



ELECTRONIC SYSTEM

Design and Manufacturing in Jharkhand



Single Window

www.advantage.jharkhand.gov.in

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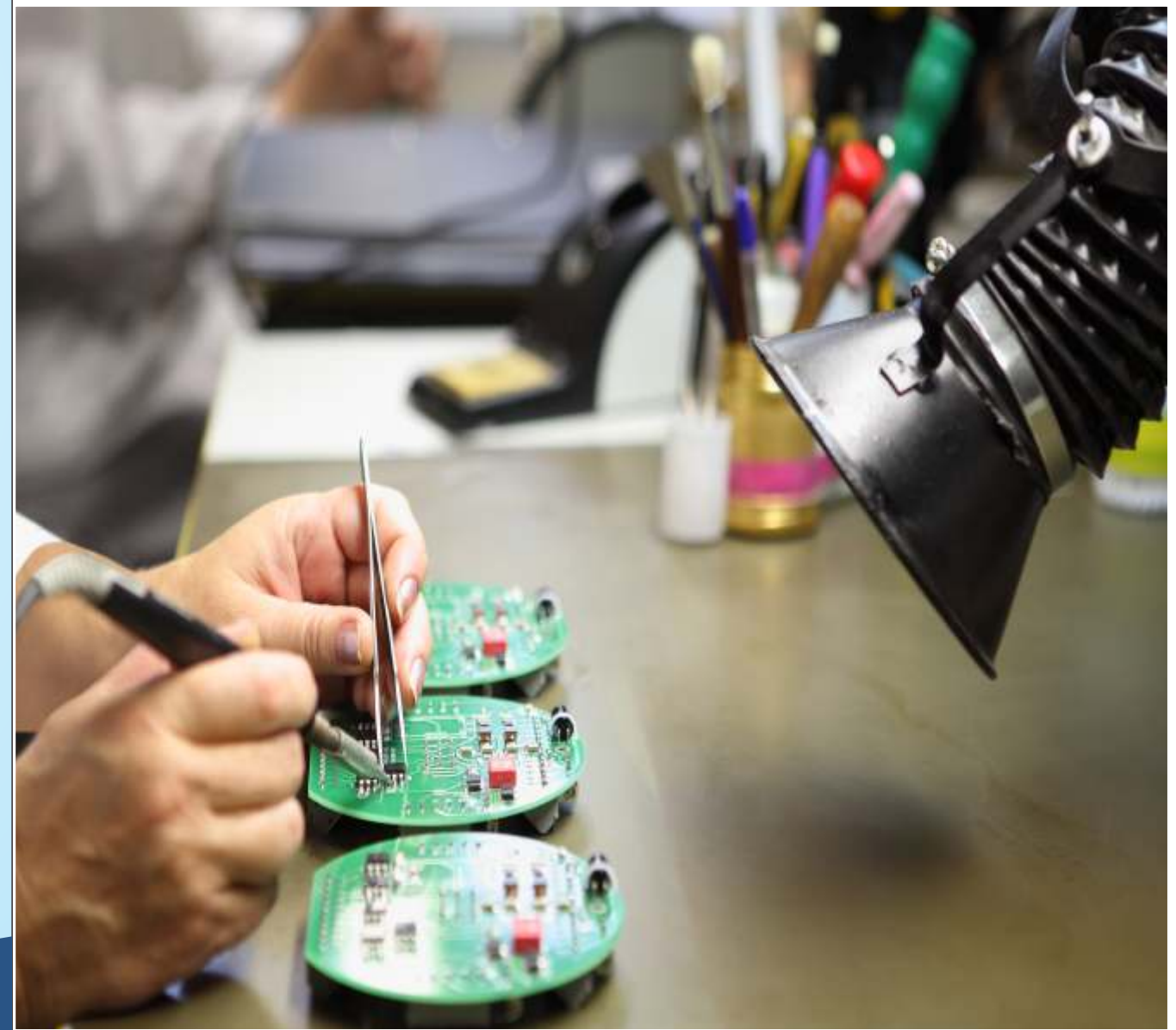
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Advantage Jharkhand



