

Telangana State Trade Journal

EXPLORING NEW TRADE FRONTIERS

VOLUME - 6

ISSUE - 3

MARCH 2021



Read

Trade

Export



TSTPC

EXPLORING NEW TRADE FRONTIERS

TELANGANA STATE TRADE PROMOTION CORPORATION LIMITED

D.No. 5-10-174, Shakkar Bhavan, 2nd Floor, Fateh Maidan Road, Hyderabad-4
Phone: +91 40 23237591, Fax: +91 40 23231249, Email: info@tstpc.org, web: www.tstpc.org



H.E. Mr. Emmanuel Leanain, Ambassador of France and **Dr. Marjorie Vanbaelinghem**, Consular General of France formally met Hon'ble Minister **Sri K T Rama Rao**, Industries & Commerce, Information Technology, Electronics & Communications, MA & UD, **Sri Jayesh Ranjan**, IAS Principal Secretary, Industries & Commerce, Information Technology & Communications, Government of Telangana

Tariff for Advertisements in the TS Trade Journal

Publication Tariff	
Cover Page Inside (Colour)	
1. Full Page (once)	Rs. 20,000/-
2. Half Page (once)	Rs. 10,000/-
3. Quarter Page (once)	Rs. 7,500/-
Inside TS Trade Journal (Colour)	
1. Full Page (once)	Rs. 15,000/-
2. Half Page (once)	Rs 7,500/-
3. Quarter Page (once)	Rs 5,000/-

Telangana State Trade Journal is published every month to provide information on day to day development and new projects in the trade, industry and investment and analytical study reports and statistical data on industry, trade/exports, industrial and export infrastructure, economy, Energy, Government schemes, policies of different states, potential sector study reports etc. The contents of the **Telangana State Trade Journal** provides lot of insight for the businessmen, Government machinery and various institutions involved in the promotion of trade industry and infrastructure which enables to re-orient their projects, policies, business strategies, project finance, implementation process etc.

500 copies **Telangana State Trade Journal** are being published every month and circulated to all top industrialists, exporters, Export Promotion Councils & Trade Bodies (across the country), Foreign Embassies, Officials of the Industries & Commerce and other related Departments at all levels both State and Central Government, Government Undertakings, Research, Development & HRD Institutes, Industrial Associations, Financial Institutions, Centres of Excellence, Academic Institutions.

Advertisements will be printed in colour as per the tariffs indicated in the above table. Cost of Advertisement shall be paid in the form of crossed Demand Draft drawn in favour of "Telangana State Trade Promotion Corporation Limited" along with the copy of the advertisement. A Soft Copy of the advertisement shall also be emailed to sailaja.tstpc@gmail.com. The Demand Draft along with the advertisement shall be sent to "TSTPC Limited" Telangana State Trade Promotion Corporation D.No.5-10-174, Shakkar Bhavan, II Floor, Fateh Maidan Road, Hyderabad- 500 004". **For any further information**, please contact: Dr. M. Sailaja, Associate Editor @ 9959666311.

MONTHLY TRADE JOURNAL

Telangana State Trade Promotion Corporation Limited.

Volume : 6

Issue : 3

March : 2021

CONTENTS

Telangana IT exports to cross Rs 1.4 lakh cr	3
Laxai Life Sciences to invest Rs 400 crore in Telangana	4
Biopharma industry hails TS govt-enabled life sciences growth	5
TS life sciences attracts Rs 3,700 cr investments in last year	6
New credit rating tool for MSMEs in Telangana	7
KCR announces Rs 1,000 cr Dalit empowerment scheme in Telangana	8
KCR for new policy to promote horticulture	9
IIT Hyderabad based startup PURE EV set to launch electric bike soon	10
Telangana to set up National Center for Additive Manufacturing	11
Telangana to formulate 'Space-Tech policy'	12
Multiple selling platforms for farmers in Telangana	14
NABARD glad to be part of Telangana's growth story: CGM	16
Double delight for Telangana, State and KTR win SKOCH awards	17
We-Hub joins hands with JKEDI	18
SCR's first Kisan rail chugs off from Telangana	19
'Cyber warriors' at all Telangana police stations to fight cyber crime	20
Telangana entrepreneur in Forbes India under-30 list	21
BHEL commissions second unit of 800 MW Gadarwara plant in MP	22
Make in India' campaign epitomises challenges facing	
US-India trade relationship: USTR Report	23
I have extreme respect for India and what it does, says new WTO chief	24
India will invest ₹6 lakh crore in port projects by 2035: PM Modi	26
Indian Trade Analysis	27

Managing Editor :
E. VENKAT NARASIMHA REDDY
JMD, TSTPC

Associate Editor :
Dr. M. SAILAJA
Manager, TSTPC

The views expressed in this publication are those of the individual authors and do not reflect the views of the TSTPC.



Message from the Joint Managing Director's Desk

It is encouraging to note the growth of the Indian exports 0.83% during the last one year till October, 2020. April 2020 is the worst hit at (-) 34%. However, India's share of total exports in the world has substantial increase from 1.99% from 2014 to 2.15 in 2019. **India stands at 8th rank in Services Exports and 10th rank in Merchandise Exports in the World. India's exports to top countries has dropped like UAE (-51%), USA (-12%), Hong Kong (-19%), Singapore (-15%), Germany(-12%), UK(-20%), Netherland (-33%) and Nepal (-29%).** The major export commodities that were dropped include Diamonds, Turbo-Jets of a thrust, Aviation Turbine Fuel, Jewellery of Gold set with Diamond and Vehicle parts and accessories.

I am happy to note that the share of exports from Telangana has increased **from 2.35% in 2019-20 to 3.20% in 2020-21**. Further, IT exports from Telangana is expected to grow over 7% to touch Rs 1.4 lakh crore (about \$19.1 billion) for the financial year 2020-21. In contrast, the national growth rate in the said period, according to NASSCOM, is estimated to be just 1.9% at \$150 billion. In fiscal 2019-20, **IT exports from Telangana stood at Rs 1.28 lakh crore, which was a growth of 18% over the previous financial year. The sector then created 40,000 new jobs to take the total number of direct employment to 5.82 lakh.** With the IT sector growth at 18%, Telangana grew twice the national average.

It is a pleasure to note Hyderabad-based integrated pharmaceutical company **Laxai Life Sciences**, is planning to **invest Rs 400 crore in R&D, technology** and expanding manufacturing capacity in the next 3-4 years in Telangana. Despite the widespread health and economic distress caused by Covid-19 pandemic, the life sciences sector in Telangana has responded with resilience and attracted investments to the tune of about Rs 3,700 crores in last one year with an employment potential for around 14,000 people.

Medical devices sector is another area, which promises extraordinary growth opportunities for the Telangana. The Medical Devices Park at Sultanpur continues to be the destination-of-choice and around 40 companies are establishing their manufacturing and R&D facilities.

In a major initiative aimed at accelerating the uplift of Dalit in Telangana, Chief Minister K Chandrashekhara Rao announced a **Rs 1,000 crore 'Chief Minister's Dalit Empowerment Scheme'** to be implemented from the ensuing financial year.

I am happy to note that **IIT Hyderabad (IIT-H)** incubated startup **PURE EV is all set to launch its first electric motorcycle – ETRYST 350**. This flagship product has been completely designed, developed and manufactured in India and represents a major leap in the Indian electric vehicles sector. The company will deploy 50 demo vehicles by end of March 2021 across India to make them available for test drives at specific outlets. It is very happy to note that the Government of Telangana, **Ministry of Electronics and Information Technology (MeitY) and the Additive Manufacturing Society of India (AMSI) are conceptualising a National Center for Additive Manufacturing (NCAM) in Hyderabad.**

The **growth of exports from Telangana state witnesses the strong and committed initiatives of the Government both in sector of Trade and Investments and also Information Technology.** The Government is implementing most attractive investment policies with successful ease of doing business in providing all industries clearances and approvals in a time bound manner. It is imminent that the state of Telangana will soon succeed as the best investment destination in the country.

