatra	336	105.31
Hazaribagh	1548	4248.49
Kodarma	589	384.22
Giridih	2271	2158.02
Deoghar	1896	1189.34
Godda	761	448.21
Sahibganj	517	211.29
Pakaur	612	293.27
Dumka	1000	125.86
Dhanbad	2400	2542.17
Bokaro	964	360.39
Ranchi	5075	4154.43
Lohardaga	309	109.81
Gumla	625	406.09
Pashchimi Singhbhum	2381	1297.79
Purbi Singhbhum	3042	1974.41

Simdega	53	48.49
Latehar	108	97.91
Jamtara	78	94.51
Sariakela	278	378.77

Ranchi, Pashchimi Singhbhum, Purbi Singhbhum, Dhanbad, Giridih have the maximum operational small scale industries which is one of main source of income and employment. Simdega and Jamtara have the least number of registered and operational small scale units.

In parallel with the small scale industries, Jharkhand also has a large number of different large and medium scale industries (see Table 4.3 for the different industries). After the formation of the state ,82 large and medium scale industries have been into operation in various sectors of sponge iron, pig iron, TMT bars power plant, cement, ferro alloy and auto components. These large and medium scale industries entailed an investment of Rs 31,05,559 lakh and have generated an employment to 6,893 people.

Table 4. 3 Large and Medium Scale Industries (after the creation of Jharkhand State)

Sl. No.	Name of Industry	Annual Capacity	Product Manufactured	Total Capital	Employment	Industry Location
				(Rs lakh)		
1	Ms K.Y.S. Sponge Iron P. Ltd.	15000 MT	Sponge Iron	289.5	22	Jamshedpur
2	Ms Chandil Industries Ltd.	15000 MT	Sponge Iron	378	20	Chandil
3	Ms Ashirvad Steel & Ind. Ltd.	45000 MT	Sponge Iron	716	110	Jamshedpur
4	Ms B.K. Steel Industries Ltd.	100000 MT	Rods, flats of alloy and non-alloy	2121		Jamshedpur
5	Ms Sri Sai Electro Casting Ltd.	15840 MT	MS ingot	391	31	Koderma
6	Ms Balmukund Sponge and Iron Ltd.,	30000 MT	Sponge Iron	550.5	49	Giridih
7	Ms I.D.L. Industries Ltd.	2000 MT	SMS Bulk Explosive	8240	19	Dhanbad
8	Ms Bisco Sponge Iron Ltd.	30000 MT	Sponge Iron	480	21	Jamshedpur
9	Ms Metalite India Pvt. Ltd		Fabricated structural product of iron and steel	271.58	194	Kokar, Ranchi
10	Ms Hitech Chemicals Pvt. Ltd.	21600 MT	Refractory material and foundry chemical	198.7	102	Jamshedpur
11	Ms Dayal Alloy and Steel Casting, Ramgarh	28800 MT	MS ingot	662	32	Ramgarh
12	Ms Dayal Ferro Alloy Ramgarh	40000 MT	Silico manganese	299	22	Ramgarh
13	Ms Balaji Electro Steel Ltd. (Furnace Division)	30000 MT	MS ingot	346.94	40	Koderma
14	Ms Bihar Caustic and Chemical Ltd., Garhwa		Captive power plant	11871	124	Garhwa
15	Ms Welkmit Industries Ltd.		Woven elastic and nylo-fabric	1336	100	Jamshedpur
16	Ms Tata Cummins Ltd.	60000 MT	CNG engine	880.32	438	Jamshedpur
17	Ms Ma Chinna Mastika Sponge Iron Pvt. Ltd.	12000 MT	Sponge Iron	150.72	15	Hazaribagh
18	Ms Usha Beltron Ltd.		Steel billet	30547	1201	Jamshedpur

19	Ms Sai Electro Casting Ltd.	15000 MT	Ingot	172	21	Koderma
	Tilaiya, Koderma (Extension)					
20	Ms Chandil Industries Ltd. (Extension)	15000 MT	Sponge iron	211	9	Jamshedpur
21	Ms Vishwanath Pvt. Ltd.	15000 MT	Sponge Iron	396	76	Giridih
22	Ms Lakshmi Ispat Udyog	30000 MT	Sponge Iron	582.5	40	Koderma
23	Ms Brahmanand Mineral	259200 Litres	Mineral Water	204	18	Chandil
24	Ms Lafarge India Ltd.	15700 MT	Cement	7373		Jamshedpur
25	Ms Ajanta Bottlers and Blenders Pvt. Ltd.	18000 kilolitre	Liquor (IMFL)	444.04	15	Tupudana Industrial Area
26	Ms Anjaneya Ispat Pvt. Ltd.	1500 MT	Pig Iron	397.53	70	Industrial Area, Adityapur
27	Ms J.M.T. Auto Ltd.	10,00,000 nos.	MV Parts and Forgings	1252.97	10	Industrial Area, Adityapur
28	Ms Regal Ingot Pvt. Ltd.	15000 MT	Ingot	314.77	100	Chas Bokaro
29	Ms Chandil Industries Ltd. Seraikella-Kharswan (Extn.)	15000 MT	Sponge Iron	211.41	3	Chandil
30	Ms Shivam Iron Pvt. Ltd.	9350 MT	Ferro Alloy	401.57	100	Giridih
31	Ms Eastern Synpacks Ltd. Jojobera, Jamshedpur (Extn.)	420	Cement Plastic Bag	123.36	12	Jamshedpur
32	Ms Ma Chinna Mastika Sponge Iron Pvt. Ltd.	15000 MT	Sponge Iron	130.61	15	Ramgarh
33	Ms Vicks Gears India Ltd.	8000 pcs/month	Auto Component	235.76	25	Industrial Area Adityapur
34	Ms Sai India Ltd.	30000 MT	Sponge Iron	855.64	21	Naugaon, Jhinkpani, Singhbhum West
35	Ms Balaji Electro Steel Ltd.	24000 MT	MS Ingot	307.58	21	Gajhadi Road, Jhumri Tilaiya
36	Ms Jagaran Prakashan Ltd.					
	Ranchi	30000 C/H	News Paper	446	65	Kokar Industrial Area, Ranchi
	Jamshedpur	30000 per hour	News Paper	263.5	50	
	Dhanbad	30000 per hour	News Paper	275.4	35	
37	Ms Kunj Iron Products Ltd.	30000 MT	Sponge Iron	158		Chirkunda, Dhanbad
38	Ms Dayal Ferro Alloy Ltd.	10000 MT	Ferro Alloy	309.99	1000	Ramgarh
39	Ms La Opala R.G. Ltd.	1080 MT	Glassware	419	42	Madhupur
40	Ms Saurat Auto Tack Pvt. Ltd.			119	63	Industrial Area, Adityapur
41	Ms Arush Metal Casting P Ltd.			275	50	Adityapur, Jamshedpur
42	Ms Shiv Shambhu Roller Flower Mill Pvt. Ltd.	27000 MT	Aata, Maida, Suji	240.83	100	Dhanbad
43	Ms Tirupati Ingot Pvt. Ltd.	12000 MT	Ingot	273	50	Koderma
44	Ms Lakshmi Ispat Udyog	3000 MT	Sponge Iron	346.87	20	Koderma
45	Ms Hico Engineers Pvt. Ltd.	1281 MT	Sheet Metal Auto Component	123	50	Industrial Area, Adityapur
46	Ms Samridhi Sponge P. Ltd.	30000MT	Sponge Iron	851.63	60	Sini Seraikella-Kharswan

47	Ms Anjaneya Ferro Alloy Ltd.	12000 MT	Ferro Alloy	494	30	Mihijam, Jamtara
48	Ms Vimaldeep Steel Pvt. Ltd.	100 TPD	Sponge Iron	958.63		Industrial Area, Adityapur
49	Ms Dudani Fuels Pvt. Ltd.	17000 MT	Pig Iron	457.22	45	Dhanbad
50	Ms Nilachal Iron & Power Ltd. Ratanpur Kandra, Chandil Road, Saraikela-Kharswan	12000 MT	Sponge Iron	7250	750	Ratanpur Kandra Road
51	Ms Kewal Metallic Ltd.	35000 MT	Pig Iron	1306.43	50	Chauka, Seraikela
52	Ms Swastik Fruits Products Pvt. Ltd.	9000 kilo liter	Mango Fruity Drink	594.25	50	Tatisilwai Industrial Area, Ranchi
53	Ms Multitech Auto Ltd.	300 lakh	Auto Component	131.43	10	Industrial Area, Adityapur
54	Ms Satyam Ferro Tech P Ltd.	62000 MT	MS Billets	58	216	Udhabad, Giridih
55	Ms Brahmanand Cold Storage Ltd., Tamulia, Seraikela-Kharswan	3000 MT	Storage of apples, pears, orange, grapes	275.19	14	Tamulia, Seraikela-Kharswan
56	Ms Arihant Ingots Pvt. Ltd.	60 MT /day	Mild steel ingots	321.88		Hupad Demotand, Hazaribagh
57	Ms BOC India Ltd.	225 ton/day	Oxygen gas	28,14,11,437		Sakchi, Jamshedpur
58	Ms T&T Metals Pvt. Ltd.	2000 MT	MS ingots and rolled products	188.19	40	Ranchi
59	Ms Ranbir Polymer Industries Adityapur, Jamshedpur	2.75 crore	Rubber molding, rubber hoses	114 crore	42	Adityapur Industrial Area
60	Ms SSL Ind Pvt. Ltd.	1877 MT	Auto component steel metal	262.74	20	Adityapur Industrial Area
61	Ms Maihar Alloys Pvt. Ltd. Rauta, Marar, Hazaribagh	24000 MT	Non alloys steel	215.958	44	Marar, Hazaribagh
62	Ms Uday Vijay Pvt. Ltd.	17175 MT	MS ingot	328.69	50	Bokaro
63	Ms Om Dayal Ingot & Steel Co. Pvt. Ltd., Chandil	13500 MT	Steel ingot	317.33	7	Chandil
64	Ms Vellore Wires Pvt. Ltd. Industrial Area, Gamharia, Jamshedpur	150 MT	Wire	226.21	15	Industrial Area Gamharia
65	Ms Sri Krishna Lakshmi Steel Udyog Pvt. Ltd., Adityapur, Jamshedpur	17100 MT	Ingot	130.44	54	Adityapur, Jamshedpur
66	Ms Hanuman Alloys Pvt. Ltd.	57000 MT	Pencil ingot	1379.53	21	Bokaro Industrial Area
67	Ms Bhuvania Associate P Ltd. Chitarpur, Hazaribagh	15000 MT	Ingot	433.17	50	Chitarpur, Hazaribagh
68	Ms Associate Cement Pvt. Ltd. Chaibasa Works,	900000 MT	Clinker/Cement	3005055	6	West Singhbhum

