



**Sri K. Chandrashekar Rao**  
Hon'ble Chief Minister  
Government of Telangana



# Annual Report 2019-2020



**Industries & Commerce Department**  
Government of Telangana  
Hyderabad, India



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## From the Minister's Desk

Telangana will be completing six years of its formation this year. Similar to previous years, the state has continued its high growth rate of 12.6% compared to the national average of 7.5% at current prices. This year the share of Telangana's economy in the National GDP has further increased by 21 basis points from 4.55% in 2018-19 to 4.76% in 2019-20.

Telangana state and Hyderabad city won several accolades this year as well. Telangana has emerged as the best performing state in promoting inclusive and sustainable growth and decent work for all on the SDG India Index for 2019. Hyderabad city has been ranked as world's 2nd most dynamic city by the World Economic Forum and also No. 1 globally in the 7th edition of JLL's City Momentum Index. This index focusses on dynamism and rapid growth of 130 cities across the globe. Hyderabad has been identified as the 3rd most affordable global office location. This year, I represented the State at the World Economic Forum at Davos and am happy to share that we finalized an Rs. 500 Crore deal with Piramal group among others.

The flagship TS-IPASS initiative has attracted cumulative investments of over Rs. 1,96,404 Crores in its more than 5 years of existence. This has been possible due to the continuous EODB reforms being undertaken by the state. Telangana State Industrial Infrastructure Corporation allotted 1520 acres of land to 526 industries this year with an expected investment of Rs. 4859 Crores and expected employments to nearly 8500 persons. A special MSME park was inaugurated last year called TSII-C-TIF-MSME Green Industrial park, which will be the first of its kind model park for MSMEs to be set up after the state formation.

In Lifesciences and Pharma sector, Hyderabad continues to be a major Hub in Asia and a global destination for international companies. It accounts for 35% of national pharma production and is home to more than 800 pharma, biotech and medical companies. The state has a combined enterprise value of over \$50 billion in this sector alone. In Textiles sector, we have managed to attract Youngone Corporation of Korea to Kakatiya Mega Textile park with an investment of Rs. 960 Crores and with an employment potential of 12,000 direct jobs. In Aerospace sector, Telangana received the best state award from Ministry of Civil Aviation for progress made in 2019-20.

We hosted and successfully concluded some marquee events in Hyderabad in the last financial year, including our signature pharma event of 'Bioasia' which recorded a participation of 2100 delegates and visitors from 37 countries; 'WINGS 2020' in Aerospace sector saw participation of over 100 exhibitors and several hundreds of business delegates and a specially curated airshow; 'World Design Assembly / Hyderabad Design Week', a prestigious design event hosted in India for the first time, received excellent media coverage and rave reviews from the 150+ global WDO members and 800+ local attendees.

In the recent months, we have been going through very unusual and difficult times due to the spread of COVID-19 virus. This situation is unprecedented for all of us; however, Telangana Government is well prepared and handling the situation with aplomb. Although, there has been very little economic activity countrywide, in the last 1-2 months, we are fast reaching a situation where bulk of the activities are being normalized. It is important that ample precaution be taken while resuming all the industrial and commercial activities to ensure that the virus does not spread further.

I feel overwhelmed by the support received from local Companies and Industries, who have come forward to support the Government and its people in these tough times, and would like to thank each one of them. Let us continue this spirit of helping each other in the coming year and working towards upliftment of the state and our country.

**Sri K.T. Rama Rao**  
Minister for Industries & Commerce  
Government of Telangana



## KEY ACHIEVEMENTS

UNDP India announced that Telangana has emerged as the best performing State in promoting inclusive and sustainable economic growth and decent work for all on SDG India Index for 2019.

Telangana has broken into the top five high-performance States in the NITI Aayog's first-ever Innovation Index released in 2019.

Telangana was ranked third overall in India in the SDGI with a score of 67 after Kerala and Himachal Pradesh. State improved its score from 2018 of 61 and is now above the national composite score of 60 points.

Telangana has bagged first place in consumer experience and second in the Overall States Rooftop Solar Attractiveness Index (SARAL). The index evaluates States based on their attractiveness for rooftop solar project development.

The World Economic Forum has ranked Hyderabad as the world's 2nd most dynamic city after evaluating 30 global cities rankings.

Hyderabad city has been assessed as the world's most dynamic city from amongst 130 cities across the globe in the 7th edition of JLL's City Momentum Index 2020.

Hyderabad retained its position as the top city in India for the fifth year in a row on 'quality of living' in Mercer's Quality of Living Survey 2019.

Telangana ranks second in implementing Crime and Criminal Tracking Network Systems (CCTNS) by registering 96.4 compliance score, according to Status of Policing in India report 2019.

Hyderabad tops the country's office space market in the second half of 2019 with transactions worth 8.9 million sqft compared to 7 million sqft for Bengaluru, according to global real estate consultancy firm Knight Frank.

Telangana State bags 3 National Water Mission (NWM) awards among 23 awardees in different categories.





## RECENT DEVELOPMENTS

South Korean textile major **Youngone Corporation** has finalized plans to invest over Rs. 960 crores in Telangana. The \$1.75 billion turnover company will be acquiring 300 acres of land at Kakatiya Mega Textiles Park at Warangal for the facility and is expected to create over 12,000 direct jobs.

US-based **Katerra**, a design and tech-driven global construction company, is setting up its first fully-integrated off-site manufacturing plant at Shabad, Hyderabad. The factory will deliver 8 million sqft of building components every year through robotic assembly line production. The company will invest Rs 700 crores, create 1,000 jobs and over 7,000 additional jobs across various job sites and auxiliary services. Katerra will also set up a vocational training centre to upskill the workforce.

**NOVA Integrated Systems Ltd. (NISL)**, a defence subsidiary of Tata Advanced Systems Ltd. is bringing five new defence projects to Hyderabad creating direct employment of 600 and will engage the local defence supply chain in their sourcing. The projects will be in areas of: 1. Mobile Command and Control Systems for Indian Army, 2. Mobile VSAT communication Shelters, 3. Radar and Microwave component manufacturing, 4. Electro-optics and Electronics Manufacturing, 5. R&D and prototyping facilities.

GMR launched first of the six towers of its upcoming **GMR Business Park** at Shamshabad, with a rental space offering of 2.4 lakh sq ft. The project with a total commercial area of a million sq ft is expected to be completed in the next 2-3 years with an investment of Rs. 350 crores.

**Sahajanand Medical Technologies** is developing state-of-the-art, and Asia's biggest stent manufacturing unit at Medical devices park in 20 acres land with an investment of Rs 250 crores. It will provide direct employment to 2,200 people and indirect employment to 500. The unit will produce more than 1.25 million stents per annum.

Electrical goods company, **Gold Medal Electricals**, is planning to set up a manufacturing plant in Telangana at an estimated investment of Rs 125 crores for manufacturing fans, geysers and other products. The plant, which is expected to come up by Sept 2020, would initially employ around 150 people, and hire about 800 people over the next three years.

Dairy products company **Dumont**, which operates ice cream and frozen dessert manufacturing facilities near Vijaywada are planning to expand its manufacturing and cold storage capacity. They will set up a new ice cream making unit in Hyderabad by 2020-21 with a capacity of 3000 litres per hour and an investment of Rs. 15 crores.

Novartis launched **Biome India**, Asia's first digital innovation hub in Feb 2020 in Hyderabad. It is aimed at boosting the connection and interaction between Novartis and partners from across the digital ecosystem, from nimble startups and academia to the biggest players in the industry.

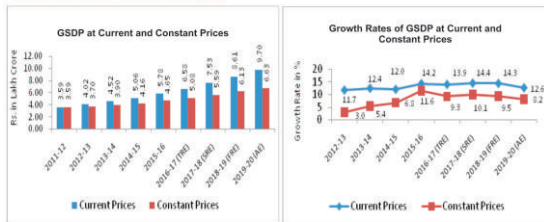
Telangana and New Jersey signed a '**Sister State Partnership Agreement**' in Sept 2019 to strengthen the relationship between the people of the two States. The agreement facilitates cooperation in areas of economic development such as IT, pharma and life sciences, biotech, fintech, media, data centres, clean energy, higher education, tourism, culture, and healthcare sectors.

**GMR Hyderabad International Airport** has been featured as the third fastest-growing airport in the World in terms of passenger growth. The Airports Council International (ACI), in its World Airport Traffic Report, has ranked Hyderabad International airport as the second-fastest growing airport in India and third fastest in the World for the category of handling more than 15 million passengers per year.

## GSDP - Outlook for 2019-20

- As per advanced estimates released by the Directorate of Economics and Statistics, the Gross State Domestic Product (GSDP) at current prices for the year 2019-20 is estimated to be Rs. 9.70 lakh crore.
- Impressive growth rate of 12.6 percent at current prices.
- Telangana GSDP at constant (2011-12) prices for the year 2019-20 is estimated at Rs. 6.63 lakh crore with growth rate of 8.2 percent.

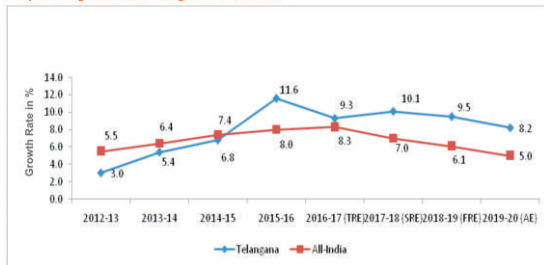
## Trends in GSDP and growth rates of Telangana



## Performance of the State's economy in 2019-20

- The share of Telangana's economy in the national GDP is 4.76% in 2019-20.
- The steep increase in State share is due to the State's growth rate being higher than that of All-India growth rate.

## Comparison of growth rates of Telangana vis-a-vis all India



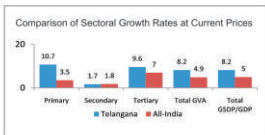
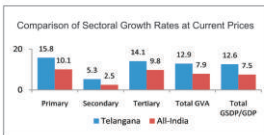
### Comparison of growth rates of Telangana vis-a-vis all India at current and constant prices

Year	Current Prices (Rs. in crore)					Constant Prices (Rs. in crore)				
	Telangana		All India		Share of TS	Telangana		All India		Share of TS
	GSDP	GR	GDP	GR		GSDP	GR	GDP	GR	
2011-12	3,59,434	-	87,36,329	-	-	3,59,434	-	87,36,329	-	4.11
2012-13	4,01,594	11.7	99,44,013	13.8	4.04	3,70,113	3.0	92,13,017	5.5	4.02
2013-14	4,51,580	12.4	1,12,33,522	13.0	4.02	3,89,957	5.4	98,01,370	6.4	3.98
2014-15	5,05,849	12.0	1,24,67,959	11.0	4.06	4,16,332	6.8	1,05,27,674	7.4	3.95
2015-16	5,77,902	14.2	1,37,71,874	10.5	4.20	4,64,542	11.6	1,13,69,493	8.0	4.09
2016-17 (TRE)	6,58,325	13.9	1,53,91,669	11.8	4.28	5,07,946	9.3	1,23,08,193	8.3	4.13
2017-18 (SRE)	7,53,127	14.4	1,70,98,304	11.1	4.40	5,59,492	10.1	1,31,75,160	7.0	4.25
2018-19 (FRE)	8,61,031	14.3	1,89,71,237	11.0	4.54	6,12,828	9.5	1,39,81,426	6.1	4.38
2019-20 (AE)	9,69,604	12.6	2,03,84,759	7.5	4.76	6,63,258	8.2	1,46,83,835	5.0	4.52

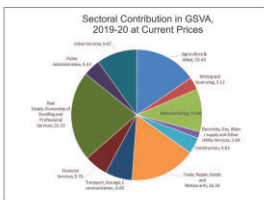
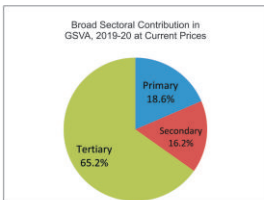
#### Sectoral growth performance

- As per advance estimates for the year 2019-20, the Gross Value Added from the primary sector including agriculture and allied activities is likely to grow at a pace of 15.8 percent at current prices, as against 10.1 percent anticipated growth of All India.
- The GVA from secondary sector which includes manufacturing electricity and construction is expected to register a growth rate of 5.3 percent, as against the All-India growth rate of 2.5 percent.
- Services sector is anticipated to register an impressive growth of 14.1 percent GVA at current prices, in comparison to the All India growth rate of 9.8 percent.
- The total GVA comprising all three broad sectors is likely to register an impressive growth of 12.9 percent. The national growth rate is 7.9 percent.