E. Venkat Narasimha Reddy

Telangana IT exports to cross Rs 1.4 lakh cr

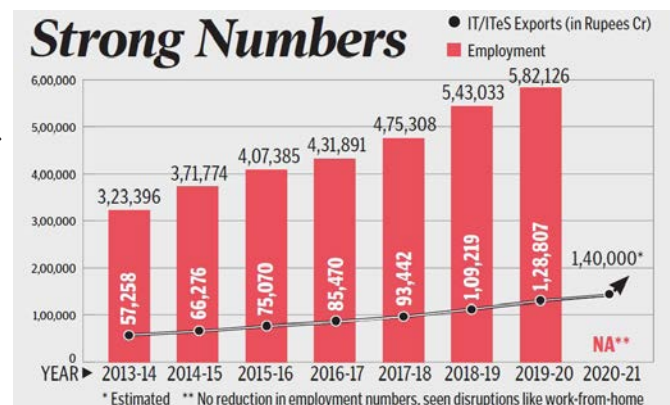
Hyderabad : 28th Feb 2021

IT exports from Telangana is expected to grow over 7% to touch Rs 1.4 lakh crore (about \$19.1 billion) for the financial year 2020-21. In contrast, the national growth rate in the said period, according to Nasscom, is estimated to be just 1.9% at \$150 billion.

In the past three quarters, IT exports in Telangana grew by five to six per cent. “The fourth quarter is expected to clock better performance and the total growth rate could be about 7-8%,” said CVD Ramprasad, Director, STPI, Hyderabad. STPI is an autonomous society under the Ministry of Electronics and Information Technology.

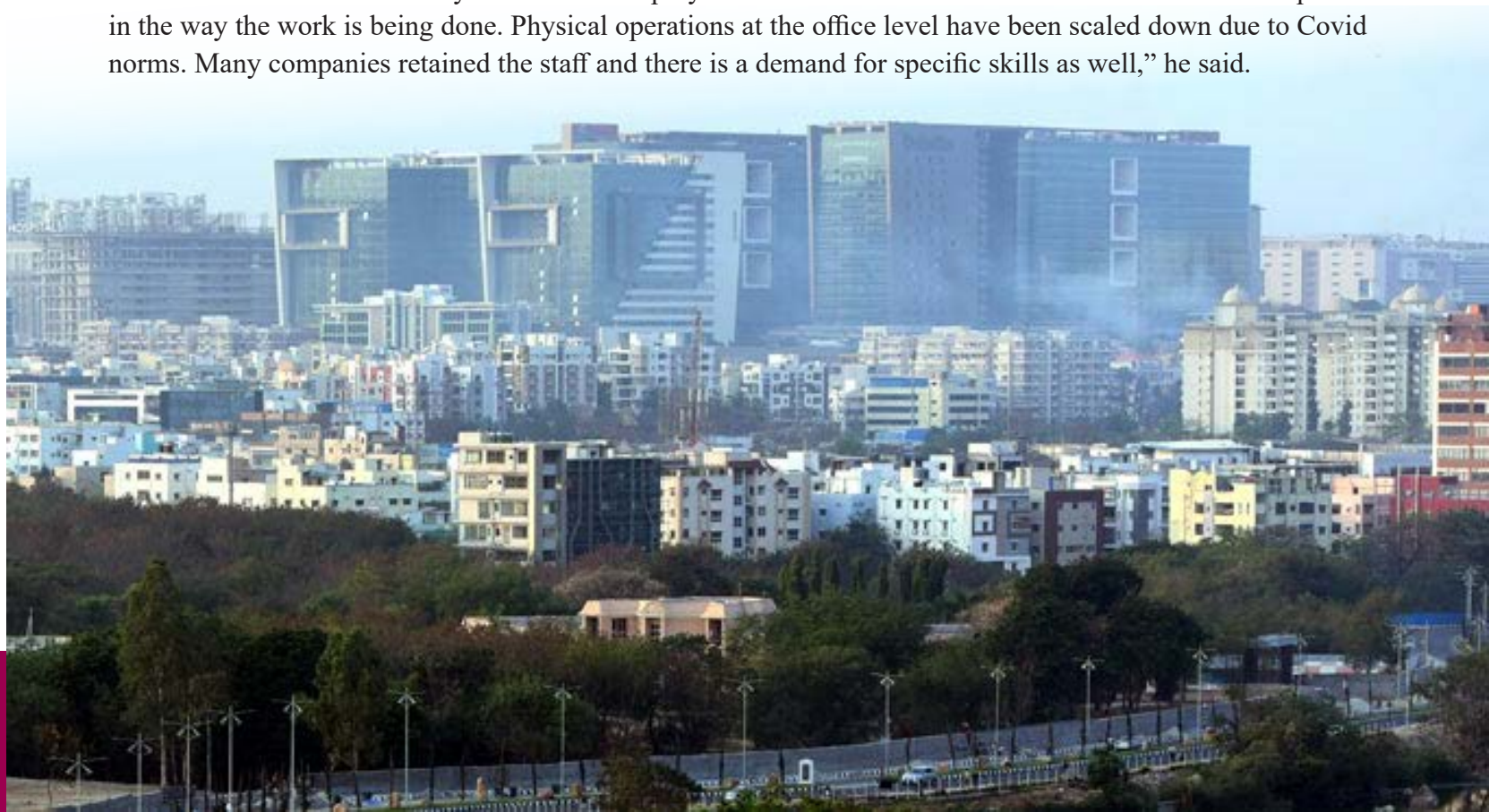
In fiscal 2019-20, IT exports from Telangana stood at Rs 1.28 lakh crore, which was a growth of 18% over the previous financial year. The sector then created 40,000 new jobs to take the total number of direct employment to 5.82 lakh. Then too at 18%, Telangana grew twice the national average.

The IT industry across the country added 1.38 lakh people to its workforce on a net basis during the current fiscal, taking the total number of employees to 44.7 lakh, according to Nasscom. “We are seeing a positive trend. If we take three quarters till December which we can talk about now, exports from Telangana have grown already by 5-6%. We expect higher growth in the last quarter ending March. So far, the State’s IT exports growth rate has been higher than the national trend and we expect the same to continue,” said Ramprasad.



Employment

Telangana’s IT industry last financial year (2019-20) saw 40,000 net additions to the workforce. However, this financial year, Ramprasad said, it will be difficult to arrive at an exact number due to new models like work-from-home and work-from-anywhere. “The employment numbers have not come down. There are disruptions in the way the work is being done. Physical operations at the office level have been scaled down due to Covid norms. Many companies retained the staff and there is a demand for specific skills as well,” he said.



According to Nasscom, over the past few years, the IT industry has been clocking a revenue growth in higher single digits or double digits as the demand for IT services continued to grow on the back of digitisation. However, the pandemic led to a sharp dip in growth hitting spends on technology. The lockdown also led to concerns over delivery as work shifted from campuses to homes.

Laxai Life Sciences to invest Rs 400 crore in Telangana

Hyderabad: 1st Mar 2021

Hyderabad-based integrated pharmaceutical company Laxai Life Sciences, plans to invest Rs. 400 crore in R&D, technology and expanding manufacturing capacity in the next 3-4 years in Telangana. It is in talks with private equity firms for investment.

The company is focused on small molecules, wants to grow in the drug innovation space (having delivered clinical candidates to customers), take up cutting-edge process R&D to scale up compounds in oncology and specialty chemicals and explore growth opportunities

in generics. Established in 2007, Laxai accelerates discovery chemistry for global pharmaceutical companies and takes up bulk drug development & manufacturing, and formulation development for innovators and generics through its two manufacturing facilities operated by its subsidiary Therapiva.

The company supports development of specialty chemicals and advanced intermediates that go into innovator molecules, compounds for oncology and generics. It also works with companies such as Dr Reddy's. It is working with IICT on antiviral drug to reduce imports at different stages of drug synthesis.

Vamsidhar Maddipatla, CMD, Laxai Life Science, said, "With IICT and CSIR, Laxai is conducting Phase II clinical trial using Colchicine to prevent cardiac injury and improve clinical outcome for Covid-19 patients. We will initiate the trial this month and may enroll 80 subjects for this trial, with an interim analysis on about 20 subjects to start with. We have applied for another product and expect Phase II approval soon."

Laxai has also partnered with A2A Pharmaceuticals which has an artificial intelligence platform with huge data on compound structures using deep learning and algorithms to work on oncology and Covid indications. Both the partners plan to take potential compounds together to clinical trials.

Contract research

The company has a facility in Genome Valley catering to the US and European biotech companies. "We work with biotech and pharma companies taking their ideas to conceptualisation stage using insilico software, synthesising compounds and figuring out which of those compounds can become potential hits, nominating leads through medical chemistry work, and identifying, stabilising and characterising the molecule and filing for the clinical trial. Our revenues in contract research are growing at 30-35 per cent year-on-year." "Almost 60 per cent of our work is focused on the oncology segment. We also carry out process R&D on compounds to scale up so that yields are delivered," he added.