69	Ms Shivram Sponge Iron P Ltd Chandil, Seraikela	60000 MT	Sponge iron	2500	200	Chauka, Chandil
70	Ms Sumi Vyapar Pvt. Ltd.	30000 MT	Sponge iron	1055.68		Kuju, Hazaribagh
71	Ms Dwarika Bee Hive Plant Pvt. Ltd.	26250 MT	Clean coal	142	-	Kumardhubi
72	Ms Amba Re-rolling Mill	9600 MT	TMT bar	272.92	21	Industrial Area Adityapur
73	Ms Steel City Metal Processing Pvt. Ltd.	550 MT	Auto Component	111.78	31	Industrial Area Adityapur
74	Ms ASL Ind Pvt. Ltd.	2697 MT	Sheet Metal Auto Component	402.53	-	Industrial Area
75	Ms Balajee Electro Steel Ltd.	9000 MT	Ferro Alloy	654.69	30	Jhumri Tilaiya, Koderma
76	Ms Siddhi Vinayak Metcom	30000 tonnes/day	Sponge Iron	1335.91	30	Chandil Seraikella-Kharsawan
77	Ms G.N. Coke Mfg. Co. P Ltd.	3510 MT	Pig Iron and	774	55	Chirkunda, Dhanbad
78	Ms Taurus Foleyvisibles P Ltd	1510000 nos.	Rubber and Nylon Hose Assembling	223.24	100	Adityapur Industrial Area
79	Ms Partha Ispat India Pvt. Ltd.	13000 MT	Pig Iron	605	28	Govindpur, Dhanbad
80	Ms Rahul Iron & Steel Pvt. Ltd	50 TPD	Pig Iron	464.45	33	Govindpur, Dhanbad
81	Ms Cause Mfg. P. Ltd.	HT- 1000 ton/mth	Automobile (Tractor spare parts)	753.76	20	Adityapur Industrial Area
82	Ms Ativeer and Co. Pvt. Ltd.	100 TPD X 4 kiln	Sponge Iron	1434.91	150	Gadi Shrirampur, Giridih

4.2 Investment Scenario

In the last five years the numbers of projects announced have increased from 9 to 190 entailing an investment of Rs 2,24,163.41 crore. Table 4.4 gives a snapshot of the investments and the projects.

Table 4. 4 Investments (Announced/ Proposed/ Under Implementation) for the last 5 years

Announced		Proposed		Under Implementation	
Project Nos	Project Cost (Cr)	Project Nos	Project Cost (Cr)	Project Nos	Project Cost(Cr)
9	2649.02	11	13277.61	24	7292.23
18	3801.42	17	14654.52	25	6606.39
51	7112.45	23	12467.44	28	7312.45
116	15013.55	28	11182.52	34	10329.99
125	27939	31	21767.52	36	11012.31
149	168296.66	35	38018.18	35	18845.23
190	224163.41	37	46333.49	42	46637.46

Source: Centre of Monitoring Indian Economy.

Since the formation of the state around 66 Memorandum of Understanding has been signed with investments worth Rs 1,87,950 crore and majority have been in the steel sector which is one main potential sector of this resource rich mineral state. Table 4.5 gives the detailed list.

Table 4. 5 List of MOU's in Jharkhand

	Name of the Company	Product to be manufactured	Proposed Investment (Rs. In crore)	District / Proposed Site
1	M/s Monnet Ispat Limited,	Integrated Steel Plant (DRI based)	1400	Hazaribagh
2	M/s Vallabh Steel Limited,	Sponge Iron, Power Plant, Steel Plant	288	Saraikela-Kharsawan
3	M/s Aadhunik Alloy & Power Ltd.	Sponge Iron, Power Plant, Steel Plant	970	Saraikela-Kharsawan
4	M/s Nilanchal Iron & Power Ltd.,	Sponge Iron, Power Plant, Steel Plant, Mining	450	Saraikela-Kharsawan
5	M/s Jharkhand Ispat Pvt. Ltd.,	Sponge Iron, Steel Plant,	400	Ramgrah
6	M/s Abhijeet Infrastructure Pvt. Ltd.	Sponge Iron, Captive Coal Mine, Ferro Alloy	300	Hazaribagh
7	M/s AML Steel & Power Ltd.	Integrated Steel Plant	2000	Saraikela-Kharsawan
8	M/s Corporate Ispat Alloy Limited,	Sponge Iron, Captive Coal Mine, Ferro Alloy	300	Hazaribagh
9	M/s Annpurna Global Ltd,	Sponge Iron, Captive Coal Mine, Power Plant	500	
10	M/s Prasad Groups, Resources, Pvt Ltd.	Sponge Iron, Power Plant, Steel Plant, Mining	400	Ramgarh
11	M/sPrakash Ispat ,	Sponge Iron , Captive Coal Mine ,Crushing Unit	71.4	Chaibasa
12	M/sHorizon Eximp Ltd.	Sponge Iron , Captive Coal Mine ,Crushing Unit	74.15	Chaibasa
13	M/sSpectrum Mercantile Pvt. Ltd.,	Sponge Iron , Captive Coal Mine ,Crushing Unit	74.15	Chaibasa
14	M/s Chaibassa Steel Pvt. Ltd.	Sponge Iron	74.15	Chaibasa
15	M/s Tech AI Corporation	Allumina Plant	6500	
16	M/s Electro steel Casting Ltd.	Sponge, Steel & Power	200	Lohardaga
17	M/S Balajee Industrial Product Ltd.	Sponge Iron, Pig Iron, Steel Making	122	Chaibasa
18	M/s Pawanjai Steel & Power Ltd.	Sponge Iron, Steel Making	1000	Lohardaga
19	M/s R G Steels Pvt. Ltd.	Sponge Iron & Induction Furnace, Captive Power Plant	122	Hazaribagh
20	M/s Chhattisgarh Electricity Co. Ltd,	Sponge Iron, Ferro Alloy & Captive Power Plant	1000	Chaibasa / Hazaribagh
21	M/s. Raj Refractories (P) Ltd,	Sponge Iron, Ferro Alloy & Captive Power Plant	68.5	Ranchi/ Hazaribagh
22	Balaji Metal & Sponge Pvt.Ltd.,	Sponge Iron, & Captive Power Plant	160	Chaibasa
23	M/s Sunflag Iron & Steel Com. Ltd.	Integrated Steel Plant (DRI based)	937.61	Saraikela-Kharsawan
24	M/s Hy-Grade Pellets Ltd..	Integrated Steel Plant	4285	Chaibasa
25	M/s Hindalco Industries Pvt. Ltd.	Aluminium Products	7800	Latehar
26	M/S- BMW Industries Ltd.	Integrated Mini Steel Plant	591	Saraikela-Kharsawan
27	M/S Rungta Mines Ltd., Rungta House,	Sponge Iron, WHR Power Plant Washrey, Captive Power Plant	517	Chaibasa
28	Anindita Traders & Investment Ltd.	Sponge Iron, Pig Iron, Steel Captive Power Plant TMT Bar	94	Hazaribagh
29	M/S Narbheram GasPoint Ovt. Ltd.	Sponge Iron, Induction Furnace, Ladle Furnace, Strand billet carter1, Captive Power Plant	200	Saraikela-Kharsawan
30	M/S Goal Sponge Pvt. Ltd.,	Sponge Iron, Induction Furnace, Billet Caster, Captive Power Plant	67	Saraikela-Kharsawan
31	M/S Contisteel Limited,	Integrated Steel Plant	1560	Saraikela-Kharsawan
32	M/S Kohinoor Steel Pvt. Ltd.	Blast Furnace, Power Plant, Billet Caster, Pig Casting	410	Saraikela-Kharsawan
33	M/S Jindal Steel & Power Ltd.,	Integrated Steel Plant, Captive Power Plant	11500	Saraikela-Kharsawan
34	M/S Bhushan Limited,	Integrated Steel Plant	6510	Jamshedpur
35	M/S Kalyani Steel Ltd.	Integrated Steel Plant	1883	Silli, Ranchi
36	M/S Tata Steel Ltd.	Integrated Steel Plant	42000	Saraikela
37	M/S Tata Steel Ltd. (Extension)	Integrated Steel Plant	11000	Jamshedpur
38	M/S- V.S. Dempo & Company Pvt. Ltd.	Integrated Steel Plant	1016	Mohanpur
39	M/S- Mitt Steel Co. N.V.	Integrated Steel Plant	40000	Ranchi
40	M/S Jindal South-West Steel Ltd.	Integrated Steel Plant	35000	Hesalong, Chandil
41	M/s Ranchi Integrated Steel	Integrated Steel Plant	5452	Silli, Near Muri
42	M/s Burnpur Cement Ltd.,	Cement	500	Patratu, Hazaribagh

43	M/s Jupitar Cement Industries,	Cement	90	Bandhuwa, Saraikela
44	M/s VST Tillers Tractors Limited,	Power Tiller	64	Getalsud Industrial Area , Ranchi
45	M/s Spectrum Iron &Alloys Pvt. Ltd.	Sponge Iron	NA	Chaibasa
46	M/s Balajee Industrial Products Ltd.	Sponge Iron	NA	Chaibasa
47	M/S Essel Mining	Integrated Steel	NA	Jagnathpur, W.Singhhum
48	M/s Sesa Goa Limiged,	Integrated Steel	NA	Saraiakela-Kharswan
49	M/s Mukund Steel,	Integrated Steel	NA	Barlanga, Hazaribag
50	M/s Feegrade & Company Pvt. Ltd.,	Integrated Steel	NA	Guraa & Rangamati West Singhhum
51	M/s Bonai Industrial Company Limited,	Integrated Steel	NA	Kundubera & Singh Pokharia, West Singhhum
52	M/s Vini Iron & Steel Udyog Limited	Integrated Steel	NA	Lupungdih, Chandil, Saraikela Sarkhaswan
53	M/s Narsingh Ispat Limited, Howrah	(a) Mini Steel	NA	Khunti, Chandil, Saraikela Kharswan
54	M/s Cement Manufacturing Company Ltd.	(a) Cement Plant	NA	Patratu, Hazaribag
55	M/s Rungta Mines Limited, Rungta House,	(a) Cement Plant	NA	Khunta, West Singhhum
56	M/s Rungta Mines Ltd. Rungta House	Integrated Steel Plant	NA	Chaibasa
57	M/s Core Steel & Power Ltd.,	Integrated Steel Plant	NA	Musabani , Ghatsila
58	M/s Ispat Industries Ltd.	Integrated Steel Plant	NA	Nandpur, Manoharpur
59	M/s Ma Chandi Durga Ispat Ltd.,	Integrated Steel Plant	NA	Jamtara
60	M/s Jagdamba Fuisal Services Ltd.,	Integrated Steel Plant	NA	Dumka
61	M/s Brahmi Impex Ltd.,	Integrated Steel Plant	NA	Jamtara
62	M/s Adhunik Corporation Ltd.	Integrated Steel Plant	NA	Dumka
63	M/s Traingle Trading Pvt. Ltd.,	Steel Plant	NA	Saraikela-Kharswan
64	M/s Premier Ferrow Alloys & Securities Ltd.	Integrated Steel plant	NA	Hazaribagh
65	M/s Push Steel & Mining (P) Ltd.	Mini Steel Plant	NA	Chandil / Saraikella Kharsawan
66	M/s Sarthak Industries Ltd.	Steel plant	NA	Raj Kharswan

4.3 Employment Generation by upcoming ventures

The upcoming ventures in various sectors of the state would create an employment for 16,16,703 persons. Thereby the manpower requirement for skilled labour would be 30,005 with 5,390 at the managerial level and 24,615 with technical background. The upcoming ventures would also provide employment to the around 2,40,830 unskilled labourers and indirect employment to 13,44,316 labourers. Details are given in Table 4.6.