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 Iron ore, coal, Uranium, Mica)
- ✓ Man days lost due to industrial strife lowest in India & Long history of industrial harmony^[2]
- ✓ 1stn 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

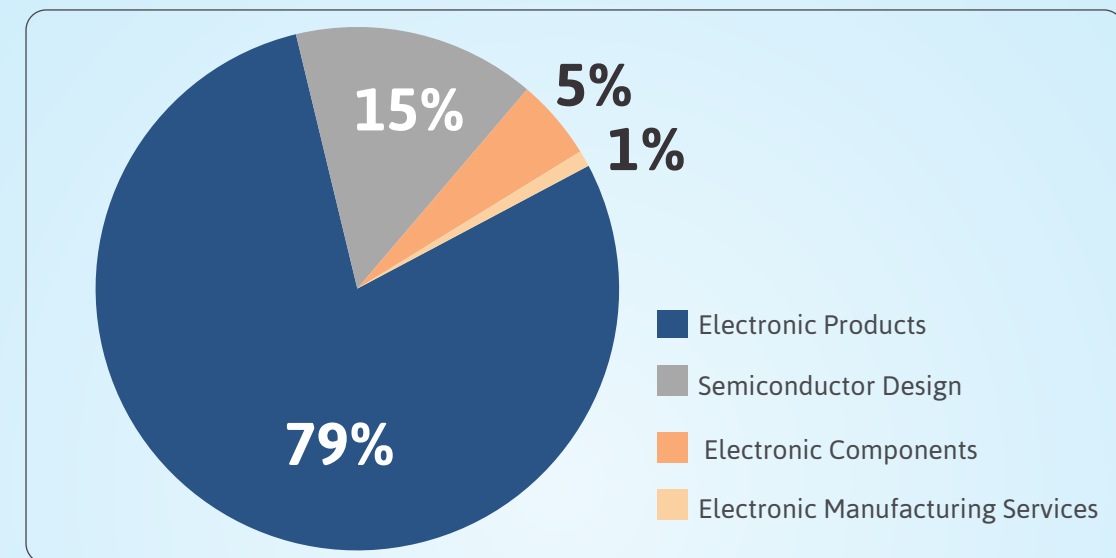
- ✓ Ranked 7th in "Ease of Doing Business" in India in 2016 with an evaluation score of 96.57%^[7]

[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

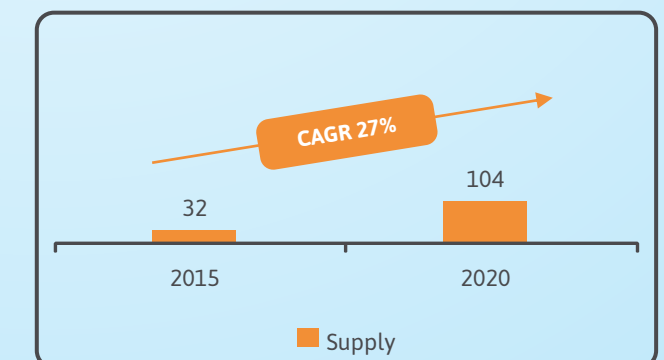
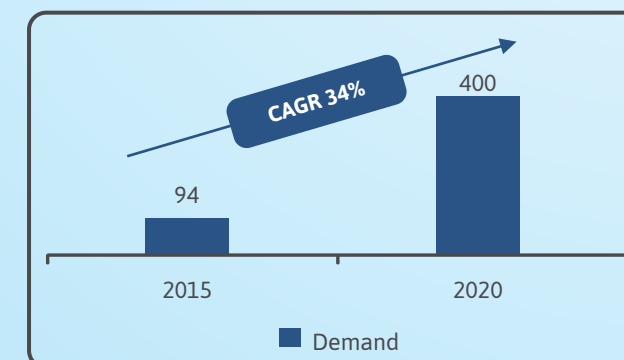
[5] CAGR during 2004-05 to 2014-15
 [6] Source: FDI Intelligence Survey
 [7] World Bank Report

