



India as a Global destination is accelerating



Fastest growing major economy in the World

(forecast to surpass Germany as 3rd largest economy by 2028)

In the midst of a social & economic revolution.

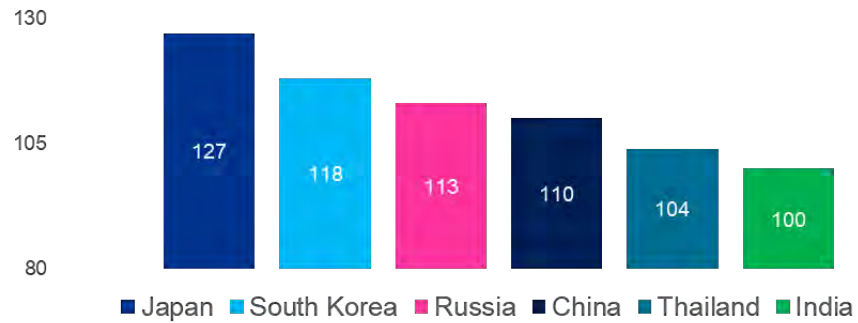
Voice of global south.

Slated to reap the benefits of the innovation & **one of the largest consumer markets in the world**

...and at the forefront of the **India's growth Story is Andhra Pradesh**

India is Forerunner for all manufacturing investments

Direct Manufacturing Cost Index relative to India among Asian countries



India has amongst the **lowest direct manufacturing costs** among the world's 25 top exporting economies

While India's wage growth nearly matched the productivity growth during the decade, China witnessed a 4X rise in wages compared to productivity over the same period

With rising household incomes and consumption patterns, coupled with lowest direct manufacturing costs, **India is at the cusp of a manufacturing revolution**

80%

Growth in consumer spending by 2030 (Reach USD 4.3 Trillion)

30%

Rise in income levels by 2030

60%

Rise in exports by 2030 (Reach USD 1 Trillion)



AP's Vision for the Future Swarnandhra Vision 2047

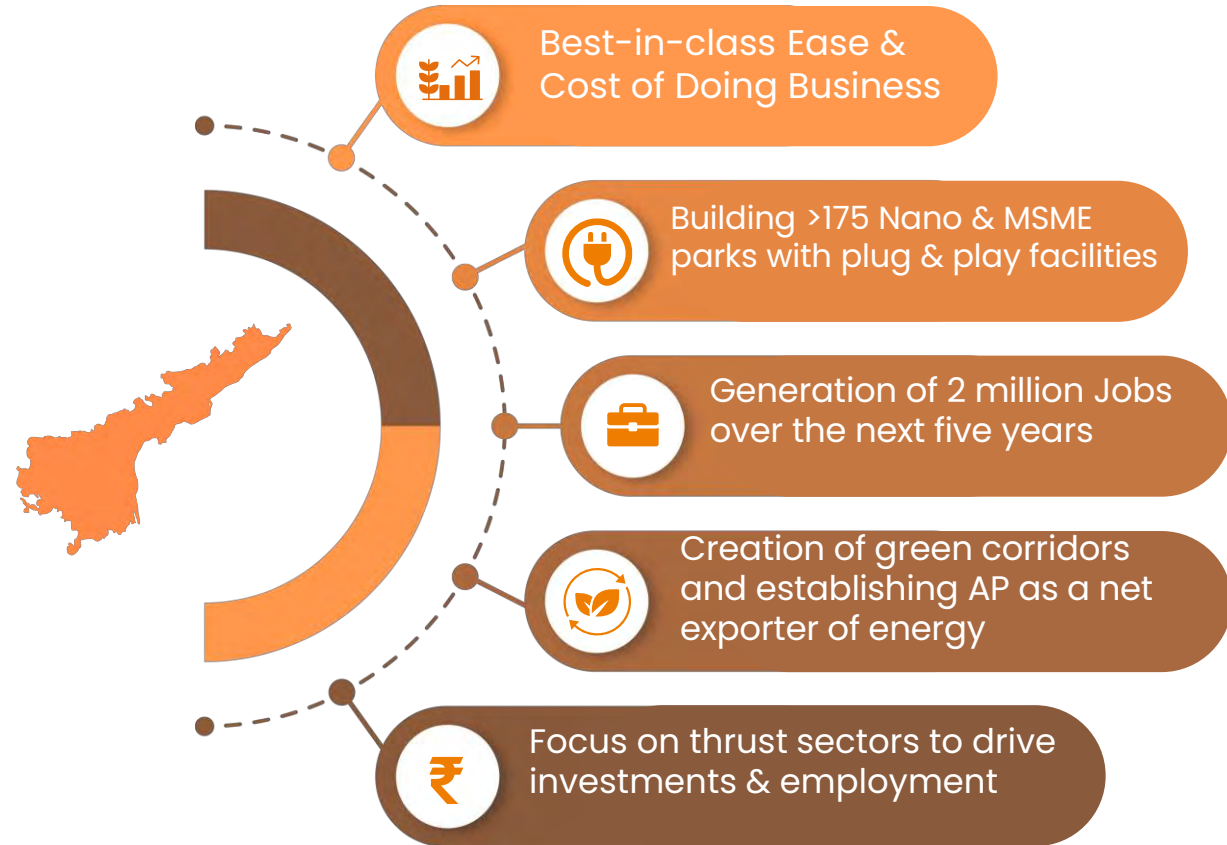


VISION

To turn Andhra Pradesh into a
\$2.4 trillion economy by 2047

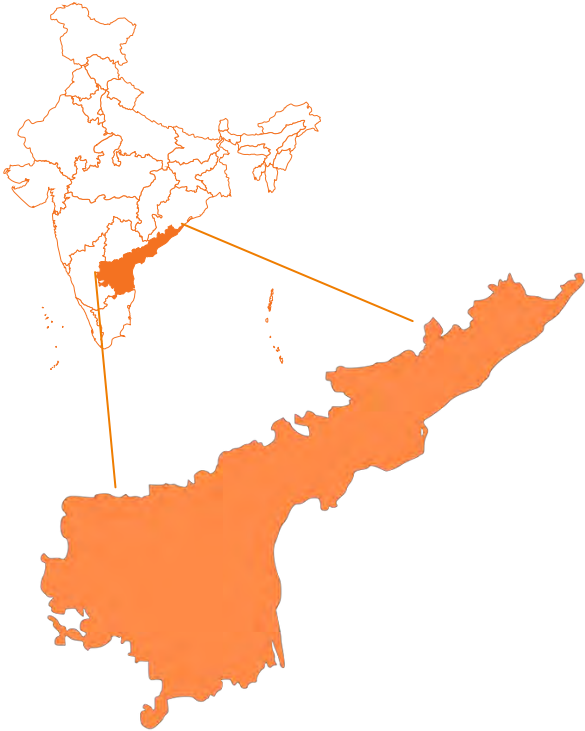


Target 15% annual growth
rate of GSDP



Andhra Pradesh

Top-Ranked State on Growth, Governance & Infrastructure Readiness



4% of India's population
54 Million of working age.