Table 4. 6 Employment Generation by upcoming ventures

Name of the Company	Product to be manufactured	In all Phases				
		Managerial	Skilled/ Technical	Unskilled Labour	Indirect Labour	Total
M/s Monnet Ispat Limited,	Integrated Steel Plant (DRI based)	150	350	3000	15000	18500
M/s Vallabh Steel Limited,	Sponge Iron, Power Plant, Steel Plant	50	150	2000	4000	6200
M/s Aadhunik Alloy & Power Ltd.	Sponge Iron, Power Plant, Steel Plant	75	180	1500	5000	6755
M/s Nilanchal Iron & Power Ltd.,	Sponge Iron, Power Plant, Steel Plant, Mining	100	150	3000	8000	11250
M/s Jharkhand Ispat Pvt. Ltd.,	Sponge Iron, Steel Plant,	100	150	3000	8000	11250
M/s Abhijeet Infrastructure Pvt. Ltd.	Sponge Iron, Captive Coal Mine, Ferro Alloy	20	50	300	1000	1370
M/s AML Steel & Power Ltd.	Integrated Steel Plant	300	500	5000	20000	25800
M/s Corporate Ispat Alloy Limited,	Sponge Iron, Captive Coal Mine, Ferro Alloy	50	100	500	3000	3650
M/s Annpurna Global Ltd.,	Sponge Iron, Captive Coal Mine, Power Plant	100	250	2000	1000	12350
M/s Prasad Groups, Resources, Pvt Ltd.	Sponge Iron, Power Plant, Steel Plant, Mining	80	200	1500	8000	9780
M/sPrakash Ispat ,	Sponge Iron , Captive Coal Mine ,Crushing Unit	20	40	300	1000	1360
M/sHorizon Eximp Ltd.	Sponge Iron , Captive Coal Mine ,Crushing Unit	20	40	300	1000	1360
M/sSpectrum Mercantile Pvt. Ltd.,	Sponge Iron , Captive Coal Mine ,Crushing Unit	20	40	300	1000	1360
M/s Chaibassa Steel Pvt. Ltd.	Sponge Iron	NA	NA	NA	NA	NA
M/s Tech Al Corporation	Allumina Plant	250	1000	10000	100000	111250
M/s Electro steel Casting Ltd.	Sponge, Steel & Power	150	250	1500	5000	6900
M/S Balajee Industrial Product Ltd.	Sponge Iron, Pig Iron, Steel Making	50	150	500	1500	2200
M/s Pawanjai Steel & Power Ltd.	Sponge Iron, Steel Making	50	150	500	1500	2200
M/s Chhattisgarh Electricity Co. Ltd,	Sponge Iron, Ferro Alloy & Captive Power Plant	100	250	1000	5000	6350
M/s. Raj Refractories (P) Ltd,	Sponge Iron, Ferro Alloy & Captive Power Plant	15	40	200	800	1055

Balaji Metal & Sponge Pvt.Ltd.,	Sponge Iron, & Captive Power Plant	20	60	300	1000	1380
M/s Sunflag Iron & Steel Com. Ltd.	Integrated Steel Plant (DRI based)	100	250	2000	15000	17350
M/s Hy-Grade Pellets Ltd..	Integrated Steel Plant	100	500	15000	100000	115600
M/s Hindalco Industries Pvt. Ltd.	Aluminium Products	250	1000	10000	100000	112500
M/S- BMW Industries Ltd.	Integrated Mini Steel Plant	100	250	700	2500	3550
M/S Rungta Mines Ltd., Rungta House,	Sponge Iron, WHR Power Plant Washrey, Captive Power Plant	100	250	700	2500	3550
Anindita Traders & Investment Ltd.	Sponge Iron,	15	100	150	435	700
M/S Narbheram GasPoint Ovt. Ltd.	Sponge Iron	10	80	160	550	800
M/S Goal Sponge Pvt. Ltd.,	Sponge Iron, Induction Furnance, Billet Caster, Captive Power Plant	25	125	250	1000	1400
M/S Contisteel Limited,	Integrated Steel Plant	50	550	750	10000	13050
M/S Kohinoor Steel Pvt. Ltd.	Blast Furnance, Power Plant, Billet Caster, Pig Casting	40	200	300	500	1040
M/S Jindal Steel & Power Ltd.,	Integrated Steel Plant, Captive Power Plant	NA	NA	NA	NA	NA
M/S Bhushan Limited,	Integrated Steel Plant	100	500	15000	100000	115600
M/S Kalyani Steel Ltd.	Integrated Steel Plant	50	450	650	10000	11150
M/S Tata Steel Ltd.	Integrated Steel Plant	1000	5000	50000	20000	256000
M/S- V.S. Dempo & Company Pvt. Ltd.	Integrated Steel Plant	50	350	600	3000	4000
M/S- Mittal Steel Co. N.V.	Integrated Steel Plant	1000	5000	50000	20000	256000
M/S Jindal South-West Steel Ltd.	Integrated Steel Plant	300	2000	20000	100000	122300
M/s Ranchi Integrated Steel	Integrated Steel Plant	150	800	1200	15000	17150
M/s Burnpur Cement Ltd.,	Cement	25	125	200	1000	1750
M/s Jupitar Cement Industries,	Cement	15	100	150	400	665
M/s VST Tillers Tractors Limited,	Power Tiller	10	75	110	305	500
M/s Spectrum Iron &Alloys Pvt. Ltd.	Sponge Iron	NA	NA	NA	NA	NA
M/s Balajee Industrial Products Ltd.	Sponge Iron	NA	NA	NA	NA	NA
M/S Essel Mining	Integrated Steel	NA	NA	NA	NA	NA
M/s Sesa Goa Limiged,	Integrated Steel	50	250	700	2000	3000

M/s Mukund Steel,	Integrated Steel	150	700	2000	9000	11850
M/s Feegrade & Company Pvt. Ltd.,	Integrated Steel	10	100	200	800	1110
M/s Bonai Industrial Company Limited,	Integrated Steel	10	100	180	600	890
M/s Vini Iron & Steel Udyog Limited ,	Integrated Steel	50	300	1000	3000	4350
M/s Narsingh Ispat Limited, Howrah	(a) Mini Steel	10	90	180	600	880
M/s Cement Manufacturing Company Ltd.	(a) Cement Plant	50	250	700	2000	3000
M/s Rungta Mines Limited, Rungta House,	Cement Plant	30	140	300	1800	2270
M/s Rungta Mines ltd. Rungta House ,	Integrated Steel Plant	150	600	15000	10000	115750
M/s Core Steel & Power Ltd.,	Integrated Steel Plant	40	125	1670	3365	5200
M/s Ispat Industries Ltd.	Integrated Steel Plant	45	140	1925	3890	6000
M/s Ma Chandī Durga Ispat Ltd.,	Integrated Steel Plant	40	125	1650	3360	5177
M/s Jagdamba Fuisal Services Ltd.,	Integrated Steel Plant	40	125	1650	3362	5177
M/s Brahmi Impex Ltd.,	Integrated Steel Plant	40	125	1650	3362	5177
M/s Adhunik Corporation Ltd.	Integrated Steel Plant	40	125	1650	3362	5177
M/s Traingle Trading Pvt. Ltd.,	Steel Plant	15	90	135	360	600
M/s Premier Ferrow Alloys & Securities Ltd,	Integrated Steel plant	60	170	550	1720	2500
M/s Push Steel & Mining (P) Ltd.	Mini Steel Plant	40	130	430	1300	1900
M/s Sarthak Industries Ltd.	Steel plant	40	125	1590	3245	5000
Barbil Ispat (India Pvt Ltd)	Sponge iron, captive coal mine, crushing unit	20	40	300	1000	1360
Total		5,390	24,615	2,40,830	13,44,216	16,16,703

Jharkhand has a huge potential for mining and manufacturing industries and these sectors provides employment to the majority of the people living in that area. Apart from mining and manufacturing, construction and transport sector also generate employment but at a lower rate. Table 4.7 gives the employment in public and private sector in different industry categories. As evident from data, the employment generated by private sector is higher than that generated by public sector by 16.85 percent.

Table 4. 7 Employment by different industry category

Industry Categories	2005	
	Public Sector	Private Sector
1. Agriculture , Hunting, Forestry	7.03	0.64
2. Fishing	0.15	NA
3. Mining & Quarrying	507.58	21.08
4. Manufacturing	125.22	99.09
5. Electricity, Gas& Water Supply	15.6	0.17
6. Construction	27.85	6.37
7. Wholesale& Retail & Repair of Motor Cycles	0.94	3.93
8. Hotels & Restaurants	0	1.25
9. Transport , Storage & Communication Services	59.23	1.28
10. Financial Intermediaries	14.46	0.22
11. Real Estate, Renting & Business Activity	15.55	2.92
12. Public Administration & Defence	49.88	NA
13. Education	46.04	10.76
14 Health & Social Work	13.51	1.62
15. Other Community Social & Personal Service Activities	8.65	1.01
16. Private Households with employed persons	NA	NA
17. Extra Territorial Bodies & Organizations	NA	NA
Total	891.68	1042

Sources: *www.indiastats.com and Ministry of Labour & Employment , Govt of India.*

Note: For 2001 and 2002 since data includes the parent state Bihar, those two years have not been taken..

4.4 Sector-wise analysis

i) Agro –Food Processing Sector:

There are lots of opportunities pertaining to the agro-based industrial sector, the vast pool of natural resources have been the driving force for rural and agro based industries. This sector provides employment opportunity and also helps in earning foreign exchange. Some of the existing players are Swastik Fruits Products, Dabur India. Details are given in Tables 4.8 and 4.9.

Table 4. 8 Existing Players in Agro –Food Processing Sector

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Government Of Jharkhand	Ranchi Drinking Water Project	Under Implementation	110	Bottled water	Ranchi
Swastik Fruits Products Pvt. Ltd.	Fruit Products Project	Completed	20	Fruit & vegetable juices, concentrates	Tatisilwai

There are upcoming ventures by

- Pepsi Co India to set up a 40,000 tonne project of contract farming of high quality potato wafers and namkeens.
- Usha Martin to invest in the food processing sector.

- Swastik Group- Swastik Fruits and products Limited and Swastik Aqua Private Limited with a multi brand food processing unit in Jharkhand.
- Agro based food processing park at Ranchi and Dumka.
- Biotech and Herbal Park at Kunti near Ranchi.

Table 4. 9 Upcoming Players in Agro- food processing Sector

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Adityapur Area Devp. Authority	Gamharia Food Park Project	Under Implementation	NA	Food processing parks	Gamharia
Adityapur Industrial Area Devp. Authority	Food Park Project	Under Implementation	1	Food processing parks	Ranchi

ii) Cement

Driven by a booming housing sector, global demand and increased activity in infrastructure development such as state and national highways, the cement industry has outpaced itself, ramping up production capacity, attracting the top cement companies in the world, and sparking off a spate of mergers and acquisitions to spur growth. The recent boom in the housing and construction industry in India has worked wonders for cement manufacturing companies with capacity utilisation crossing the 100 per cent mark for the first time in January 2007.