#### Comparison of growth rates in 2019-20 (AE): Telangana vis-a-vis all India



#### Telangana Sectoral contribution in GSVA



Government of Telangana has enacted the Telangana State Industrial Project Approval and Self-Certification System (TS-iPASS) Act, 2014 (Act No.3 of 2014) for speedy processing of applications and issuing various clearances required for setting up of industries at a single point based on self-certification by an entrepreneur.

This has provided an investor-friendly environment in the State of Telangana, and the system is operational since January 2015. The TS-iPASS approval process is totally online, i.e. from application filing stage to approval stage without any human interface.

The departmental fee is collected online at a single point (TS-iPASS), and payment through demand draft, challan and other offline process are dispensed with. A total of 38 services from 27 Departments pertaining to pre-establishment and pre-operation of industries which covers all state-level approvals are under the ambit of TS-iPASS.

Each approval has a fixed timeline varying from 7 days to a maximum of 30 days depending on the complexity of the approval, which has to be adhered by the department failing which the officer responsible for delay will be penalised @ Rs.1000 per day, and the provision of deemed approval will be invoked as per TS-iPASS Act.

For Mega projects, i.e. the Projects with investment more than Rs.200 Crore or providing employment to 1000 persons, provisional clearances will be issued within 15 days, based on the self-certificate furnished by the applicant. Formal approvals/clearances will be issued before the unit commences its operations.

All Manufacturing, Service activities are eligible for processing of applications under Telangana State Industrial Project Approval and Self Certification System (TS-iPASS).

The online system is user friendly and equipped with the latest tools to guide the entrepreneur in filing the application without any hindrances. Alerts are sent to the entrepreneur in the form of messages to the registered mobile and the registered email at every stage of the approval process in addition to the application tracking system available in their login.

Further to this in accordance with Ease of Doing Business (EODB) thirty (30) other services of various departments were also brought under the purview of TS-iPASS. The GOI in association with world bank has ranked Telangana state as best in EODB, and TS-iPASS played a key role in achieving this.

The TS-iPASS online portal is integrated with departmental portals making the process more advanced and transparent. The Development Permission Management system (DPMS) is implemented for construction permits which harnesses the potential of Information and Communication Technology (ICT). The steady and steep growth of the applications processed year after year showcases the scintillating performance of TS-iPASS.

## TS-iPASS Year-wise clearances issued

Sl. No.	Year	No. of Units	Investment (in Rs. Cr.)	Employment
1	2015-16	1536	28989.90	94454
2	2016-17	1716	34506.10	98985
3	2017-18	2821	57444.53	274646
4	2018-19	2836	34837.05	604865
5	2019-20	3112	40626.67	317421
	<b>Total</b>	<b>12021</b>	<b>196404.25</b>	<b>1390361</b>

## Implementation stage of approved projects

Sl.No.	Progress	No of Industries	Investment (in Rs.Cr.)	Total Employment
1	Commenced Operations	9021**	85039.55	632189
2	Advanced Stage	760	26957.04	270557
3	Initial Stage	751	51859.55	272316
4	Yet to Start Construction	1489	32548.11	215299
	<b>Total</b>	<b>12021</b>	<b>196404.25</b>	<b>1390361</b>

**\*\* represents 75% of the total approved projects**

# EODB REFORMS

## Ease of Doing Business

The Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry, Government of India has taken up a series of measures to improve Ease of Doing Business. The emphasis has been on simplification and rationalization of the existing rules and introduction of Information technology to make governance more efficient and effective. DPIIT, every year is communicating a set of reforms to all states and is ranking the states based on level of compliance of these reforms by the states.

### EODB-2016

A questionnaire of 340 questions had been communicated by DPIIT to the states and ranked as per compliance to the questionnaire by various departments involved.

Telangana secured 1st Rank in "Ease of Doing Business-2016" with a score of 98.78%. Out of 340 reforms communicated by DPIIT, Telangana achieved compliance in 324 reforms while 12 reforms were not applicable to the state and 4 other reforms were not complied with.

### EODB-2017

For the year 2017, DPIIT communicated 372 point Business Reform Action Plan (BRAP). Government of Telangana has taken all measures to comply with all the reforms and retained the top position for the year 2017 also.

Out of 372 reforms communicated by DPIIT 368 reforms were pertaining to the state while 4 reforms were not applicable to the state. The reforms indicated by DPIIT were implemented across 16 Secretariat Departments and 27 HODs. A total of 104 online services and 57 acts/G.O.s/ circulars were issued.

Out of 372 reforms 78 action points had been selected for which assessment was based on the feedback solicited from the actual users/ businesses. Workshops/



awareness camps were conducted in all districts by the GM, DICs to create awareness among the industries and encourage industries usage of the system.

Telangana achieved 100% compliance in the reforms.

### EODB-2019

The Department for Promotion of Industry and Internal Trade (DPIIT) communicated Business Reform Action Plan for EODB - 2019 containing 80 reform points to be undertaken in 2019. The plan had been designed to obtain feedback on all reform points for assessment. The performance of the States will be assessed in 2019 only based on the feedback received from the users and industrialists. The reforms for which there is feedback score of less than 70% will be considered as the reform not implemented. Last date for furnishing user list to DPIIT was 30-06-2019 and submission of evidences was 14-08-2019.

A series of meetings were conducted with Special Chief Secretaries/Principal Secretaries/Secretaries, HODs, Nodal officers at various levels to review the implementation of reforms from time to time and ensure compliance of the reforms. The user list was furnished to DPIIT on 30-06-2019 and the evidences were uploaded on EODB portal. The assessment is under process.



# INVEST TELANGANA

'Invest Telangana' is proposed on the lines of the national 'Invest India' to provide an institutional mechanism for engaging potential investors, providing aftercare investment services at pre-investment stage and investment promotion outside the state.

## Objectives of Invest Telangana

1. Act as a first reference point to potential investors by providing quality input.
2. To engage with potential investors and provide support services, such as sector specific inputs, assisting in location identification, expediting regulatory approvals, facilitating meetings with relevant government functionaries, etc.
3. Identify serious investors and to prepare a small dossier of their proposals/ companies for further perusal of senior officers.
4. Business Intelligence.

5. To undertake media campaigns and to organise Road shows and Investment Summits in India and abroad to promote investments in the State.

6. To partner with Invest India; to interface with 'Make in India'; and with other Government of Telangana Programmes.



## Mega Projects

Invest Telangana facilitates various mega projects in the state. These projects are classified as those having investment of Rs. 200 Crores and above in plant and machinery or providing employment to more than 1000 persons. The Government extends tailor-made benefits to Mega Projects to suit to particular investment requirements on a case to case basis.

## Upcoming Mega Investment Projects

Sl. No.	Sectors	Line of Activity	Total Investment Amount (in Rs. Cr.)	Total Employment Numbers
1	IT	Data Centers	25,000.00	1,425
2	Automotive	Electric Vehicle Manufacturing	450.00	1,200
3	Steel and building materials	Pre-fabricated building components and fittings	764.00	1,556
		2/3 wheeler tyres		
		Steel products		
4	Textiles	Textiles	650.00	1,500
5	Electronics	EV & ESS Park	16,891.56	73,750
		Li-ion cells and batteries		
		Wireless Bluetooth Speakers		
		Li-ion Battery		
6	Life Sciences	TVs	1,200.00	1,000
		R & D Lab		
7	Food Processing	Wet corn milling	892.00	2,613
		Hydroponics plant factory		
		Chicken processing		
		Seed processing		
		Integrated flour mill and biscuit manufacturing facility		
		Fruit juice		
TOTAL			45,848.00	83,044

Telangana State Industrial Infrastructure Corporation (TSIIC) is identifying and developing potential growth centres in the Telangana State and other infrastructural facilities.

#### Core Functions of TSIIC

- Identification of potential sites for industrial areas.
- Acquisition/Alienation of lands for Industrial Parks.
- Providing infrastructure facilities in Industrial Parks/IT Parks/Biotech Parks/Textile & Apparel Parks/SEZs with its own engineering division.
- Allotment of land/plots/sheds for various industries.
- Identification and development of infrastructure projects under PPP mode.

#### Land Allotment

In FY 2019-20, TSIIC has allotted 1520 acres of land to about 526 industries with an expected investment of around Rs. 4859 crores and expected direct and indirect employment to nearly 8562 persons.



TSIIC team received award for implementing best practices of TS I-Pass and EODB.

#### Important Industrial Parks Developed by TSIIC.

TSIIC has so far developed 153 Industrial parks. The important ones are listed below

1. Hyderabad Pharma City, Ranga Reddy
2. Kakatiya Mega Textile Park, Warangal
3. E City, Raviryal
4. EMC, Maheshwaram
5. NIMZ, Zaheerabad
6. Food Processing Cluster, Bandathimmapur & Kondapur
7. Agri Processing Park, Bandamallaram
8. Agro Processing Cluster, Dhandumalkapur
9. LED Park, Shivanagar,
10. Multi Product Park, Chandanvelly
11. Industrial Park, Mandapally
12. Industrial Park, Tunikibollaram
13. Apparel Park, Sircilla
14. Weaving Park, Sircilla
15. TIF MSME Park, Yadadri



The TIF MSME Park has been constructed in 482 acres of land, attracting investments of Rs. 1,553 crores. The park can house more than 450 industrial units, providing direct employment of 19,000 and indirect employment of 30,000.



Proposed IT Incubation Tower, Mahabubnagar.

## IT-Towers, Innovation Hubs, T-Hub & T-Works in Telangana State

### 1 T-HUB Phase-II, Hyderabad

- Built-up Area: 3.72 L sft
- All Plug & Play Facilities in place
- Expected completion: July 2020

### 2 T-Works, Hyderabad

- Built-up Area: 3.72 L sft
- All Plug & Play Facilities in place
- Expected completion: July 2020

### 3 IT-Tower, Nizamabad

- Built-up Area: 0.50 L sft
- All Plug & Play Facilities in place
- Expected completion: July 2020

### 4 IT-Incubation Centre, Karimnagar

- Built-up Area: 0.70 L sft
- All Plug & Play Facilities in place
- Expected completion: July 2020

### 5 Image Tower, Hyderabad

- Built-up Area: 4.6 L sft
- All Plug & Play Facilities
- Expected completion: March 2023

### 6 Incubation Centre, Warangal(U)

- Built-up Area: 0.15 L sft
- All Plug & Play Facilities in place
- Expected completion: June 2020

### 7 IT-Hub, Khammam

- Built-up Area: 0.25 L sft
- All Plug & Play Facilities in place
- Expected completion: June 2020

### 8 IT-Hub, Mahboobnagar

- Built-up Area: 0.60 L sft
- All Plug & Play Facilities in place
- Expected completion: Sep 2020

## Plastic Park, Mankhal, RR Dist



**Investment**  
140 Cr



**Area & Sector**  
Area ~ 180 Acres  
Sector: Plastic & Allied



### Infra Available

- Internal Infra
- 33/11 KV SS
- Water supply
- 100 FT wide road (Access)



### Social Benefits

- Preference to MSME establishments
- FFC Proposed (Plug & Play)
- Employment generation - 8400

Plastic Park is located in RR District of Telangana, it is the **only Industrial park in state** which is dedicated to **Plastic and allied sectors**.