15 ports being developed (6 exist)
India's Gateway to the east



8th largest state of India with
13% of India's coastline



12 airports being
developed (7 exist)



\$ 166 Bn. GSDP
with 11% growth rate FY'24



40,000+ acres of pre-
cleared industrial land



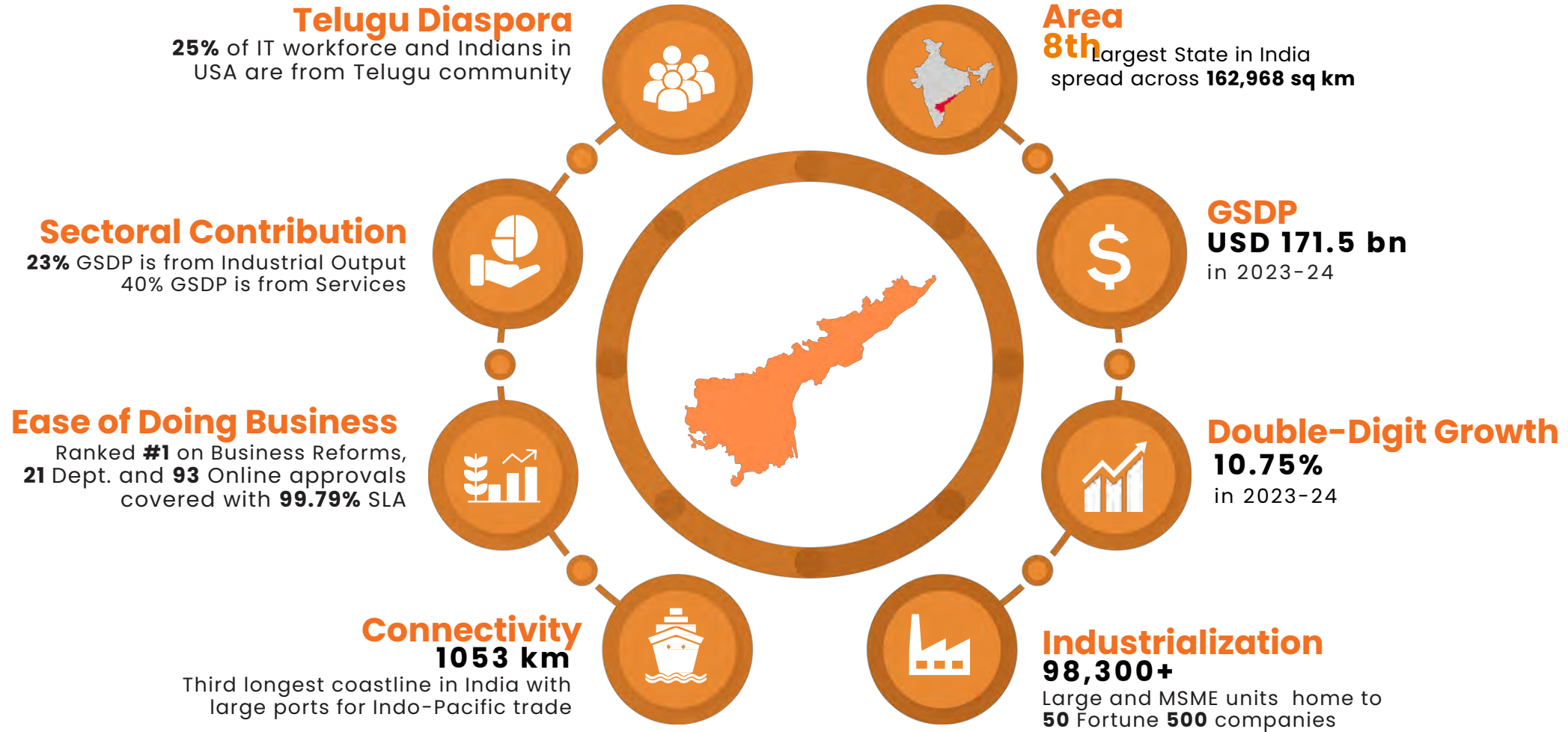
Water security with access
to Krishna–Godavari basins
+ desalination



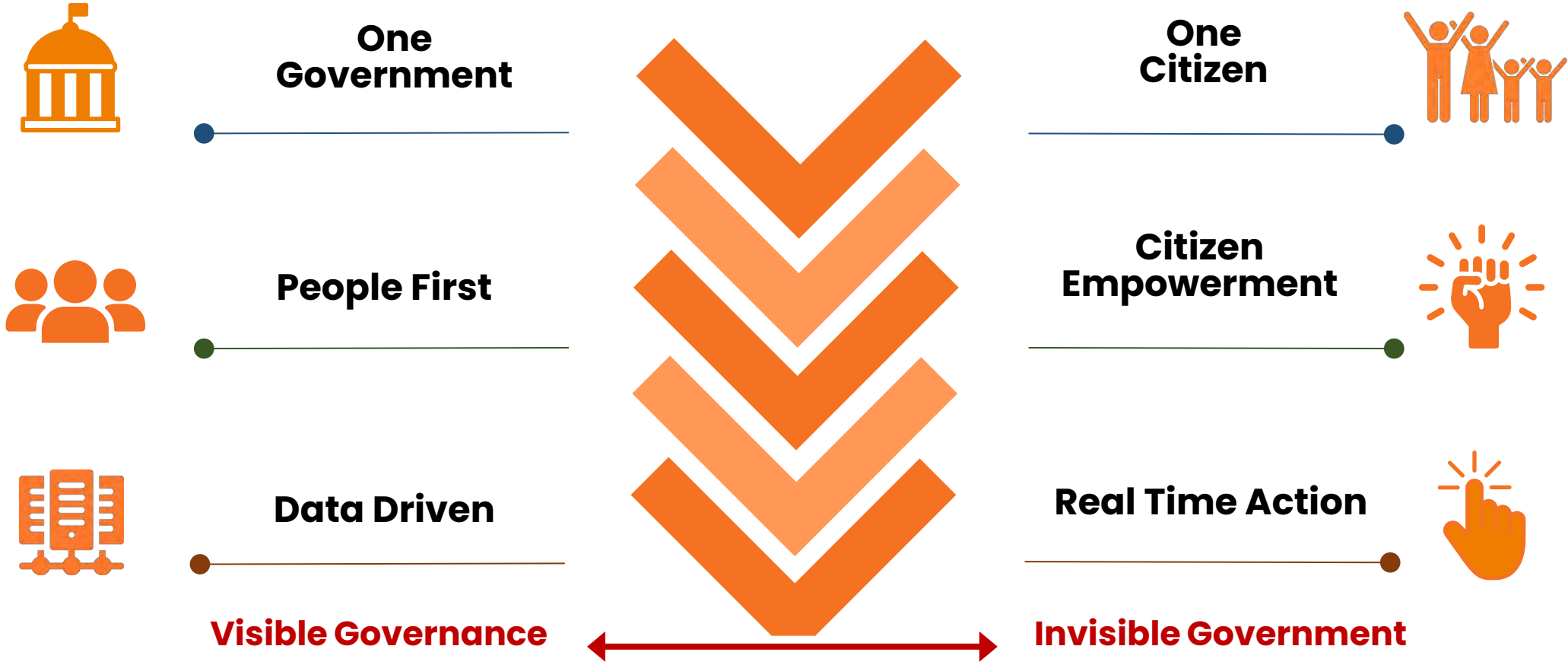
24×7 power supply with INR
6.6/kWh industrial tariff (220 kV)