In cement industry the existing players are ACC Limited, Burnpur Cement, Premium Industries India Limited, SAIL and Tata Steel. Tables 4.10 and 4.11 gives the data on existing players as well as the new entrants in cement industry in Jharkhand. Some of the upcoming ventures are:

- A cement unit of 1.5million tonne by SAIL, ACC, Birla Corporation and Jaiprakash Associations at Bokaro.
- Birla Corporation with a 2 million tonne cement plant in the state

Table 4. 10 Existing Players in Cement Industry

Company Name	Project Name	Project Status	Project Cost (In Rs Crore)	Industry	Location
A C C Ltd.	Chaibasa Cement Project	Completed	300	Cement	Pashchimi Singhbhum
A C C Ltd.	Sindri Cement Project	Completed	57	Cement	Dhanbad
Burnpur Cement Ltd.	Hazaribagh Greenfield Cement Project	Under Implementation	120.9	Cement	Hazaribagh
Premium Industries India Ltd.	Slag Cement Project	Completed	12.8	Portland slag cement	Dhanbad
Steel Authority Of India Ltd.	Bokaro Cement Project	Under Implementation	320	Cement	Giridih
Tata Steel Ltd.	Slag Cement Project	Completed	406	Cement	Purbi Singhbhum

Table 4. 11 Upcoming Players in Cement Industry

Company Name	Project Name	Project Status	Project Cost (In Rs Crore)	Industry	Location
A C C Ltd.	Sindri Cement Expansion Project	Announcement	70	Cement	Dhanbad
Burnpur Cement Limited	Cement Plant	Announcement	500	Cement	Hazaribagh
Jupiter Cement Industries	Cement Plant	Announcement	90	Cement	Saraikela
Cement Manufacturing Co. Ltd.	Patratu Cement Project	Announcement	450	Cement	Hazaribag
Lafarge India Pvt. Ltd.	Jojobera Psc Expansion Project	Announcement	NA	Portland slag cement	Purbi Singhbhum
Lafarge India Pvt. Ltd.	Palamau Cement Project	Announcement	NA	Cement	Palamu
Rungta Mines	Cement Plant	Announcement	NA	Cement	West Singhbhum

iii) Mines and Minerals

The scope of mining activity is immense and the scope for development of the mineral based industries in the state is huge given the availability of rich mineral deposits in the state. Some of the existing players are Bharat coking Coal, Central Coalfields Limited, De Beers India Pvt Limited, Eastern Coalfields Limited, Electrosteel Castings Limited, Hindalco Industries Limited, Indian Aluminium Co Limited, Minerals & Minerals Limited, Monnet Ispat & Energy Limited, Oil & Natural Gas Corporation Limited, Shah Brothers, Singareni Collieries Co. Limited, Steel Authority of India Limited, Tata Steel Limited, Techal Inc and Uranium Corporation of India Limited. Further details are given in Table 4.12 and Table 4.13 which give the details of existing players and the new entrants respectively.

Table 4. 12 Existing Players in Mines & Minerals Sector

Company Name	Project Name	Project Status	Project Status	Project Cost (Rs. Crore)	Location
Bharat Coking Coal Ltd.	Coal-Bed Methane Project	Completed	Completed	92	Dhanbad
Bharat Coking Coal Ltd.	Madhuband Coal Washery Expansion Project	Under Implementation	Under Implementation	271.77	Dhanbad
Bharat Coking Coal Ltd.	Madhuband Coal Washery Project	Completed	Completed	194.28	Dhanbad
Bharat Coking Coal Ltd.	Pootkee Balihari U G Coal Project	Under Implementation	Under Implementation	182.6	Dhanbad

Bharat Coking Coal Ltd.	Sulunga O C Coal Project	Under Implementation	Under Implementation	41.6	Dhanbad
Central Coalfields Ltd.	Bokaro O C Coal Project	Under Implementation	Under Implementation	46.78	Giridih
Central Coalfields Ltd.	Kedla Coal Washery Project	Completed	Completed	143.73	Hazaribag
Central Coalfields Ltd.	Parej East O C Coal Project	Under Implementation	Under Implementation	162.88	Hazaribag
Central Coalfields Ltd.	Ray-Bachra U G Coal Project	Under Implementation	Under Implementation	30.19	Ranchi
Central Coalfields Ltd.	Rohini O C Coal Project	Completed	Completed	27.18	Ranchi
Central Coalfields Ltd.	Sangam O C Coal Project	Under Implementation	Under Implementation	32.66	Hazaribag
De Beers India Pvt. Ltd.	Diamond Exploration Project	Under Implementation	Under Implementation	100	Lohardaga
Eastern Coalfields Ltd.	Rajmahal O C Phase-I II Project	Under Implementation	Under Implementation	650.06	NA
Hindalco Industries Ltd.	Jalim & Sanai Bauxite Mining Project	Under Implementation	Under Implementation	NA	Gumla
Hindalco Industries Ltd.	Muri Alumina Phase-Ii Project	Under Implementation	Under Implementation	NA	Ranchi
Indian Aluminium Co. Ltd.	Lohardaga Kaolin Mining Project	Completed	Completed	60	Lohardaga
Indian Aluminium Co. Ltd.	Muri Alumina Project	Completed	Completed	13	Ranchi
Oil & Natural Gas Corpn. Ltd.	Bokaro Cbm Project	Completed	Completed	70	Giridih
Oil & Natural Gas Corpn. Ltd.	Jharia Cbm Project	Under Implementation	Under Implementation	100	Dhanbad
Oil & Natural Gas Corpn. Ltd.	North-Karanpura Cbm Project	Under Implementation	Under Implementation	39	Hazaribag
Oil & Natural Gas Corpn. Ltd.	Sk-Cbm-2003/11 Block Project	Under Implementation	Under Implementation	NA	Hazaribag
Steel Authority Of India Ltd.	Bokaro Coke Oven Battery Project	Under Implementation	Under Implementation	198.84	Giridih
Tata Steel Ltd.	Bokaro Coking Coal Mining Project	Under Implementation	Under Implementation	357	Giridih
Tata Steel Ltd.	Jigging & HydroCyclone Project	Completed	Completed	25	Pashchimi Singhbhum
Uranium Corpn. Of India Ltd.	Bandohoranga Uranium Project	Under Implementation	Under Implementation	343.26	Purbi Singhbhum
Uranium Corpn. Of India Ltd.	Third Stage Shaft Sinking Project	Completed	Completed	61.07	Purbi Singhbhum

Uranium Corpn. Of India Ltd.	Turamdih Mine Re-Open Project	Completed	Completed	79.92	Jharkhand
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Table 4.13 shows the new players in mines and minerals sector. This sector has seen extremely high interest from the private sector because of the huge potential in the state.

Table 4. 13 Upcoming Players in Mines & Minerals Sector

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Bharat Coking Coal Ltd.	Moonidih Underground Coal Mine Development Project	Announcement	500	Coal	Dhanbad
Bharat Coking Coal Ltd.	Patherdih Coal Benefication Project	Announcement	30.55	Coal	Dhanbad
Central Coalfields Ltd.	Magadh Oc Project	Announcement	NA	Coal	Hazaribag
Eastern Coalfields Ltd.	Chuperbhita Greenfield Coal Mining Project	Announcement	NA	Coal	Godda
Eastern Coalfields Ltd.	Chuperbhita Oc Coal Project	Announcement	606	Coal	Godda
Eastern Coalfields Ltd.	Hura-C Greenfield Coal Mining Project	Announcement	NA	Coal	Dumka
Eastern Coalfields Ltd.	Rajmahal O C Coal Project	Announcement	50.08	Coal	
Electrosteel Castings Ltd.	Coal Mining Project	Announcement	337	Coal	Dhanbad
Electrosteel Castings Ltd.	Parbatpur Coal Project	Announcement	NA	Coal	Bokaro
Hindalco Industries Ltd.	Gurdari Bauxite Mining Project	Announcement	NA	Aluminium ores (Bauxite)	Gumla
Hindalco Industries Ltd.	Pakhar Bauxite Mining Project	Announcement	2	Aluminium ores (Bauxite)	Lohardaga
Hindalco Industries Ltd.	Sherangdag Bauxite Mining Project	Announcement	4.04	Aluminium ores (Bauxite)	Gumla
Minerals & Minerals Ltd.	Pakhar Bauxite Mining Project	Announcement	NA	Aluminium ores (Bauxite)	Jharkhand
Monnet Ispat & Energy Ltd.	Coal Washeries Project	Announcement	NA	Washed coal	Hazaribag
Oil & Natural Gas Corpn. Ltd.	Nk(West)-Cbm-2003/11 Block Project	Announcement	NA	Coal gas, producer gas, etc.	Hazaribag
Shah Brothers	Karampada Iron Ore Mining Project	Announcement	NA	Iron ores & concentrates	Pashchimi Singhbhum
Singareni Collieries Co. Ltd.	Pakri-Barwadih Coal Mine Project	Announcement	NA	Coal	Hazaribag
Steel Authority Of India Ltd.	Chiria Iron Ore Expansion Project	Announcement	1000	Iron ores & concentrates	Jharkhand
Steel Authority Of India Ltd.	Jharkhand Pellet Plant Project	Announcement	NA	Iron ore pellets	Jharkhand
Steel Authority Of India Ltd.	Megahatubura Iron Ore Mining Project	Announcement	NA	Iron ores & concentrates	Pashchimi Singhbhum

Techal Inc.	Alumina Project	Announcement	3500	Aluminium ores (Bauxite)	Jharkhand
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iii) Metals

The metals industry is a key sector in the Indian economy as it meets the requirements of a wide range of important industries such as engineering, electrical and electronics, infrastructure, automobile and automobile components, packaging etc. The metal industry consists of two major groups: ferrous metals and non-ferrous metals.

Non-ferrous metals, which include aluminium, copper, zinc, lead, nickel and tin, are used to make alloys, castings, forgings, extrusions, wires, cables, pipes, etc., and find their application in a number of sectors such as agriculture, infrastructure facilities like power plants, automobiles, railways, telecommunications, building and construction and in engineering and chemical plants.

Ferrous metals primarily consist of iron and different varieties of steel. Indian steel industry has shown strong performance in the recent past in terms of production, capacity utilisation, exports and consumption.

In Jharkhand under the ferrous metals sector the major players existing are Tata Steel, AML Steel Limited, SAIL, Tata Ryerson, Tinplate, Usha Martin and upcoming ones are Monnet Ispat, Electrosteel Casting, Sesa Goa Limited, Essel Mining, Rungta Mines and Mukund Steel. While on the Non ferrous sector major player is Hindalco and recently, the Jharkhand government has signed MOU with the US-based TechAl Corp for setting up an USD 1,343 million alumina refinery project. The setup is expected to generate at least 10,000 employment opportunities annually. Table 4.14 gives the details of existing players while Table 4.15 gives the new entrants in this sector.