Pharma City

Maddipatla said the master plan and the concept of Hyderabad Pharma City is phenomenal. It is one-of-its-kind in India. There is no other city or State which has the ecosystem that Hyderabad and Telangana have and the skill sets for such an industrial park.

“I am one of the supporters of this initiative and we are eagerly looking to see when they will start allotting land so that we can expand by setting up new manufacturing facilities. Detailed thinking that has gone into the design of the Pharma City is unique. They have addressed underground utilities, CETP, freight terminal and other infrastructure needed. The Telangana government has done a phenomenal job in conceptualising this. Not only Indian firms, companies from Korea, Japan and other countries will establish facilities here,” he added.

R&D emphasis

The company is going to develop 5-7 bulk drugs every year, which it will sell to multiple customers. It has invested Rs 20 crore in R&D in the last two years. On the other hand, a bigger opportunity exists in carrying out R&D and scaling up of molecules for customers. This activity continues to pick up and in the next 3-4 years, these molecules will come to commercial production where the margins are much higher than the generics.

The company’s R&D will continue to drive development of new molecules and intermediates. Laxai has a total employee base of about 700 people which includes 250 people in R&D. Laxai is currently working with a European company to develop advanced intermediates using enzymes, which will help increase yield and reduce pollution in manufacturing. The company is also upbeat on the prospects of AI in drug discovery. “We also want to acquire contract development and manufacturing organisations in the US and Europe. We are evaluating all options,” he added.

Global markets

Currently, the company’s 90 per cent of the contract research revenues come from overseas markets. And bulk of the manufacturing activity is also focused on catering to the US and European markets. “We have two large facilities now. The Jeedimetla facility has USFDA, EDQM and Brazil Anvisa approvals and our Pashamylaram facility has a GMP certification,” he added.

Biopharma industry hails TS gov-enabled life sciences growth

Hyderabad:: 22nd Feb 2021

Pharma and biotech companies in Hyderabad have continued their growth momentum and expanded their operations exponentially by investing in new product development as well as creating thousands of jobs year-on-year. Industry leaders who participated in the inaugural programme of BioAsia 2021 emphasised the role Telangana government is playing to support the industry to achieve scale.



Speaking on the occasion, Bharat Biotech CMD Dr Krishna M Ella said, “The entire Hyderabad ecosystem is contributing to the country’s and the world’s vaccine needs. Bharat Biotech, Indian Immunologicals, Biological E and Shantha Biotechnics have contributed significantly in the vaccines space. Hyderabad accounts for 65 per cent of the vaccine supply for domestic and overseas markets. The pandemic vaccines will also predominantly come from Hyderabad firms.” “Other than Hyderabad, there can be no other cluster (in one city) with a capability to manufacture 65 per cent of the vaccines from the country. A lot of credit goes to the State government which has provided every support to the industry be it in terms of infrastructure or through industry-friendly policies,” he added.

Satish Reddy, chairman, Dr Reddy’s Laboratories, said, the life sciences advisory board created by the State aims to achieve revenues of \$100 billion from Hyderabad ecosystem by 2030. There is abundant potential the State has in innovation, research and manufacturing.

Telangana can make further strides by enhancing public health infrastructure, which will accelerate clinical research. A lot of data can be generated that can help in future vaccine and drug development, noted Reddy. MNCs operating in Hyderabad have seen rapid expansion in their operations. Novartis for instance has added 1,500 jobs in the last one year and grown its base in Hyderabad. The city also hosts the company's largest data science and artificial intelligence talent pool. The company said the ecosystem is valuable as there is a vast talent, actively supported by the government.

TS life sciences attracts Rs 3,700 cr investments in last year

Hyderabad: 24th Feb 2021

Despite the widespread health and economic distress caused by Covid-19 pandemic, the life sciences sector in Telangana has responded with resilience and attracted investments to the tune of about Rs 3,700 crores in last one year with an employment potential for around 14,000 people. "Our dream and vision of growing the life sciences industry to over \$100 billion (by 2030) looks plausible and we remain committed to it," said Telangana Industries Minister KT Rama Rao while inaugurating BioAsia2021

The minister said, Genome Valley witnessed large pharmaceutical companies announcing their expansion plans. Sai Life Sciences, a contract research organisation, inaugurated its new Research & Development centre at Genome Valley with an investment of about Rs 400 crores. The sprawling campus will play a pivotal role in accelerating the discovery and development of new drugs.

Syngene's campus in Genome Valley which was inaugurated during the last edition of BioAsia, saw the number of scientists doubling in a year from 100 to over 225 now. The company, which had leased a building last February, is rapidly growing to occupy their third building by mid-2021.

GVK Bio, another Hyderabad-based company focused on supporting global innovators, is also expanding rapidly and will be adding 600 new jobs this year in Hyderabad, which highlights the city's scientific prowess. Further, Granules India will invest about Rs 400 crores to set up a facility with capacity to manufacture 10 billion units of finished dosages that will generate employment for about 1,600 persons. And Laurus Labs is investing Rs 300 crores to set up a formulation facility in Genome Valley with a capacity of five billion units.

Switzerland-based Ferring Pharmaceuticals, which announced its entry into Genome Valley previously, started operations last year. Further, a Canadian company called Jamp Pharmaceutical had announced investment in Genome Valley in 2018 and their state-of-the-art facility in Genome Valley is nearing completion. They have aggressive growth plans in Hyderabad, and the minister said he is looking forward to inaugurating this facility next month.



“We also have the Indian Council for Medical Research establishing the country’s largest National Animal Resource facility for biomedical research in Genome Valley, which is also expected to be inaugurated soon,” KTR informed.

Continuing this momentum, the Government of Telangana signed a MoU with Cytiva to set up a biopharma scale up facility- B-Hub in Genome valley. “While there exist formidable capabilities in chemical drugs in the country, B-Hub will help Telangana and India in accelerating the growth of the biopharmaceutical sector. I am confident that Telangana will emerge the biopharmaceutical capital of India,” added the minister.

Medical devices

KTR said the medical devices sector is another area, which promises extraordinary growth opportunities for the State. The Medical Devices Park at Sultanpur continues to be the destination-of-choice and around 40 companies are establishing their manufacturing and R&D facilities.

Some of these companies have already started commercial production and many of them are lined up for commencement by end of this year. “With operationalisation of these units, I am confident that the landscape of the park will transform, and the park will become the hotbed for Medtech activities in the country,” he added.

Global medical devices major Medtronic had announced one of their biggest investments – \$170 million- globally last year to establish its largest innovation and engineering centre in Hyderabad. The centre is ready and the facility is geared up for inauguration next month.

New credit rating tool for MSMEs in Telangana

Hyderabad: 14th Feb 2021

The Telangana Industrial Health Clinic Limited (TIHCL), the State support fintec NBFC for revival and rehabilitation of manufacturing MSMEs, is now developing a new credit rating tool for MSMEs, among various other initiatives to help the sector. This will be the first-of-its-kind initiative and will take into consideration various factors that are likely to induce stress in a unit.

TIHCL adviser Dr B Yerram Raju said the effort is to ensure that industrial units do not turn sick. The rating will also point out factors that need to be focused on to ensure that the financial health does not slip. “Rating agencies now rate MSMEs on the basis of parametres they have for other types of institutions, which are far above the threshold of many MSMEs. When they go through this, there is a likelihood of the MSMEs falling short of the parametres,” he said stressing the need for a special rating.

“Many think of entrepreneurs as a different breed that is devoid of any other expenses. That is not the case. The expenses vary with different age groups. We will look at funds needed to meet these expenses and the quantum of resources that can be apportioned for production, technology and other factors,” he said. The work is on and it will take about a year for the rating system to be in place. “We will also develop a health score for industries,” he said.



The TIHCL now has data on about 100 units and the goal is to have it for 500-600 units so that Artificial Intelligence and Machine Learning can be used to gauge financial health trends, he said. TIHCL is now working on a Covid loan assistance programme (CLAP). "Industries are afraid of declaring themselves as sick. They are afraid that their creditors will not pay them their bills or their debtors will pressurise for payments. In this scenario, we reach out to the units and counsel them on the best way out," he said adding that food processing, plastics and manufacturing had been hit severely due to Covid. It has 68 success stories in three years and saved employment of 1,469 workers, saved physical assets of Rs 88 crore and prevented assets worth Rs 1.3 crore from going under the hammer.