Andhra Pradesh – Powering Industrialization



Real Time Governance at the CORE of the State Government



Many key initiatives taken up to introduce transparency & good governance

OUTCOMES



**People
First**



**Good
Governance**

TECHNOLOGY



IoT



AI



**WhatsApp
Governance**



Drones

DATA



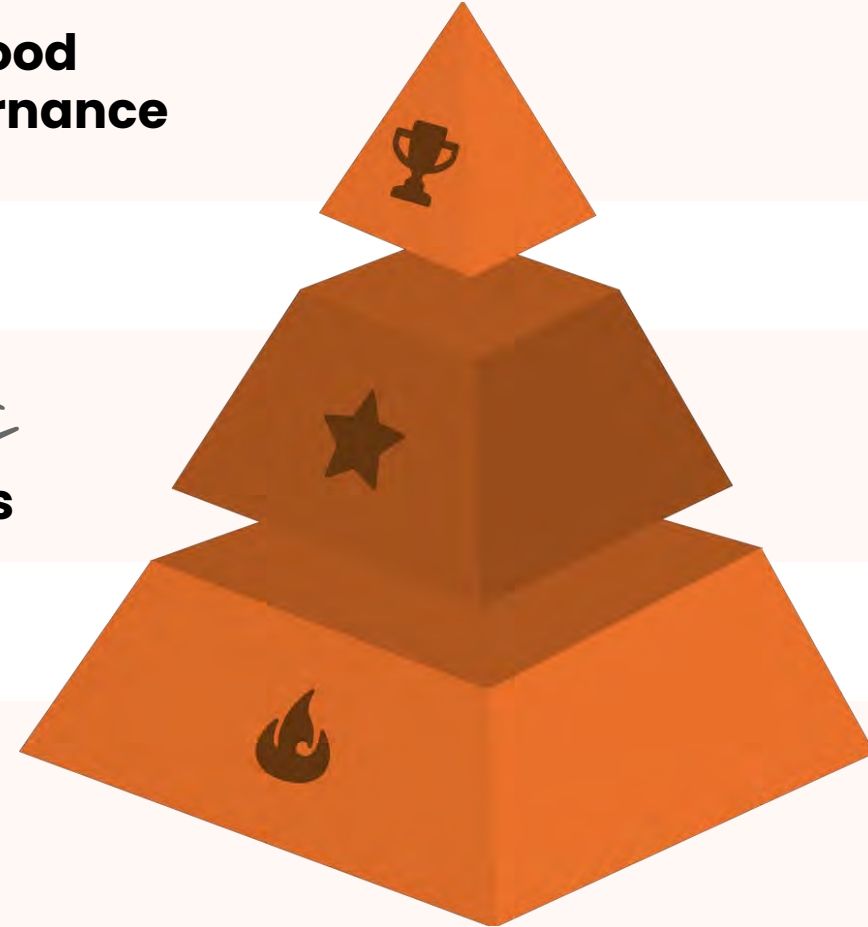
People



Land



Data Hub



ROBUST CONNECTIVITY INFRASTRUCTURE

Investors can easily plug into AP's well-established logistic network connected by land, air, and sea



- 5,046 km railway network connecting both urban and rural areas.
- 463 stations, with major hubs at Vijayawada, Visakhapatnam, and Tirupati.
- Integrated with South Central, South Coast, East Coast, and South Western Railway zones.

Recent Projects:

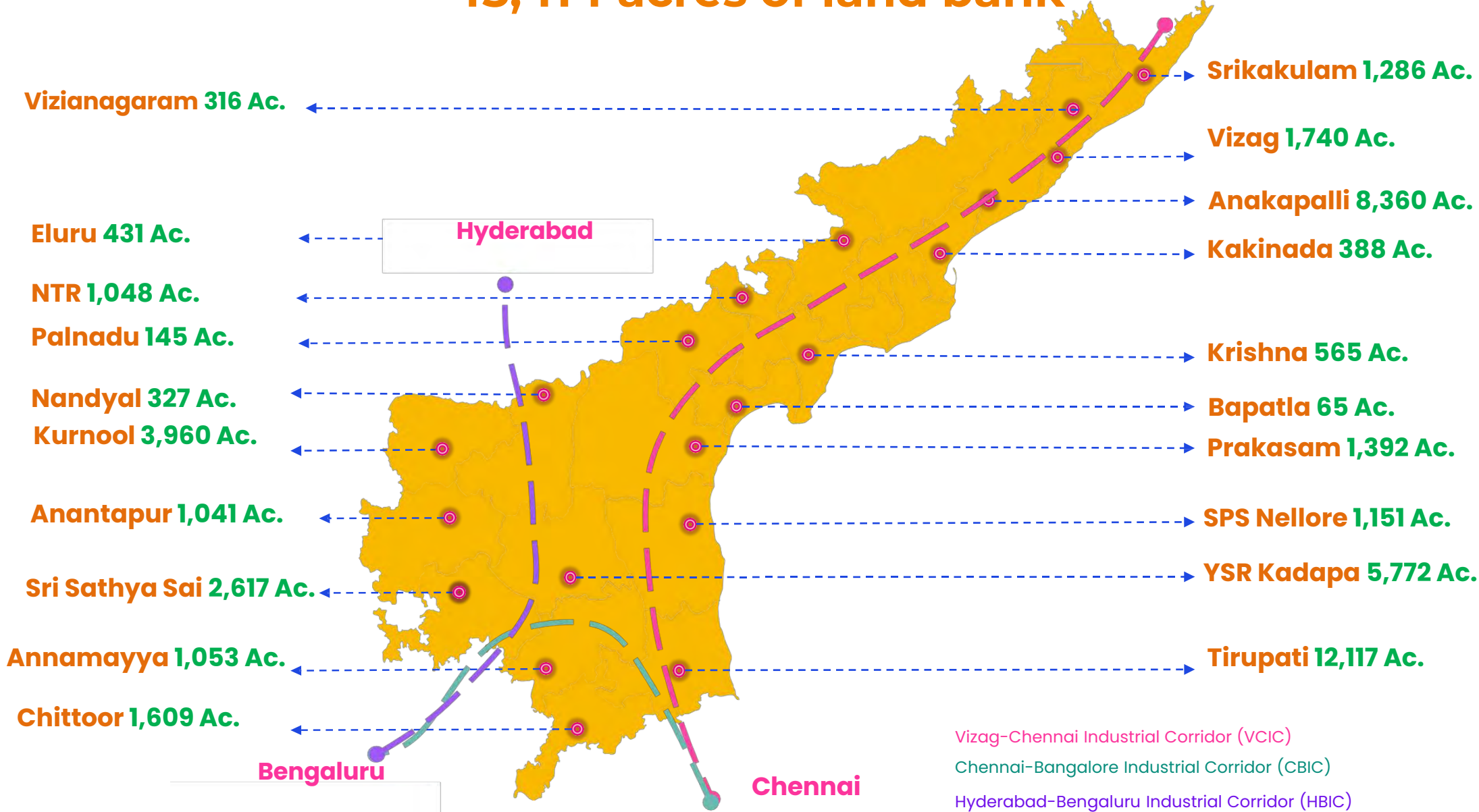
₹547 crore worth of upgrades were launched in 2025.



- 1.2 Lakh + Km road network
- 40+ National Highways passing through the state
- Green Highway connecting Krishnapatnam port with Chennai port
- 100+ Km of exposure to Bangalore-Chennai expressway