Table 4. 14 Existing Players in Metal Industry

Company Name:	Project Status	Project Cost (Rs. Crore)	Industry	Location
A M L Steel Ltd.	Under Implementation	114	Steel & Sponge Iron Project	Jharkhand
A M L Steel Ltd.	Under Implementation	1800	Steel Project	Jharkhand
Adhunik Alloys & Power Ltd.	Under Implementation	990	Steel & Sponge Iron Project	Seraikela-Kandra
Anindita Trades & Invsts. Ltd.	Under Implementation	NA	Sponge Iron Project	Ramgarh
Anindita Trades & Invsts. Ltd.	Under Implementation	NA	Steel Project	Ramgarh
Ashirwad Steels & Inds. Ltd.	Completed	NA	Sponge Iron Project	Tatanagar
Ashirwad Steels & Inds. Ltd.	Completed	NA	Sponge Iron Project	Tatanagar
Ashirwad Steels & Inds. Ltd.	Completed	NA	Sponge Iron Project	Tatanagar
Electro-Steel Integrated Ltd.	Under Implementation	5000	Integrated Steel Plant Project	Parbathpur

Goel Sponge Pvt. Ltd.	Under Implementation	125	Steel Project	Purbi Singhbhum
Hindalco Industries Ltd.	Under Implementation	8	Kunjam Bauxite Mining Project	Dewragani
J M T Auto Ltd.	Under Implementation	NA	Forging Project	Gamharia
Jindal Steel & Power Ltd.	Under Implementation	15000	Integrated Steel Plant Project	Patratu
Maithan Alloys Ltd.	Completed	12.92	Ferro Silicon Project	Dhanbad
Niranjan Hi-Tech Ltd.	Under Implementation	12	Sponge Iron Project	Giridih
Ramkrishna Forgings Ltd.	Completed	25	Forging Project	Jamshedpur
Steel Authority Of India Ltd.	Under Implementation	35.95	Bokaro Chsg Bf-4 Project	Bokaro
Steel Authority Of India Ltd.	Completed	88.59	Bokaro Coke Oven B'Ry3 Project	Bokaro
Steel Authority Of India Ltd.	Under Implementation	460	Bokaro Crm & Steel Melting Shops Modernisation Proj.	Bokaro
Steel Authority Of India Ltd.	Completed	68	Bokaro Crm Steel Project	Bokaro
Steel Authority Of India Ltd.	Under Implementation	710	Bokaro Crude Steel Project	Bokaro
Steel Authority Of India Ltd.	Completed	71.76	Bokaro Heating Furnace Project	Bokaro
Steel Authority Of India Ltd.	Completed	2235.45	Bokaro Steel Plant Project	Bokaro
Tata Bluescope Steel Ltd.	Under Implementation	880	Coated Steel (Metallic Coating & Painting Project	Jamshedpur
Tata Ryerson Ltd.	Completed	40	Cr Coils Processing Project	Jamshedpur
Tata Ryerson Ltd.	Completed	120	Cr Coils Processing Project	Jamshedpur
Tata Steel Ltd.	Completed	NA	Charge Chrome Project	Jamshedpur
Tata Steel Ltd.	Completed	208.85	Coke Over Battery-9 Project	Jamshedpur
Tata Steel Ltd.	Completed	200	Jamshedpur "F" Blast Furnace	Jamshedpur
Tata Steel Ltd.	Under Implementation	2000	Jamshedpur Brownfield Hot & Cold Rolled Project	Jamshedpur

Tata Steel Ltd.	Completed	1600	Jamshedpur Cold Rolled Project	Jamshedpur
Tata Steel Ltd.	Completed	850	Jamshedpur Hr Steel Strips Project	Jamshedpur
Tata Steel Ltd.	Completed	7800	Jamshedpur Steel Expansion Project Phase I	Jamshedpur
Tata Steel Ltd.	Under Implementation	11000	Jamshedpur Steel Expansion Project Phase Ii	Jamshedpur
Tata Steel Ltd.	Completed	4000	Jamshedpur Steel Project Phase Iii	Jamshedpur
Tata Steel Ltd.	Completed	3700	Jamshedpur Steel Project Phase Iv	Jamshedpur
Tata Steel Ltd.	Under Implementation	20000	Jharkhand Steel Project Phase I	Monoharpuram
Tayo Rolls Ltd.	Under Implementation	10.3	Pig Iron (Mini Blast Furnace) Project	Adityapur
Tayo Rolls Ltd.	Completed	31	Steel Products Expansion Project (Phase I)	Adityapur
Tayo Rolls Ltd.	Completed	24	Steel Project	Adityapur
Tinplate Co. Of India Ltd.	Under Implementation	200	Electrolytic Tinplate Project	Golmuri
Tinplate Co. Of India Ltd.	Completed	57	Electrolytic Tinplate Project	Golmuri
Usha Martin Ltd.	Under Implementation	80	Adityapur Steel Project	Adityapur
Usha Martin Ltd.	Completed	110	Jamshedpur Sponge Iron Project	Jamshedpur
Usha Martin Ltd.	Under Implementation	30	Ranchi Steel Cord Plant & Wire Rope Project	Ranchi
Usha Martin Ltd.	Under Implementation	NA	Ranchi Wire Project	Ranchi
Vallabh Steels Ltd.	Completed	288	Sponge Iron Project	Dugdha
Vardhman Industries Ltd.	Completed	28.87	Steel Billets Project	Jamshedpur

Table 4. 15 Upcoming Players in Metal Industry

Name of the Company	Product to be manufactured	Proposed Investment (Rs. In crore)	District / Proposed Site
M/s Monnet Ispat Limited,	Integrated Steel Plant (DRI based)	1400	Hazaribagh
M/s Vallabh Steel Limited,	Sponge Iron, Power Plant, Steel Plant	288	Saraikela-Kharsawan
M/s Aadhunik Alloy & Power Ltd.	Sponge Iron, Power Plant, Steel Plant	970	Saraikela-Kharsawan
M/s Nilanchal Iron & Power Ltd.,	Sponge Iron, Power Plant, Steel Plant, Mining	450	Saraikela-Kharsawan
M/s Jharkhand Ispat Pvt. Ltd.,	Sponge Iron, Steel Plant,	400	Ramgrah
M/s Abhijeet Infrastructure Pvt. Ltd.	Sponge Iron, Captive Coal Mine, Ferro Alloy	300	Hazaribag
M/s AML Steel & Power Ltd.	Integrated Steel Plant	2000	Saraikela-Kharsawan
M/s Corporate Ispat Alloy Limited,	Sponge Iron, Captive Coal Mine, Ferro Alloy	300	Hazaribagh
M/s Annpurna Global Ltd,	Sponge Iron, Captive Coal Mine, Power Plant	500	
M/s Prasad Groups, Resources, Pvt Ltd.	Sponge Iron, Power Plant, Steel Plant, Mining	400	Ramgarh
M/s Prakash Ispat ,	Sponge Iron , Captive Coal Mine ,Crushing Unit	71.4	Chaibasa
M/s Horizon Eximp Ltd.	Sponge Iron , Captive Coal Mine ,Crushing Unit	74.15	Chaibasa
M/s Spectrum Mercantile Pvt. Ltd.,	Sponge Iron , Captive Coal Mine ,Crushing Unit	74.15	Chaibasa
M/s Chaibassa Steel Pvt. Ltd.	Sponge Iron	74.15	Chaibasa
M/s Tech Al Corporation	Allumina Plant	6500	
M/s Electro steel Casting Ltd.	Sponge, Steel & Power	200	Lohardaga
M/S Balajee Industrial Product Ltd.	Sponge Iron, Pig Iron, Steel Making	122	Chaibasa
M/s Pawanjai Steel & Power Ltd.	Sponge Iron, Steel Making	1000	Lohardaga
M/s R G Steels Pvt. Ltd.	Sponge Iron & Induction Furnace, Captive Power Plant	122	Hazaribagh
M/s Chhattisgarh Electricity Co. Ltd,	Sponge Iron, Ferro Alloy & Captive Power Plant	1000	Chaibasa / Hazaribagh
M/s. Raj Refractories (P) Ltd,	Sponge Iron, Ferro Alloy & Captive Power Plant	68.5	Ranchi/ Hazaribagh
Balaji Metal & Sponge Pvt.Ltd.,	Sponge Iron, & Captive Power Plant	160	Chaibasa
M/s Sunflag Iron & Steel Com. Ltd.	Integrated Steel Plant (DRI based)	937.61	Saraikela-Kharsawan
M/s Hy-Grade Pellets Ltd..	Integrated Steel Plant	4285	Chaibasa
M/s Hindalco Industries Pvt. Ltd.	Aluminium Products	7800	Latehar
M/S- BMW Industries Ltd.	Integrated Mini Steel Plant	591	Saraikela-Kharsawan
M/S Rungta Mines Ltd., Rungta House,	Sponge Iron, WHR Power Plant Washrey, Captive Power Plant	517	Chaibasa
Anindita Traders & Investment Ltd.	Sponge Iron, Pig Iron, Steel Captive Power Plant TMT Bar	94	Hazaribag

M/S Narbheram GasPoint Ovt. Ltd.	Sponge Iron, Induction Furnance, Ladle Furnance, Strand billet carter1, Captive Power Plant	200	Saraikela-Kharsawan
M/S Goal Sponge Pvt. Ltd.,	Sponge Iron, Induction Furnance, Billet Caster, Captive Power Plant	67	Saraikela-Kharsawan
M/S Contistee Limited,	Integrated Steel Plant	1560	Saraikela-Kharsawan
M/S Bhushan Limited,	Integrated Steel Plant	6510	Jamshedpur
M/S Kalyani Steel Ltd.	Integrated Steel Plant	1883	Silli, Ranchi
M/S Tata Steel Ltd.	Integrated Steel Plant	42000	Saraikella
M/S Tata Steel Ltd. (Extension)	Integrated Steel Plant	11000	Jamshedpur
M/S- V.S. Dempo & Company Pvt. Ltd.	Integrated Steel Plant	1016	Mohanpur
M/S- Mittal Steel Co. N.V.	Integrated Steel Plant	40000	Ranchi
M/S Jindal South-West Steel Ltd.	Integrated Steel Plant	35000	Hesalong, Chandil
M/s Ranchi Integrated Steel	Integrated Steel Plant	5452	Silli, Near Muri
M/s Spectrum Iron &Alloys Pvt. Ltd.	Sponge Iron	NA	Chaibasa
M/s Balajee Industrial Products Ltd.	Sponge Iron	NA	Chaibasa
M/S Essel Mining	Integrated Steel	NA	Jagnathpur, W.Singhhum
M/s Sesa Goa Limiged,	Integrated Steel	NA	Saraiakela- Kharswan
M/s Mukund Steel,	Integrated Steel	NA	Barlanga, Hazaribag
M/s Feegrade & Company Pvt. Ltd.,	Integrated Steel	NA	Guraa & Rangamati West Singhbhum
M/s Bonai Industrial Company Limited,	Integrated Steel	NA	Kundubera & Singh Pokharia, West Singhbhum
M/s Vini Iron & Steel Udyog Limited ,	Integrated Steel	NA	Lupungdih, Chandil, Saraikela Sarkhaswan
M/s Narsingh Ispat Limited, Howrah	(a) Mini Steel	NA	Khunti, Chandil, Saraikela Kharswan
M/s Rungta Mines Ltd. Rungta House ,	Integrated Steel Plant	NA	Chaibasa
M/s Core Steel & Power Ltd.,	Integrated Steel Plant	NA	Musabani , Ghatsila
M/s Ispat Industries Ltd.	Integrated Steel Plant	NA	Nandpur, Manoharpur
M/s Ma Chandi Durga Ispat Ltd.,	Integrated Steel Plant	NA	Jamtara
M/s Jagdamba Fuisical Services Ltd.,	Integrated Steel Plant	NA	Dumka
M/s Brahmi Impex Ltd.,	Integrated Steel Plant	NA	Jamtara
M/s Adhunik Corporation Ltd.	Integrated Steel Plant	NA	Dumka
M/s Traingle Trading Pvt. Ltd.,	Steel Plant	NA	Saraikela- Kharswan
M/s Premier Ferrow Alloys & Securities Ltd,	Integrated Steel plant	NA	Hazaribagh
M/s Push Steel & Mining (P) Ltd.	Mini Steel Plant	NA	Chandil / Saraikella Kharsawan
M/s Sarthak Industries Ltd.	Steel plant	NA	Raj Kharswan

v) Power

Since the formation of the state around 22 MOU's were signed in this sector. Some of the key players existing are Damodar Valley Corpn., NTPC Ltd, Jindal Steel & Power Limited and Tata Power Ltd. Table 4.16 gives the data on the existing players in power sector in Jharkhand.

