



**MOMENTUM
JHARKHAND**

The investment destination
GLOBAL INVESTORS' SUMMIT 2017
16 - 17 February, Ranchi



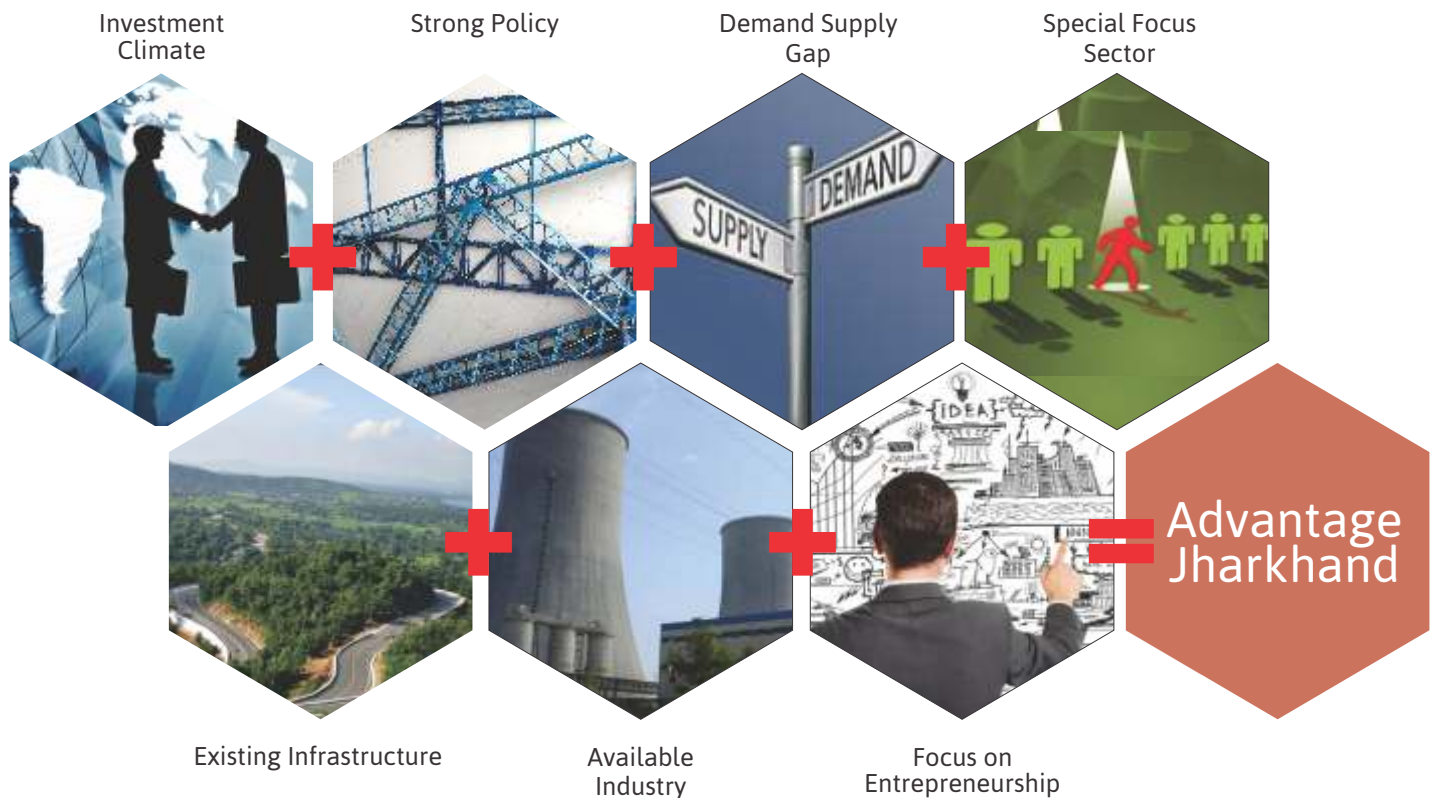
EDUCATION AND SKILL DEVELOPMENT



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Advantage Jharkhand



1st

- ✓ Ranked 1st in Labor reforms and inspection related compliances in India^[1]
- ✓ Endowed with 40% of India's mineral wealth. Leading producer of steel, coal, mica and copper in India (1st rank in coal, 2nd rank in Iron Ore, Apatite rock phosphate, Cobalt, Silver Ore and 3rd rank in Copper, Graphite)
- ✓ Man days lost due to industrial strife lowest in India & Long history of industrial harmony^[2]
- ✓ 1st in country to have SWAN under NeGP and CSC in rural areas^[3]

2nd

- ✓ 10.5% GSDP^[4] growth rate - Second fastest in Eastern India^[5]

5th

- ✓ Ranked 5th Foreign Direct Investment (FDI destination in India)^[6]

