

MOMENTUM JHARKHAND

Momentum Jharkhand
The Investment Destination







Building a better
working world



झारखण्ड सरकार

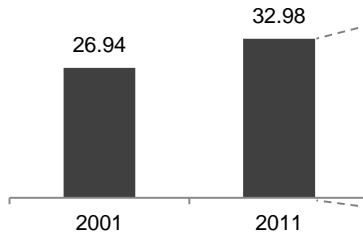
Why Jharkhand?

 <h2>Dynamic Leadership</h2> <p>Stable Government</p> <ul style="list-style-type: none"> ▶ Visionary Leadership ▶ Focus on promoting industrial growth & harmony ▶ Promoting collaboration between government & private sector 	 <h2>Progressive Policies</h2> <p>Sector Focused Policies & Incentives</p> <ul style="list-style-type: none"> ▶ Strong policy framework ▶ Policies aligned to national priorities ▶ Fiscal and administrative incentives ▶ Routine review and revision of policies 	 <h2>Industrial Heritage</h2> <p>Remains of the history of Technology & Industry</p> <ul style="list-style-type: none"> ▶ "Jamshedpur" - first India planned city ▶ Home to India's first integrated steel plant set-up in 1907 ▶ Long established presence of leading industry players - TATA Steel, Bokaro Steel & Usha Martin 	 <h2>Resourceful Geography</h2> <p>Leading Mineral Producing State in India</p> <ul style="list-style-type: none"> ▶ Endowed with vast natural resources ▶ Ranks 3rd in mineral production & home to 40% mineral reserves of India ▶ Mineral based industries categorized as thrust areas by the State
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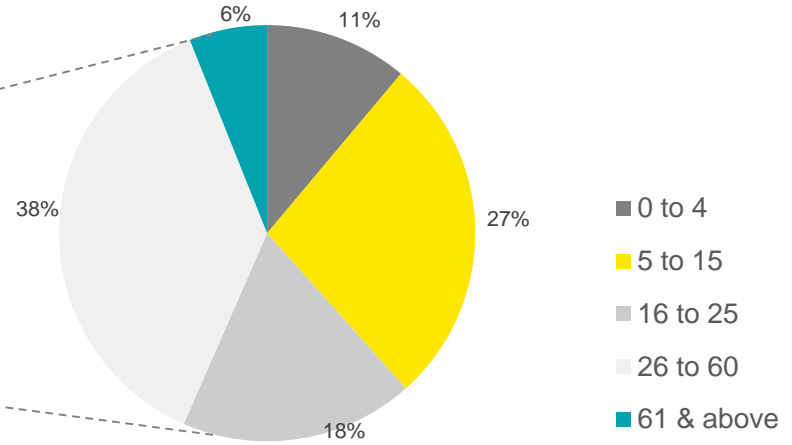
Focus Sectors	Energy	Tourism	Healthcare	Skill & Education	Textiles	Urban Development	IT & ITES	Agri, Food & Feed
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Population: 32.98 Million