ESDM: India Scenario

Composition of ESDM market - India



- Electronic System Design and Manufacturing (ESDM) is the fastest growing segment of the Information and Communications Technology (ICT) sector
- With market size of US\$94 billion in 2015, the Indian ESDM market is among the largest ESDM market in the world
- The market is expected to reach US\$400 billion by 2020, representing a CAGR of 34%
- There is expected supply gap of US\$296 billion by 2020. This gap offers an unique opportunity for ESDM companies to consider India their next R&D and manufacturing destination
- Realizing the potential of ESDM sector, National Policy on Electronics (NPE) proposes setting up over 200 electronic manufacturing clusters
- 100% FDI allowed under automatic route in ESDM sector



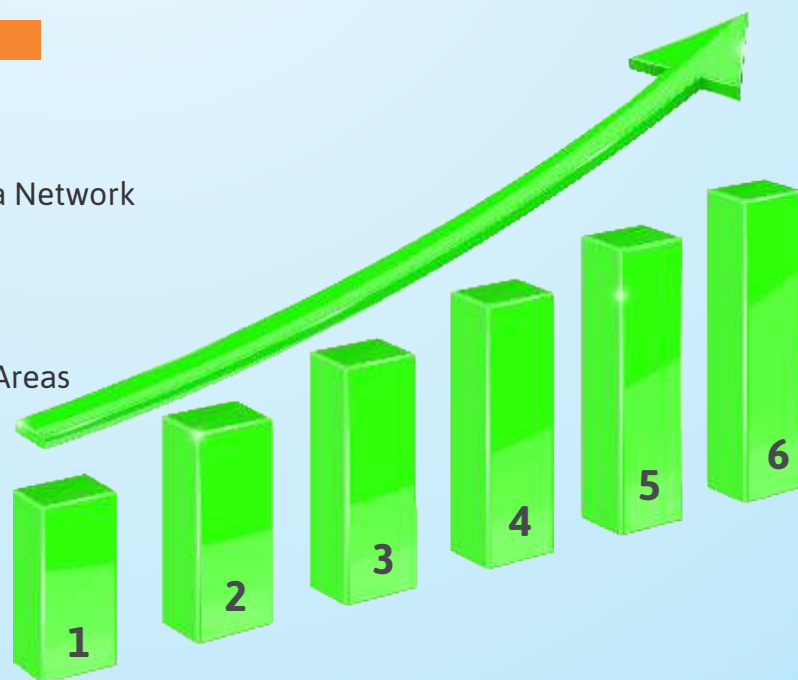
Source: IBEF, Ministry of Electronics & Information Technology

ESDM: Jharkhand Scenario

- Jharkhand strongly promotes ESDM sector
- Dedicated ESDM Policy to promote ESDM in the state
- Participates in Gol's schemes for the sector
- Front runner for promoting Digital India, Electronics Manufacturing Clusters Scheme, Smart Cities Mission and Other National Schemes
- Promoting Make in Jharkhand initiative
- Electronic manufacturing clusters at Adityapur to provide state-of-the-art infrastructure
- Various Financial incentives offered under ESDM Policy, Start up Policy
- Numerous concessions including land concessions, tax reimbursements, capital subsidy and interest subsidy