## General Industrial Parks(New), Telangana State

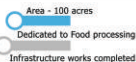
### GENERAL INDUSTRIAL PARKS

	INVESTMENT SECTOR	CORE INFRA AVAILABLE FOR PLUG & PLAY	TOTAL LEASABLE SPACE IN IP	UNITS ALLOTED IN THE IP
IP Dhandumalkapur, Yadadri Bhuvanagiri District	Multi Product	Internal Infra, 33/11 KV Substation, water supply, 150 FT wide access road	250 Acres	Many MSME, Micro companies
IP Siddipet, Siddipet District	Multi Product	Internal Infra, 33/11 KV Substation, water supply, 150 FT wide access road	200 Acres	DXN Holdings Ltd. and other SME, MSME companies
IP Tunikibollaram, Siddipet District	Multi Product	Internal Infra, 33/11 KV Substation, water supply, 150 FT wide access road	200 Acres	Prasad Seeds, Divya Arms Pvt Ltd., etc.,
IP Chandanvelly, Ranga Reddy District	Multi Product	Internal Infra, 220 KV Substation, 4MLD water supply, 200 FT wide access road	350 Acres	Welspun India Ltd., Katara India Ltd., Kundana Textiles, Amazon Data Centres, Olectra EV etc.,

## Food & Agro Processing Parks - Medchal, Siddipet Yadadri Bhuvanagiri Dist.

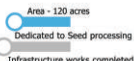
### Food Processing Park @ Banda Thimmapur, Medchal

- Project Aimed at encouraging Food processing in the State
- Attracted investments from major units including **Guilfree Industries Ltd.**, **Hindustan Coca-Cola Beverages etc.**



### Agro Processing Park at Banda Mailaram, Siddipet

- Project Aimed at encouraging seed processing in the State
- Attracted investments from major units including **Kaveri Seeds**, **Prasad Seeds**



### Agro Processing Park @ Dandu Malkapur, Yadadri Bhuvanagiri

- New Industrial Park
- Project Aimed at encouraging agro processing in the State





# PHARMA & LIFE SCIENCES

Hyderabad continues to dominate as a major hub for life sciences in Asia and as a destination of choice for global companies. Hyderabad contributes more than 35 percent to the national pharma production. With more than 800 pharma, biotech and medical technology companies in the state, Telangana already has a combined enterprise value of \$50 billion. The year 2019-20 has proved to be yet another phenomenal year for the Life Sciences sector in Telangana.

Government of Telangana has envisioned to grow the industry from USD 50 Bn to USD 100 Bn and create 400,000 new jobs in this decade. Our Vision is being supported by the Life Sciences Grid, which is a Government of Telangana's unique and integrated plan to create a network of infrastructure, stakeholders, skilled workforce and efficient processes.

## Some of the key activities in FY 2019-20

### Genome Valley 2.0

Genome Valley continues to bring laurels to the State of Telangana and is growing at a rapid pace. Genome Valley today houses 200 global and national companies with a workforce of 10,000 and has the potential to grow as a strong economic center of the region.

In 2019-20, there have been multiple additions in the cluster with both Global and Indian companies setting up their facilities including Syngene, Sandoz, TCI Chemicals, Yapan Bio, Vallark Pharma, Sambi Pharma, MABTree Biologics, Ritvis Labs, Phermones, among others. Many existing companies like Biological E, Indian Immunologicals, Sai Life Sciences, among others are also rapidly expanding their operations in Genome Valley.

With the objective of strengthening the cluster further, Government announced the formulation of a strategic regional masterplan "Genome Valley 2.0" to strengthen the cluster as a Knowledge Led Growth Corridor. M/s. Subana Jurong Ltd has submitted their regional masterplan report to the Government with a focus on the following development goals:

- "An Integrated & Connected city" - focusing on transit-oriented development for seamless connectivity.
- "An Innovative & Vibrant Economic city" - targeting economic diversification with increased employment opportunities to attract the best organizations and talent.
- "A Liveable & Self-Sustained city" - promoting residential districts with activated public spaces, and social amenities within walking distance.
- "An Ecologically Sustained & Enriched city" - creating a positive climate environment with robust infrastructure, future-ready development and adoption of sustainability guidelines.

### Hyderabad Pharma City

Pharma City is one of the flagship initiatives of the Government. Spread across 19,000 Acres, Government intends to develop Hyderabad Pharma City as a new international benchmark for Smart, Innovative, Eco-sensitive & Sustainable Integrated Industrial Cluster for the pharmaceutical value chain.

The Year 2019-20 has been eventful in the planning of this world's largest cluster, with many milestones including:

1. Completion of the master-planning, infrastructure planning, etc.
2. Recognizing the importance of the project, Department for Promotion of Industry and Internal Trade (DPIIT), Government of India (GoI) has granted the status of National Investment and Manufacturing zone (NIMZ)
3. Amendment to Environmental Clearance was issued by MoEF&CC, GoI and CFE was accorded to project by TSPCB
4. External road development and widening work are in progress

### Medical Devices Park

Medical Devices Park, launched in 2017, has become the destination-of-choice for leading medical devices companies in the country. Spread across 276 Acres in Sultanpur village of Sangareddy district, the park offers a dedicated ecosystem for Medtech innovation and manufacturing. About 25 companies are in the process of establishing their R&D and manufacturing units including Sahajanand Medical Technologies (SMT), Promea Therapeutics Private Limited, Arka Medical Devices, Virchow Biotech Private Limited, among others.



SMT Facility in Telangana

SMT laid the foundation stone for their Asia's largest stent manufacturing facility with an overall investment of about Rs. 250 Crores and will produce about a million stents. The facility is expected to be commissioned in the first quarter of the year 2021.

In 2019-20, there have been multiple additions in the cluster with companies setting up their facilities including Sipra Labs Limited, Trident Technologies, Sri Sarada Automation Systems among others.

Government of Telangana has successfully secured an in-principle approval from Department of Pharmaceuticals, Government of India for development of a biocompatibility testing center under their Development of Common Facility Centre for Medical Device (DCFCMD) scheme and this facility will be developed in a PPP mode.

#### BioAsia

17th Edition of BioAsia - Asia's largest Biotechnology and Life-sciences forum and the annual flagship event of the Government of Telangana was organized from February



17th – 19th, 2020, with the theme being 'Today for Tomorrow'. The event also recorded participation of 2,100 delegates and visitors representing 37 countries. Switzerland was the partner country for the event and led a large delegation of industry, academia and start-ups.

Prestigious Genome Valley Excellence Award 2020 was presented to Dr Carl H June, Professor of Richard W Vague in Immunotherapy, Dept. of Pathology and Laboratory Medicine, University of Pennsylvania, USA and Dr Vas Narasimhan, CEO, Novartis. Hon'ble Union Minister for Commerce and Industry Shri. Piyush Goyal chaired the CEO Conclave discussion moderated by Hon'ble Minister I&C Shri. KT Rama Rao.

BioAsia 2020 created a new benchmark for life sciences events in Asia, by assembling the most powerful and influential global leaders in this sector including the likes of Mr. Vas Narasimhan, Dr. Carl June, Dr. Peter Piot (Director of the London School of Hygiene & Tropical Medicine and Professor of Global Health, UK and Co-discoverer of the Ebola virus), Dr. Siddhartha Mukherjee (Pulitzer Prize Winner), Mr. Dilip Shingvi (Managing Director, Sun Pharma), Mr. Ajay Piramal (Chairman, Piramal Group), Mrs. Kiran Mazumdar Shaw (Chairman & Managing Director, Biocon), Mr. Jan Van Acker (President, Emerging Markets, MSD), Ms. Nivruti Rai (Head, Intel India), Dr. Swati Piramal (Vice Chairperson, Piramal Enterprises Ltd), Dr. Christiane Hamacher (CEO, Biocon Biologics), Ms. Alenka Stefanic Petek (Head, Sandoz Development Centre, India), among others.

A record number of 2,000 partnership meetings were held during the three-day global summit leading to key strategic collaborations. The exhibition also attracted over 200 companies, which is the highest in BioAsia.

#### Other Key Announcements / Initiatives during FY 2019-20

- Telangana Government has secured an in-principle approval from the Department of Biotechnology, Government of India for the establishment of B-Hub, a first-of-its-kind initiative in the country featuring a Growth Phase center supporting Life Sciences



CEO Roundtable Discussion & Dinner was hosted as part of BioAsia 2020 on February 18, co-chaired by Hon'ble Union Minister for Commerce and Industry Shri Piyush Goyal and Hon'ble Industries Minister Shri KT Rama Rao along with senior leaders from Government of India, various State Governments and about 25 select industry leaders

companies post-incubation stage coupled with a Biopharma scale-up manufacturing facility.

- Biological vaccine manufacturing facility was commissioned to meet the global need for various newer generation vaccines with an investment of ₹300 Cr at Genome Valley with an employment potential of about 1000 people.
- Foundation Stone was laid for the State-of-the-art facility of Sahajanand Medical Technologies to develop Asia's largest Stent manufacturing Unit. With an investment outlay of Rs 250 Cr, SMT's 20 acre Campus at the Medical Devices Park in Sultanpur, is a first-of-its-kind state innovative facility. It will have a capacity to manufacture 1.2 million stents, and 2.0 million catheters at full capacity. It will also house a state-of-the-art R&D centre, developing advanced medical products in interventional cardiovascular, endovascular, and related niche devices, providing significant boost to local economy, with employment potential of over 1500 people.
- The London School of Hygiene & Tropical Medicine (LSHTM) announced establishment of their first India outpost in Hyderabad focused on public health research including data and analytics, in addition to clinical research.
- Novartis launched Biome India, a digital innovation hub in Hyderabad as a testimony to the city's vibrant innovation ecosystem. This is one of the four Novartis Biomes globally with others located in San Francisco (USA), Paris (France) and London (UK).
- State-of-art R&D facility of Syngene was inaugurated in Genome Valley. The facility, which is the first for Syngene outside Bangalore, has been built with an investment of Rs. 170 Crores.
- Sandoz Development Center (SDC) and regulatory functions commenced operations in Genome Valley with 150 scientific researchers and regulatory experts. This facility is equipped with world-class infrastructure to develop oral solid generic products and will play a vital role in enabling access to high-quality medicines for patients around the world.
- Foundation stone for MN Park Building, which will feature 180,000 SF multi-tenanted lab space was laid in Genome Valley. This facility is being built with an investment of about Rs. 100 Crores and will cater to the growing demand of global companies to invest / expand in Genome Valley. Genome Valley already has more than 2 Mn SF of commercial lab space.



Syngene Facility



Biological E Facility



MN Park Facility

#### Summary of Investments in Life Sciences Sector (FY 19-20)

Number of Investments in Life Sciences in FY 2019-20	226
Proposed Employment Generation	11687
Investments in Pharma and Biotech Manufacturing (INR Crores)	1018.68
Investments in Pharma and Biotech R&D (INR Crores)	870.41
Investments in Medical Devices R&D (INR Crores)	304.56
Cumulative Investments (INR Crores)	2193.65

# HANDLOOM & TEXTILES

The handloom and textile industry is second only to agriculture in terms of workforce and employment potential. Hence Telangana has given special attention to this sector contributing significantly to exports as well as domestic consumption.

## Handloom Sector

The handloom industry of Telangana occupies a unique place in the country for its exclusive art and crafts of Handloom weaves. The design patterns & glory of Gadwal cotton, Silk, Sico Sarees, Narayanpet cotton Sarees, Pochampally Ikkat, Warangal durries, Karimnagar Bed Sheets & furnishings, and Gollabham sarees showcase the outstanding skills of handloom weavers of the state. The Govt. has geared up to address the issues plaguing the industry through various initiatives.