Population



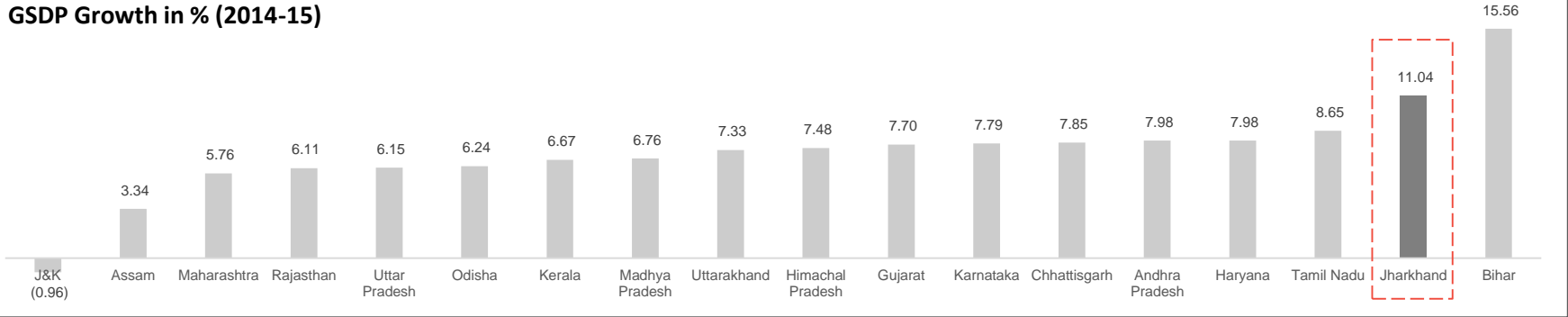
Age Group Distribution



- ✓ The population density of Jharkhand increased from 338 persons/sq. km. in 2001 to 414 persons/sq. km. in 2011
- ✓ Jharkhand is a young state with a significant proportion of youth population. The age group between 16 to 25 years and 26 to 60 years constitutes close to 18% and 38% respectively of the total population of the state.
- ✓ The state witnessed an improvement in Sex Ratio from 941 females per 1,000 males in 2001 to 948 females per 1,000 males in 2011, the ratio moved ahead of the national average during the last decade

GSDP (2014-15): USD 33 billion

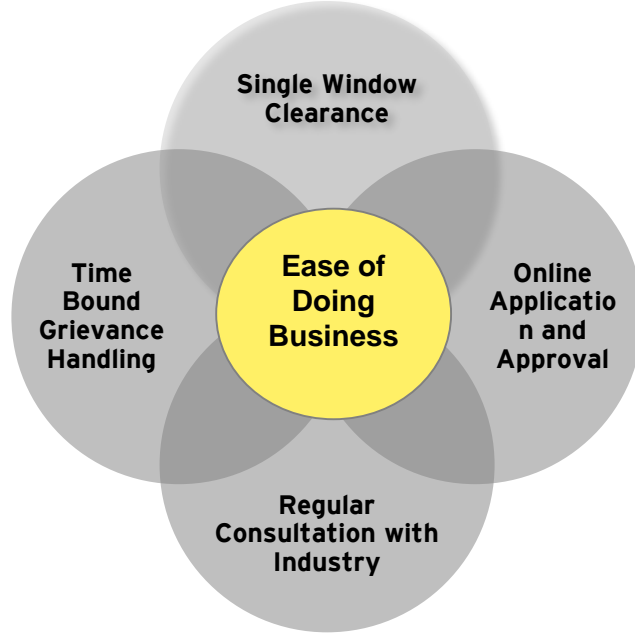
GSDP Growth in % (2014-15)



- ✓ Jharkhand is one of the leading state in India in terms of economic growth
- ✓ GSDP for Jharkhand stood at USD 33 Billion in 2014-2015, with a GSDP growth of ~11%, second highest amongst the 20 major states of India
- ✓ Jharkhand's economy is primarily driven by tertiary sector, which constituted 48.47% of GSDP in 2015-16. Primary Sector and Secondary Sector contributed 28.08% and 23.45% respectively to the GSDP.
- ✓ Tertiary sector has grown the fastest among the three sectors, between 2004-05 to 2015-16 with a CAGR of ~12.9%. The growth has been primarily driven by trade, hotels, real estate, finance, insurance, transport and communications

P	E	S	T	L	E
Political	Economic	Social	Technological	Legal	Environmental
<ul style="list-style-type: none">✓ Visionary leadership✓ Stable Govt.	<ul style="list-style-type: none">✓ One of the fastest growing state in the country✓ 2nd amongst 20 major states in terms of GSDP growth in 2014-15	<ul style="list-style-type: none">✓ Sharp increase in Per-Capita income in recent years✓ Growth in urban population residing in the state	<ul style="list-style-type: none">✓ Government focus on developing Technological infrastructure✓ Policy support to technology set-ups: four related policies unveiled recently	<ul style="list-style-type: none">✓ High Court of judicature at Ranchi - jurisdiction extending to the entire state✓ Alternate Dispute Resolution promoted by Litigation Policy of the state	<ul style="list-style-type: none">✓ Sector specific ministries, responsible for implementing policies✓ Proactive measures to promote business friendly environment