New support

The Telangana government recently released a grant assistance of Rs 10 crore. TIHCL has also applied for funding from various international agencies. "We are looking to raise about Rs 50 crore from international agencies over the next three years," he said.

New desks

TIHCL has put up desks at Pashamylaram and Gandhi Nagar, Patencheru and other industrial areas. Its executives interact with the units and try to resolve them or escalate the issues to the head office for further support. It will extend the service to other industrial areas even as it plans to recruit more interns.

KCR announces Rs 1,000 cr Dalit empowerment scheme in Telangana

Nalgonda: 11th Feb 2021

In a major initiative aimed at accelerating the uplift of Dalit in Telangana, Chief Minister K Chandrashekhar Rao announced a Rs 1,000 crore 'Chief Minister's Dalit Empowerment Scheme' to be implemented from the ensuing financial year.

"Allocation will be made for the creation of a special fund of Rs 1,000 crore in the upcoming budget to implement this scheme. Dalits have been ignored for decades and their condition needs to be improved. The SC Sub-plan is already in place for effective utilisation of funds sanctioned, and the State government is working hard to improve their conditions further. I will directly monitor the scheme for its effective implementation," the Chief Minister said, addressing a massive public meeting at Palem in Haliyamandal after laying foundation stones for 13 lift irrigation schemes that would change the landscape of the once-parched erstwhile Nalgonda district.



Chandrashekhar Rao, who also announced a Rs 186 crore monetary aid to strengthen municipalities and local bodies in Nalgonda district, said the State government would soon invite applications for new Aasara pensions and ration cards across the State. Appreciating the work done by local bodies in Nalgonda district, the Chief Minister announced Rs 20 lakh each for 844 gram panchayats in the district from the Chief Minister's Special Fund. He also announced Rs 30 lakh each for every mandal headquarters besides Rs 10 crore for the Nalgonda municipality, Rs 5 crore for Miryalaguda municipality and Rs 1 crore each for the remaining six municipalities in the district for their development.

Chandrashekhar Rao vowed to end the water woes of Nalgonda district forever by pumping water from the Paleru reservoir under the Sitarama Lift Irrigation Scheme in Khammam district to the Devulapally Balancing Reservoir in Nalgonda. He said estimates were prepared to take up the

project at Rs 600 crore to pump water from the Godavari river to the Krishna river, which has unreliable water flow for some years. “As promised by me during the statehood movement, I laid the foundation stone for 13 lift irrigation schemes which will be completed in the next one and a half years, failing which, I will not to seek votes in the next Assembly elections,” he said.

The Chief Minister also announced the construction of two more LIS at Veerlapalem and Thopucherla following a request by local MLAs for which orders will be issued in a couple of days. He assured that the Basvapuram project would be completed soon and water would be supplied to the Alair and Bhongir Assembly constituencies by June. On completion of the Dindi LIS, irrigation water would be available for the entire erstwhile Nalgonda district, he said. Chandrashekhar Rao directed Energy Minister G Jagadish Reddy to visit Nellikal, Chintalapalem and surrounding areas over the next few days and resolve land issues pertaining to about 5,000 acres in these areas. He instructed the Minister to issue land pattas to all the eligible.

KCR for new policy to promote horticulture

Hyderabad:: 27th Feb 2021

Chief Minister K Chandrashekhar Rao directed the Agriculture Department officials to formulate horticulture policy taking into account the soil and climatic conditions in the State as well as its history, heritage and requirements. For promoting horticulture crops on a large scale, he emphasised the need for encouraging research activities and suggested strengthening Konda Laxman Bapuji Horticulture University in the State. Besides reorganising the Horticulture Department and strengthening it with additional staff, he asked the officials to take all measures to protect the agricultural markets in the State irrespective of the new farm laws introduced by the Union government.

At a high level meeting at Pragathi Bhavan, the Chief Minister announced establishment of a Centre of Excellence in 300 acres on the campus of Prof Jayashankar Telangana State Agricultural University. The objective is to develop and promote modern cultivation methods for horticultural crops in the State. Necessary funds will be allocated in the forthcoming budget for improving the infrastructure of the Horticulture University and strengthening it further. He wanted the authorities to increase the number of seats available in the agricultural polytechnic colleges at Vantimamidi and Ramagiri Khila.

Integrated vegetable markets to be set up soont

Citing the completion of 2,601 Rythu Vedikas across the State, the Chief Minister wanted the officials to set up integrated vegetable markets in all major towns and municipalities across the State on the lines of Gajwel. He asked them to complete the construction of the integrated vegetable markets at the earliest keeping in view of the increasing needs of people. He said irrespective of the new farm laws of the Centre, there was need for taking measures for protecting the agricultural markets in the State.

In view of the increased responsibilities, Chandrashekhar Rao emphasised the need for reorganisation of the Horticulture Department by decentralising the work. In addition to the existing Commissioner of Horticulture, he suggested appointment of four senior officers as in-charges for handlings issues pertaining to cultivation of fruits and orchards, vegetables, palm oil and other horticultural crops. He also directed the officials to complete the process of promotions and ensure adequate staff, besides conducting required training programmes.

Agriculture Minister S Niranjan Reddy, Government Chief Adviser Rajiv Sharma, Chief Secretary Somesh Kumar, Agriculture Secretary B Janardhan Reddy, Horticulture Commissioner Venkatrami Reddy, Konda Laxman Bapuji Horticulture University vice chancellor Neeraja and other horticulture department officials, attended the meeting.

IIT Hyderabad based startup PURE EV set to launch electric bike soon

Sangareddy: 11th Feb 2021

IIT Hyderabad (IIT-H) incubated startup PURE EV is all set to launch its first electric motorcycle – ETRYST 350. This flagship product has been completely designed, developed and manufactured in India and represents a major leap in the Indian electric vehicles sector. The company will deploy 50 demo vehicles by end of March 2021 across India to make them available for test drives at specific outlets.

ETRYST 350 is scheduled to hit the roads on August 15 this year at a price that would be economical in comparison with conventional motorcycles in Indian markets with similar pickup and power. PURE EV will first launch the product in the metropolitan cities of Bangalore, Hyderabad and Pune, which have the highest sales numbers, after which it will expand to more outlets by the end of 2021.

ETRYST 350 has been designed and developed at PURE EV's technical and manufacturing centre in Hyderabad. It boasts a top speed of 85 KMPH, delivering on par ride experience with most Internal Combustion Engine (ICE) motorbikes. A single full charge will provide a range of 120 KM, till the battery has to be charged again. The vehicle is powered by a 3.5 KWH patented battery, developed by PURE EV. The entire product engineering has been done to provide a very stable ride experience even at speed of 85 kmph and to deliver a high pickup at par with premium ICE motorcycles.

Highlighting the technological aspects of the developed product, Dr Nishanth Dongari, Founder, PURE EV, and Associate Professor, Department of Mechanical and Aerospace Engineering, IIT-H, said: "The launch of this high-performance motorcycle would be a demonstration of PURE EV's significant learnings in the powertrain design and development at our R&D centre. The core R&D activities of the company are aligned keeping in mind the expectations of the average Indian customer."

Dr Dongari said: "We have been carrying out extensive trials and testing for this product and are confident that the product will deliver highly competitive performance with respect to existing range of ICE motorcycles and will be another step in the direction of switching customers towards EVs."

Telangana State rolls out EV incentives

Hyderabad: : 3rd Feb 2021

To encourage the use of electric vehicles, the State government issued orders exempting road tax and registration fee for the first 2,00,000 electric two-wheelers purchased and registered within the State. The orders were issued under the Telangana Electric Vehicles and Energy Storage policy.



Accordingly, incentives will be now offered to two-, three- and four-wheelers, light commercial, shared transport and public transport vehicles.

No road tax & registration fee for



As per the GO, road tax and registration fee will be exempted for the first 5,000 electric four-wheeler commercial passenger vehicles such as taxi and tourist cabs purchased and registered within the State.