## Nethannaku Cheyutha:-Thrift Fund Saving and Security Scheme (TFSSS)

A savings scheme for handloom weavers and ancillary workers wherein the state government contributes 16% of declared income against 8% contributed by the beneficiary, with a locking period of 36 months. 20,298 weavers and ancillary worker have been covered under the scheme so far and an amount of Rs. 51.44 Cr has been credited by the Govt.

## Chenetha Mithra

An input subsidy scheme for handloom weavers which envisages 40 percent subsidy on yarn, dyes & chemicals in addition to the 10% subsidy provided by Government of India. Weavers having geo-tagged looms can avail benefit under the scheme. The subsidy is transferred to the beneficiaries' accounts under Direct Beneficiary Transfer system. About 36,233 beneficiaries have been covered under the scheme till date.

## Revival of traditional weaves in Telangana and Developing new crafts

There are several crafts in Telangana, which once flourished, but are now facing extinction. The Government has taken several steps through Telangana State Handloom Weavers Cooperative Society (TSCO) to revive these crafts.

**Gollabham Saree in Siddipet Area:** This craft, once prevalent in Siddipet area, consumed more time and yielded less wages and gradually became extinct. TSCO took several steps to revive the craft by upgrading handlooms and providing accessories and jacquards thereby reducing the weaving time to 1-2 days from 3-4 days earlier. This helped the weavers earn wages around

Rs.12,000-16,000 per month up from Rs 6000 – 9000 per month earlier.

Other traditional weaves which are similarly being revived include: - a) Teliarumal weaving, b) HIMRU Weaves, c) Pitambari Sarees, d) Armour Silk Sarees, e) Mahadevpur Silk Sarees, f) Warangal durries.

## National Handloom Day

The annual National Handloom Day programme was launched by Hon'ble Prime Minister of India in 2017 to uplift the Handloom industry. On 7th August of every year the National Handloom Day is being celebrated across the country. Government of Telangana, in celebrating the efforts of handloom industry, organised week long exhibitions and a fashion show on the eve of National Handloom Day. In addition, Telangana has instituted Konda Laxman Babuji Awards to honour the weavers and designers in the handloom industry. The Award consists (1) Cash Price of Rs.10,000 (2) Merit Certificate (3) Handloom Shawl and (4) Memento. This year 24 weavers and designers were selected and honored with Konda Laxman Babuji State award on 7th August-2019.

## Lakme Fashion Week at Mumbai 2019-2020

The Lakme Fashion Week is one of the prime fashion shows of India conducted once every 2 years. IMG Reliance collaborated with Telangana Handlooms to



promote the identified weaving clusters and their textiles in the Indian fashion industry through a special showcase at Lakme Fashion Week – Feb 2020. A prestigious on-schedule evening slot (7:30 P.M.) at LFW Runway – an exclusive showcase area at the official event venue – Jio Garden, BKC, Mumbai was arranged. Rina Singh a renowned International Fashion Designer with her team of designers and models ensured new products and new designs from Telangana Handloom Clusters were showcased. Tennis star Smt. Saniya Mirza also participated as a show stopper in the event.

#### Textile and Apparel Sector

The state government undertook multipronged strategies in order to support the textile and apparel industry in the state. The implementation work for some of the prestigious projects such as Apparel park, Weaving Park and Common Facility Center at Sircilla as well as the Kakatiya Mega Textile Park at Warangal have been expedited in FY 2019-20. The state government also concluded important investment agreements/MoUs with leading textile and apparel industry leaders.

#### Korean textile major signs Final Agreement to bring in largest FDI into Telangana since state formation

Youngone Corporation, a Korea headquartered leading manufacturer of textiles, technical outdoor /athletic apparel, sportswear, knitwear, footwear, etc. with



annual revenues in excess of \$ 1.75 billion signed the final agreement with Government of Telangana to set up 8 manufacturing units in Kakatiya Mega Textile Park (KMTP) in Warangal, with an investment of about \$ 128 million (Rs 960 Cr) in 300 acres. The investment is expected to create 12,000 direct jobs in the state.

A formal agreement was signed on 11th December 2019 in the presence of Telangana Industries Minister Shri KT Rama Rao, Indian Ambassador to Korea Mrs. Sriprya Ranganathan, Korean Ambassador to India Mr. Shin Bongkil and Youngone Corporation Chairman Mr. Kihak Sung at Hyderabad. Youngone also received provisional land allotment for the project. The company plans to

manufacture knitted and woven garments for outdoor wear and technical textile products, predominantly for exports. This investment is expected to catalyse more investments in KMTP as well as more Korean foreign direct investment (FDI) in textile and other sectors in Telangana.



#### MoU with Shoppers Stop Ltd

The Telangana government and M/s Shoppers Stop Ltd entered into a Memorandum of Understanding (MoU) wherein Shoppers Stop, through its vendors, will set up an apparel manufacturing unit at Sircilla Apparel Park in Telangana. The MoU was signed by state's Principal Secretary, IT & Industries, Mr. Jayesh Ranjan and Shoppers Stop Managing Director & CEO Mr. Rajiv Suri in the presence of industry leaders from leading textile and apparel manufacturers such as India Designs, Gokaldas Exports, Shahi Exports, Arvind Ltd, Texport Industries, Shoppers Stop, Creative Garments, Indo count Industries, Raymond Ltd, Future Retail and industry associations such as CMAI, TEXPROCIL etc.



#### WELSPUN commences production at Rs 1150 Cr Carpet Tiles Manufacturing Plant

M/s Welspun Group, a \$ 2.1 billion conglomerate, commenced operations at its Carpet tiles manufacturing plant at Chandanvely. The state-of-the-art facility, set up with an investment of Rs 1150 Cr, completed construction in a record time of 14 months and commenced trial production in Sep 2019. The project employs more than 1000 people and has a manufacturing



capacity of 16.3 mil sqm p.a. of Tufted carpets tiles & Wall carpets as well as 10.7 mil sqm p.a. of Click N Lock SPC tiles. The plant also manufactures artificial grass for sports arenas, commercial applications, residential terraces and gardens.



#### **PET waste to Fibre plant at Kakatiya Mega Textile park in Warangal**

Ganesha Ecosphere, a greentech player that extracts fibre from used PET (polyethylene terephthalate) bottles has signed the final agreement with Government of Telangana to set up a unit in Kakatiya Mega Textile Park (KMTP) in Warangal, with an investment of about Rs. 327Cr in 30 Acres. The project is expected to create 1000 jobs. The company has been allotted 30-acre land at KMTP and bhoomipoojan was performed to initiate the construction activity.



#### **Textile Unit inaugurated in Whitegold Spintex Integrated Textile Park**

The first Unit at Whitegold Spintex Integrated Textile Park at Ibrahimpatnam was inaugurated on 23rd Nov 2019. Industries and IT Secretary Shri Jayesh Ranjan inaugurated the Unit set up by M/s Divya Textiles of Surat in the presence of Vice Chairman and Managing Director of Telangana State Industrial Infrastructure Corporation (TSIIC) Shri E.V.Narasimha Reddy. More than 60 textile entrepreneurs from Surat attended the event and have expressed their interest in investing in the state.

M/s Divya Textiles has set up 24 Rapier looms with Electronic Jaquard that can produce 1200 sarees per day with an employment of 60 people.



#### **Apparel Park, Sircilla**

In order to strengthen Sircilla power loom industry by way of encouraging value addition to convert fabrics to garments the Government of Telangana is developing an Apparel park spread over 60 Acres. The enabling infrastructure works are in advanced stages of completion. The State Government is proposing to construct buildings for the anchor units in the Park. The buildings will be offered on lease basis to interested companies who can come and set up their machinery and operate their units. Leading garment manufacturers such



as M/s Texport Industries Pvt Ltd, M/s Gokaldas Images Pvt. Ltd. are in advanced stages of discussion with the Department of Handlooms and Textiles for setting up their Garment manufacturing units in the park.

#### **Weaving Park, Sircilla**

Government of Telangana is developing a state of art weaving facility by establishing group work shed units for weaving at Peddur Village in Sircilla. The works are in full

swing at site for construction of 50 industrial sheds that will house 4416 powerlooms and 60 warping machinery along with other common facilities in 88 acres of land.

Through this project the State Government intends to address the critical gaps in weaving infrastructure impeding the growth of the cluster. It will release the weavers from the clutches of master weavers and thus encourage the objective of "Worker to Owner". It would facilitate production of quality fabric and value-added products. This would also encourage the stakeholders to diversify the product base, broaden their skills and become financially independent.



#### **New units ready to commence production at Pashamylaram Textile Park**

The Department of Handloom and Textiles has taken important measures to help the units at Pashamylaram Textile Park both in terms of reviving their operation capabilities as well as promoting new investment into the park. Some of the proactive measures include streamlining of accounts, restructuring of management and mobilizing new investments into The Park. Five new textile companies have already commenced their operation in the park in 2019-20.

#### **Training and Skill Upgradation**

In order to meet the skill gap in the textile industry the Government of India has introduced the scheme titled "Scheme for Capacity Building in Textile Sector (SCBTS)". The Department of Handlooms and Textiles,



Government of Telangana, has entered into an MoU with the Ministry of Textiles, GOI for training 1440 candidates per year in two programs; namely "Sewing Machine Operators Course" and "Embroidery Machine Operators Course", on 14th August 2019.

Two training centres, one at the Gundlapochampalli Apparel Export Park and the second one at the Textile Park, Sircilla have been commissioned with plans for further scaling up. Each training centre will provide training to 720 candidates annually - 360 each in Sewing Machine Operations and Embroidery Machine Operations. Infrastructure and Machinery for training 60 students per batch has been commissioned. The Training Centre has Class rooms, Practical Training rooms, Change room, discussion room and reception. Response from local candidates for the two months certified program has been very enthusiastic.







# AEROSPACE & DEFENCE

## Best State Award for Aerospace Sector

Aerospace and Defence sector in Telangana witnessed yet another year of remarkable growth in 2019-20. Telangana State has received the Best State Award for Aerospace Sector from Ministry of Civil Aviation, for the progress and achievements made during the year 2019-20.

## Major Events

### WINGS 2020

The State was privileged to host WINGS 2020 - the flagship Air show and International Conference organised by Ministry of Civil Aviation and FICCI at Begumpet Airport which saw participation from a large number of global and domestic Aviation and Aerospace industry participants. The Global Aviation summit and CEO conference was hosted in Hyderabad along with WINGS 2020.

### First Indo- US Defence Ties Conference.

Since major US Defence corporations have established their manufacturing, engineering and training centres in Hyderabad, the city was chosen to host the first Indo- US Defence Ties Conference. It was attended by senior US and Indian government officials; US based Aerospace and Defence firms and their Indian supply chain partners. The US Consulate General hosted the two-day Conference in Hyderabad in partnership with the Business Council for International Understanding (BCIU) and the Confederation of Indian Industry (CII).

### DEFEXPO 2020

Government of Telangana participated in DEFEXPO 2020 at Lucknow and was invited to address the INDO French Defence Industry Seminar organised by SIDM and Aerospace Skill Conference organised by NSDC.

As a pioneering State in Aerospace and Defence, Government of Telangana was invited to address major sector conferences including the Pratt and Whitney Seminar on Aviation Industry 2019, Kuehne Nagel Aerospace and Defence Logistics Conference 2019, ICC MSME Linkage Summit 2019, CII Defence Conclave 2019.

## Investments

### Nova Integrated Systems Ltd (NISL),

Notable investments during 2019-20 include TATA Group's commitment of six new defence manufacturing projects in Hyderabad under Nova Integrated Systems Ltd (NISL), a subsidiary of Tata Advanced Systems. Their new facilities will serve as a hub for the design, development and production of Command Posts,

Combat Management Systems, Radars and Electro-Optic products, for DRDO and the Indian Armed Forces.