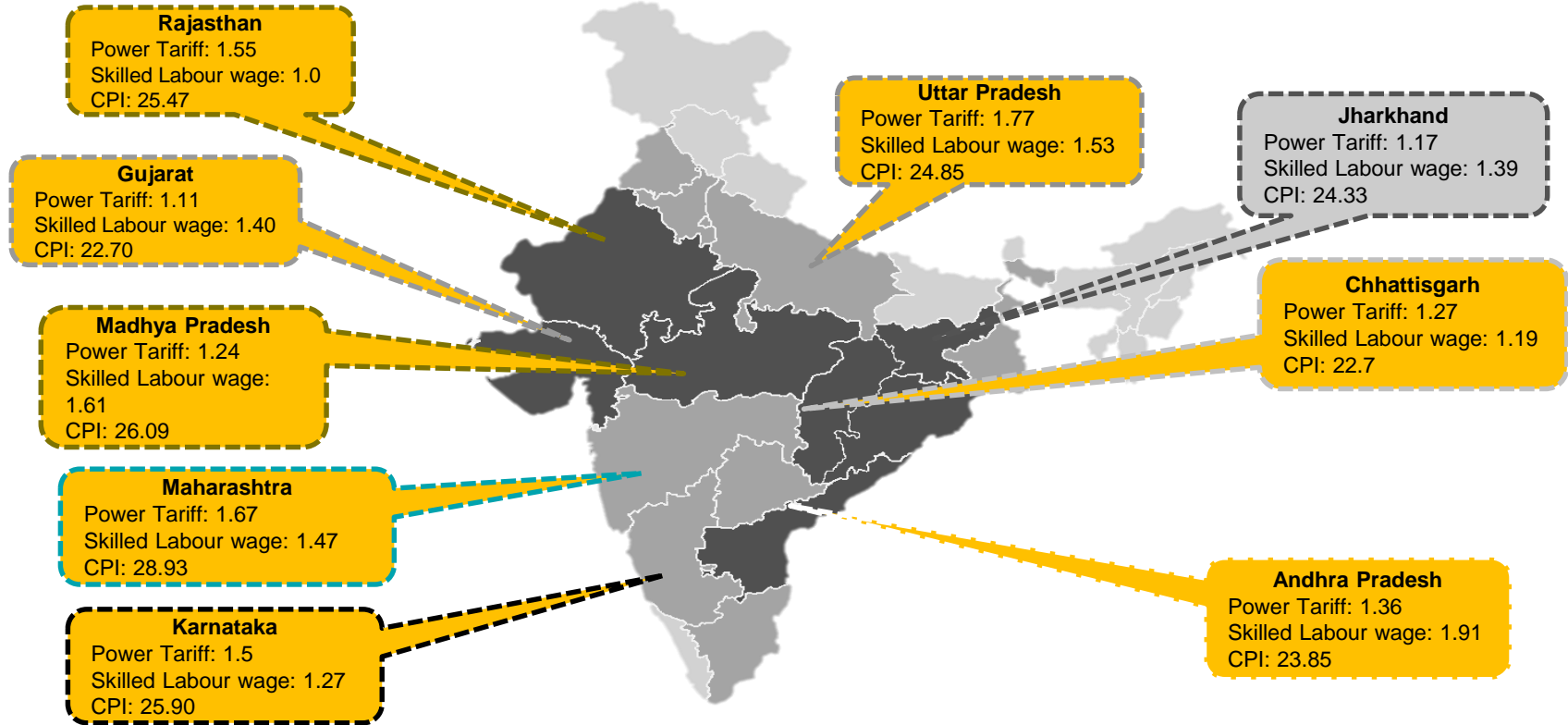
Business Enablers



A	SMS/E-Mail status notification
B	Common Helpline numbers for clearances
C	Qualified & equipped relationship officers
D	Common application for different incentives
E	Online monitoring of disbursement of incentives
F	Grievance handling with timelines
G	Interactive system for approvals
H	Strong Policy Framework

Single Window
www.advantage.jharkhand.gov.in
 Helpline: 0651-6556666

Competitive Cost of Doing Business



* Power Tariff and Skilled Labour Wage have been shown as Cost Index with base as 1. CPI is Consumer Price Index of the capital city (For Andhra Pradesh, Vijayawada is considered), sourced from www.numbeo.com



Ease of Doing Business - Revised Timelines

- ✓ Online grant of Factory Licence and its subsequent renewals can be issued for 1 to 10 years
- ✓ Professional Tax registration certificate issued within one working day of application
- ✓ VAT refund is now done in 60 days
- ✓ Water allocation/ connection approval now available within 30 days
- ✓ Timeline for Building Plan Approval is 60 days
- ✓ Approval of Online application for Tree Cutting and Transportation within 41 days
- ✓ Most Labour clearances within 50 days