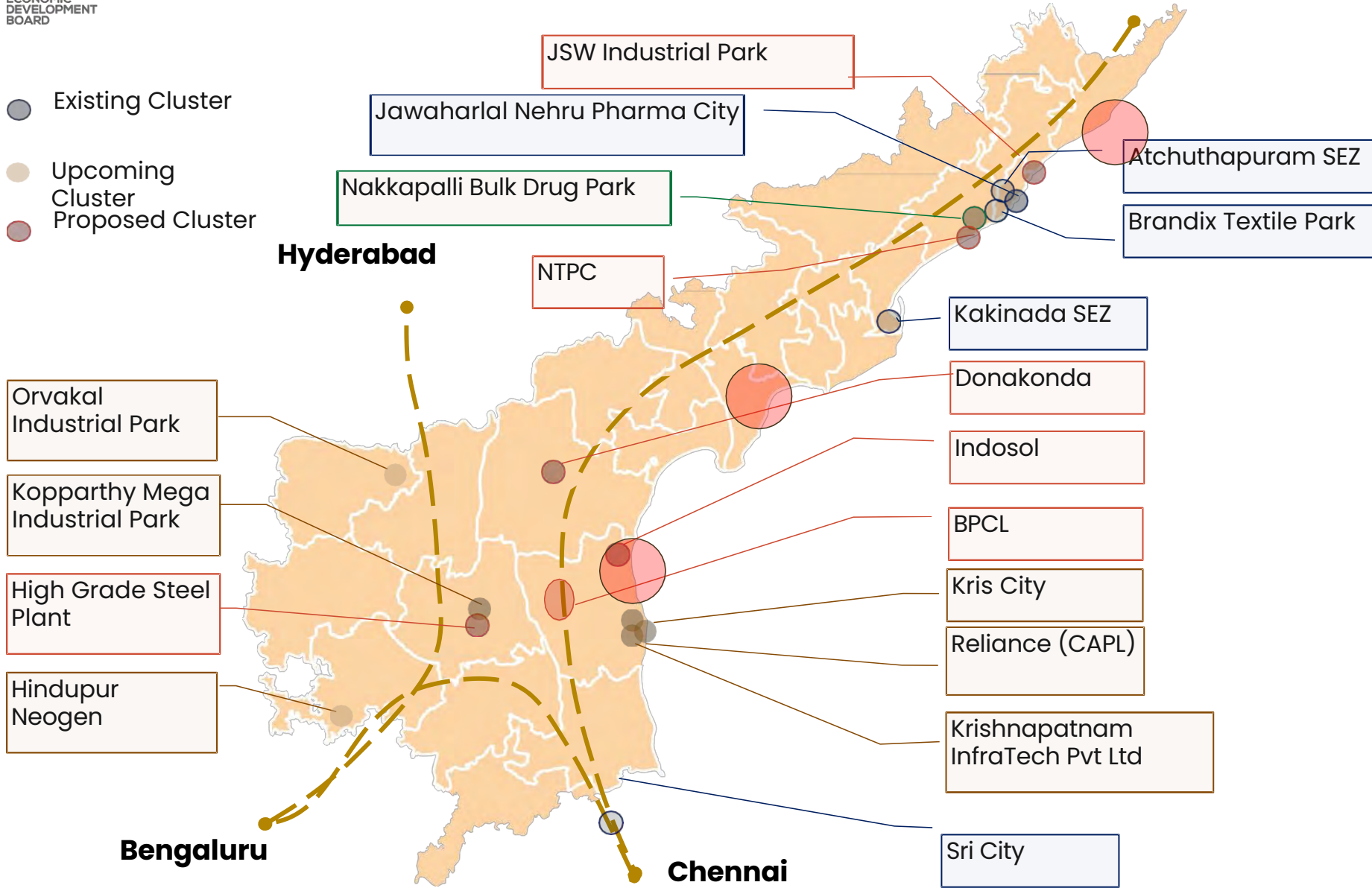
State with 3 Industrial Corridors, across 45,414 acres of land bank



Clusters identified to achieve short term objective of AP vision



- Existing Cluster
- Upcoming Cluster
- Proposed Cluster



12 Districts, 25 Clusters

- SKLM:** Mulapeta & Chemical cluster
- VZNM:** JSW Industrial Park
- VZG:** AMTZ.
- AKP:** Atchuthapuram, Nakkapalli, NTPC Green Hub, Brandix cluster and AP Bulk Drug Park, JN pharma city.
- KND:** KSEZ Cluster
- KSN:** Machilipatnam cluster
- ONG:** Donakonda cluster
- SSS:** KIA Cluster, Raheja
- KPD:** Kopparthi Cluster, JSW Steel
- KNL:** Orvakal cluster
- NLR:** KRISCITY, Refinery Cluster, Indosol, Reliance CAPL, Krishnapatnam Infra
- CTR:** Punganur (EV Cluster), Sri City

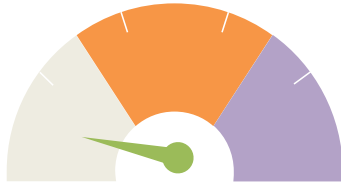
Covering ~70,000 Acre



Speedy Approval Mechanism

Andhra Pradesh envisions a transformative business ecosystem where speed, efficiency, and innovation drive economic growth, **reducing time at every stage of the business lifecycle—Pre-establishment, Pre-operation/Construction, and During Operations**

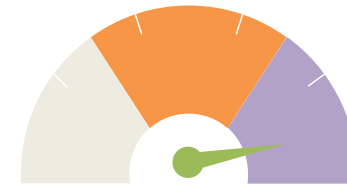
Pre-establishment



Pre-Operation / Construction



During Operation



Instant Approvals: Revolutionizing the entry process with on-the-spot clearances for permits, basis Self-Certification

Provisional Approval: Providing swift approvals, allowing businesses to move forward with confidence, pending final verification

Deemed Approval: If verifications face delays, businesses are empowered to proceed without hindrance, ensuring momentum is never lost

***"Speed of Doing Business"* as the critical need of the business ecosystem**






Perpetual Licenses: Licenses valid indefinitely until revoked, eliminating periodic renewals.

The "Speed of Doing Business" initiative is a promise-making Andhra Pradesh the place where businesses can dream big, move fast, and turn ambition into reality



INTERVENTIONS FOR SPEED OF DOING BUSINESS



01 	02 	03 	04 	05 
Single Window Mechanism 2.0 <ul style="list-style-type: none"> • Eliminate multiple single desks of multiple departments • More services and more depts on one portal 	Dedicated Investment Facilitation Cell – EDB 2.0 <ul style="list-style-type: none"> • Dedicated liaison officers' assistance in follow-up and tracking of approval status to bring down pendency delays 	Assistance to Foreign Investors <ul style="list-style-type: none"> • Handholding services in the form of local information and expertise 	Integrated Data Management System <ul style="list-style-type: none"> • Streamlined and integrated tracking mechanism for quick decision making & resolution • SLA based enforcement 	Re-engineering of Regulatory Processes & Procedures <ul style="list-style-type: none"> • Increase Renewal frequency of licenses • Self-certification without compromise on Safety requirements



Our Speed in facilitating investments



LG planned to setup a unit for manufacturing Refrigerator, AC and Washing Machine along with components like Compressor, Heat Exchanger etc.

LG Electronics **Speed of Execution**

Plant Location	Sri City
Total Investment	INR 5,001 Cr (USD 602 Million)
Total Employment	More than 3,000 (Direct & Indirect)
Total area	247 acres
Category	Ultra Mega Project under IDP Policy 4.0
Target	Air-conditioners production by Dec, 2026

*Discussion initiated with GoAP
(June, 2024)*

*1st round of Site visit
(July, 2024)*

*2nd round of site visits
(August, 2024)*

*Finalized of site
(September, 2024)*

**Submitted Wishlist of
support required
(October, 2024)**

*Government Order Issued
(October, 2024)*

**Ground Breaking
May, 2025**

**Proposed AC production
(December, 2026)**

LG chose Andhra Pradesh primarily due to Speed of doing business facilitated by the government as well as lower cost of doing business facilitated due to industry ready infrastructure



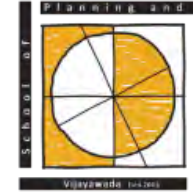
Institutes of Higher Education in Andhra Pradesh



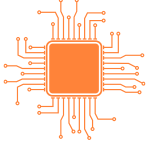
- Andhra Pradesh is home to
 - 3 central universities,
 - 20 Central Autonomous Institutions,
 - 25 state universities,
 - 4 deemed universities, and
 - 5 private universities
- 100+ Engineering & 300+ diploma colleges.



AP State Skill Development Corporation provides Industry specific customized skill development programs to meet the Industry requirements.