### Flight simulation technique centre (FSTC)

Hyderabad hosts several flying schools, engine training centres and MRO training centres and has emerged as a leading hub of aviation and Aerospace skillings. During the current year, Flight simulation technique centre (FSTC) a premier simulator aviation training establishment has opened an eight-bay simulator facility in Hyderabad to cater to training needs of commercial pilots from leading Indian and International Airlines based out of South East Asia. The facility offers simulator-based type training on A320, B737, ATR72-600 and Bombardier Dash-8 Q400 series aircraft.

### Astra Rafael Communication System (ARC)

ARC, the JV between Astra Microwave and Israel's Rafael Advanced Defence Systems established a state-of-the-art 20,000 sq ft facility in Hyderabad to design, develop and manufacture tactical communication systems for Indian armed forces. The Indo Israeli defence JV will make BNET software-defined radios which are the world's most advanced battle communication system in use by Israeli's defence forces and other advanced militaries around the world.

### SAFRAN

French Aerospace major SAFRAN group has started production and export from their Wire Harness Facility in Hyderabad. Their new facility for Aero Engine manufacturing is coming in GMR Aerospace park.

### The Ametra Group

France's leader in aerospace and defence, and Nucon Aerospace Hyderabad have established a joint venture production facility in Hyderabad called NuconAmetra Electronics Systems Ltd for defence electronics products.

## Innovation

On the innovation front, Pratt and Whitney partnered with T-Hub and ran their first aerospace acceleration programme in Hyderabad.

Airbus Bizlabs, GMR Airport and Government of Telangana has signed an MoU to cooperate and collaborate for testing and deploying sustainable solutions for airports and the Civil aviation sector.

US Government-sponsored Nexus start-up hub and T-Hub organised a unique two day Defence Start-up Workshop in Hyderabad which was attended by several local Aerospace and defence start-ups.



Confederation of Indian Industry Defence Conclave in Hyderabad, Dec 2019



Industries Minister at Curtain Raiser Event in Delhi



ICC MSME Summit



Best State Award for Aerospace 2020



Tata Nova Ground Breaking



US Defence Conference Ties Conference



Wings India 2020



## Role of TSTPC

### Trade Promotion

- Conducting workshops, trading programmes on export trade, holding exhibitions.
- Bringing out of monthly TS Trade Journal.
- Conducting Export Awareness programmes, workshops and seminars on export related matters for the exporters, manufactures and entrepreneurs.

### Logistic Infrastructure

- Container Freight Station established at a cost of Rs. 13.00 Cr. in an area of 7.10 Acres to be operationalized by selecting an O&M Operator through open tender process in 2-3 months.
- Proposal for establishment of Trade Fair Complex in Warangal. 30 acres of land identified and proposal for allotment of land is under consideration of the Dist. Collector.
- The corporation has engaged M/s Grant Thornton Consultants for preparation of DPRs and sourcing funds from TIEs scheme of Ministry of Commerce, Govt. of India for the following projects:
  - ♦ Establishment of Hyderabad Trade Centre
  - ♦ Establishment of Warangal Trade Fair Complex
  - ♦ Irradiation plant, Pack houses, PQ labs, Vapour heat treatment plants etc.



### Paper Products Manufacture

- Manufacturing and selling Golkonda brand student notebooks, plain copier paper, student dairies, scribbling pads and calendars to supply to Government Departments and open market.
- The Corporation has achieved a turnover of Rs. 40.00 crores during the financial year 2019-20 in supply of Golkonda Note books, plain copier paper, student dairies, calendars, etc to Government welfare departments and open market.



## LOGISTICS & TRADE

- Telangana State improved its ranking in LEADS indicator to 8th position in 2019 as against 9th position in 2018.
- Ware housing absorption in Hyderabad increased from 0.2 mn sq.ft in 2018 to 0.4 mn sq.ft in 2019.
- An annual conference on Logistics has been initiated by Government of Telangana in association with FICCI. Special Secretary – Logistics, attended the conference.
- Integrated Logistics Park at Mangalpally developed on PPP mode has been operationalised.
- 4 major logistics projects are under development on a total area of about 150 Acres(GMR – ESR, Embassy, HDMA Pvt.Ltd., and TVS Logistics).
- Presentation on the technical and financial feasibility of MMLP done at Department of Logistics, Government of India.
- REFCOLD – an annual event on refrigeration and cold storage was organized in Hyderabad by ISHRAE.



# AUTOMOTIVE AND ELECTRIC VEHICLE

Telangana has a long history of Auto sector presence with the likes of Hyderabad Allwyn Limited and HMT bearings. The current Auto Sector presence in the state is led by big brands such as Mahindra & Mahindra, Hyundai (R&D) and MRF Tyres. A factor that works in favour of Telangana to emerge as an Automotive hub is the shift in Automotive technology from Internal Combustion Engine to Electric Vehicles which make the existing Automotive Hubs lose any supply chain advantage they currently hold as the new technology uses little of the existing automotive architecture and components.

Telangana has been one of the early states to understand the importance of EV adoption and have put up in place many enablers for adoption of EV. The government has been proactive in implementing central government schemes while also taking help of private sector to ensure creation of charging infrastructure. Electricity tariffs have been rationalized to incentivize users and charging station operators.

Under FAME II, Telangana has been allocated total 325 buses for the city of Hyderabad and Warangal along with 138 charging stations.



The state is also aware of the fact that adoption of EV will create huge opportunity in manufacturing of Vehicles, Batteries, and other auto components. Battery recycling will be another area to look at in coming years. The state has already received a number of interests by global companies to put up their manufacturing units in Telangana which will provide a competitive advantage for the state to attract future investments in manufacturing.

## Telangana comparative advantage with other states:

- Good Labour Supply for shop floor activities.
- Strong Knowledge Sector (only second to Karnataka) to support Automotive R&D.
- Good land bank with prices significantly lower than Tamil Nadu, Karnataka and Maharashtra.
- Strong electronics manufacturing sector presence for EV ecosystem integration.
- Best in class Social infrastructure.
- Strong logistics advantage with its location and highway network.

- Ease of Doing Business and Auto Sector Focus.
- Major Automotive market (Under top 5 in India).
- 24\*7 Power supply and water availability.
- Government funded initiatives to support future mobility technology initiatives.

## Electric Vehicle Summit Hyderabad 2019

Indian Chamber of Commerce Hyderabad organized an Electric vehicle Summit 2019 in association with Government of Telangana on the theme of attracting investments and creating employment opportunities in the electric mobility sector. Aktivolt Celtek and Gayatri Project Limited also supported the event. The highlight of the summit was the announcement of State EV policy and a visit of UK and Bolivian business Delegation for B2B meetings with Indian Industry. The summit observed discussions on the future of Electric vehicles in the upcoming year and providing best in class ecosystem and infrastructure to make Telangana the EV Hub of India.

Inaugural speakers included Uday Kumar, Director Planning and Marketing NSIC, Ministry of MSME; William Hopkinson, Acting Deputy High Commissioner Hyderabad; Jayesh Ranjan (IAS), Principal Secretary, I&C Dept., Govt. of Telangana; J. J. Cortez, Ambassador, Plurinational State of Bolivia; Rajiv Reddy, Chairman southern council, ICC; Rashmi Urdhwadhe, Director, ARAI; G Padmanabham, Director, ARCI.



## Recent Developments

- Draft EV policy submitted to State Government for approval.
- EV has been identified as one of the focus segments in investment promotion in Auto Sector.
- Three major investment proposals in EV bus manufacturing have been received.
- GoI has allocated EV charging stations for Hyderabad and Warangal under FAME 2 scheme.
- Telangana Government participated in Electric Mobility workshops held in Sweden and Singapore. The objective is to make Telangana an investor destination in EV manufacturing.

## Marketing Activities

TSLIPC Marketing activities involve fulfillment of the demand of leather products / foot wear to Government Departments such as Social Welfare, Tribal Welfare Department, Telangana Minorities, BC Welfare, National Academy for Construction (NAC), etc.

**TSLIPC has executed orders as per details below**

S.No	Year	TSLIPC Sales
1	2017-18	8,60,85,655
2	2018-19	16,44,49,848
3	2019-20	18,32,90,691

## SC/ST Hub

The Government of Telangana has nominated the Telangana State Leather Industries Promotion Corporation Ltd (TSLIPC) as Nodal Agency to implement Government of India Awareness Programmes for SC-ST Hub Scheme in Telangana State and released an amount of Rs.2.00 Crores. The scheme comprises of the following four components (i) Exhibition/Trade Fairs (ii) Vendor Development Programmes (VDPs) (iii) Workshops/Seminars/Awareness Campaigns (iv) Skill Development Training Programmes.

For the year 2018-19 Rs. 58,65,272 expenditure has been incurred towards these programmes.



## Programmes conducted during the year 2019-20

Sl. No.	Scheme Components	No. of Programmes Conducted
1	<b>Awareness Camps</b> <ul style="list-style-type: none"> <li>Warangal(Urban),</li> <li>Bhadrachalam(Khammam),</li> <li>Utnoor(Adilabad),</li> <li>Mahabubnagar,</li> <li>Siddipet,</li> <li>Kamareddy,</li> <li>Jayashankar Bhupalapally,</li> <li>Yadadri Bhuvanagiri,</li> <li>Narsampet-Warangal Rural</li> </ul>	9
2	<b>Vendor Development Programme</b> <ul style="list-style-type: none"> <li>Hyderabad</li> </ul> <p>Public Sector Companies involved:</p> <ul style="list-style-type: none"> <li>M/s.Bharat Electronics Limited (BEL).</li> <li>M/s.Petroleum Conservation Research Association (PCRA)</li> <li>M/s.Hindustan Petroleum Corporation Limited (HPCL)</li> <li>M/s.Bharath Dynamics Limited</li> <li>M/s.Vishakapatnam Steel Plant.</li> <li>M/s.Vasantha Tool Crafts Pvt. Ltd</li> <li>M/s.Aurobindo Pharma Limited.</li> <li>M/s.Energy Efficiency Services Limited (ESSL)</li> </ul>	4
3	<b>Skill Development Trainings</b> <ul style="list-style-type: none"> <li>Warangal (urban)- Lab Technician</li> <li>Mahabubnagar - Automotive Paint shop assistance</li> <li>Baghamberpet, Hyd - Specialized Sewing Machine Operator</li> <li>Sitaphalmandi, Hyd - Electrical Power system</li> <li>Medchal - Food Processing</li> </ul>	5

For the above programmes an amount of Rs.70,11,540 has been incurred and approximately 3000 SC/ST beneficiaries have attended these programmes.



### MoU with Central Leather Research Institute, (CLRI) Chennai

A meeting was held in July 2019 for development of Mini Leather Parks and Mega Leather Cluster in Telangana in PPP model with Central Leather Research Institute, Chennai and Council for Leather Exports, Chennai. The Chairman and Principal Secretary to Government & CIP, Industries and commerce dept. has permitted to go ahead with Inspection of 6 Mini Leather Parks and preparation of business proposition.



Initially in Phase - I, CLRI shall inspect the six mini leather parks identified by TSLIPC and study the present status of those leather parks in all aspects such as infrastructure, location benefits, layout, availability of resources - men, machineries, materials, etc., and social livelihood in the respective villages, auxiliary requirements, utilities, industrial amenities and thereafter prepare the appropriate business proposition for all those six mini leather parks.

### CLRI, Chennai has agreed to develop following 6 Mini Leather Parks

Sl. No.	Mini Leather Park	District	Land in Acres
1	Pollepally	Mahabubnagar	25.00
2	Dendempally	Nalgonda	25.06
3	Mandamarri	Mancherial	24.00
4	Jinkunta	Nagarkurnool	25.00
5	Rukmapur	Karimnagar	40.01
6	Malleamadugu	Khammam	25.13

Following activities need to be carried out for preparing the DPR.

- Studying the present status of the mini leather parks
- Preparation of business proposition for each of the six leather parks
- Preparation of DPR for each of the six leather parks
- Preparation of guidelines for inviting, engaging and partnering with MNCs and MLUs for setting up leather industries in these parks in PPP mode.