7th

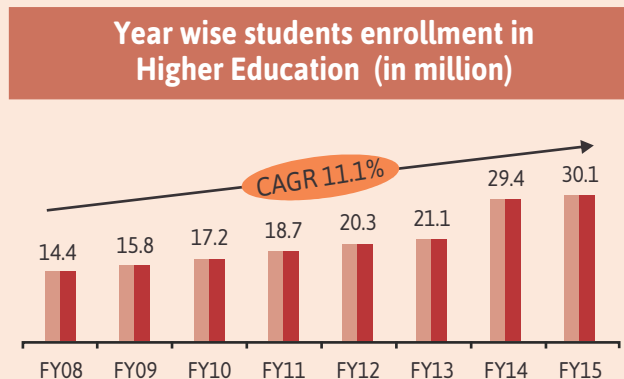
- ✓ Ranked 7th in "Ease of Doing Business" in India in 2016 with an evaluation score of 96.57%^[7]

[1] World Bank Report on Assessment of State Implementation of Business Reforms
 [2] Indian Labour Journal -2015
 [3] SWAN: State wide Area Network; CSC: Common Service Centers
 [4] GSDP – Gross State Domestic Product

[5] CAGR during 2004-05 to 2014-15
 [6] Source: FDI Intelligence Survey
 [7] World Bank Report

Education & Skill Development Scenario in India

School Education	Type	No. of Institutions
	Primary	7,90,640
	Upper Primary	4,01,079
	Secondary	1,31,287
	Senior Secondary	1,02,558
	Total	14,25,564



- High growth rate @CAGR of 11.1% during the last decade
- Forecasted enrollment of 18.5 Mn students in higher education by 2017 (7.51 Mn in 2007)

Higher Education	Type		No. of Institutions
	Universities	Central University	42
		State Public University	310
		Deemed University	127
		State Private University	143
		Central Open University	1
		State Open University	13
		Institution of National Importance	68
		Institutions under State Legislature Act	5
		Others	3
		Total	712
	Colleges		36,671
	Stand Alone Institution	Diploma Level Technical	3,541
		PGDM	392
		Diploma Level Nursing	2,674
		Diploma Level Teacher Training	4,706
			132
		Total	11,445

Source: Census 2011, Ministry of HRD, UGC, AICTE, NCTE, MHRD and INC . JGC Annual Report 2013-14

Skill Development Scenario in India

Sectorial Man Power Requirement by 2022 (Mn)

Sector employment CAGR 2008-22



- Massive requirement of manpower by 2022 thus providing huge opportunities in Education & Skilling sector
- Highest CAGR of 33.8% expected in 'Organized Retail' sector by 2022
- Opportunity for investors to expand their portfolio in Education sector




Source: EY analysis,

Education Scenario in Jharkhand

Overview of Primary and Higher Educational Institutions in Jharkhand

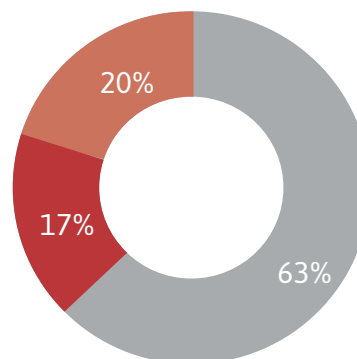
School Education	Type	No. of Institutions
	Govt. Schools	40,603
	Private schools	2,354
	Total No. of Schools	46,773

Universities, Colleges & Educational Institutions	Type	No. of Institutions	
	Central University	1	
	State Public University	6	
	State Private University	7	
	Deemed University (Government)	1	
	Deemed University (Private)	1	
	Institute of National Importance	1	
	Government Colleges	79	
	Other Colleges	146	
	Private Colleges	186	
	Technical Colleges	27	
	Colleges under PPP mode	4	
	Education	Program	No. of Institutions
	Agriculture	University	1
		Colleges	-
	Law	University	1
Colleges		6	
Technical	University	3	
	Colleges	27	
Others	Colleges	186	

Premier Institutions	
	Birla Institute of Technology, Mesra
	Indian School of Mines, Dhanbad
	Indian Institute of Management
	Central University of Jharkhand
	Birma Institute of Technology
	National Institute of Technology, Jamshedpur
	Xavier Labour Relationship Institute, Jamshedpur
	National University of Study and Research in Law, Ranchi
	National Institute of Foundry and Forge Technology
	Birma Agriculture College

Skill Development Scenario in Jharkhand

Employment Profile	
Employment Profile (in Million)	2012
Total Population	33.63
Work age Population	20.78
Labour Force ¹	14.09
Work force ²	13.22



Sector Level Employment

- Primary land, water, vegetation, building materials and minerals
- Secondary manufacturing, processing and construction (infrastructure) industries.
- Tertiary White collar jobs