Explaining PURE EV's future plans with the launch of ETRYST 350, Rohit Vadera, Co-Founder and Chief Executive Officer, PURE EV Startup, said: "With the launch of ETRYST 350, we want to make a mark in the domestic EV industry. The model will be launched at a competitive price point with respect to the premium motorcycles and we are consistently working on upgrading our after-sales service network which is the key requirement to sustain higher sales in the EV industry. We have taken multiple steps in the past few months for enhancement of the service capabilities by invention of devices like BATRICKS FARADAY which provides remote battery service capability and comprehensive technicians training programs."

A unique aspect of this motorcycle is the battery, which is designed to work under tough environmental conditions. PURE EV will be offering a five year warranty for the in house designed battery. ETRYST 350 can get adapted to any Indian terrain. It can be used for daily commutes and will be available for selling in cities as well as townships. The company is targeting the majority of the youth segment and those yearning for a high-performance electric motorcycle at an affordable price point.

Along with this, PURE EV has also started exporting the product to Nepal and is exploring export opportunities in other South Asian and South East Asian countries in the near future. In the longer term PURE EV is planning to expand the product's market in South America and African continents.

Telangana to set up National Center for Additive Manufacturing

Hyderabad:: 10th Feb 2021

The Government of Telangana, Ministry of Electronics and Information Technology (MeitY) and the Additive Manufacturing Society of India (AMSI) are conceptualising a National Center for Additive Manufacturing



(NCAM) in Hyderabad. The centre would execute the draft national additive manufacturing strategy. The Emerging Technologies Wing of the ITE&C Department, Government of Telangana organised a virtual stakeholder consultation workshop on February 6th, and the consultation workshop was attended by over 40 major stakeholders representing industry, startups and academia. The consultation identified initiatives to drive the adoption of additive manufacturing in industry and match global standards.

"NCAM will nurture domestic additive manufacturing industry, reduce import dependency of domestic market and position India as a global hub for additive manufacturing development and deployment. The centre will serve national objectives like self-reliance," said Jayesh Ranjan, principal secretary, ITE&C and Industries & Commerce, Government of Telangana.

The roundtable focused on aspects such as setting up a world-class state-of-the-art facility for industrial use with the necessary infrastructure and resources to enable R&D and Innovation, product design and development, skilling, and capacity building programmes. Also, establishing a global Innovation and Research hub for additive manufacturing and building a world-class skilled workforce on designing and developing AM products is being looked at. There will also be efforts in terms of organising mass awareness campaigns for AM adoption in industry and regional clusters, and collaborating with industry leaders, providing legal & characterisation framework, and standardising processes to drive demand for AM designed products.

Telangana to formulate 'Space-Tech policy'

Hyderabad:: 22nd Feb 2021

Telangana is all set to formulate a 'Space-Tech Policy' that will serve as a launch pad for the State to move into a higher orbit and facilitate its emergence as a commercial hub for all space-related products and services. The policy will focus on promoting domestic production of launch vehicles, satellite systems and sub-systems, ground equipment manufacturing and other facilities.

"Telangana has resolved to develop an ecosystem for SpaceTech. Already, many renowned startups including Skyroot, Dhruva and other major companies in the SpaceTech sector are operating from Hyderabad. In addition to these, DRDO, NRSC, ADRIN, DRDL, RCI, BDL, MDN, Ordnance Factory, DMRL, ARCI (Materials), among others, have been operating out of the city," Information Technology Principal Secretary Jayesh Ranjan said at a virtual meet of Telangana's Space-Tech Policy Framework-2021 Stakeholders Consultation'. The meet was aimed at preparing Telangana's SpaceTech Policy framework for which the State government invited different stakeholders, including hardware startups, analytics startups, academia and others to share their insights.

Stating that Telangana was creating a holistic framework to develop end-to-end SpaceTech ecosystem in the State, he said the State will attempt to capture the emerging global opportunities in space-related investments and innovations. "This move can potentially create an impact on other areas of innovation such as universal connectivity and big data analytics for agriculture, remote education, disaster management and others," he said.

The Department of Space, Government of India, had recently released the draft Space Com policy 2020 and draft Space RS policy 2020. States can significantly contribute to achieving the national objectives like "Atmanirbhar Bharat." In tune with these, equal importance would be accorded to downstream applications of remote sensing, among others, that have the potential to address different problems in agriculture, disaster management, insurance, urban flood modelling, forestry. Uma Maheshwaran, Scientific Secretary, ISRO Headquarters, was the Guest of Honour and Dr. Ravi Kumar, Director of National Remote Sensing Centre (NRSC) graced the event.

BioAsia Virtual Meet: KTR, Satya Nadella Deliberate Over Technology Impacting Healthcare in Charcha 2021

Hyderabad Feb 24, 2021

18th edition of BioAsia 2020 Concludes with Huge Participation of Global leaders and Audience BioAsia, Asia's largest Biotechnology and Life Sciences Forum and the 2-day global bio-business convention on its second and last day concluded with a huge participation from Industry, Government, general public, and being part of the insightful deliberations and discussions focussing on COVID-19; Challenges, opportunities and learning for the global life sciences community. The 18th edition of the annual flagship event of Government of Telangana, BioAsia, has witnessed the participation of around 31,450 participants representing 72 countries. More than 60 high profile speakers also participated in this summit.

The FABA Special Award was presented to Dr. Balram Bhargava, Secretary to Government of India, Department of Health Research, Ministry of Health & Family Welfare & Director-General, Indian Council of Medical Research for his exemplary contributions



to medicine and healthcare. He was felicitated for spearheading the fight against COVID-19 in India and also commencing several extraordinary marquee projects such as India-Stanford Biodesign programme, c-GMP Centre for Excellence for Stem Cell Studies, Society for Less Investigative Medicine (SLIM) and many more. He has pioneered the development of indigenous low-cost coronary stents that have benefited several thousand patients.

During the valedictory session of BioAsia 2020, Mr Jayesh Ranjan, IAS, Principal Secretary, Industries and IT, Government of Telangana said, "We are happy to conclude BioAsia 2021 today on a high note with the humungous participation of 31,450 participants from 72 countries. Since this edition was virtual and the theme of the event was very contextual to the current scenario, hence, we didn't restrict the conference open only to the life sciences professionals but made these sessions available for the general public without any registration fee. The sessions covered the current situation of vaccines, the impact of COVID-19 on various healthcare services, and the way forward were very extremely well encapsulated by 60 eminent speakers during these 2 days. We are sure that the public at large has also benefitted by hearing the experts on the most prominent topic around these days impacting the life of each one of us. On the whole, BioAsia 2021 in these 2 days was successful in addressing the issues and demands of the industry particularly as the world is walking a perilous path to fight once of the most challenging health crisis."

Commenting on the successful completion of BioAsia 2021, Mr. Shakthi Nagappan, CEO, BioAsia and Director, Telangana Life Sciences said, "Despite the pandemic, we strived to ensure that the 17 years long legacy of BioAsia continues. The first virtual BioAsia was well received by the global community due to our strong focus on the pandemic and the steller speaker line up, we were able to bring to deliberate on the topics impacting every individual."

Feedback received from various countries have been encouraging. Based on the requests from various regions, who couldn't join the live streaming and keeping in view the larger impact, it has been decided to make the deliberations of BioAsia available for public viewing in the

BioAsia youtube channel.

The highlight of the day was a Fireside Chat # Charcha 2021: Healthcare to 'Hit Refresh' between Mr. Satya Nadella, CEO, Microsoft and Mr. KT Rama Rao, Hon'ble Minister for Industries & Commerce, Government of Telangana which deliberated on the technology impacting the healthcare industry with the global leader. Mr. Satya Nadella stated that, "the pandemic has accelerated digital transformation across the board. We became the digital first responders to all the first responders out there".

Another, important session of the day was the CEO Conclave: Pursuit of Innovation - From 'Pharmacy of the World' to 'Global Life Sciences innovation hub. The session was focused on the how post India establishing its leadership in the generics market, now how it can replicate the success in the 'complex generics' and 'biosimilars' market. The high-profile panel included Mr. KT Rama Rao, Hon'ble Minister for Industries & Commerce, Government of Telangana, Mr. Amitabh Kant, Chief Executive Officer, NITI Aayog, Government of India, Ms. Kiran Mazumdar-Shaw, Executive Chairperson, Biocon, Dr. Swati Piralal, Vice Chairperson, Piralal Group, Mr. Nilesch Gupta, Managing Director, Lupin Ltd. and Mr. SriramShrinivasan, India Life Sciences Leader, EY. Ms. ShereenBhan, Managing Editor, CNBC-TV18 moderated the session.