Table 4.16 Existing Players in Power Sector

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Type	District
A C C Ltd.	Chaibasa Captive Power Project	Completed	50	Thermal electricity	Chaibasa
Adhunik Thermal Energy Ltd.	Thermal Power (Phase-I) Project	Under Implementation	1200	Thermal electricity	Saraikela-Kharswan
Anindita Trades & Invsts. Ltd.	Captive Power Project	Under Implementation	55	Thermal electricity	Ramgarh
Bihar Caustic & Chemicals Ltd.	Thermal Power Project	Completed	152	Thermal electricity	Rehla
Bokaro Power Supply Co. Pvt. Ltd.	Power Project	Under Implementation	2600	Thermal electricity	Bokaro
Burnpur Cement Ltd.	Thermal Power Project	Under Implementation	200	Thermal electricity	Hazaribagh
Damodar Valley Corpn.	Bokaro Thermal Power Station R & M Project	Under Implementation	NA	Thermal electricity	Bokaro
Damodar Valley Corpn.	Chandrapura Thermal Power Station R & M Project	Under Implementation	2000	Thermal electricity	Chandrapura
Damodar Valley Corpn.	Kodarma Power Project	Under Implementation	4500	Thermal electricity	Koderma
Damodar Valley Corpn.	Maithon R & M Project	Under Implementation	30	Hydro electricity	Maithon
Daya Ogden Power Generation (India) Ltd.	Dugda Thermal Power Project	Under Implementation	NA	Thermal electricity	Dugda
Daya Ogden Power Generation (India) Ltd.	Kedla Thermal Power Project	Under Implementation	NA	Thermal electricity	Kedla
Daya Ogden Power Generation (India) Ltd.	Piparwar Thermal Power Project	Under Implementation	NA	Thermal electricity	Piparwar
Daya Ogden Power Generation (India) Ltd.	Sudamdih Thermal Power Project	Under Implementation	NA	Thermal electricity	Sudamdih
Jindal Steel & Power Ltd.	Hazaribag Power Project	Under Implementation	10000	Thermal electricity	Patratu

Maithon Power Ltd.	Maithon Right Bank Thermal Power Project	Under Implementation	3800	Coal based thermal electricity	Maithon
N T P C Ltd.	North Karanpura (Pakri Barwadih) Mine Project	Under Implementation	8000	Thermal electricity	North Karanpura
Tata Power Co. Ltd.	Jamshedpur Waste-Gas Based Power Project	Under Implementation	500	Energy from waste recycling	Jamshedpur
Tata Power Co. Ltd.	Jojobera Power Project	Completed	1025.19	Coal based thermal electricity	Jojobera
Tata Power Co. Ltd.	Jojobera Power Project	Completed	390	Thermal electricity	Jojobera
Tenughat Vidyut Nigam Ltd.	Tenughat Power Project Stage I I	Under Implementation	2206	Coal based thermal electricity	Tenughat
Usha Martin Ltd.	Captive Power Project	Completed	100	Coal based thermal electricity	Ranchi
Usha Martin Ltd.	Jamshedpur Captive Power Project	Completed	100	Thermal electricity	Jamshedpur

Table 4.17 gives the detailed data on new entrants in power sector in Jharkhand. Some of the upcoming ventures include:

- Jharkhand Thermal Power project by CESC Ltd in KatiKund
- Jharkhand Coal based thermal electricity project by Essar power entailing an investment of Rs 5,000 crore
- Jharkhand Coal based thermal power project by Lanco Infratech Ltd with an investment of Rs 10,000 crore
- Jharkhand Power project by Tata Power Company Ltd in Mosabani entailing an investment of Rs 15,000 crore

Table 4. 17 Upcoming Players in Power Sector

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Type	District
Adhunik Thermal Energy Ltd.	Thermal Power (Phase-II) Project	Announcement	NA	Thermal electricity	Saraikela-Kharswan
C E S C Ltd.	Jharkhand Thermal Power Project	Announcement	5000	Coal based thermal electricity	Katikund
Corporate Ispat Alloys Ltd.	Coal Based Thermal Electricity Project	Announcement	NA	Coal based thermal electricity	Chitrapur
Corporate Power Ltd.	Jharkhand Coal Based Thermal Power Project	Announcement	NA	Coal based thermal electricity	Chitrapur
Damodar Valley Corpn.	Bokaro Dual Fuel Based Power Project	Announcement	NA	Thermal electricity	Bokaro

Damodar Valley Corpn.	Panchet Thermal Power Project	Announcement	8000	Coal based thermal electricity	Panchet
Damodar Valley Corpn.	Ramgarh Power Project	Announcement	4000	Thermal electricity	Ramgarh
Essar Power (Jharkhand) Ltd.	Jharkhand Coal Based Thermal Electricity Project	Announcement	5000	Coal based thermal electricity	Jharkhand
G V K Industries Ltd.	Hazaribagh Power Project	Announcement	2500	Thermal electricity	Hazaribagh
Heavy Engineering Corpn. Ltd.	Captive Thermal Power Project	Announcement	NA	Thermal electricity	Ranchi
Jayaswals Neco Ltd.	Moitra Thermal Power Project	Announcement	567.5	Thermal electricity	Moitra
Jharkhand State Electricity Board	Chandil Power Project Phase I	Announcement	4000	Coal based thermal electricity	Chandil
Jharkhand State Electricity Board	Hazaribagh Thermal Power Project	Announcement	5000	Thermal electricity	Patratu
Jindal Steel & Power Ltd.	Dumka Power Project	Announcement	NA	Thermal electricity	Dumka
K S K Energy Ventures Ltd.	Jharkhand Power Project	Announcement	1000	Coal based thermal electricity	Jharkhand
Lanco Infratech Ltd.	Jharkhand Coal Based Thermal Power Project	Announcement	10000	Coal based thermal electricity	Jharkhand
Monnet Ispat & Energy Ltd.	Captive Power Project	Announcement	150	Thermal electricity	Hazaribagh
Neyveli Lignite Corpn. Ltd.	Jharkhand Power Project	Announcement	5000	Thermal electricity	Tandwa
Pawanjay Steel & Power Ltd.	Captive Power Project	Announcement	30	Thermal electricity	Lohardaga
Power Finance Corpn. Ltd.	Jharkhand Ultra Mega Power Project	Announcement	16000	Coal based thermal electricity	Tilaiya
Raj Refractories Pvt. Ltd.	Waste Recovery Power Project	Announcement	NA	Energy from waste recycling	Jharkhand
Reliance Energy Ltd.	Jharkhand Coal Based Power Project	Announcement	8000	Coal based thermal electricity	Jharkhand
Tata Power Co. Ltd.	Jharkhand Power Project	Announcement	15000	Thermal electricity	Mosabani
Techal Inc.	Captive Power Project	Announcement	500	Thermal electricity	Jharkhand
Vallabh Steels Ltd.	Thermal Power Project	Announcement	115	Thermal electricity	Gamaharia

vi) Transport Equipments

India's component industry now has the capability to manufacture the entire range of auto-components, such as engine parts, drive, transmission parts, suspension and braking parts, electrical

parts, and body and chassis parts, with engine parts making up nearly a third of all exports. India is estimated to have the potential to become one of the top five auto component economies by 2025. The industry has been experiencing a high growth rate of 20 per cent over the period 2000-05 and is expected to grow at a rate of 17 per cent over the period 2006-14. Similarly, while growth rate of exports has been 25 per cent during 2000-05, the growth rate is expected to grow by 34 per cent during 2006-14.

Players in auto ancillary sector in Jharkhand like Composite Systems Pvt Ltd; Tata Daewoo Commercial Vehicle Co. Limited and Steel Strips Wheels Limited are in the process of implementing their respective projects.

Table 4. 18 Players in Transport Industry with projects in implementation

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Composite Systems Pvt. Ltd.	Composites Component Project	Under Implementation	24	Automobile ancillaries	Purbi Singhbhum
S E Z Adityapur Ltd.	Automobile & Components S E Z Project	Under Implementation	NA	Automobiles	Jharkhand
Steel Strips Wheels Ltd.	Automobile Wheels Project	Under Implementation	230	Wheels for automobiles	Purbi Singhbhum
Tata Daewoo Commercial Vehicle Co. Ltd.	Heavy Commercial Vehicle Project	Under Implementation	NA	Heavy commercial vehicles	Purbi Singhbhum

Caparo Engineering India Pvt Limited is coming up with a Auto Ancillary Project in Jamshedpur; Heavy Engineering Corpn. Limited is coming up with a railway wheel & axle plant project in Ranchi. These have been announced and have yet to start.

Table 4. 19 Upcoming Players in Transport Industry

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Caparo Engineering India Pvt. Ltd.	Jamshedpur Auto Ancillary Project	Announcement	NA	Automobile ancillaries	Purbi Singhbhum
Heavy Engineering Corpn. Ltd.	Railway Wheel & Axle Plant Project	Announcement	NA	Wheels/wheel rims	Ranchi

viii) Chemicals

India ranks twelfth in the world for production of chemicals by volume. India's chemicals industry contributes about 3 per cent to the nation's Gross Domestic Produce (GDP). The industry has a turnover of about US\$ 30 billion, and accounts for about 14 per cent in the general Index of Industrial Production (IIP) and 17.6 per cent in the manufacturing sector. It also accounts for about 13-14 per cent of total exports and 8-9 per cent of total imports of the country. The Indian chemicals industry comprises both small and large-scale units. While the fiscal concessions granted to the small sector in mid-eighties led to the establishment of a large number of units in the Small Scale

Industries (SSI) sector, the industry is currently in the midst of major restructuring and consolidation. With the shift in emphasis on product innovation, branch building and environmental friendliness, this industry is increasingly moving towards greater customer orientation.

Table 4.20 and 4.21 gives the details of projects which are completed and those which have announced respectively. Some of the existing players are Anirox Pigments Ltd; B O C India Ltd.; Bihar Caustic & Chemicals Ltd and Oil & Natural Gas Corpn. Ltd. SAIL is coming up with an oxygen project in Bokaro with an entitled cost of Rs 300 crore.