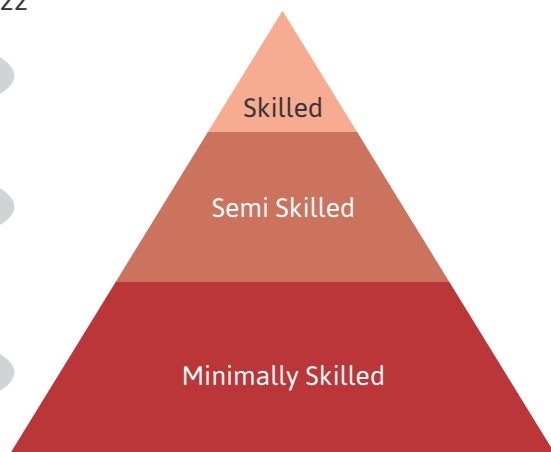
Demand Supply Gap Assessment for 2012-22

Demand for Human Resources 2012-22

7,31,055

9,47,630

27,09,207



Supply of Human Resources 2012-22

5,50,167

5,49,098

35,08,196

Deficit of Human Resources 2012-22

= 1,80,888

= 3,98,533

= -7,98,989

Comment

Need of training & development of Minimally skilled work force to plug the gap of semi and skilled workforce

Note: 1) Labour Force: It refers to the number of persons actually working or willing to work..

2) Work force: The number of persons actually working and does not account for those who are willing to work.

'As-Is' Analysis of Education scenario in Jharkhand

Indicator	India	Jharkhand	Vision 2022
Primary Education			
Literacy Rates (7+ years)	73%	67.6%	<ul style="list-style-type: none"> • Reduce Student-teacher ration from 53:1 to 30:1 • Addition of KGBV schools to reduce girl dropouts.
Literacy Rate (15+ years)	69.3%	67.6%	
Primary & Upper Primary Schools	43,219[1]	11,91,719	
Technical Education			
Gross Enrollment Ratio (GER)	23.6	13.1	• To achieve GER 32
College per Lakh Population	8	26	• Additional colleges required 692
Engineering College density	1 per 20 Lakhs	1 per 7.7 Lakhs	• Additional colleges required 26
Polytechnic College Density	1 per 11 Lakhs	1 per 3 Lakhs	• Additional colleges required 80



Investment Opportunities - Area Identified



- 1 Opportunity in Course content material development, Smart Tools and modules for students etc.
- 2 There is an immense potential in establishing formal educational institutes and expanding the existing ones under PPP mode
- 3 Arranging for Finances for students in collaborations with Universities and Colleges
- 4 Opportunities in Investment on Infrastructure such as construction of schools/colleges/universities and I.T enables services
- 5 Establishing Campuses of foreign universities/technical institutions in Jharkhand.
- 6 Establishment of Skill Development and Finishing Schools in Jharkhand.

Note: [1]: 37% of National Coverage

Investment Opportunities Primary & Higher Education

Primary Education

- Capacity building of over 1 lac teachers across schools in the state
- Private Partners to establish Vocational Centres within school premises
- State has opened 57 Jharkhand Balika Awasiya Vidyalayas in remote blocks
- Quality Education interventions in low literacy and tribal dominated blocks
- Robust ICT intervention in curriculum delivery, content design, Smart classes for wider audience reach
- Setting up of Language Labs for building effective communication skills amongst students



Higher Education

- Opening New Private Universities as per notified guidelines
- Establishing campuses of Foreign universities/technical institutions
- Industry – Academia tie-up: COE^[1] Incubation centres
- State has initiated enabling Wi-Fi campuses for college/institutions
- Partnering with state govt. for skill courses in colleges

[1] CoE: Centre of Excellence

Investment Opportunities Primary & Higher Education

Technical Education

- Opening and Management of New Engineering / Polytechnic colleges on PPP mode
- Industry – Academia tie-up
- State to provide grant to existing Private engineering colleges to improve infrastructure



Skill Development

- Forging partnership for skill development centers in existing academic institutions (Higher, Technical and ITI institutions)
- Setting up of 50 Mega Skill development centres and continuous Bidding process for selection of Training partners underway
- Create Industry linkages to create -
- Set-up Centres of Excellence
- Entrepreneurship Development Fund (EDF) to incubate and scale up sustainable ideas
- Digital Content development for TSPs



Policy Interventions

Incentives for Setting up of Private university

- Allocation of 10 Acres of land for single disciplinary University and provision of endowment fund of Rs 2 Cr
- Allocation of 25 acres of land for Multidisciplinary University and provision of endowment Fund of Rs 4 Cr.

Operation and Maintenance of Polytechnic and Engineering Colleges on PPP mode have been notified.

Untapped Potential

Government Support

Successful Implementation of PPPs



www.advantage.jharkhand.gov.in

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