Growth Drivers of ESDM in the Jharkhand

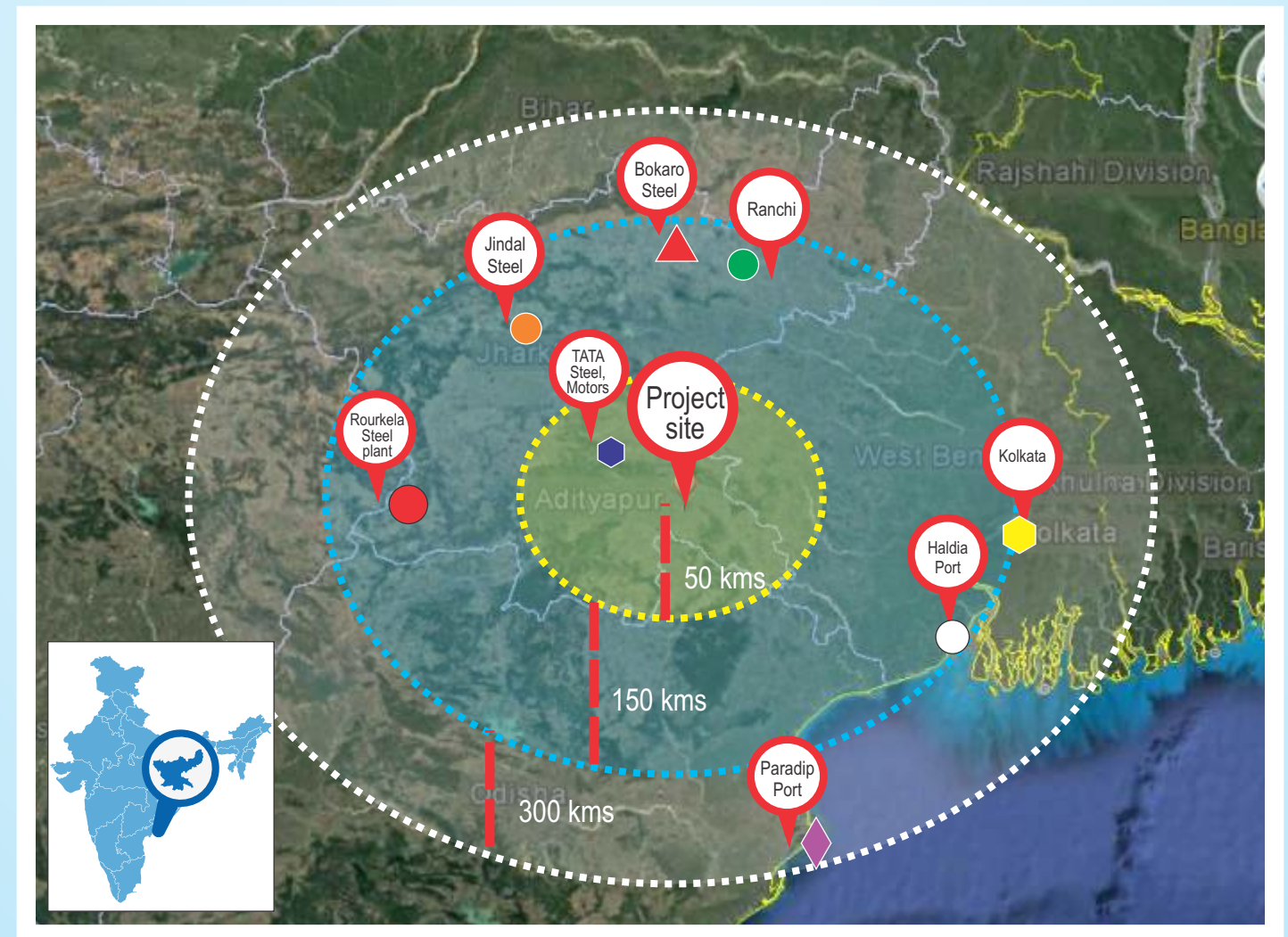
- 1 E-Governance Initiatives
- 2 Implementation of State Wide Area Network
- 3 Availability of Skilled Manpower
- 4 Penetration of IT services in Rural Areas
- 5 Lucrative Policy Incentives
- 6 Available Market



Opportunities:

Electronic Manufacturing Cluster at Adityapur

- Adityapur – Part of **Jamshedpur Urban Agglomeration**
- Adityapur Industrial Area (AIA) of around 3000 acres
- The Industrial area **houses around 800 active Medium and small scale industries**
- AIA caters to large industries in Jamshedpur and Adityapur like Tata Steel, Tata Motors and Usha Martin etc.