Day 2 commences with the Keynote Address by Mr. Sanat Chattopadhyay, Executive Vice President & President, Merck Manufacturing Division. He elaborated on how Merck is moving the needle by building resilient supply chain capabilities. He explained how capabilities that were built before the pandemic helped the world navigate the situations during the pandemic. He said that "the SARS COVID is only a microorganism, yet it has got all humanity to its knees. However, with the advent of therapies, this disease can be conquered".

The panel discussion on the topic of Medical Technologies – The next big opportunity for India focused on looking into strategies to be adopted to accelerate India from being primary imports to large scale exporters. This panelists including Mr. Jayesh Ranjan IAS, Principal Secretary, Industries & Commerce Dept., Government of Telangana, Dr. S Eswara Reddy, Joint Drugs Controller, Central Drugs Standard Control Organization, Mr. Madan R Krishnan,

Vice President and Managing Director, Medtronic India, Mr. Suresh Vazirani, Chairman and Managing Director, Transasia Bio-Medicals Ltd., Dr. Shravan Subramanyam, President & CEO, GE Healthcare India & South Asia, Mr. Bhargav Kotadia, Managing Director, SMT and Mr. Rajiv Nath, Managing Director, Hindustan Syringes & Medical Devices Ltd & Forum Coordinator, AiMeD deliberated on the current position and future potential of India MedTech sector.

In another Keynote Address on Creating unicorns, Mr. George Bickerstaff, Co-founder and Managing Director, M.M. Dillon & Co., Former CFO, Novartis and Dr. Jo Bury, CEO, VIB focused on growing importance of Innovating and delved deeper into the intersection of healthcare, technology and finance. They also stressed upon the role of start-ups in healthcare sector, the means of financing R&D and the power of collaboration.

Mr. Ronald Piervincenzi, CEO, United States Pharmacopeia in his special address shared his insights on medical supply chain vulnerabilities. He stated that, "Strengthening of regulatory ability to conduct Quality Assurance would mean more diversity in supply chain and hence the overall system becomes stronger."

In a Coffee Table Conversation between Dr. Andrew Plump, President R&D, Takeda and Dr. Lutz Hegemann, Group Head of Corporate Affairs and Global Health, Novartis spoke on Reimagining R&D post COVID – Collaboration, Data and Repurposing.

About BioAsia: BioAsia is born with a vision to enhance, enrich and encourage newer innovations, path-breaking discoveries and effective solutions in the biotechnology industry by offering a vibrant global platform for convergence of the key stakeholders - Biotech & Biopharma Companies, research institutions, academia, investors, service providers, policymakers, regulators, and analysts. BioAsia is focused in its efforts - to drive the growth of the industry by enabling an effective environment for fostering collaborations, JV's M&A's; ensure knowledge and experience sharing by global industry players to benefit all stakeholders; promote innovations and initiatives through appropriate awards and recognitions; play a pivotal role in advocating issues to the policymakers and chartering the road-

map of biotechnology. BioAsia is a dynamic platform for companies - to exhibit, launch and showcase their unique strengths, products, and services. BioAsia is playing the role of a key catalyst in mobilizing all elements that are required to drive the growth of the emerging industry of Biotechnology as well as optimize the immense business potential of biotech. On a larger level, BioAsia is working to drive a global transformation from the treatment of illness to wellness.

About FABAs (Federation of Asian Biotech Associations): The Federation of Asian Biotech Associations [FABA], is a non-profit registered society engaged in various activities related to promoting Biotechnology in Asian countries. FABAs, headquartered at Hyderabad made its humble beginning in 2004 and has achieved a significant landmark in creating a common platform for interaction among member countries and discuss the issues of common interest for improving the biotech space including Technology Transfer, resource sharing, business collaborations, Industry-Academia linkage, cross border trade, and investments, etc. among its member countries., FABAs has a strong network base in 20 Asian countries including China, India, Bangladesh, Malaysia, Philippines, Russia, Kazakhstan, Pakistan, Israel, Iran, Indonesia, Nepal, Japan, South Korea, Singapore, Thailand, Sri Lanka and, UAE. Besides, FABAs has entered into working understandings with Non-Asian organizations like the European Federation of Biotechnology, Biocat (Spain), Maryland India Business Round Table (USA), Bio Industry Park (Italy) and Association of German Biotech companies (Germany), etc.

Multiple selling platforms for farmers in Telangana

Hyderabad: 14th Feb 2021

With the Union government continuing to be adamant on implementing its new farm laws, which many believe are anti-farmer, the State government has begun building an alternative system by strengthening Agricultural Produce Market Committees (APMCs), Primary Agricultural Cooperative Societies (PACS), Rythu Bandhu Samithis and RythuVedikas.

The State government, consequently, will continue to have control over the market, provide a platform to

encourage farmers to cultivate crops based on market demand and provide an alternative option to sell their produce directly in the market at remunerative prices.

Telangana's average annual agriculture production is now pegged at Rs 1.15 lakh crore, with most of the produce sold through APMCs. Amidst apprehensions that the new farm laws will weaken APMCs and force the farmers to sell their produce to traders or corporate firms, the State government has decided to strengthen market committees and other platforms besides increasing godown storage space to counter any negative impact the agriculture sector may face once the new laws are implemented. The Marketing Department has already been directed to come up with recommendations to provide multiple platforms for farmers to sell their produce.

To start with, the State government decided to turn the APMC properties into assets for operation and maintenance of market yards with some of these properties to be utilised for commercial activities. The Marketing Department is examining all options, including leasing out the properties or developing them on a public-private-partnership mode. Chief Minister K Chandrashekhara Rao has already said that the government would give about Rs 400 crore in compensation to the Marketing Department as the new farm laws, if implemented, would deprive the department of income from APMCs in the form of market cess or other fee.

Following directions from the Chief Minister, Agriculture Minister S Niranjan Reddy has recently held a meeting with APMC chairpersons and secretaries for the first time. He asked them to play an active role in ensuring remunerative price for agri



produce in association with officials of Agriculture and Horticulture departments. The Minister also asked them to study the local markets and identify crops which are in demand throughout the year and encourage farmers to cultivate them during the ongoing crop season.

“Currently, oil seeds and pulses have a good market in Telangana and neighbouring States. We were asked to communicate the same to farmers regularly and encourage them to cultivate crops that are in demand. Since we enjoy a personal connect, farmers would prefer to sell their produce through APMCs. It was also decided to examine the feasibility of establishing a network in the State enabling farmers to sell their produce without requiring to travel all the way to other APMCs where there is a demand for these crops,” an APMC chairperson from Karimnagar district said.

Making optimum use of Rythu Bandhu Samithis and RythuVedikas, the State government has decided to reach out to farmers and encourage them to produce alternative crops and those in demand. “Traditional crops are not providing remunerative price to farmers. Hence, the government is encouraging alternative crops and non-traditional or horticultural crops which can fetch profits to farmers,” an official in the Marketing Department said. Besides using around 2,600 Rythu Vedikas as hubs for farmers to discuss their crops, farm practices and marketing sources, they will be used for storing seeds, fertilizers and farm produce.

Meanwhile, the State government has already brought out the food processing policy and intends to establish at least one processing unit per Assembly constituency. In addition to State's existing godown storage capacity of about 22 lakh tonnes, the Chief Minister has recently announced plans to double it to about 40 lakh tonnes. Efforts are already on to add a capacity of about four lakh tonnes immediately.

Taking advantage of the new farm laws, the State government, which is already working to formulate a comprehensive Telangana State Paddy and Rice Policy, has decided to encourage food processing units on a large scale. Rice millers will also be allowed to build godown spaces for storing paddy or milled rice.

NABARD glad to be part of Telangana's growth story: CGM

Karimnagar: 23rd Feb 2021

The National Bank for Agriculture and Rural Development (NABARD) is glad to be part of the growth story of Telangana State and its transformation into 'Bangaru Telangana' (Golden State), the bank's Telangana region office said Chief General Manager Y Krishna Rao.

Citing the success of white, blue, pink and green revolutions in Telangana State, the NABARD CGM said: "We are happy to be part of all the four revolutions and are committed to the growth of the newly-formed

State. We will continue to support the State government in future too." Krishna Rao was in Karimnagar town to participate in the Karimnagar District Cooperative Central Bank (DCCB) board meeting which was attended by TSCAB chairman Konduru Ravinder Rao and CEO N Satyanarayana Rao and others.