Table 4. 20 Existing Players in Chemical Industry

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Anirox Pigments Ltd.	Nigrosine Project	Completed	NA	Acid dyes	Dhanbad
B O C India Ltd.	Jamshedpur Gases Project	Completed	NA	Hydrogen, rare & other gases	Purbi Singhbhum
B O C India Ltd.	Oxygen Project	Completed	30	Oxygen	Purbi Singhbhum
B O C India Ltd.	Oxygen Project	Completed	220.14	Oxygen	Purbi Singhbhum
Bihar Caustic & Chemicals Ltd.	Membrane Technology Project	Completed	112.5	Inorganic chemicals	
Jamshedpur Injection Powder Ltd.	Desulphurising Compound Project	Completed	22	Chemicals	Purbi Singhbhum
Oil & Natural Gas Corpn. Ltd.	Coal Bed Methane Project	Under Implementation	1000	Methane	Dhanbad
Tata Pigments Ltd.	Synthetic Iron Oxide Expansion Project	Under Implementation	2.5	Iron oxides	Purbi Singhbhum
Tata Steel Ltd.	Jamshedpur Cryogenic Air Separation Project	Under Implementation	320	Hydrogen, rare & other gases	Purbi Singhbhum

Table 4. 21 Upcoming Players in Chemical Industry

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
SAIL.	Bokaro Oxygen Project	Announcement	300	Oxygen	Bokaro

ix) Non- Electrical Machinery

The non electrical machinery sector has major players like Tata Cummins Ltd and Timken India Limited. Telco Construction equipment Company Limited is coming up with a construction machinery expansion project in Purbi Singhbhum and Mc Nally Bharat Engg.Co. Ltd is in process of a gear box project in Dhanbad. Details are given in Table 4.22 and Table 4.23 respectively.

Table 4. 22 Existing Players in Non- Electrical Machinery

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Tata Cummins Ltd.	Diesel Engine Project	Under Implementation	300	Diesel engines	Purbi Singhbhum
Timken India Ltd.	Standard Bearing Project	Completed	32	Ball or roller bearings	Purbi Singhbhum

Table 4. 23 Upcoming Players in Non- Electrical Machinery

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Mcnally Bharat Engg. Co. Ltd.	Gearboxes Project	Announcement	40	Gears	Dhanbad
Telco Construction Equipment Co. Ltd.	Construction Machinery Expansion Project	Announcement	NA	Construction machinery	Purbi Singhbhum

x) Retail Sector

The retail market is one of fastest growing industries in the service sector generating maximum employment. Retailers are in the process of expanding their businesses and thereby creating a huge demand for real estate. Their preferred means of expansion is to increase the number of outlets in a city, and also expand to other regions. Driven by changing lifestyles, strong income growth and favourable demographic patterns, retail is expanding at a rapid pace.

The retail sector did always exist in Jharkhand with small scale and tiny players which were in the unorganized sector but the scenario is quite different now, more retail stores and forum malls are coming up by big players like Reliance, Fab India, Globus and Forum (see Table 4.24).

Table 4. 24 Upcoming Players in Retail Sector

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location
Forum Projects Pvt. Ltd.	Adityapur Forum Mall Project	Announcement	NA	Departmental stores & shopping malls	Adityapur
Forum Projects Pvt. Ltd.	Jamshedpur Forum Mall Project	Announcement	NA	Departmental stores & shopping malls	Jamshedpur
Globus Stores Pvt. Ltd.	Retail Outlets Expansion Project	Announcement	800	Retail trade	Jamshedpur
M & J Associates	Firayalal Veevo City Shopping Mall Project	Announcement	450	Departmental stores & shopping malls	Ranchi
Om Overseas Pvt. Ltd.	Retail Outlets Expansion Project	Announcement	600	Retail trade	Jharkhand

xi) Service sector

The service sectors' contribution to GDP of Jharkhand is lowest as compared to all the states. There is huge potential for industrialization but absence of proper infrastructure like roads, railways, highways etc. Table 4.24 gives the data on existing and upcoming players in the service sector.

Table 4. 25 Existing &Upcoming Players in Service Sector

Company Name	Project Name	Project Status	Project Cost (Rs. Crore)	Industry	Location (1)
Airports Authority Of India	Ranchi (Birsra Munda) Airport Upgradation Project	Announcement	100	Airports	Birsra Munda
Airports Authority Of India	Ranchi Airport Project	Completed	NA	Airports	Birsra Munda
Central Coalfields Ltd.	J P Railway Line Project	Under Implementation	80	Railways	Bokaro
Chhattisgarh State Electricity Board	Korba East-Bishrampur Transmission Line Project	Announcement	NA	Power transmission line infrastructure	Bishrampur
Container Corpn. Of India Ltd.	Inland Container Depots Project	Under Implementation	NA	Other storage & distribution	Tatanagar
Container Corpn. Of India Ltd.	Jamshedpur Container Depot Project	Completed	4	Other storage & distribution	Jamshedpur
Damodar Valley Corpn.	Btps-Ramgarh Transmission Line Project	Completed	17	Power transmission line infrastructure	Ramgarh
Damodar Valley Corpn.	Patherdih-Govindpur 132 Kv Transmission Project	Announcement	6.9	Power transmission line infrastructure	Govindpur
East Central Railway	Giridih-Koderma Phase-I Railway Project	Under Implementation	371.36	Railways	Giridih
East Central Railway	Koderma Rob (Lc No.34) Project	Announcement	6.41	Roadways	Koderma
East Central Railway	Koderma-Ranchi Rail Project	Under Implementation	1033	Railways	Koderma
East Central Railway	Koderma-Tilaiya Railway Project	Under Implementation	459.91	Railways	Koderma
Eastern Railways	Barharwa-Tinpahar Railway Project	Announcement	40	Railways	Barharwa
Eastern Railways	Daltonganj-Kajri Rob In Lieu Of Level Cross. No13-B/E	Announcement	5.83	Roadways	Daltonganj
Eastern Railways	Deogarh-Dumka Rail Project	Under Implementation	180.73	Railways	Deogarh
Eastern Railways	Deogarh-Sultanganj Railway Project	Under Implementation	373.34	Railways	Deogarh
Eastern Railways	Mandar Hill-Dumka-Rampurhat S L Project	Under Implementation	254.06	Railways	Mandar Hill
Eastern Railways	Mandarhil-Dumka Major Bridge Construction(Balance) Project	Announcement	1.88	Roadways	Dumka
Essar Oil Ltd.	Paradip-Baleshwar-Jamshedpur-Ranchi Pipeline Project	Announcement	280	Pipeline infrastructure	Jamshedpur
Forum Projects Pvt. Ltd.	Adityapur Forum Mall Project	Announcement	NA	Departmental stores & shopping malls	Adityapur

Forum Projects Pvt. Ltd.	Jamshedpur Forum Mall Project	Announcement	NA	Departmental stores & shopping malls	Jamshedpur
Globus Stores Pvt. Ltd.	Retail Outlets Expansion Project	Announcement	800	Retail trade	Jamshedpur
Government Of Chhattisgarh	Katni-Gumla Road Project	Announcement	2.03	Roadways	Gumla
Government Of Jharkhand	Angarha-Rahe-Hahe Road Project	Announcement	10.24	Roadways	Angarha
Government Of Jharkhand	Banta - Rahe - Bundu Road Project	Announcement	13.85	Roadways	Banta
Government Of Jharkhand	Barakar Rob Project	Announcement	1.77	Roadways	Barakar River
Government Of Jharkhand	Bengabad-Chataro Road Project	Announcement	7.5	Roadways	Bengabad
Government Of Jharkhand	Brambay Medical College & Hospital Project	Announcement	NA	Hospitals, health care centres, etc.	Brambay
Government Of Jharkhand	Bridge On River Koyal Project	Announcement	3.52	Roadways	Koyal River
Government Of Jharkhand	Bridge Over Mayurakshi River (On Barapalasi-Asanjor Rd) Project	Announcement	NA	Roadways	Mayurakshi River
Government Of Jharkhand	Bundu-Sonahatu-Jamudag-Jaria Road Project	Announcement	11.64	Roadways	Bundu
Government Of Jharkhand	Chatra Hospital Project	Announcement	2.46	Hospitals, health care centres, etc.	Chatra
Government Of Jharkhand	Chattarpur-Japla Road Upgradation Project	Announcement	7.66	Roadways	Japla
Government Of Jharkhand	Chink Nala Rob Project	Announcement	2.24	Roadways	Chink Nala River
Government Of Jharkhand	Chirki Rob Project	Announcement	2.32	Roadways	Chirki River
Government Of Jharkhand	Church Road (Kali Mandir)-Bahu Bazar Road-Chutia-Ranchi Rly Stn. Road Project	Announcement	8.96	Roadways	Chutia
Government Of Jharkhand	Churni River Rob Project	Announcement	1.87	Roadways	Deogarh
Government Of Jharkhand	Cyber City Project	Under Implementation	NA	Software park	Jamshedpur
Government Of Jharkhand	Dalahi-Datiarpur Road Project	Announcement	2.21	Roadways	Dalahi
Government Of Jharkhand	Damodar River Bridge (Kali Mandir Ghaghri Path) Project	Announcement	1.53	Roadways	Damodar River
Government Of Jharkhand	Dipatoli-Tatisilwai Road Project	Announcement	1.77	Roadways	Dipatoli
Government Of Jharkhand	Dumka-Rampurhat Road Widening & Strengthening Proj.	Announcement	19.75	Roadways	Dumka
Government Of Jharkhand	Durduri River Bridge Project	Announcement	1.12	Roadways	Durduri River
Government Of Jharkhand	Eleven Submersible Bridges & Approach Rds. In Gumla Dist.	Announcement	NA	Roadways	Gumla
Government Of Jharkhand	Garhi Rob Project	Announcement	1.28	Roadways	Garhi River
Government Of Jharkhand	Ghaghra-Bishunpur-Netarhat Road	Announcement	33.66	Roadways	Bishunpur
Government Of Jharkhand	Gidhani - Gandho Road Project	Announcement	2	Roadways	Gandho
Government Of Jharkhand	Giridih-Bengabad-Madhupur Road Widening Project	Announcement	8.04	Roadways	Bengabad
Government Of Jharkhand	Govindpur-Jamtara-Dumka-Sahebganj-Sahebganj Ghat Road Project	Announcement	800	Roadways	Dumka
Government Of Jharkhand	Gumla-Ghaghra Road Project	Announcement	7.21	Roadways	Ghaghra