Salient Features of EMC- Adityapur

- 1

Land of **82.49 acres** offered for the project is owned by AIADA

- EMC is a part of integrated township of 234 acres which houses IT/ITes Park, STPI along with other supporting facilities and infrastructure.

2

- 3

The estimated infrastructure development cost of EMC is around **Rs. 1350 million of which Government of India will fund Rs. 414.8 million. Remaining to be funded through private investors and State Govt.**

- State of art Support infrastructure (both physical & social)

4

- 5

Central & state incentives can be availed by industrial units in ESDM sector

- Anchor tenants to be offered equity stake in the project subject to maximum of 25% in SPV for smooth operations of the project.

6

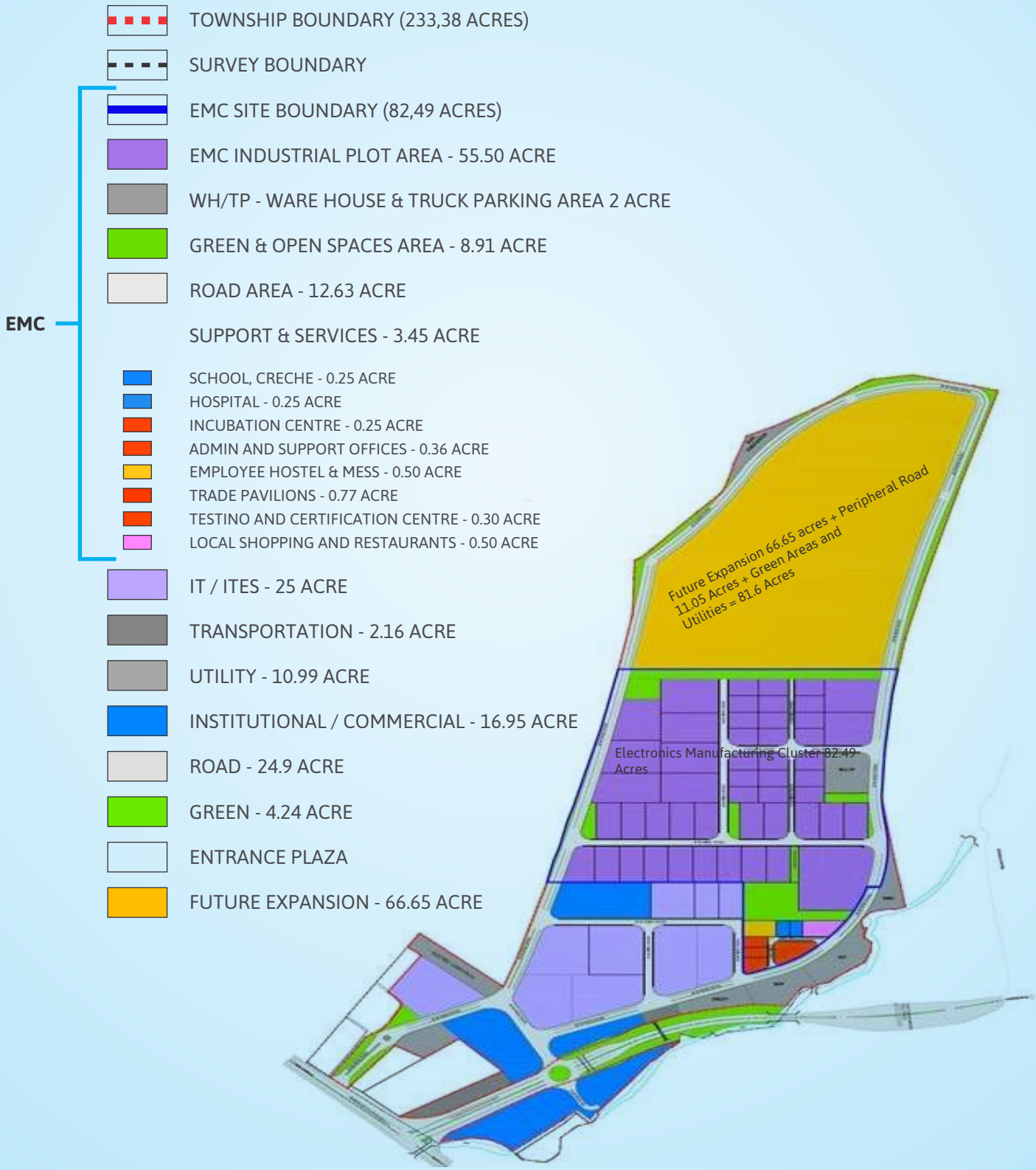
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Availability of quality & skilled manpower in Adityapur/ Jamshedpur/ catchment area