### Timeline / Activities for preparation of detailed project report

Activities	Month 1	Month 2	Month 3	Month 4	Month 5
Inspection of 6 mini-leather parks					
Preparation of business proposition					
Preparation of DPR along with necessary guidelines for inviting, engaging and partnering with MNCs and MLUs in PPP mode					





# SUGAR DEPARTMENT

## Overview

The Sugar Department is working with a holistic approach for strengthening sugar industry by promoting sustainable sugarcane cultivation and viability as well as diversification of sugar mills in the state. The sugar industry is substantially contributing to rural economic growth in the state.

- The State Sugar industry is contributing towards rural employment with a work force around 30,000 including direct & indirect employment.
- The Sugar Industry is contributing considerable revenue to the exchequer in the shape of GST on sugar, Ethanol, molasses etc. It also contributes in the form of turnover to the extent of Rs.1500 Cr., through various products, out of which around Rs.700 Cr. is being generated as income to farmers for cane price.
- The department has encouraged the industry to diversify into distilleries & Co-gen power plants and also supporting various ancillary services & units like transport, farm machinery.
- Sugar production from sugar mills supports the ancillary units like Confectionary, beverages, food processing units, sweets business etc.

## Status and Performance

The Telangana State has eleven (11) Sugar Factories with installed capacity of 34,450 Tones crushing per day (TCD), co-gen capacity of 136.10 MW and distillery capacity of 260.50 Kilo litres per day (KLPD) out of which one cooperative factory & three Joint Venture NDSL units in public sector (NDSL Joint Venture is 51% Delta paper Mills & 49% Nizam Sugars Ltd) have been defunct due to various reasons & balance seven (7) sugar mills have been functioning under private sector.

In Telangana on an average 33000 farmers cultivate sugarcane in an area of 38000 Hectares with average production of 30.00 Lakh MTs of sugarcane.

- For the 2019-20 crushing season about 26300 Hectares was planted by 25900 cane farmers and

produced about 16.00 lakh MTs of sugarcane. The cane production reduced due to the prevailing drought condition during the previous planting season in the State.

- Out of total production of sugarcane, the Sugar Mills in the state crushed 13.62 lakh MTs of Sugarcane with production of 13.81 Lakh Qtls of Sugar.
  - Ethanol Production is 30679.20 Kilo Bulk Litres by its captive distilleries. Out of which 9034.00 Kilo Bulk Litres was supplied to EBP, 17426.82 Kilo Bulk Litres was supplied for Liquor manufacturing and for other purposes.
  - Captive Co-gen units generated 124.88 Million units. Out of which 42.69 Million units was utilized for captive consumption. Surplus power of 81.88 million units was supplied to power grid.
- Enforced various Central and state Acts & rules to regulate sugarcane supply, purchase, crushing & sugar production by sugar factories, thereby improving the performance of the sugar industry in the state.
- Steps were taken to ensure timely payments of cane. Nearly 85% of cane payments out of Rs. 415.38 Cr. have been made to farmers and balance payments are under process.
- Encouraged sugar mills to avail various central schemes such as soft loans/ export subsidy schemes for clearance of FRP from time to time.
- Encouraged the cane farmers to take up plantation and as on date around 16000 Hectares of cane area has been planted for ensuring adequate supply during 2020-21 crushing season. Steps have been taken to increase cane area to meet the minimum crushing capacity of the sugar mills.
- Supplied various inputs on subsidy basis and infrastructural development was taken up towards cane development activities through Cane Development Councils in the factory zones.



Captive Distillery Plant



Captive Co-Gen Powder Plant

- The Sugar factories were encouraged to provide subsidies, incentives, loans etc., to the farmers towards cane developmental activities in the factory zone.
- In coordination with the allied departments, the Sugar Department is implementing various Central & State schemes like Farm Mechanization, NFSM & Drip implementation through nodal departments for sugarcane crop.
- All possible measures have been taken for the revival of three NDSL Joint venture units in the state through a strategic partner.
- Monitored the implementation of the Sugar stock holdings and sugar release orders of central Govt. in the state.

#### Prospects

- The sugar mills in the state have potentiality to produce 50% of the state sugar requirements (The Telangana state sugar requirement is about 7.22 lakh MTs of sugar @ per capita consumption of 18.50 Kg). The Government is encouraging farmers towards sugarcane farm mechanization through incentives and subsidies.
- The government is taking steps for timely as well as better payment for captive Ethanol & Co-gen Power by inter departmental coordination.
- The Telangana Govt., to achieve self-sufficiency in sugar production, is searching for a suitable and experienced partner well versed in the sugar sector, to revive the three sugar units and one distillery replacing Delta Paper Mills from NDSL Joint Venture. The present management laid off the units and filed Insolvency Petition in NCLT and the NCLT Ordered to

liquidate the NDSL units duly appointing a Liquidator. Aggrieved by the orders and in view of high potentiality for sugarcane production in these three NDSL unit areas for production of additional sugar of 1.10 Lakh MTs, the state Govt and Nizam Sugars Limited filed an appeal in National Company Law Appellate Tribunal (NCLAT), New Delhi and obtained stay. Final orders are awaited.

- The Captive Distilleries of sugar mills can achieve the GDI allotted targets of eleven Crore litres of Ethanol for the Ethanol Blending Petrol (EBP) program with effective implementation of IDR Act thereby removing implementation hurdles in the state.
- Ethanol produced from Molasses has superior quality when compared to other raw materials and is therefore best suited for blending with petrol. The EBP is the best solution in reducing the pollution under green energy program.
- The Ethanol is also supplied to Pharmaceutical industry and in large scale to Liquor industries which is a major source of income to the exchequers.
- There is a scope to establish assembling units for drip irrigation and Sugarcane specific farm machinery under custom hire centers, food processing units, bio-fertilizer units, paper industry in the Sugar Mill areas as ancillary units.

The department is striving to encourage establishment/development of sugar complexes by encouraging diversification of existing units, promoting ancillary units and allied food processing units with a vision to achieve the concept of manufacturing hub in the rural areas of Telangana state with an endeavor to generating more employment in the rural agro based industry sector.



Sugar Factory



Sugar Industry Complex





# FOOD PROCESSING

## Vision

To capitalize on the agricultural and allied sector prosperity brought about by the irrigation revolution in Telangana, in order to enable higher value creation and value capture by farmers, entrepreneurs, industrial stakeholders and involved government agencies in the state.

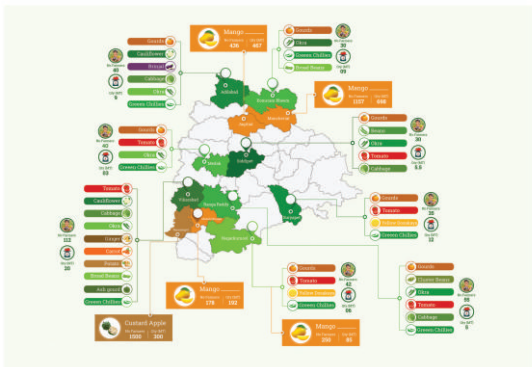
## Strategy

- Establishment of at least one major food processing unit in every non-urban constituency in Telangana to drive rural agriculture (and allied) based economy.
- Provision of dedicated enabling infrastructure for various processing sub sectors such as FMCG, oilseeds, grains, fruits, vegetables, dairy, beverages, poultry, meat and fisheries in identified prospective regions across the state.
- Establishment of reliable, cost effective and robust supply chain of agriculture (and allied) raw material for food processing industries through government facilitated farmer collectives across the production clusters in the state.

- De-bottlenecking global market access, removing regulatory restrictions and provision of adequate testing and certification capabilities.

## Key highlights of activities

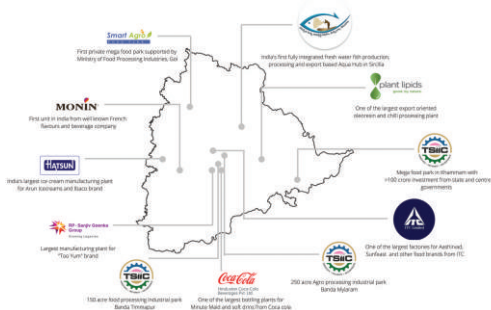
- Exhaustive mapping of the state to identify commodity wise production clusters, potential zones for development of processing sub-sectors and land parcels for promotion of specific industrial areas.
- Creation of 16 designated food parks across the state. The parks provide allottable area of approx. 4,000 acres for new food processing industries to be set up. Manufacturing units coming up at these designated food parks can avail subsidy of 35% upto 5 crores from Ministry of Food Processing Industries, Government of India.
- Commencement of operations at seven Integrated cold chain projects and one mega food park with total fixed capital investments of more than 300 crores adding to substantial capacity for processing, storing and transportation of perishables in the state.



- Establishment of a platform to provide market linkages for small farmers across the state with large food processing and retail companies in collaboration with TS SERP, Agriculture department and Agriculture University. Various pilot projects for contract farming, collective procurement and private label food processing initiated using the platform.
- Entry of major Indian and Global brands to manufacture in Telangana along with expansion of multiple food processing enterprises across the state. Investments of more than 3,000 Crores under implementation.



Major food processing and food retailers supplied to by State promoted FPO federation (Be'nishan Farmer Producer Company)



Snapshot of major food processing projects that commenced operations and started implementation in Telangana during 2019-20



Amazon has opened Telangana's largest delivery centre spread across 20,000 square feet in Gachibowli, Hyderabad. This station is part of the 90 odd delivery centres that Amazon operates in Telangana out of which 12 are in Hyderabad itself. Amazon already has three fulfilment centres having 3.2 million cubic feet product storage space. Besides, they have a big assortment centre in Patancheru and are serving over 500 pin codes in the State through their network. The company has also tied up 2,500 small shops like Kirana stores, which will help them in delivering the products to the customers and act as pick up points for customers.



### Sector Highlights

- OnePlus opens largest global R&D centre in Hyderabad. The company-owned R&D facility, spread over 1.86 lakh square feet and five storeys in Hyderabad's financial district, will house 1,500 techies over the next three years. OnePlus to also set up its largest experience centre in Hyderabad.
- Walmart opens the 4th store in Telangana at Warangal. The store will add 2,000 direct and indirect jobs in the local community.
- After success in Hyderabad, QuickrBazaar plans to set up eight experience zones in smaller cities of Telangana such as Nizamabad, Nalgonda, Mancherla, Khammam and Kothagudem.
- Q Mart launches the second store in Hyderabad at Gachibowli. The company allocated Rs 50 Crores to open three stores including two upcoming at Kokapet and Kompally.
- Flipkart opens datacentre in Hyderabad; second after Chennai, to support its core operations.
- Wonderchef plans a unit in Telangana. The company already has five outlets in Hyderabad.
- Titan unveils first Taneira store in Hyderabad for handcrafted saris.

Zoe Concepts launched BoConcept's first retail outlet in Southern India in Hyderabad. The 65-year-old Danish furniture manufacturer and retailer of contemporary furniture and lighting, features products from designers such as Oki Sato, Henerik Pedersen and Karim Rashid. The BoConcept store is spread across 4,000 sq ft and constitutes of 14 in-house studios.





# MSME

## Green Industrial park for MSMEs in Yadadri

Industries Minister of Telangana, Shri. KT Rama Rao inaugurated Dandumakapur TSII-C-TIF-Micro Small and Medium Enterprises (MSMEs) Green Industrial Park in Nov 2019. MSME Park is expected to attract 1,553 crore investments, house more than 450 industries and generate about 35,000 jobs. This is the first model industrial park to be set up for the MSME sector after the formation of Telangana. The government provided the infrastructure and basic amenities in the park and also laid a road from the park to the national highway. Minister Jagadeesh Reddy, MPs, MLAs and other officials were present at the inaugural ceremony.