An enabling Policy environment is in place to promote Hi-tech Industry



AP – Semiconductor and
Display Fab Policy (4.0)



AP – Electronics Manufacturing
Policy (4.0) 2024-29



AP – Drone Policy (4.0)



AP – Integrated Clean
Energy Policy



AP – Sustainable Electric
Mobility Policy (4.0)



AP – New Industrial
Development Policy (4.0)



AP – Information Technology
(IT) & Global Capability
Centers(GCC) Policy (4.0)
2024 -2029



AP – Data Center Policy (4.0)



AP – Policy for Establishment
of Private Industrial Parks
with "Plug & Play" Industrial
Infrastructure (4.0)



AP – Innovation & Startup Policy



AP – Maritime Policy 2024



AP – MSME & Entrepreneur
Development Policy (4.0)



Activities of existing electronics companies in Andhra Pradesh

Electronic Assemblies & Gadgets

- Assembling electrical & electronics products
- Assembly of electronic gadgets
- Mobile Phones, Smartphones, tablets, TVs
- LED TVs assembly

Electronic Security and Components

- CCTV & IP Cameras
- DVR and Security Electronics
- Cables and Conductors

Computer & Media Components Manufacturing

- Compact Discs
- Computer Floppies & Cassettes
- Computer Parts & Spares

Energy and Power Components

Solar Products

- Solar PV Cells & Modules
- Assembling solar Products

Battery Technology

- Dry cell batteries
- Battery packs for EVs
- Extraction of Lithium Ion from used batteries

Manufacturing Electrical Machinery & Panels

- Electric Motor Manufacturing
- Panel Boards Production

Mobile & Smart Device Assembly

- Mobile Phones
- Smartphones
- Television Sets
- Tablets

Summary of Manufacturing Scope

- Diverse Assembly Lines
- Advanced Extractive Processes
- Integrated Product manufacturing



ACTIVITIES OF EXISTING ELECTRONICS COMPANIES IN AP

Electronic Assemblies and Gadgets

- ✓ Assembling electrical & electronics products
- ✓ Assembly of electronic gadgets
- ✓ Mobile phones, smartphones, tablets, TVs
- ✓ LED TVs assembly

Electronic Security and Components

- ✓ CCTV & IP Cameras
- ✓ Cables and Conductors
- ✓ DVR and Security Electronics

Computer & Media Components Manufacturing

- ✓ Compact Discs
- ✓ Computer Parts & Spares
- ✓ Computer Floppies & Cassettes

Summary of Manufacturing Scope

Diverse Assembly Lines
From gadgets to energy solutions

Advanced Extractive Processes
Lithium ion recovery innovation

Integrated Product Manufacturing
Covering cables, motors, and panels



Energy and Power Components

Solar Products

- ✓ Solar PV cells and modules
- ✓ Assembling solar products

Battery Technology

- ✓ Dry cell batteries
- ✓ Battery packs for electric vehicles
- ✓ Extraction of lithium ion from used batteries

Manufacturing Electrical Machinery & Panels

- ✓ Electric Motor Manufacturing
- ✓ Panel Boards Production

Mobile & Smart Device Assembly

- ✓ Mobile Phones
- ✓ Television Sets
- ✓ Smartphones
- ✓ Tablets

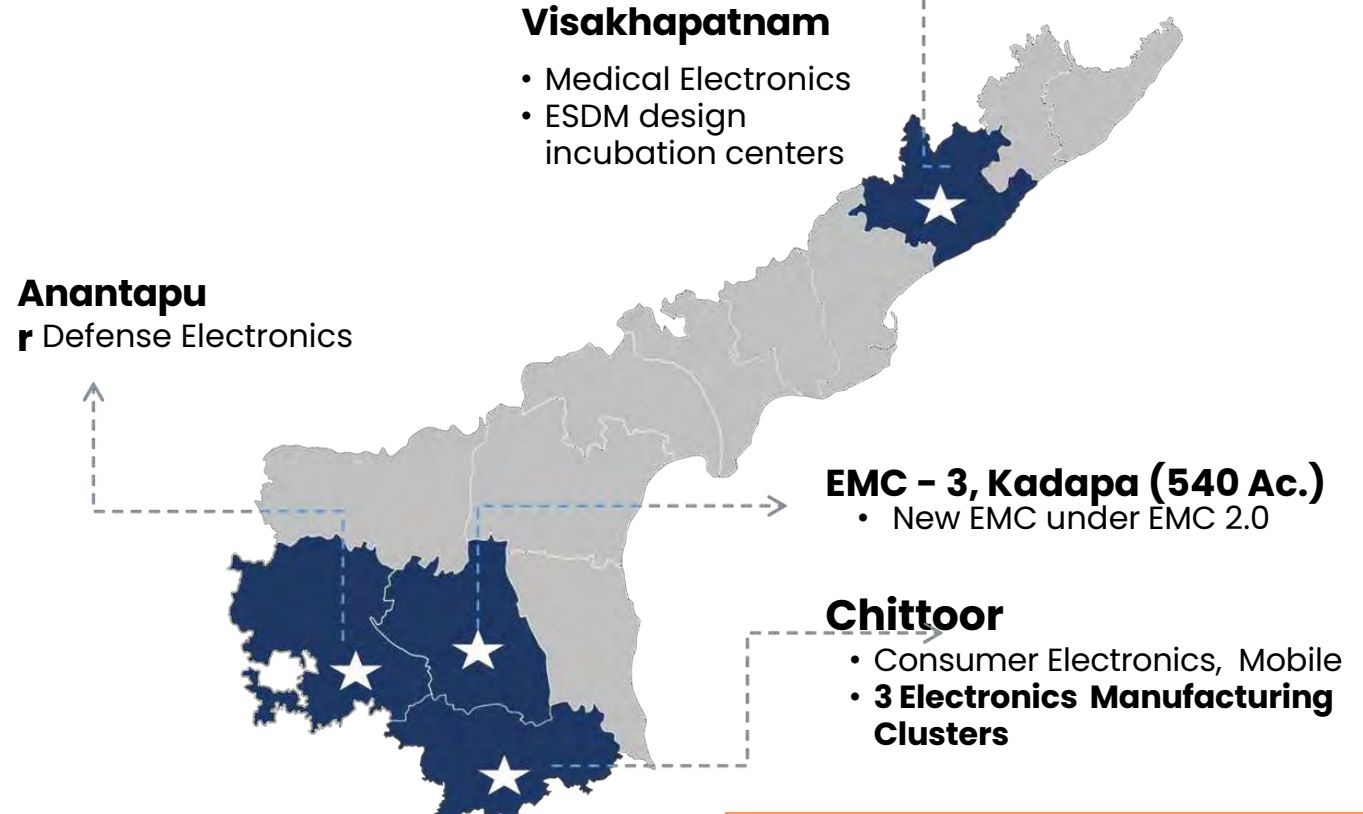


Snapshot of ESDM Sector in AP



Employing more than 40,000+, AP has a strong ESDM ecosystem across the value chain

Mobile Components	
Consumer Electronics	
Batteries & Display	
Communication and Solar Cells	
Defense & MedTech	



- World's #1 OEM and ODM firms manufacture in AP
- 3 existing EMCs and 3 upcoming EMCs to attract Electronics investments
- 11% CAGR from FY 2011-12 to FY 2023-24

- Lowest cost of doing business vis-à-vis leading industrial states
- 25% lower Labour Cost
- 2x cheaper Land Prices
- 20% cheaper Power Cost



Sricity – Bright Spot of Asia



Total No of Companies

210



No of Countries

28



No of companies
Operational

140



No of companies
Under Construction/Approvals

70



Avg Time Frame

9-12

Months



Total Investment

USD 4 Billion



Total Employment

60,000



Total Exports

USD 2 Billion

(SEZ + DTZ)



Sricity – Bright Spot of Asia



Blue Star



'Sri City attracting air-conditioning majors'
Key players in the heating, ventilation and air conditioning (HVAC) solutions have committed to invest ₹3,820 crore over a period of time and provide jobs to more than 9,300 people
Published - January 06, 2024 08:53 pm IST - C

Panasonic



DAIKIN FG



DAIKIN Device



It is estimated that by 2027, close to 50% of air conditioners produced in India will originate from Sri City. This ambitious forecast underscores the Sri City's rapid evolution into a central hub for HVAC manufacturing, he said.



DAIKIN AIRCONDITIONING INDIA PVT. LTD.