He said NABARD had extended financial assistance to the tune of Rs 10,000 crore for the revolutionary scheme of providing protected drinking water to the people of the state under Mission Bhagiratha scheme. Terming the Kaleshwaram Lift Irrigation Scheme (KLIS) as an engineering marvel, he said they had extended financial assistance of Rs 5,600 crore including Rs 4,600 crore for Komuravelli Mallannasagar project. He said that they had sanctioned Rs 800 crore to the Markfed for the procurement of maize.

More recently, the NABARD had decided to extend financial assistance to the tune of Rs 1,100 crore under RIDF programme for the construction of 500 to 600 check dams to tap each and every drop of water and recharge the groundwater table.



TSSPDCL bags ICC awards

Hyderabad: 26th Feb 2021

Telangana State Southern Power Distribution Company Limited (TSSPDCL) has bagged the prestigious ICC awards under two different categories – overall innovation with impact award and quality of service and customer empowerment at the 14th India Energy Summit 2020-21.

The TSSPDCL has also bagged the prestigious IPPAI awards under two categories – best distribution company to promote consumer awareness and best distribution utility achieving highest electrification, including metering of un-electrified household at the "20th Regulators and Policy Makers Retreat 2020". TSSPDCL Chairman and Managing Director G Raghuma Reddy received the awards.

Stating that the Karimnagar DCCB was the best in the country in terms of all parameters, he said that the people's money is safe in the Karimnagar DCCB because of its accelerated performance and providing better services to its customers than any commercial bank. He hoped that the Karimnagar DCCB, which was doing around Rs 5,000 crore business, would cross Rs 10,000 crore business in the coming three years period. He said that the Karimnagar DCCB had also emerged as the only cooperative bank in the country to secure a cyber security operations centre (C-SOC). Telangana state was ahead in the country with the formation of 330 Farmer Producer Organizations (FPO) and the Indervelli FPO in Adilabad district with tribal farmers had emerged role model for the country with the setting up of a ginning mill at a cost of Rs 6 crore with the loan from TSCAB and DCCB, he stated.

Stating that the total computerisation of all the 800 Primary Agriculture Cooperative Societies (PACS) in the Telangana state had ensured transparency and reinforced faith among the customers, he said that Telangana State Cooperative Apex Bank (TSCAB) was also doing well on all parameters. Presently, they are on a mission mode to convert PACS into MACS (multiservice providers) with the support of NABARD and lower interest rate.

Double delight for Telangana, State and KTR win SKOCH awards

Hyderabad : 25th Feb 2021

In a double delight for Telangana, the State has been awarded the SKOCH 'e-Governance State of the Year' while IT and Industries Minister K T Rama Rao bagged the 'Best Performing IT Minister' in the country for 2020. SKOCH Governance Report card is based on ongoing studies across States and the Centre since 2013. TS has

continued to implement cutting edge IT initiatives to improve public services, particularly during Covid 19, and modern technologies have become a lifeline for delivery of citizens' services.

Rama Rao excelled in the 2020 rankings for his unwavering focus. He was adjudged the 'Best Performing IT Minister' in SKOCH rankings in 2016 earlier. This makes him the only State Minister so far to be conferred with the SKOCH award twice, said Sameer Kochhar, Reforms Historian and Chairman, SKOCH Group

CM KCR congratulates ISRO on successful launch of PSLV-C51

Hyderabad:: 28th Feb 2021

Chief Minister K Chandrashekhar Rao has congratulated Indian Space Research Organization (ISRO) for successful launch of PSLV-C51. He said with the launch of PSLV-C51 which is the first dedicated commercial satellite, ISRO has proved to be one of the world's leading space research organisations. He also said that many countries have chosen ISRO for their technical needs, earning more reputation to our country. He congratulated the scientists, engineers, other technical staff and employees of the ISRO for achieving success.



SCCL pursuing newer technologies to improve safety, productivity

Hyderabad: 23rd Feb 2021

The coal industry was undergoing a lot of policy and structural changes and Singareni Collieries Company Limited (SCCL) is no exception to these changes, SCCL Director (Operations) S Chandrasekhar said. Participating as a chief guest at a webinar on 'Application of IoT in mining industry' organised by the Alumni of Mining Engineers Association and Department of Mining Engineering, Kothagudem, he said the SCCL, which is one of the oldest public sector undertakings in the country, withstood many changes and turbulent situations. "It's a pioneer in recognising the challenges and taking appropriate changes in technology and methods of working. The SCCL is pursuing newer technologies and is positive about its implementation in the coal industry to improve productivity, safety and economics of cooperation," he said.

IoT application, which started a decade ago, has gained popularity and acceptance during the recent pandemic, Chandrasekhar said, adding: “IoT is being used in improvement of communication, automation and business transactions. Its introduction will pave the way for remote monitoring, machine to machine communication and better decision making,” he said.

The SCCL is already in the forefront with proposals for application of IoT for optimisation and productivity improvement. Chandrasekhar advised the faculty and students to come up with innovative ideas to sustain mineral production and industry. “We hope the webinar will formulate good recommendations under the able guidance of SCCL retired Director B Bhaskar Rao who was in the forefront of implementation of IT reforms in SCCL,” he said, and assured SCCL’s cooperation to the academia and industry in offering its services scientific and research projects for students, industry and faculty.

We-Hub joins hands with JKEDI

Hyderabad: 19th Feb 2021

Telangana State-led incubator for women entrepreneurs, WE-Hub, signed a Memorandum of Understanding (MoU) with Jammu and Kashmir Entrepreneurship Development Institute (JKEDI).

The MoU will have a pre-incubation programme for 60 aspiring entrepreneurs from Telangana and Jammu and Kashmir (J&K) - 30 from each State. The MoU was inked between IT and Industries Department Principal Secretary Jayesh Ranjan and J&K industries and Commerce Department Commissioner Secretary MK Dwivedi. The virtual launch was hosted in the presence of GM Dar, KAS, Director, JKEDI, and DeepthiRavula, CEO, WE-Hub.

Ravula said, “Through the partnership we want to support aspiring entrepreneurs to move from idea to prototype, create market linkages for the startups, and to make best benefit of the startup exchange programmes.”

This effort will help create a startup exchange module between JKEDI and WE-Hub comprising of five startups each from the two States. It will take their startup ideas ahead, track their progress and link

them with suitable mentors, help them taking beyond Proof of Concept (PoC) and enroll the best spin-offs as virtual/physical incubates at JKEDI. After the pre-incubation programme and rigorous interventions, a total of 60 startups from Telangana and Jammu and Kashmir will undergo a co-incubation programme. This co-incubation brings in startups the opportunity to scale up to viable enterprises and receive rapid growth mentorship from the leaders at JKEDI and WE-Hub.

MeitY provides Rs 44 lakh grant-in-aid to eight startups of SR Innovation Exchange

Warangal Urban: : 18th Feb 2021

A total of Rs 44 lakh was disbursed to entrepreneurs and student innovators under the Technology Business Incubation TIDE 2.0 MeitY Scheme by Technology Business Incubator SR Innovation Exchange (SRiX), Warangal, here.

Speaking on the occasion, Dr G R C Reddy, Vice-Chancellor, SR University, said the grant was facilitated through TIDE 2.0, an initiative of Ministry of Electronics and Information Technology (MeitY), under the MeitY Startup Hub to promote tech entrepreneurship through financial and technical support to incubators engaged in supporting ICT startups primarily engaged in using emerging technologies such as IoT, AI, Block-chain, Robotics etc., in pre-identified areas of societal relevance. “It’s exhilarating to listen to these bright innovators, TIDE grant will provide the initial ignition needed for them



to develop a market ready product. Their presence on the campus makes academics vibrant providing an opportunity for our students and faculty to associate with these young innovators and entrepreneurs” he added.

Venkata Simhadri, CEO of Moschip Technology, congratulated the start-ups for their innovations and the receipt of the grant from MeitY. In his address, Venkata emphasized the thrust on “ Make in India” and “Atmanirbhar Bharat” and encouraged the entrepreneurs to focus on developing technologies and products that can replace imported goods and appreciated the efforts of SR university.