## SIDBI program for strengthening MSME ecosystem

SIDBI organised an Outreach programme for strengthening Micro, Small & Medium Enterprises ecosystem in Dec in Hyderabad, in collaboration with DC -MSME, Department of Financial Services, Ministry of Finance and Government of Telangana. The main objective of the Outreach programme was to collaborate with the state government and other stakeholders for taking up activities for the benefit of MSMEs and knowledge dissemination on digital platforms.

The programme witnessed participation from various stakeholders including senior officials of Govt. of Telangana, Directorate of Industries, District Industries Centres, Reserve Bank of India, Banks, MSME development organisations, Industry Associations and MSMEs.



The programme was chaired by the Chief Guest Shri Jayesh Ranjan IAS, Principal Secretary, I&C Dept., Shri V. Sathya Kumar, Director, SIDBI, Shri Jaya Kumar, GM, RBI, Shri UNN Maiya, GM, SBI & Convenor, SLBC and Shri Chandra Sekhar, Addl Industrial Advisor, MSME-DI, Director General, NI-MSME & Principal Director, CITD, Shri Ravi Tyagi, CGM, SIDBI and Shri Sanjay Jain, GM, SIDBI.

## Telangana State Global linker

TS- GlobalLinker was launched on 27th March 2019 in collaboration with Government of Telangana to promote and support local MSMEs of the state. Since then, the portal has registered 4500+ SMEs from the state. The portal provides knowledge & efficiency tools, digitizes stores and creates free e-marketplace for SMEs to buy, sell and connect with potential partners.

GlobalLinker and Confederation of all India Traders (CAIT) joined hands recently to launch "SMEs of Digital India" program aimed at digitizing the business of more than 7 crore traders in India. GlobalLinker team has been actively working with the government and participating in industry association events to spread awareness about the portal.



## CII MSME Summit

CII in collaboration with Govt. of Telangana organized MSME SUMMIT with the theme 'Enhancing Competitiveness & Integration with Global Network' in Oct 2019 in Hyderabad. The key objectives of the conference were to discuss the issues and challenges faced by MSMEs in accessing funds and create awareness about the opportunities present in international markets and effective models & strategies of financial management.



Speakers at the conference included Mr Rudra Jadeja, CEO Kalyani Rajal, Mr Raminder Singh Sain, MD, Skyquad Electronics & Appliances P Ltd, Mr E V Narasimha Reddy, VCB&MD TSII, Mr D Raju, Chairman, CII Telangana & CEO & MD, Kirby Building Systems & Structures India P Ltd., Mr Ashok Atluri, Chairman & MD, Zen Technologies Ltd. among others.

industries.telangana.gov.in/MSME.aspx

### World Design Assembly / Hyderabad Design Week

The inaugural edition of Hyderabad Design Week (HDW)- a high impact citywide design festival which brought together world-leading design practitioners to present and explore the best in human-centric design innovation was hosted by the Government of Telangana, in partnership with India Design Forum (IDF) and the World Design Organisation (WDO) from 9-13th Oct 2019. Hyderabad Design Week also played host to the 31st edition of World Design Assembly (WDA)- the first time that this prestigious event was held in India.

Hyderabad Design Week included citywide activities including workshops, installations, exhibitions, city tours curated in partnership with stakeholders such as Designaware, DoScience, Hyderabad Urban Labs, B2Fays Creation, Inquilabs, JNAFAU, NIFT, IIT Hyderabad, Woxsen, Hamstech, Taiwan Design Centre, Avantika University, St+Art Foundation India, British Council, Alcubeis Design Solutions, Indian Institute of Crafts & Design Jaipur, Indiefolio network, DPIIT, Autodesk, Kalakriti Foundation, LVPEI, Microsoft, NASCOM, IXDA and CII. The 25+ citywide activities were open to all, and most of these were available free of cost to attendees.

The Design Conference at HICC saw eminent design speakers deliberating on the event theme of 'Humanizing Design' with topics such as 'Material Futures' by Sandeep Sangaru, 'Good Design for a bad world' by Marcus Fairs of Dezeen, Sustainable Fashion, Designing the human experience by Tim Kobe, Eight Inc, Senseable Design by Emma Greer of Carlo Ratti Associati, Designing Aspirations by Pratap Bose, Tata Motors, Democratic Design: Loo Café panel by Jane Withers and others, Movie magic: Power of VFX by Pete Draper of Makuta Visual effects. WDO brought out many influential speakers such as Brandon Gien of Good Design Australia, Tanyardzwa Sahanga, former innovation manager at Adidas, Hari Nair of Design for winning, Nan O'Sullivan from Victoria University Wellington, Praveen Nahar, NID Ahmedabad Director, Carlos Ferrando of Closca Design Studio, Anne Asensio from Dassault Systems and Rajiv Kumar from Microsoft. Hon'ble Industries and Commerce Minister Shri. K. T. Rama Rao addressed the joint session of WDA and HDW on 12th Oct. He mentioned that Hyderabad was fast becoming a hub for creative city projects such as Maqtha art district, Loo Café, Dialogue in the dark, talking hands etc. and also was gaining prominence in the new age fashion which is both eco-friendly and affordable. He highlighted the importance of crowdsourcing ideas from young minds on sustainability-related issues such as through competitions as organized by CII, Inquilabs and JNAFAU.



Shri K. T. Rama Rao, Hon' Industries Minister addressing the delegates of HDW and WDA on 12th Oct at HICC



160+ Members of World Design Organization at the World Design Assembly which concluded on 11th October at HICC

### HDW Installations - Citywide and Design Expo at HICC



Installation at Hussain Sagar lake by St+Art Foundation India for raising awareness about plastic pollution using 3 lakh upcycled plastic bottles



Installation at Design Expo - HDW at HICC



HDW Autoprints by artists organized by Indiefolio Network and supported by Govt. of Telangana



British Council stall on Loo Cafe 2.0 at Design Expo – HDW at HICC



IKAT Twiri installation at Rajiv Gandhi International Airport at Hyderabad



Unlearn and IKEA exhibits at Design Expo – HDW at HICC



Designaware bamboo installation at Khairatabad traffic intersection



Taiwan Design centre exhibit at Design Expo – HDW at HICC



HDW Fashion show at Hitec



Launch of Hyderabad Design Week Coffee Table Book by Hon'ble Minister Shri K T Rama Rao, WDO Incoming President Srinil Srinivasan, Luisa Bocchietto WDO President, Dr. Ashish Kumar, Sr. Development Commissioner DPWT, Prl. Secretary I&C Dept Mr. Jayesh Ranjan, Rajshree Pathy, IDP



The State of Telangana is the first in the country to come up with an innovative solution to the widespread problem of industrial sickness, particularly in manufacturing Micro and Small Enterprises (MSEs). TIHCL started on 2nd April 2018 as a fintech driven Non-Banking Finance Company to diagnose and cure stress in manufacturing MSEs. It is now in its second year of operations, which is a "Year of Exploration". The Company, which started with a small capital and a limited range of services, has expanded its operations by introducing more customised products to its range to help diversified customer needs. It has also expanded its reach by foraying into relationships with other associations, banks and other developmental organisations.

#### Various Product offerings of TIHCL include

- 1 Revival and Rehabilitation and Margin Loan Facilitation
- 2 Credit Facilitation
- 3 Overdue Bill Purchase
- 4 Critical Amount Funding
- 5 Stressed Asset Financing
- 6 Priority Sanction
- 7 Bridge Finance

#### Products especially designed to support women entrepreneurs

- 8 NARI (Nari Assistance Revival of Industry)
- 9 WE (Women Enterprise) Loans
- 10 Swashakti (For New Units by Women-entrepreneurs)

To reach all the MSEs in Telangana, TIHCL has launched i-Health, a cloud-based online computer application on 24th May 2019. i-Health facilitates the stressed manufacturing MSEs to approach and avail the services of TIHCL from anywhere in the State, without even the need to come to the Company's office.



TIHCL's i-Health Launch

#### TIHCL's Impact on MSEs in the Year 2019-20

Units Revived	18
Units in the process of revival	11
Employment reinstated	490

TIHCL has been proactive in dealing with the stress of manufacturing MSEs and in improving its product offerings to provide one stop solution to those who knock its doors.

#### Major accomplishments during the second year of operations

##### ● TIHCL strengthened its commitment to revive stressed MSEs by signing MoUs with

- State Bank of India (SBI)
- Association of Lady Entrepreneurs of India (ALEAP)
- Confederation of Women Entrepreneurs (COWE)



TIHCL Exchanging MoU with COWE

##### ● Select Bankers Meeting with Shri Jayesh Ranjan, Principal Secretary (I & C)

The meeting was called by Shri Jayesh Ranjan to explain bankers the need for reducing NPAs in the State in general and in MSME sector in particular in the context of stimulation package announced by the Union Finance Minister in budget 2019 and requested the banks to contact their headquarters for entering into MoU with TIHCL; In the meantime, he suggested that they may refer cases of stressed enterprises SMA1 & 2 to TIHCL for finding an appropriate solution.

##### ● Customer Outreach Initiative (Shamiana Meetings)

In a bid to reach people across remote areas, the Public Sector Banks have started conducting 'Credit Shamianas' for easy disbursement of loans. In Telangana, 8 districts were selected and proposed for such meetings. TIHCL has attended meetings at Gadwal and Warangal Districts. TIHCL is continuously putting efforts to establish cordial relationships with all the stakeholder of the MSME sector.

##### ● CII MSME Conclave

A one day program was organized by CII with various industry experts from SBI, TSIIC, RXIL, Ernst Young. The Honorary Consul General of the Republic of Korea was the Chief Guest for the event. A presentation was given on the concept of TIHCL along with sessions on Financial Management for MSME's and "What Ails MSME; What Aids MSME" by MD&CEO Mr Sanjaya Maruvada and Advisor Dr Yerram Raju respectively.

## Hyderabad City Knowledge and Innovation Cluster

RICH will lead the Hyderabad City Knowledge and Innovation Cluster, an initiative spearheaded by the Office of Principal Scientific Adviser (PSA) to the Government of India (GoI). Hyderabad has been chosen as a Mega Cluster along with Bangalore, Delhi and Pune. The formation of these Clusters aims to solve complex local challenges by creating collaborative networks between diverse stakeholders of the research and innovation space. Through this initiative, the RICH model will be replicated across various cities in the country. As part of this initiative, RICH will initiate multidisciplinary projects in the areas of agriculture, nutrition, health and waste management. These projects will leverage the local expertise and strengths of Telangana, and will facilitate ease of access to funding from the relevant central ministries.



Mr. Jayesh Ranjan, Principal Secretary to Government of Telangana, delivering the opening remarks at the first meeting of the Hyderabad Cluster on Oct 18, 2019. Also seen (from left) - Mr. Ajit Rangnekar, RICH; Dr. Ayesha Chaudhary, NITI Aayog; Dr. Arabinda Mitra, Office of PSA; Dr. Arun Bharadwaj, Office of PSA.

## Startup Advisory Services

RICH worked with several new startups this year, bringing the total number of startups assisted till date to over 95. During the year, RICH team worked with 10 startups in the Aerospace, Defence and Sustainability sector; 18 in the Food and Agriculture sector; and 20 in the Lifesciences sector. These were at varied levels of preparedness – ranging from ideation stage to prototype or proof of concept stage to revenue generating stage.

A few of the early-stage startups that RICH started working with a couple of years ago showed excellent progress this year. For e.g. Temperate Technologies, an energy-efficient cooling startup, won a number of awards such as DBT-BIRAC BIG Award, Social Alpha/Tata trusts' Energy Challenge 2.0, and Climate Launchpad 2019 in the last financial year.

Similarly, 14 Weeks Technologies, a drone-based solar PV panel health assessment startup, has grown from having scanned about 1GW of installed capacity in early

2018 to 6GW in early 2020, effectively capturing almost 18% of the market.