NSSI



Havells



OJI



Tirupati Cluster



**50,000+
Potential
Employment**



★ **USD 2 Billion +
Potential Investment**

Electronics Manufacturing Clusters, Tirupati

Extent



**12 acres of dedicated land
for EMC**

Nearest Cities

Chennai	130 km
Kadapa	145 km
Bangalore	262 km

Connectivity

Strategically Located

	Tirupati Airport	1 Km
	Krishnapatnam Port	122 Km
	Chennai Port	134 Km
	Sricity	76 Km

Project Highlights



Strategically located in between three industrial corridors like VCIC, BCIC and HBIC



A vibrant ecosystem with a strong presence of value chain for Mobile and TV manufacturing



First Factory in India making Camera Modules, Display Panels and Lithium Ion Cells



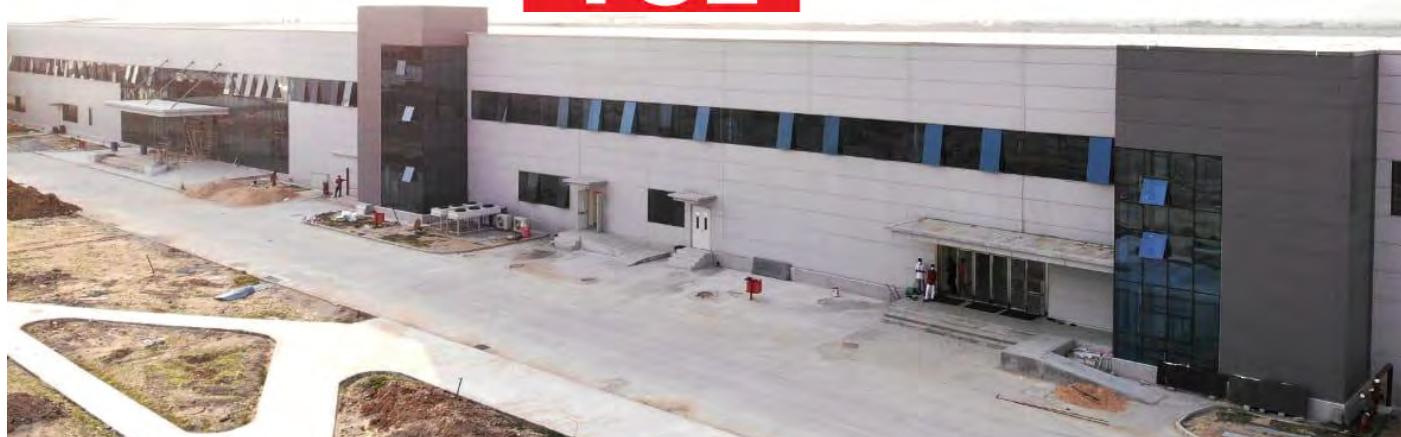
EMC 1, Tirupati



EMC 2, Tirupati



TCL



EMC, Kopparthy



3500+
Potential
Employment



★ **USD 1 Billion +**
Potential Investment

YSR EMC, Kopparthy, Kadapa District

Land Available



**540 acres of dedicated
land for EMC**

Nearest Cities




Tirupati	148 km
Bangalore	244 km
Chennai	260 km

Connectivity

Strategically Located

	Kadapa Airport	6 Km
	Krishnapatnam Port	200 Km
	Chennai Port	260 Km
	National Highway NH 716	11 Km

Project Highlights

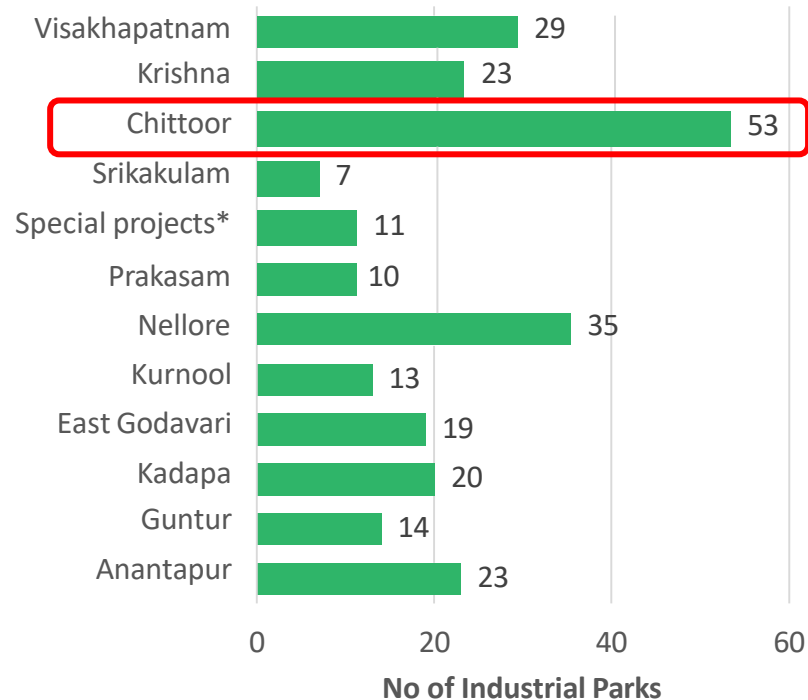
-  Strategically located in between three industrial corridors like VCIC, BCIC and HBIC
-  Adjacent to the upcoming Mega Industrial park in an extent of 6,914 acres
-  Cargo terminal & conveyor system proposed to link Kadapa airport and YSR EMC



The state has an abundance of land banks for industrial development. It has identified **3 lakh acres** and is further in the process of consolidating an additional industrial land bank of approximately **7 lakh acres**. The consolidated land bank of 10 lakh acres would give the state a strategic edge in attracting investments

	300 industrial parks
	15 SPVs and JVs with private sector for industrial parks development
	3 growth centres
	10 special economic zones