Disposal of Application	Time Limits under Facilitation Act (days)	
	Earlier	Revised
Registering a Business under VAT	30	1
Allotment of land by Government	Un-defined	75
Environmental Approvals	120	30-69
Registration under various Labour Acts	Un-defined	30
Electricity Connection	30 Days	13

Abundant Skilled Human Resources

Premier Institutions and Development Centres



Birla Institute of Technology, Mesra



National Institute of Technology



Indian School of Mines, Dhanbad



XLRI, Jamshedpur



Indian Institute of Management



National University of Study and Research in Law



Central University of Jharkhand



National Institute of Foundry and Forge Technology

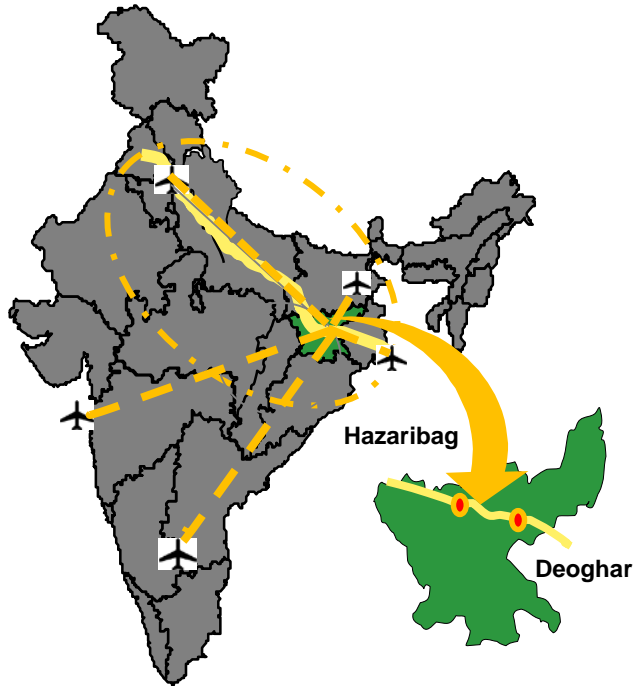
- National Metallurgical Laboratory, Jamshedpur
- Steel Authority of India Limited, R&D centre
- Metallurgical & Engineering Consultants Limited
- Central Mine Planning and Design Institute
- TATA steel R&D Center

Educational Infrastructure

Education	Program	No. of Institutions
Technical	Architecture & Engineering/ Technology	16
	MCA	4
	ITI	20
	ITC	157
	Polytechnic	25
Management	Management	13
	Hotel Management	2
Others	B.Ed / M.Ed	116

Major Industrial Corridors & Connectivity

Robust Infrastructure



Road connectivity*:



- ▶ 15 National Highways (NH) pass through the state
- ▶ Major industrial activity is concentrated in an area South of NH-2, which connects Kolkata with Delhi via Jharkhand
- ▶ Industrial Corridor connecting Ranchi, Dhanbad and Jamshedpur forming a 6 lane Golden Triangle
- ▶ Road length of ~30 k.m. per 100 sq.km. & 72.5 k.m. per lakh population. NH length of 5.48 k.m. per lakh population

Rail connectivity**:



- ▶ Total 2,294 k.m. of rail route network with 2.87 k.m. rail length per 100 sq. km. area

Air connectivity:



- ▶ Domestic Airport Ranchi - connecting all metros/ major cities
- ▶ Jamshedpur, Dumka, Dhanbad, Bokaro, Giridih, Deoghar, Hazaribagh, Daltonganj and Noamundi also have airstrips
- Commercial operations for these airports is also on the cards to provide robust regional connectivity

Source: Jharkhand Economic Survey 2015-16; Ministry Of Road Transport & Highways, Govt. of India; Indian Railways

National Waterway 1

Connecting Jharkhand



The Waterway would link Jharkhand through the river channel to the following key destinations:

In India

✓ Allahabad, Varanasi, Patna, Bhagalpur and Haldia

In Neighboring Countries

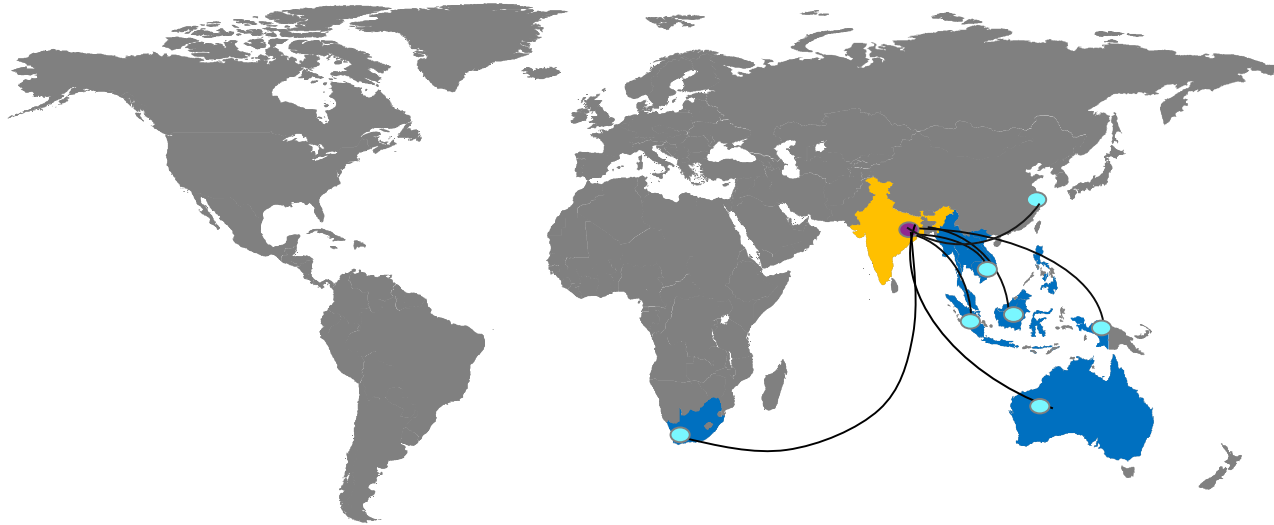
✓ Bangladesh

- The country's first National Waterway, NW-1, has a total length of 1,620 k.m. It runs from Haldia to Allahabad across the Ganges, Bhagirathi & Hooghly rivers
- NW-1 covers four states namely Jharkhand, West Bengal, Bihar & Uttar Pradesh.
- NW-1 crosses Rajmahal (Manglahat) and Sahibganj (Samdaghat) in Jharkhand & connects Jharkhand to Haldia port
- Five big Multi Modal Terminals have been planned between Varanasi and Haldia, including one at Sahibganj, Jharkhand
- Commercial operations on NW-1 started in 2013 with transport of coal on Haldia–Farakka stretch
- The project would substantially reduce the logistics costs on the covered stretches

Jharkhand through National Waterway 1

Gateway to Key Countries for Trade

The NW-1 connects Jharkhand to Haldia (Kolkata), which is the last destination of NW-1, Haldia is well connected to all the major port based trade routes globally



Countries with
Immediate
Port Access

✓ Australia

✓ Indonesia

✓ Cambodia

✓ South Africa

✓ Thailand

✓ Singapore

✓ China

✓ Vietnam

✓ Malaysia

✓ Philippines



Recently Launched Policies – Key Incentives

- Capital Investment Subsidy of 20% of investments with a ceiling of Rs. 50 Cr.
- Interest subsidy up to Rs. 1 Cr.
- Employment Generation Subsidy of Rs. 5,000 per month per worker for 7 yr.
- Government land on installments
- VAT, Stamp Duty reimbursement
- Special incentives for development of Mega & other Textile parks

Textile, Apparel & Footwear Policy 2016

- Financial Assistance of 50% up to Rs. 20 Crore for fixed capital investments to developers of auto clusters, vendor parks
- 100% CST concession for 10 years
- VAT Concessions
- Capital and Interest Subsidy for MSME units

Automobile & Auto Component Policy 2016

- 100% reimbursement of stamp duty, registration fee and transfer duty
- Reimbursement of expenses incurred on capital investment, income tax, interest, technology acquisition
- Allotment of government land
- Test facility center
- Creation of 3 ESDM hubs at Ranchi, Jamshedpur and Dhanbad