- Captive demand for **automotive electronics** product due to presence of Tata motors and other ancillary units











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Proposed Master Plan of Integrated Development



Master plan of Electronic Manufacturing Cluster

Legend

-  SITE BOUNDARY (82.59 ACRES)
-  A1 - A21 INDUSTRIAL PLOTS OF 0.5 ACRE EACH
-  B1 - B22 INDUSTRIAL PLOTS OF 1 ACRE EACH
-  C1 - C10 INDUSTRIAL PLOTS 2 ACRE EACH
- SALEABLE AREA - 53.93 ACRE
-  GREEN & OPEN SPACES AREA - 8.46 ACRE
-  SUPPORT & SERVICES - 5.68 ACRE
- WAREHOUSING / TRUCK TERMINAL - 2.0 ACRE
- SCHOOL / CRECHE - 0.25 ACRE
- HOSPITAL - 0.25 ACRE
- INCUBATION CENTRE - 0.25 ACRE
- ADMIN AND SUPPORT OFFICES - 0.28 ACRE
- EMPLOYEE HOSTEL & MESS - 0.83 ACRE
- TRADE PAVILIONS - 0.97 ACRE
- TESTING AND CERTIFICATION CENTRE - 0.39 ACRE
- LOCAL SHOPPING AND RESTAURANTS - 0.46 ACRE
-  ROAD AREA - 14.52 ACRE
-  Industrial Plots to be leased out directly by AIADA - 48.5 Acres
-  Area to be given to SPV for development 7 acres
-  Common Facilities through DBFOT - 5 Acres