District Wise Industrial Parks of APIIC

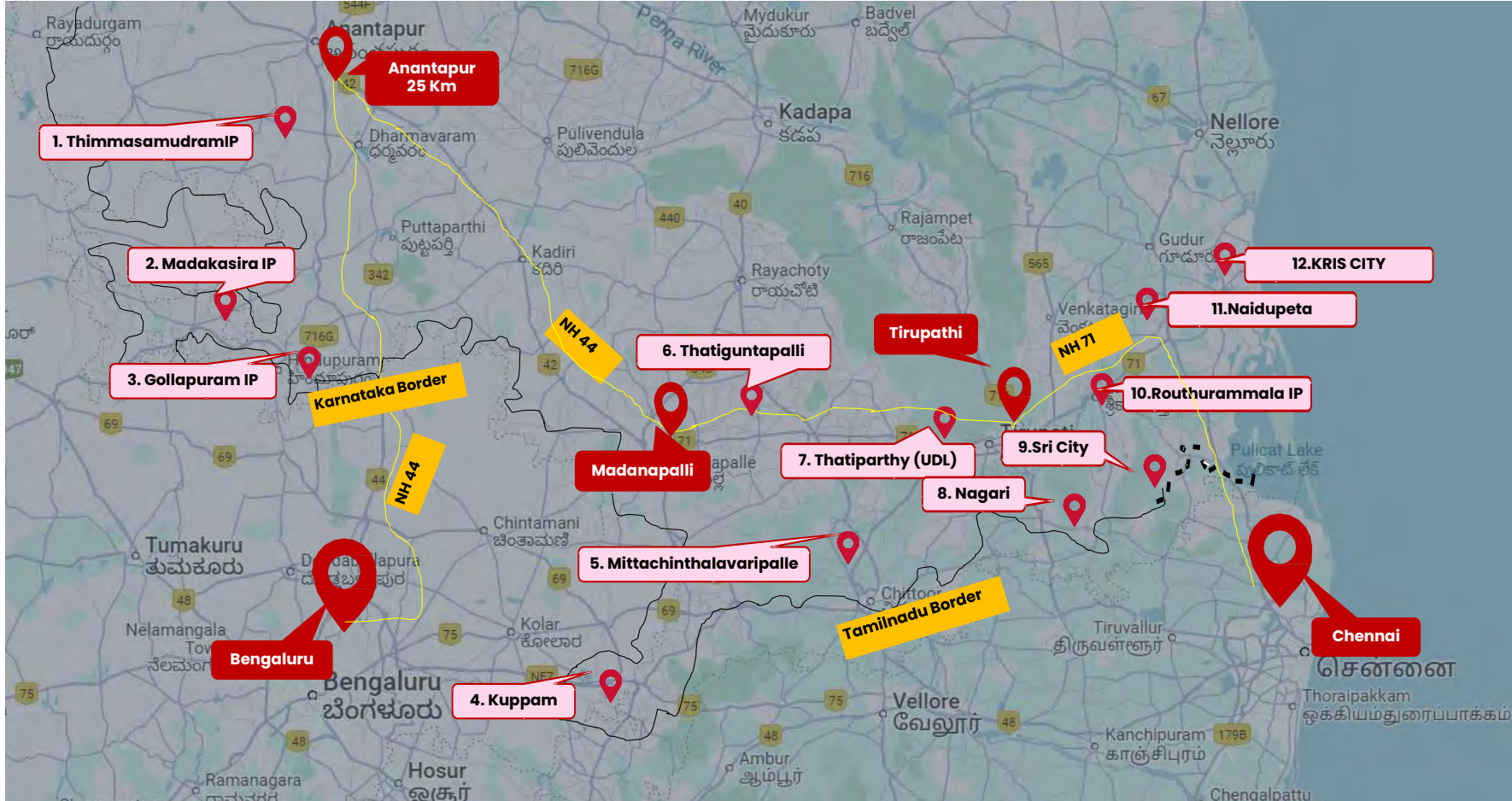


• The APIIC has over 300 (across various stages) industrial parks in the state spread over 43,233.57 acres

• ~90,000 Acres of land is being developed as industrial nodes under VCIC & CBIC



Readily available industrial parks (12) close to Chennai & Bengaluru



- A total of **12 potential Industrial Parks** hold strategic importance due to their connectivity to **Bangalore and Chennai**.
- Thimmasamudram, Madakasira, Gollapuram, Thatiguntapalli are **well connected to Bangalore**
- Kuppam, Thatiparthi, Nagari, Sri City, Routhurammala, Naidupeta, KRIS City are **well connected to Chennai**
- **Kuppam** is **strategically positioned in the middle** of both **Chennai and Bangalore** and is **well connected to both cities**.



Readily available industrial parks close to Chennai & Bengaluru

S.No	Industrial park	Distance from Narasapura, Kolar, Karnataka	Distance from Narasapura, Kolar, Karnataka	Distance from Bangalore Airport
01	Kuppam	80 km (1:30 hrs)	88 km (1:35 hrs)	120 km (2:00 hrs)
02	Gollapuram	115 km (02:30 hrs)	100 km (2:15 hrs)	85 km (1:30 hrs)
03	Thatiguntapalli	130 km (2:45 hrs)	120 km (2:40 hrs)	150 km (3:00 hrs)
04	Madakasira	159 km (3:00 hrs)	150 km (2:30 hrs)	140 km (2:40 hrs)
05	Thimmasamudram	220 km (3:40 hrs)	217 km (3:30 hrs)	200 km (3:15 hrs)
S.No	Industrial park	Distance from Krishnagiri - Hosur	Distance from Chengalpattu - Mahindra world city	Distance from Chennai Airport
01	Mittachinthalaripalle	-	150 km (3:15 hrs)	145 km (3:00 hrs)
02	Thatiparthi (UDL)	-	160 km (3:30 hrs)	127 km (2:30 hrs)
03	Nagari	-	100 km (2:15 hrs)	100 km (2:00 hrs)
04	Sri city	-	120 km (2:30 hrs)	87 km (1:45 hrs)
05	Routhusuramala	-	160 km (3:15 hrs)	127 km (3:00 hrs)
06	Naidupeta	-	150 km (3:00 hrs)	120 km (2:45 hrs)
07	KRIS City	-	220 km (3:45 hrs)	190 km (3:15 hrs)



Private Industrial Park: Sector Overview

Key Enablers

47

Special Economic
Zones

3

Industrial Corridors

2.8 Lakh

Man-power trained
annually

25 GW

Electricity Generation
Capacity

Existing Infrastructure

JN Pharma City (Visakhapatnam) 2400 Acres

JV between Ramky Group and APIIC. Consists of 104 Bulk Drug, Chemical, and Allied Manufacturing units

Auro Industrial City (KSEZ, Kakinada) 5,600 Acres

Multi-sector industrial area integrated with port facilities, offering both SEZ and Domestic Tariff Area (DTA) zones

Brandix India Apparel City (Visakhapatnam) 1,000 Acres

Textile Park with Integrated Manufacturing, Logistics and Employee Housing

Sri City (Nellore) 7,780 Acres

Multi-product SEZ with DTZ, FTWZ, and an Electronics Cluster, strategically located on NH-16 with connectivity to Chennai. Home to 190+ companies from 28 countries.

IFFCO Kisan SEZ (Nellore) 2,700 Acres

Wholly owned subsidiary of the Indian Farmers Fertilizer Cooperative Limited (IFFCO), developed as a multi-product SEZ in Nellore, Andhra Pradesh



Competitive Advantages to AP Against Leading Indian States



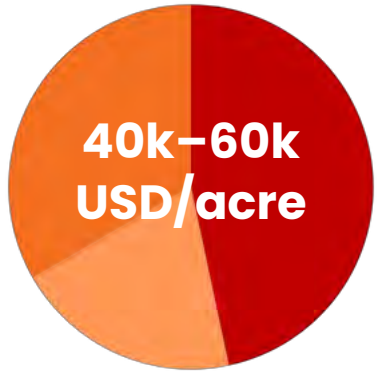
Andhra Pradesh is blessed with abundant natural resources, mineral wealth, and presents a low-risk and easy environment for business to grow.

Competitiveness Factor	Competing States					
	Andhra Pradesh	Gujarat	Uttar Pradesh	Maharashtra	Tamil Nadu	Karnataka
India’s coastline with port connectivity	East	West	–	West	East	West
Ease of Doing Business Ranking	1	5	12	13	15	8
Skilled Labour Wage per day (Rs.)	233.3	322.6	329.2	312.7	241.4	314.94
Average Land Cost (in INR mn)	6.6	19.8	19.7	14	21	17
Industrial Power Tariff Per Unit (Rs./Kwh) factoring demand charges	6.00	8.00	9.04	10.08	8.34	8.43
Pollution index	88	124	111	109	96	89

* Performance of States on Ease of Doing Business by Ministry of Commerce & Industry, Govt. of India and World Bank

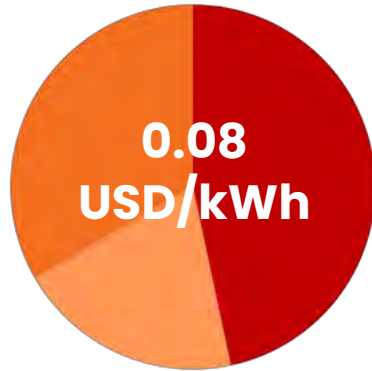


Cost Advantage for Electronics Manufacturing



Industrial Land

Ind Avg - 90k-140k USD/acre



Power Tariff

Ind Avg - 0.08-0.1 USD/kWh



Approval time

Ind Avg - 30-90 days

Parameter	AP	India	China (Benchmark)
Labour Cost Index*	0.65	1.00 (base)	1.00
Plug-and-Play Infra	Available (EMCs)	Partially Available	Rare

Strategic Enablers

- 40,000+ acres of pre-cleared, zoned industrial land
- 15 ports and 6 airports enabling fast import/export cycles
- Competitive industrial power and water security (24×7 availability)
- Proven electronics manufacturing clusters (Foxconn, Dixon, Wingtech operational)