Another ideation-stage startup mentored by RICH, Transform SciTech, working on novel drug delivery systems, received DBT-BIRAC's BIG award for INR 50 Lacs for their Microneedle Patch project.

A RICH-assisted MedTech startup working on a smart device to produce Type-2 ultra-pure water received BIRAC's grant worth INR 1.3 crores.

Med C Pharma, a start-up developing innovative nutraceuticals, bagged an order for INR 50 crores from India's leading pharma chain as a result of RICH's intervention.

RICH also helped Kheyti, a startup providing technology solutions to small farmers, to increase its farmer beneficiaries from 70 to 200 which boosted its revenue by INR 4 crores.

Interventions of RICH also helped Khadyam Foods, a culinary platform, to obtain private funds of INR 1.5 crores.

## Institutional Startup programs

RICH supported the formation of the Administrative Staff College of India (ASCI)'s proposed Sanitation Hub - a focused incubator for WaSH (Water, Sanitation and Hygiene) startups - by identifying and reaching out to relevant startups on behalf of ASCI. RICH was also a partner in ASCI's INK@WASH summit and was a part of the Advisory Committee.



Ajit Rangnekar, DG-RICH, chairing a session at INK@WASH

RICH also supported a number of startups as a part of the World Wildlife Fund (WWF) Climate Solver program run through the Indian School of Business (ISB)'s D-Labs incubator.

RICH extended its mentoring services to Agri Business Incubation Centre of the National Institute of Agricultural Extension Management (MANAGE), CMR Technical Campus, Sreenidhi Institute of Science and Technology, and CVR College of Engineering.



### Transformational Programs

**Project Tej** - RICH, on behalf of the government of Telangana, will anchor the country's first industry alliance to launch open innovation testbeds for MedTech ecosystem. RICH will partner with Cyient and Xynteo along with several prominent hospitals and organisations such as Sunshine Hospital, Global Hospital, LV Prasad Eye Institute, Star Hospital, Malla Reddy Health City, NICE Foundation, Fernandez Hospital, Mediciti Hospital, KIMS Hospital, SHARE Foundation, TATA Trusts and T-Hub for this project.

**Access Livelihood Consulting (ALC)** - RICH is working with ALC India to obtain project funding of INR 75 lacs under the Women Entrepreneurship Program funded by UNDP. Social Investment Opportunity-II is yet another project of ALC supported by RICH with an outlay of INR 10 crores, which aims to impact the lives of 1 lac women producers.

### International Partnerships

- RICH worked with DIT UK and the Deputy High Commission in Hyderabad to conduct the second edition of the India Graphene Camps – a roadshow meant to highlight the research on Graphene being conducted at the University of Manchester, UK. RICH is now in discussions for the setting up of a Center of Excellence for Graphene in Telangana.
- RICH held discussions with the International Center for Integrated Mountain Development (ICIMOD) for identifying and commercialising potential Indian Agro technologies in Bhutan. An MoU will be signed between RICH, ICIMOD and the Government of Bhutan during the year 2020-21.
- RICH is involved in an ongoing dialogue with several innovation centres in Sweden such as H2 Health Hub, Astra Zeneca Bioventure Hub, GoCo Health Innovation City for exploring a potential partnership for knowledge sharing, enhanced export, and internationalization of Swedish healthcare and lifesciences.
- RICH partnered with Purdue University's Shah Family Global Innovation Lab for their Seed Grants Award program. A RICH-supported startup, Marut Drones has been selected as one of the top companies for the program for its vector control project.

### Corporate Partnerships

RICH signed an MoU in July 2019 with Medtronic Labs for implementing and expanding health screening programs in Telangana ranging from Comprehensive Ear Care to Non-Communicable diseases. RICH also launched a mentorship program for startups with Medtronics.



Medtronic Labs and RICH teams at the MoU signing event.

### Events and Conferences

RICH organised and partnered several events, conferences and workshops during the year. The important ones are listed below:

- Partnered with IIIT-H and Action for India for their accelerator and social entrepreneurship workshop in April 2019.
- Participated in a panel discussion at the India-Sweden Baltic Region seminar as part of the Vitalis conference in Sweden in May 2019.
- Event Partner for the Research Connect Forum organized by Elsevier and IIIT Hyderabad in June 2019.
- Conducted a sensitisation workshop on India Rwanda Innovation Growth Program (IRIGP) and India Ethiopia Innovation and Technology commercialisation Program (IETCP) in Hyderabad in July 2019. RICH facilitated partnerships between Government of Rwanda and IIIT-H, Agrinnovate, National Collateral Management Services Limited (NCML) and Prasad Seeds under the IRIGP.
- Conducted DST-supported training program on Patent Search and Analysis in Research for women scientists under Women Scientist Scheme(WOS-A) in September 2019.



RICH and ICRISAT teams with the women scientists at the training program.



### World Economic Forum, Davos

The 50th annual meeting of the World Economic Forum (WEF) gave a fresh boost to Telangana in its endeavours towards attracting investments to create more jobs. The State bagged a Rs 500-crore deal with Piramal Group, besides promises for more investments shortly. Despite the presence of delegations from Karnataka and Madhya Pradesh, Telangana's delegation created a huge buzz in Davos, catching the attention of world business leaders.



The four-day visit of the Telangana government's delegation, led by Minister KT Rama Rao, was hectic with the Minister meeting several prominent leaders from across the world, including Central Ministers from various countries and top executives of global corporations. He not only participated in over 50 bilateral meetings with head honchos of global corporations but also addressed five engaging sessions with business and political leaders. Alphabet Inc. and Google CEO Sundar Pichai, Coca Cola CEO James Quincey, Salesforce founder and chairman Marc Benioff, and YouTube CEO Susan Wojcicki were among the top business leaders. The latter discussed business opportunities in Telangana with Rama Rao. Several business entities evinced keen interest in investing in the State.

The government set up an exclusive Pavilion on the Davos Promenade to showcase the business opportunities in Telangana. This visit aimed to showcase Telangana to multinational investors as an investment destination. The Minister was accompanied by Principal Secretary for IT and Industries Jayesh Ranjan, Director Digital Media Dileep Konatham and T-Hub CEO Ravi Narayan.

### FTCCI Seminar – New business opportunities - India and Malaysia

The Federation of Telangana Chambers of Commerce and Industry (FTCCI) jointly with Malaysian Investment Development Authority (MIDA) Mumbai and Malaysian External Trade Development Corporation (MATRADE), Chennai organized a Seminar on New Business Opportunities between India and Malaysia on 21st January 2020 at Federation House, Hyderabad.

Mr EV Narasimha Reddy, Vice- Chairman and Managing

### India Economic Summit, New Delhi

At the summit, Minister Shri KT Rama Rao participated in a series of meetings and sessions and a panel discussion on the 'Union of States'. The other panelists who shared their insights during the session were Amarinder Singh, Chief Minister of Punjab, Conrad Sangma, Chief Minister of Meghalaya, Kamal Nath, Chief Minister of Madhya Pradesh, and Minister for Industries, Commerce and Information Technology, Andhra Pradesh, Mekapati Goutham Reddy.



Director, Telangana State Industrial Infrastructure Corporation (TSIIC) mentioned that Telangana is looking to strengthen the two-way trade with Malaysia, as India is dependent on Malaysia for rubber and palm oil imports.

Mr. Roswaidin Mohd Zain, Consul (Investment), Consul General of Malaysia, said foreigners in Malaysia are allowed to hold 100 per cent equity ownership in manufacturing and selected service sectors. It enables repatriation of capital, interest, dividends and profits without any restrictions. He informed that Malaysia had signed investment guarantee agreements with more than 60 countries and had intellectual property laws that conform to international standards. He also said that there is an import duty exemption for raw materials, components, machinery and equipment.

Mr Muzzafar Shah Hanafi, Consul & Trade Commissioner, Consulate General of Malaysia in Chennai mentioned that both the countries must look beyond palm oil and explore other areas of trade and collaboration such as ICT, pharma & life sciences, among others.



Mr. Roswaidin Mohd Zain, Consul (Investment), Consul General of Malaysia delivering presentation on Leveraging Malaysia for ASEAN Expansion, Mr. EV Narasimha Reddy, Vice- Chairman and Managing Director, TSIIC, Mr. Muzzafar Shah Hanafi, Consul & Trade Commissioner, Consulate General of Malaysia in Chennai and Mr. K. Bhaskar Reddy, Vice President, FTCCI on dais

### CII Man'Exe 2019 and TS Industry Awards

Telangana government announced the Winners of the 3rd Industries Awards 2019 at CII Conference on Manufacturing Excellence. Addressing the Conference, the chief guest Shri KT Rama Rao said that "the current time is the best time to invest and become an entrepreneur". He also appreciated the corporate tax reduction in the country.

The event also saw attendance from Mr. Jayesh Ranjan IAS, Principal Secretary, Industries & Commerce and ITE&C Departments, Government of Telangana, Mr. D Raju, Chairman – CII Telangana & MD & CEO, Kirby Building Systems & Structures India Pvt Ltd and Ms. Malavika Jaggi, GlobalLinker.



### TSIPASS-completion of 5 years

Industries and Commerce Dept. organized a celebration event for the completion of 5 years of TS-IPASS portal in Telangana. The event was attended by 1300 people from various depts. and industries. On this occasion excellence awards were also given to the District Collectors, District Industries Promotion Committee (DIPC) and General Manager, District Industries Centre /Convener, DIPC of the respective Districts.



### Korea Caravan Event

'Korea Caravan' is an event organized annually by the embassy of the Republic of Korea in 2-3 selected states with the cooperation of the state government to enhance mutual understanding and explore mutually beneficial cooperation in diverse sectors, including the promotion of Korean investment and business in state and cultural exchanges. This year a 48-member strong high-level delegation comprising Korean business people, diplomats and Taekwondo performers led by the Ambassador of the Republic of Korea to India visited Hyderabad from 24-26 Sept 2019.



### FTCCI Seminar – Business matching - India and Thailand

The Federation of Telangana Chambers of Commerce and Industry (FTCCI) partnered with the Department of International Trade Promotion, Ministry of Commerce, Thailand, Thai Trade Centre, Mumbai and Royal Thai Consulate General, Chennai in organizing a Seminar, Business Matching & Networking Between India and Thailand in Jan 2020, at Hyderabad.

The objective of the event was to help Indian companies connect with Thai companies, who are looking to grow their business. It also aimed at expanding new business opportunities for Thai industries to be a source of supply to the furniture industry in India. The delegation was headed by the Hon'ble Deputy Prime Minister and Minister of Commerce of Thailand – H.E. Mr. Jurin Laksanawisit. The event was attended by Hon'ble Industries Minister K. T. Rama Rao, President FTCCI Karunendra S. Jasti and Prl. Secretary Industries dept. Jayesh Ranjan.



## AWARDS & RECOGNITION

### Telangana gets Most Improved Big State in Governance award

Telangana State was awarded the Most Improved Big state in Governance for 2019 at India Today State of the States Conclave. Rajyasabha MP Sri K. Kesava Rao received the award on behalf of State from Hon'ble

Union Minister Prakash Javdekar at India Today State of the States Conclave-2019 in New Delhi on 22nd November 2019.



### Telangana bags Swachh Survekshan Grameen Award

Telangana added another feather in its cap with the Swachh Survekshan Grameen Award-2019. Union Minister for Chemicals and Fertilisers Sri D. Sadananda Gowda presented the Award to Panchayat Raj and Rural Development Minister Sri Errabelli Dayakar Rao in New Delhi on 19th November 2019.

Under the leadership of CM Sri K. Chandrashekar Rao,

Telangana Government has taken up novel initiatives for improving sanitation conditions in the State. The Palle Pragathi (the 30-day Action Plan to solve the civic problems in the rural areas) programme carried out by the Government enabled the State to achieve remarkable results in sanitation and also helped in controlling the spread of diseases.



## NOTES

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## NOTES

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Government of Telangana

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