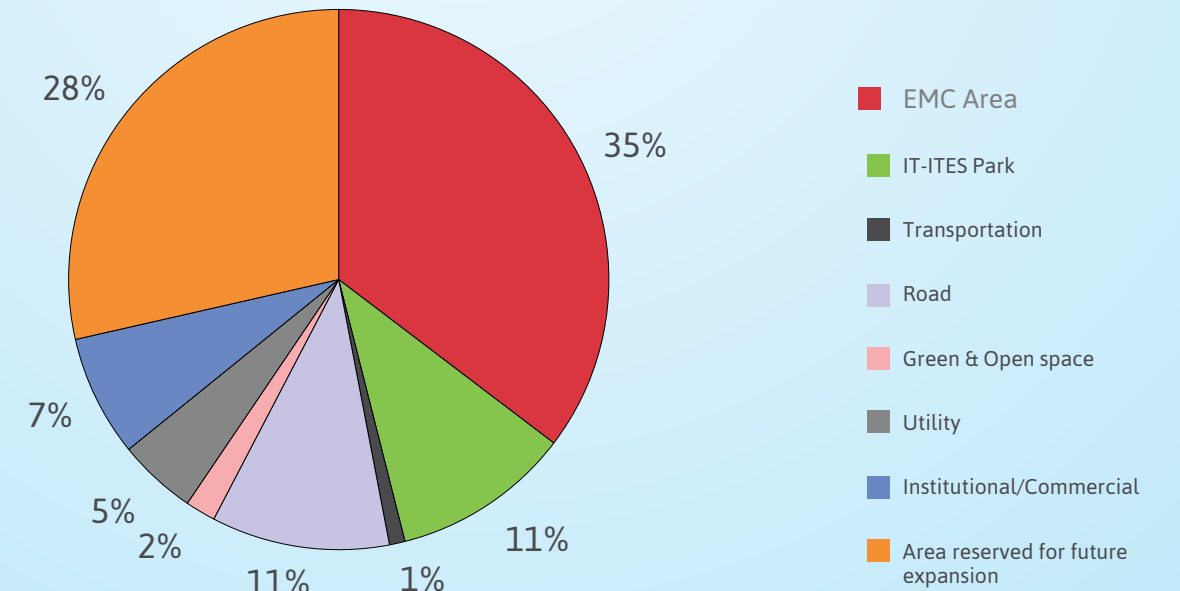


Land Area Distribution

Area Statement of Integrated Electronic Manufacturing Cluster

Sl. No	Land use	Area In Acre
1	EMC Area	82.49
2	IT-ITES Park	25.00
3	Transportation	2.16
4	Road	24.90
5	Green & Open space	4.24
6	Utility	10.99
7	Institutional / Commercial	16.95
8	Area reserved for future expansion	66.65
	Total	233.38

Total Area-233.38 Acres



As approved by Government of Jharkhand

Industries and Facilities at EMC-Adityapur

Sectors	Type of Industries	Products
Electronic Components	Industrial Electronics	Circuit board, Inverters , Energy Meters, Solar panels
	LEDLights /Fixtures	CFL Lights, LED Lights
	Consumer Electronics	TV's (LCD & LED), Home Appliances, Set-top Boxex, Digital Camera, Flat Panel Display etc.
	Automotive Electronics	Electronic brake distribution, Traction control, 2W ignition, 4 W ignition, Digital Instrument (Speedometers), Car Stereo, Anti-lock braking system
	Power Electronics	Diodes, Thyristors, Transistors

Supporting project components for EMC at Adityapur

Basic Services	Essential Services	Welfare Services
<ul style="list-style-type: none"> Entrance plaza Internal roads Storm water drainage Street Lighting 	<ul style="list-style-type: none"> Water supply network with WTP Sewerage collection system with STP Truck terminal & warehousing Electric distribution with power backup Waste disposal & management 	<ul style="list-style-type: none"> Employee hostel & mess Health centre Creche/nursery Local shopping center Park and Recreational Facility
Support Services	Manufacturing Services	Government regulatory support/services
<ul style="list-style-type: none"> Incubation centre Trade pavilion Training Facility Auditorium Video Conferencing IT Infrastructure Tool Room 	<ul style="list-style-type: none"> Flatted factory Testing & certification centre 	<ul style="list-style-type: none"> Development commissioner/designated officer for custom clearance Tax Support Labour Compliance Pollution Control AIADA Administration Office

The State of Art Architecture



Incubation Centre & Testing Lab



Trade Pavilion



Employee's Hostel



Primary Health Centre

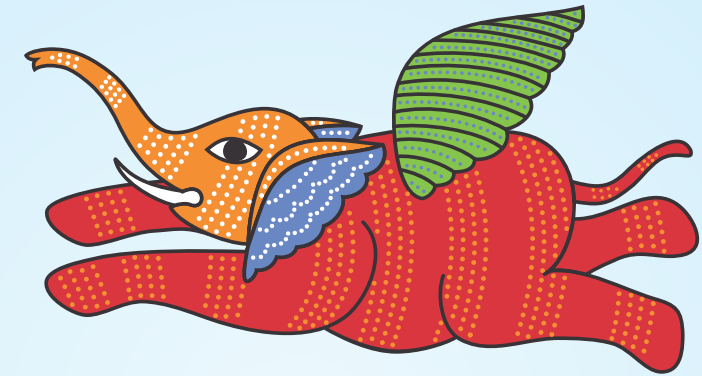


School/Creche



Shopping Center

Notes:



MOMENTUM **JHARKHAND**

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