- Dedicated CXO Desk for fast-track clearances and single-window support
- Tailor-made incentives: SGST reimbursement, capex subsidy, tariff waivers
- Seamless connectivity to Bengaluru, Chennai, Hyderabad – talent + supply chain





AP Electronics Manufacturing Policy 4.0 (2024-29)

Strategy for Electronics sector as per policy

Drive Large-Scale Employment & Sustainable Ecosystem in Electronics Manufacturing



**Investments
INR 84,000 Cr**



**Sector GVA USD
50 Bn**



**Employment
5 Lakh**

Focus sub-sectors - IoT | AC | Laptop | TV | Mobile | 5G Communications | Components

Various Incentive categories

Investment Subsidy	Employment Subsidy	Value Addition top-up		Sub-large	30%-35% FCI
Power Subsidy	Net SGST	Recruitment Assistance		Large	35%-40% FCI
				Mega	40%-45% FCI

Speed of Doing Business | Leveraging PLI Schemes | Investment Hand-holding | 12-hrs working shifts |

Walk-to-work and other Social Infra | Skilling Ecosystem | Attractive Incentives Framework



Objective and Approach

Objective of the Policy



- Global manufacturing hub**
- Creating a manufacturing ecosystem for sustainable manufacturing.



- Product value creation**
- Build marquee Global Indian brands



- Green Energy**
- Integration of RE generation units to increase green footprints



- Interlinking of rivers**
- To integrate inland water transportation



- GoI Schemes**
- Complementing national initiatives



- FDI**
- Attract Fortune 500 Companies



- Employment**
- Creating 5 Lakh employments



- AI, IoT**
- Integration with AI, IoT, Block chain etc.,



- Ports**
- Establishing the clusters in proximity of ports



- Domestic value creation**
- Strengthening local value addition

Approach of the Policy



Reduction in the Cost of production



Enabling speed of business



Empowering MSME



Financial Incentives



Targeted Subsectors





Fiscal Incentives - Electronics Policy 4.0

>50-200 Cr	>200-1,000 Cr	>1,000 – 5,000
3 yrs	3 yrs	4 yrs
Sub Large	Large	Mega (Tailor Made Incentives)
Investment Subsidy		
Top-up on Employment/Investment Ratio		
Top-up on Value Addition		
Net SGST Reimbursement		
Power Subsidy		
Stamp Duty		
Recruitment Assistance		

For MSME (0-50 Cr)
Incentives are eligible as per MEDP

4.0

For Ultra Mega (> 5,000 Cr.)
Tailor made incentives

 Fixed cost
 Operating cost



Bouquet of fiscal and non-fiscal benefits to Mega Industries

>50–200 Cr	>200–1,000 Cr	>1,000 – 5,000 Cr
Investment Subsidy		
20% of EFCI – 5 Annual instalments	25% of EFCI – 7 Annual installments	30% of EFCI in 10 annual installments
Top-up on E/I Ratio		
Additional 5% of Investment Subsidy on EFCI, only if E/I ratio is >10	Additional 5% of Investment Subsidy on EFCI, only if E/I ratio is >3	Additional 5% of Investment Subsidy on EFCI, only if E/I ratio is >2
Top-up on Value Addition		
Additional 5% of Investment Subsidy of EFCI on value addition		
Net SGST reimbursement		
100% Reimbursement for 5 Years		
Power Subsidy		
INR 1 Per Unit for 5 Years		
Stamp Duty		
100 % Reimbursement		
Recruitment Assistance		
INR 4,000 per month for male & INR 6,000 per month for female (first-time employees), for 6 months (after 1 year of operations)		



Andhra Pradesh is providing 360° support for expansion of business



Conducive Business Environment

Average time to start a business is brought down to 21 days.

Strategic Location

Located in close proximity to demand centers such as TN, KA, Orissa, & TS.

Quality Power & water availability

Power surplus state with 25 GW installed power generation capacity

Low cost of Business

Lowering capital costs through Lease-cum-buy model for industrial land allotment



Robust Industrial Infrastructure

534 Industrial Estates with power, water, ETP, STP, plug- and-play facilities

Strong Logistics Infrastructure

“Top achiever in Logistics Ease”, as per LEADS 2022 report.

Industry ready skilled workforce

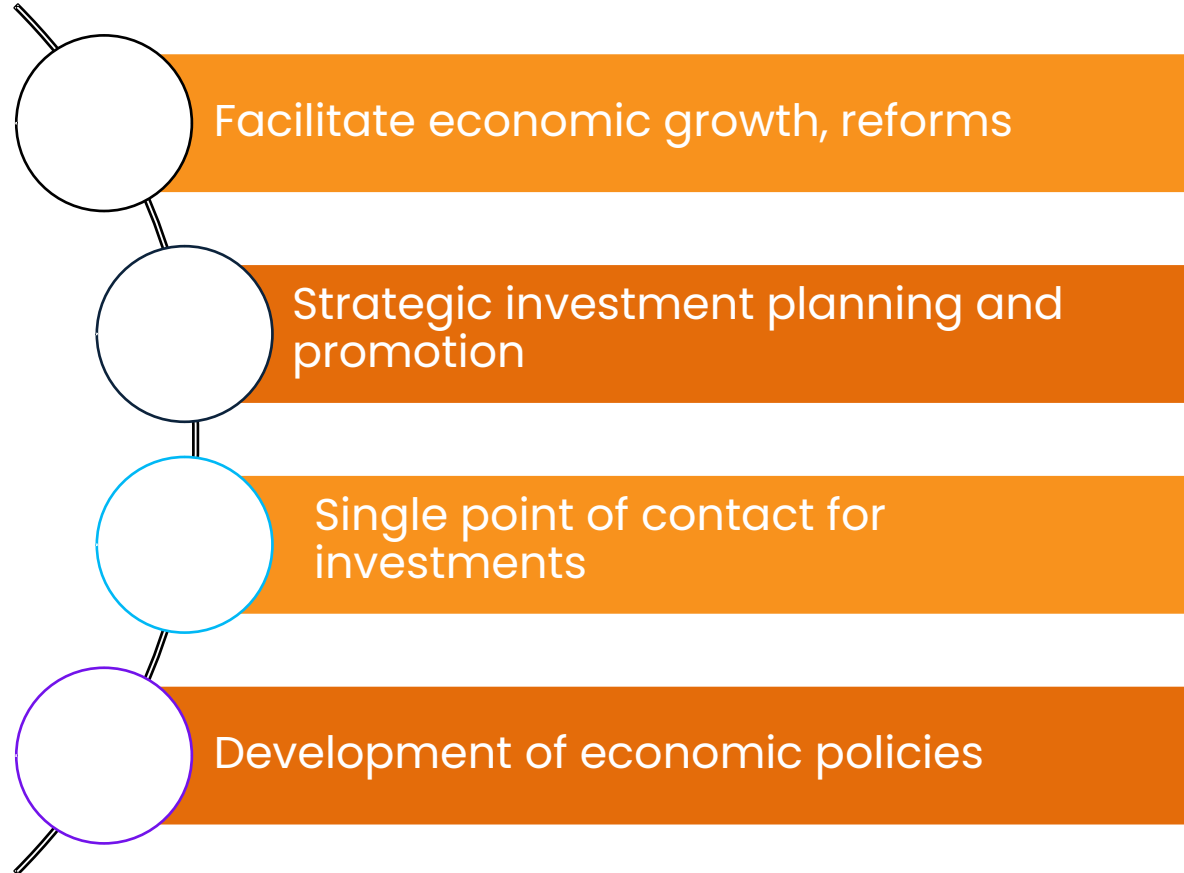
Abundant availability of skilled youth (50,000+ on average).

Raw material availability

Food Bowl of India, Treasure house for 48+ minerals, largest producer of cotton & silk



ANDHRA PRADESH ECONOMIC DEVELOPMENT BOARD





ANDHRA PRADESH

India's Sunrise State