Government Of Jharkhand	Hotel Management Institute Project	Announcement	22	Education	Adityapur
Government Of Jharkhand	Jamua-Khaugadiha-Chatari Road Project	Announcement	4.02	Roadways	Jamua
Government Of Jharkhand	Jamua-Pachamba Road Widening Project	Announcement	6.63	Roadways	Jamua
Government Of Jharkhand	Jamunia Rob Project	Announcement	1.49	Roadways	Jamunia River
Government Of Jharkhand	Jonha - Purabdih Road Project	Announcement	11.33	Roadways	Jonha
Government Of Jharkhand	Kadru More (Rob)-Argora Chowk Road Project	Announcement	2.05	Roadways	Ranchi
Government Of Jharkhand	Kanke Road (Ram Mandir)-Ranchi College Road Project	Announcement	1.5	Roadways	Ranchi
Government Of Jharkhand	Kathal-More To Kathitanr Via Daladadli Road Project	Announcement	3.03	Roadways	Kathal
Government Of Jharkhand	Kulgo Rob Project	Announcement	1.53	Roadways	Kulgo River
Government Of Jharkhand	Lakda-Pahadi-Chopa Road Project	Announcement	12.79	Roadways	Ranchi
Government Of Jharkhand	Littipada-Pakur Road Project	Announcement	10.21	Roadways	Littipada
Government Of Jharkhand	Lohardaga-Ghaghra Road Project	Announcement	4.82	Roadways	Ghaghra
Government Of Jharkhand	Maheshpur-Pakudia Road Project	Announcement	8.35	Roadways	Maheshpur
Government Of Jharkhand	Musabani Medical College & Hospital Project	Announcement	NA	Hospitals, health care centres, etc.	Musabani
Government Of Jharkhand	Nine Submersible Bridges In Bokaro District Proj.	Announcement	NA	Roadways	Bokaro
Government Of Jharkhand	Patel Chowk-Kanta Toli Chowk(Old Hazaribaug Road) Proj.	Announcement	2.87	Roadways	Kanta Toli Chowk
Government Of Jharkhand	Pithoria Chowk-Mesra (Nh-33) Road Project	Announcement	7.31	Roadways	Ranchi
Government Of Jharkhand	Ranchi-Chaibasa Road Project	Announcement	2.16	Roadways	Chaibasa
Government Of Jharkhand	Ranchi-Gumla (135-150 Kms) Road Widening Project	Announcement	5.81	Roadways	Gumla
Government Of Jharkhand	Ranchi-Jamshedpur-Bahragora Highway Project	Announcement	NA	Roadways	Bahragora
Government Of Jharkhand	Rehla-Garhwa-Ranka-Godarmana Road Project	Under Implementation	25.32	Roadways	Godarmana
Government Of Jharkhand	Sakri Rob Project	Announcement	1.36	Roadways	Sakri River
Government Of Jharkhand	Saraikele-Kharsawa Road Project	Announcement	6.61	Roadways	Kharsawan
Government Of Jharkhand	Science City Project	Under Implementation	NA	Education	Ranchi
Government Of Jharkhand	Silli-Banta-Tikar-Rangamati Road Project	Announcement	19.7	Roadways	Rangamati
Government Of Jharkhand	Six Bridges & Approach Roads In Ranchi District	Announcement	7.63	Roadways	Ranchi
Government Of Jharkhand	Sixteen Road Over Bridges Project	Under Implementation	178.84	Roadways	Jharkhand
Government Of Jharkhand	Sports Complex Project	Under Implementation	276	Infrastructure for recreation, cultural services, etc (incl studio)	Ranchi
Government Of Jharkhand	Submer. Brid. Over River Bokaro In Bokaro Dist.	Announcement	NA	Roadways	Gomia Block
Government Of Jharkhand	Submer. Brid. Over River Joria On Bardehi-Matiyala Rd.	Announcement	NA	Roadways	Govindpur Block
Government Of Jharkhand	Submer. Brid. Over River Khudia On Tetulia-Lakhiabad	Announcement	NA	Roadways	Nirsa Block

Government Of Jharkhand	Submersible Bridge Over Torai River In Pakur Dist.	Announcement	NA	Roadways	Pakur Block
Government Of Jharkhand	Swarnrekha River Bridge Project	Announcement	1.12	Roadways	Swarnrekha River
Government Of Jharkhand	Three Bridges & Approach Roads In Giridih Dist.	Announcement	NA	Roadways	Giridih
Government Of Jharkhand	Three Bridges & Approach Roads In Koderma Dist.	Announcement	NA	Roadways	Koderma
Government Of Jharkhand	Tisari-Tanasinghdih-Kauakol Road Project	Announcement	15.49	Roadways	Tanasingh Kauakol Road
Government Of Jharkhand	Tittahiya Bank Rob Project	Announcement	2.1	Roadways	Nemobad
Government Of Jharkhand	Tittahiyabag Joria River Bridge (In Nawadih-Nimobad Rd) Project	Announcement	1.51	Roadways	Tittahiyabag River
Government Of Jharkhand	Two Bridges & Approach Roads In Daltonganj Dist.	Announcement	9.54	Roadways	Daltonganj
Government Of Jharkhand	Usari River Rob Project	Announcement	2.55	Roadways	Usari River
Government Of Jharkhand	Vidhan Sabha-H.E.C.-Jagannath Mandir-Naisaraj-Jorapokhar Road Project	Announcement	3.36	Roadways	Jorapokhar
Hindustan Petroleum Corpn. Ltd.	Hazaribag L P G Bottling Project	Completed	NA	LPG storage & distribution	Hazaribag
Indian Oil Corpn. Ltd.	Bokaro L P G Bottling Project	Completed	66.24	LPG storage & distribution	Bokaro
Inland Waterways Authority Of India	Cargo Terminals Project	Announcement	70	Storage & warehousing infrastructure	Pakur
Jharkhand State Electricity Board	Daltanganj Substation Project	Announcement	NA	Power transmission line infrastructure	Daltanganj
Jharkhand State Electricity Board	Deogarh-Dumka Transmission Project	Announcement	NA	Power transmission line infrastructure	Deogarh
Jharkhand State Electricity Board	Dumka Substation Project	Announcement	NA	Power transmission line infrastructure	Dumka
Jharkhand State Electricity Board	Dumka-Lalmatia-Sahibganj Transmission Line Project	Announcement	NA	Power transmission line infrastructure	Lalmatia
Jharkhand State Electricity Board	Dumka-Pakur Transmission Line Project	Announcement	NA	Power transmission line infrastructure	Dumka
Jharkhand State Electricity Board	Hatia 220/132 Kv Grid Substation Project	Announcement	NA	Power transmission line infrastructure	Hatia
Jharkhand State Electricity Board	Jojobera Power Station-Ramachandrapura Grid Trans. Proj.	Announcement	NA	Power transmission line infrastructure	Jojobera
Jharkhand State Electricity Board	Kanke Substation Project	Announcement	NA	Power transmission line infrastructure	Kanke

Jharkhand State Electricity Board	Latehar Substation Project	Announcement	NA	Power transmission line infrastructure	Latehar
Jharkhand State Electricity Board	Latehar-Daltonganj 220 Kv Dc Trans. Line Project	Announcement	NA	Power transmission line infrastructure	Daltonganj
Jharkhand State Electricity Board	Loharagga-Latehar 220 Kv,3 Phase D/C Line Project	Announcement	NA	Power transmission line infrastructure	Latehar
Jharkhand State Electricity Board	Pakur Substation Project	Announcement	NA	Power transmission line infrastructure	Pakur
Jharkhand State Electricity Board	Rural Electrification Project	Announcement	400	Power transmission line services	Jharkhand
Jharkhand State Electricity Board	Sahibganj Substation Project	Announcement	NA	Power transmission line infrastructure	Sahibganj
National Highways Authority Of India	Agra-Dhanbad National Highway Project	Under Implementation	NA	Roadways	Dhanbad
National Highways Authority Of India	Aurangabad--Barwa-Add(Rajganj-Barakata) Highway Proj.	Under Implementation	452.71	Roadways	Gorhar
National Highways Authority Of India	Aurangabad--Barwa-Adda(Gorhar-Barwa-Adda) Highway	Under Implementation	399.75	Roadways	Barwa-Adda
National Highways Authority Of India	Barhi-Ranchi Highway Nh-33 Project	Announcement	NA	Roadways	Barhi
National Highways Authority Of India	Barwa-Adda--Barakar Highway Project	Completed	188	Roadways	Barwa-Adda
National Highways Authority Of India	Grand Trunk Road Improvement Project	Under Implementation	NA	Roadways	Jharkhand
National Highways Authority Of India	Ranchi - Jamshedpur (Nh-33) Highway Project	Announcement	NA	Roadways	Jamshedpur
National Highways Authority Of India	Ranchi-Hazaribagh Road Project	Announcement	318	Roadways	Hazaribagh
National Highways Authority Of India	Vijaywada-Ranchi Highway Project	Announcement	120	Roadways	Ranchi
Petronet India Ltd.	Allahabad-Paradip-Ranchi Pipeline Project	Under Implementation	1500	Pipeline infrastructure	Ranchi
Power Grid Corpn. Of India Ltd.	Jamshedpur-Rourkela Transmission Project	Completed	52.4	Power transmission line infrastructure	Jamshedpur

Power Grid Corpn. Of India Ltd.	Maithon-Ranchi (Kahalgaonii-Phase I) Transmission Project	Announcement	NA	Power transmission line infrastructure	Maithon
Power Grid Corpn. Of India Ltd.	Ranchi Substation Project	Announcement	NA	Power transmission line infrastructure	Ranchi
Power Grid Corpn. Of India Ltd.	Ranchi-Sipat Transmission (Kahalgaon Ii- Phase Ii) Project	Announcement	NA	Power transmission line infrastructure	Ranchi
Power Grid Corpn. Of India Ltd.	Unified Load Despatch & Communication System (E R) Project	Under Implementation	305.7	Power transmission line infrastructure	Jharkhand
Ranchi Municipal Corpn.	Ranchi Integrated Real Estate Development Project	Announcement	400	Real estate infrastructure services	Ranchi
Reliance Gas Pipelines Ltd.	Haldia--Ranchi Pipeline Project	Announcement	260	Pipeline infrastructure	Jamshedpur
Roots Corporation Ltd.	Jamshedpur (Ginger) Hotel Project	Announcement	NA	Hotel & restaurant services	Jamshedpur
Software Technology Parks Of India Ltd.	Nemkom Software Technology Park Project	Announcement	10	Software park	Namkom
Soundcraft Industries Ltd.	Ranchi Hotel Project	Under Implementation	115	Hotel & restaurant infrastructure	Ranchi
South Eastern Railways	Adra-Gomoh Bridge (No.412, 432 & 409) Project	Announcement	14.92	Roadways	Gomoh
South Eastern Railways	Chnadil-Manikui Rob (Lc No.378/519-521) Project	Announcement	7.43	Roadways	Chandil
South Eastern Railways	Ghatsila-Galudih Rob At L.C.No.213/21-23 Project	Under Implementation	7.43	Roadways	Galudih
South Eastern Railways	Kunki-Kandra Rob (Lc No.390/57-59) Project	Announcement	7.43	Roadways	Kandra
South Eastern Railways	Railside Warehousing Complex Project	Announcement	10	Storage & warehousing services	Hatia
South Eastern Railways	Ranchi-Hatia Rob (Lc No.419/13) Project	Announcement	7.43	Roadways	Hatia
South Eastern Railways	Ranchi-Lohardaga-Tori G C Project	Under Implementation	265.38	Railways	Lohardaga
South Eastern Railways	Ranchi-Namkum Rob (Lc No.414/12) Project	Announcement	7.43	Roadways	Namkum
South Eastern Railways	Ranchi-Piska Rob (Near Dibadih Chowk) Project	Announcement	6.75	Roadways	Piska
South Eastern Railways	Tatanagar R-O-B Project	Under Implementation	6.59	Roadways	Tatanagar
Tata Motors Ltd.	Adityapur Auto Park Project	Announcement	1400	Other parks	Adityapur
Xavier Labour Relations Institute	Business Management Education Studio Project	Announcement	3	Office complexes	Jamshedpur

As evident from the table above, the major players in this sector are Government of Jharkhand, Indian railways and public sector undertakings like National Highway Authority of India Ltd. And Power Grid Corporation of India Ltd. This supports the analysis made earlier that Jharkhand would have to make investments in infrastructure which will form the foundation for stronger secondary and tertiary sector industries.