ESDM Policy 2016

- 100% reimbursement of stamp duty, registration fee and transfer duty
- Reimbursement of income tax, patent filing, provident fund and interest on loan
- VAT/GST reimbursement
- Technology acquisition support
- Permission for three shift operation
- FAR relaxation

IT/ITeS Policy 2016

JIADA

- ▶ No of industrial areas functioning: 28
- ▶ Total Area: 6368 acres
- ▶ No. of working units: 2085

Responsibilities of Industrial Area Development Authorities

- ▶ Proactive in Industrial Development in command districts
- ▶ Continuous assistance to Developed/ under Developed/ Proposed Industrial area
- ▶ Single Point assistance to the entrepreneurs
- ▶ Assistance in providing basic infrastructure amenities, Bank finance etc.

No	Industrial Area	Key industries
1	Palamu-Garhwa	Mineral & chemical based industries
2	Lohardaga	Aluminum industries, power plants
3	Koderma-Hazaribagh	Mica based industries, power plant, glass, alloy steels, cement, refractory
4	Ranchi	MSME, IT & ITES, food processing
5	Dhanbad-Bokaro	Coal industrial area, steel, refractories, coal based power plants
6	Singbhum	Iron & steel, auto components, cement, horticulture, food processing, silk & textile and IT/ITES
7	Ghatshila	Copper and Forest based Industries
8	Deoghar	Glass, steel, aromatic medicinal plant, coal based power plant, silk textile industries, food processing

Committed to Reform Power Sector

- First State to sign UDAY MoU (5th Jan'16)
- Amongst first to unveil “24X7 Power for All” roadmap

Development Targets

- ▶ Target of 100% village electrification by Dec'2016 and 100% Household electrification by Mar'2018
- ▶ ~22,500MW of power generation projects under various stages of development
- ▶ Encouraging IPPs with an option to sell 25% of installed generation capacity to State.

Investment Opportunities in Conventional Energy

Power Generation

- ▶ Two upcoming 4,000MW UMPPs in Tilaiya and Deoghar
- ▶ 4,000MW NTPC and GoJ (JBVNL) Joint Venture projects at Patratu
- ▶ Future coal blocks/ coal linkage opportunities

Power Transmission

- ▶ Transmission systems worth ~Rs.3,000 Cr. proposed to be developed under PPP route.
- ▶ EPC opportunities of worth ~Rs.9,000 Cr.

Power Distribution

- ▶ Appointment of billing agencies for Urja Mitra
- ▶ Nearly 246 new PSS to be commissioned capacity from 3,818MVA to 7,412 MVA
- ▶ Planned investment of Rs.14,000 Cr.

Note: 1)MW – Mega Watt 2) IPP- Independent Power Producer 3)UMPPS- Ultra Mega Power Projects 4) JBVNL- Jharkhand Bijli Vitaran Nigam Ltd.

5)EPC- Engineering Procurement Contract 6)PSS- Power Supply Systems 7) MVA – Mega Volt Amp

Energy Sector in Jharkhand

Investment Opportunities in Non-conventional Energy



Solar



Wind



Waste to Energy



Small Hydro

- ▶ Setting up of 1,200 MW Solar PV Power Projects in the State including 100% Power PPAs with State Discom
- ▶ Implementation of DDG projects for off-grid electrification of 409 un-electrified villages
- ▶ Distribution of 3,20,000 Solar LED study lamps
- ▶ Installation of 2,400 solar water pumping systems on farmers lands.
- ▶ Setting up of Grid Connected Rooftop Solar Power Plants on government building (10 MW), individual roofs (50 MW), commercial & industrial establishments(15 MW).
- ▶ 126 MW Small Hydel projects to be developed

Healthcare Opportunities in Jharkhand

Investment Opportunities

Medico City, Itki, Ranchi

- ✓ 100 acres of land parcel, to house Medical College, Super-specialty Hospital, Nursing & Paramedical Institute, Diagnostic Center and Laboratories on PPP mode

Other opportunities Setting up of

- ✓ Super speciality hospitals
- ✓ Dialysis Centre at all Medical Colleges & District Hospitals
- ✓ Central Bio Medical Waste Disposal Unit, Centralized Sterilization Drugs & Consumables : Supply and Setting up of Manufacturing Plants, as Jharkhand adopted “Free Drug Policy” in 2015

Fiscal Incentives for establishing Medical College

- ✓ 20, 25, 30 crores grant for Medical College with 50 seats, 100 seats, 150 seats respectively
- ✓ Many other Fiscal and Administrative Initiatives

Successful PPP Projects

Schemes / Services	PPP Partner
Pathological Diagnostics Services	SRL & Medal Healthcare
Radiological Diagnostics Services	Healthmap Diagnostics Pvt. Ltd.
‘104’ - Health Information Help Line	Piramal Swasthya Research Institute Hyderabad,
‘108’ - Emergency Ambulance Services	Ziqitza Health Care Ltd.

Higher, Technical Education & Skill Development

A Conducive Climate for Educational Institutions

Indicator	Jharkhand	India
Higher Education		
Gross Enrollment Ratio (Lakhs)	13.1	23.0
College per Lakh Population	8	26
Technical Education		
Engineering College density	1 per 20 Lakhs	1 per 7.7 Lakhs
Polytechnic College Density	1 per 11 Lakhs	1 per 3 Lakhs

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.

Key Opportunities

Higher Education

- ▶ Opening New Universities
- ▶ Setting up of Wi-Fi campuses and Digital library in all universities
- ▶ Setting up of Industry promoted Centre of Excellences
- ▶ Establishing campuses of Foreign universities/technical institutions

Technical Education

- ▶ Opening New Engineering / Polytechnic colleges
- ▶ Management of colleges on PPP mode
- ▶ Development of COEs and t-SDIs for Skill Development

Skill Development

- ▶ Forging partnership for Skill Development Centers in existing institutions
- ▶ Setting up of 50 Mega Skill Development Centres
- ▶ Setting up of Entrepreneurship Development Fund (EDF)

Investment Opportunities

Smart City - Ranchi

- ✓ 341 acres Encumbrance free contiguous land parcel
 - Transit Oriented Development (TOD) plan
 - FSI up to 4 and 35% ground coverage along main corridor
 - In close proximity from City centre, Hatia Railway Station, Birsa Munda Airport
 - Metrorail corridor & transit oriented hub are proposed



Other Opportunities

- ✓ Investment opportunities include:
 - Convention Centre and Urban Tower in Ranchi
 - Jharkhand Urban Planning & Management Institute, Ranchi
 - Bus Terminal cum Commercial Complex in Dhanbad
 - Light Metro
 - Large market complex in Jamshedpur

Note: 1) ISBT: Interstate Bus Terminal

5 Domestic & 2 international Road Shows Conducted So Far

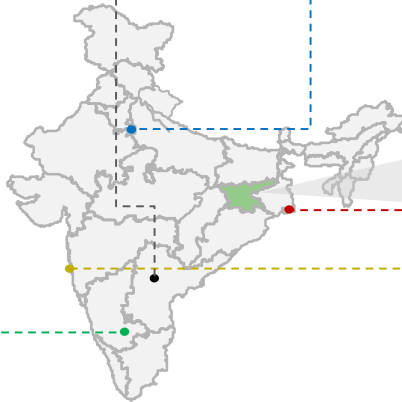
Bangalore
19 Jul 2016

Hyderabad
20 Jul 2016

Delhi
4 Aug 2016

Kolkata
19 Aug 2016

Mumbai
20 Sep 2016



25th Sep to 1st Oct 2016



Las Vegas, San Francisco, San Jose, New York & New Jersey

30th Nov to 2nd Dec 2016



China

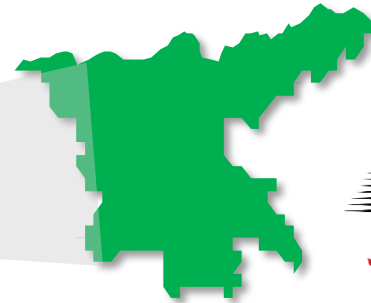
21st Dec to 24th Dec 2016



Singapore

GIS 2017

Ranchi, 16th & 17th February 2017



**MOMENTUM
JHARKHAND**

State of Jharkhand welcomes you to participate in the GIS 2017 in Ranchi, witness the reformative measures, a pro-business environment and be a part of its growth story

Thank You