“SRiX provides product designing, prototyping and testing infrastructure support for startups, our state of the art precision component manufacturing capabilities ensure that any innovator who is keen on the accuracy, precision of metal works don’t go empty-handed. CNC Lathe, CNC milling machines, Laser cutting the machine is available for innovators to get their products manufactured. Pioneer brands in 3d printing like Markforged, Ultimaker are available in SRiX, Makerspace for innovators. The whole gamut of power tools; chop saw, mitre saw, sanders, grinding to name a few are available,” said Sreedevi Devireddy, CEO of SRiX.

Sharing the details on the technologies these start-ups are working on, Sreedevi said, it is quite diverse from mixed reality, AI/ML & Data Analytics, Block Chain, Internet of Things (IoT) to drone technology. “We are pleased to announce that six startups have women co-founders and three of the winners are student start-ups of Warangal region,” she added.

Dr Archana Reddy, Registrar, SRU, Dr V Mahesh, Dean-School of Engineering, SRU, Dr Vishnu Vardhan Reddy, Dean-School of Agriculture, SRU, Col B S Rao, Dean-School of Business, SRU, and faculty members attended the programme. The recipients of the grant are: Varaha Innovation Studios and Technologies, Youcode intelligence Solutions, Oakmont RSM Info Solutions, Viben QR Innovations, Garudastra Aeroinventive Solutions, Cloudchip Technologies, MHFICTIO Creations and Gryptrx Solutions.

SCR’s first Kisan rail chugs off from Telangana

Hyderabad 8th Feb 2021

To assist the farm sector in marketing agricultural produce for better price realisation through cost effective transportation, South Central Railway (SCR) has started its first Kisan rail from Telangana.

The first Kisan rail from the State has been loaded with turmeric from Warangal station in Secunderabaddi vision. The rail has been loaded with 230 tonnes of dry turmeric in 10 parcel vans and is being transported to Barasat station in West Bengal.



The Ministry of Railways introduced the concept of running Kisan rails to boost the income of the farm sector, while providing a hassle-free, safe and fast transport services for marketing of the agriculture sector. To further encourage farmers, the Ministry of Food Processing Industries announced extension of 50 percent of tariff concession on the transportation of notified fruits and vegetables through Kisan rail trains. Accordingly, SCR’s first Kisan rail from Telangana was also given 50 percent tariff concession to transport turmeric under this scheme.

T-Wallet to incorporate RuPay card for safe and secure e-transactions

Hyderabad:: 7th Feb 2021

The Telangana government’s digital payment app T-Wallet is all set to take e-payments to the next level by incorporating



Secure & easy

• RuPay card to provide users with secure transactions while shopping

• Users can make payments through QR code or swiping the card

• RuPay will have CVV, expiry date; users have to load money

• Bank account details will not be exposed to anyone

T-WALLET HAS 12 LAKH USERS, OVER 2 CRORE TRANSACTIONS

RuPay card facility to ensure safe and secure transactions while shopping. RuPay is the first-of-its-kind global card payment network of India, with acceptance at ATMs, POS devices and e-commerce websites. It is a secure network that protects against anti-phishing.

T-Wallet aims to offer secure transactions by integrating the RuPay card, so that users can make payments either by scanning a QR code or swiping

the card, without putting their original bank debit cards or bank account details at risk. M Sreenivasulu, Programme Head, T-Wallet said the National Payments Corporation of India (NPCI), under whose aegis RuPay works, has approved the integration of the card with T-Wallet, with the State government's nod expected soon. "Once the government gives its nod, we will launch the physical card, which will have a CVV number and expiry date. This is a new type of prepaid payment instrument for making digital payments," he said.

According to Transaction Analysts, which co-brands and hosts T-Wallet, RuPay cards will initially be given for users verified with full KYC details. "Users can deposit money in the RuPay card from T-Wallet and other debit cards. This card will be secure and will not record bank details," an official said.

Launched on June 1, 2017, T-Wallet was made available as an anytime-anywhere digital payment option. Through this wallet, users can make payments for government departments including Mee-Seva, GHMC, HMWSSB, TSNPDCL, TSSPDCL, RTA and HMDA ORR toll payment. The official digital wallet of Telangana has also crossed the milestone of one

million registered users. At present, the strength of those registered with T-Wallet stands at over 12 lakh while the number of transactions and money loading had crossed two crore.

T-Wallet serves through an online web browser, smartphone and feature phone too. Citizens who do not have smartphones can go to their nearest MeeSeva centres to open T-Wallet, load money (cash or online transaction) and make payments using UID (Aadhaar) authentication.

'Cyber warriors' at all Telangana police stations to fight cyber crime

Hyderabad : 22nd Feb 2021

For the first time in India, police in Telangana are deploying 'cyber warriors' at police stations across the state to fight cybercrime. Director General of Police M. Mahender Reddy launched the new initiative under which two to five police personnel from each police station will be provided training to act as 'cyber warriors' to prevent and investigate cyber crimes, as well create public awareness.



Keeping in view the increasing number of cyber crimes, the state police embarked on the new initiative. The DGP launched the week-long training programme for 1,988 officials selected as 'cyber warriors'.

There will be two 'cyber warriors' in each police station in rural areas while their number will be three in each police station in semi-urban areas. However, in each of the police stations coming under police commissionerates or cities, five cops will be trained as 'cyber warriors'.

Speaking on the occasion, the DGP noted that as human life is increasingly becoming digital, cyber crimes are also on the rise. He said this was the first of its kind initiative undertaken anywhere in the country. The police chief said since 4G mobile services have been extended to even remote villages, cyber crimes can be committed from any part of the world. He hoped that the 'cyber warriors' will play a key role in preventing cyber crimes and also in ensure effective investigations into such crimes. The DGP said 17 functional verticals were already been prepared for day to day functioning of all police stations. Cyber crimes will now become the 18th functional vertical to assess the performance of the police force. Mahender Reddy said since cyber crimes are very different in nature from the conventional crimes, special training will be provided to 'cyber warriors' not only to prevent cyber crimes but also to create awareness among people and also investigate such crimes. He also noted that every crime which takes place will have some cyber-related component, and if 'cyber warriors' help the police officers investigating conventional crimes, the investigations can be completed expeditiously.

The DGP pointed out that day by day, cyber criminals are using modern techniques and said the state police should also keep itself abreast with the latest technological developments to tackle cyber crimes. The police chief said 2021 has been declared as cyber safety year and as part of this, Inspector General of Police Rajesh Kumar was appointed as the special officer in the cyber cell. He said the IG will coordinate with Central government departments and police officials of various states about cyber crime. The DGP released a booklet titled 'cyber warrior' at the programme, which was attended by Additional DGP Govind Singh and IG Rajesh Kumar.

Telangana entrepreneur in Forbes India under-30 list

Sangareddy: : 6th Feb 2021

A young entrepreneur from Telangana, Kotta Keerthi Reddy (24), daughter of Medak MP Kotta Prabhakar Reddy, found place in the prestigious Forbes India 30 Under-30 list. Keerthi is among the 13 women featured

in Forbes list this year.

Keerthi Reddy completed her masters in Global Masters in Management from London School of Economics and joined



StaTwig, an Hyderabad-based cloud solutions provider for cold chain management. Keerthi, who owns 5 per cent share in StaTwig, is a founder member and Chief Operating Officer (COO) of StaTwig, which won the World Economic Forum's Global Innovator Award for their work.

StaTwig, which built a supply Blockchain Technology to manage the supply chain management of various products, is also managing the Covid-19 vaccine supply across the world. The StaTwig Supply Chain management ensures all the stakeholders a complete visibility of the vaccines at different stages through blockchain technology. They will predict and prevent the failures in the supply chain. Blockchain Technology is initially developed to monitor the delivery of the Public Distribution System in Telangana. Keerthi has said that they have initially tested it in Jordan and Kazakhstan.

Saying that her father MP Prabhakar Reddy is a source of inspiration for her, Keerthi revealed that she had a brief stint with Singapore-based supply chain company Qunicus after completing her masters in London.

Since Medak MP's family has been into a Logistic Business, Keerthi has said that she always had a liking to Logistics business. Reddy's family owns Hyderabad based logistics company Soni Transportations, which owns hundreds of buses and trucks.

Prabhakar Reddy has said that his daughter made him proud by her work. He wished that she would have a bright future as an entrepreneur.

BHEL commissions second unit of 800 MW Gadarwara plant in MP

Sangareddy:: 5th Feb 2021

Bharat Heavy Electricals Limited (BHEL) has successfully commissioned the second unit of the 2×800 MW Gadarwara Super Thermal Power Project Stage-I. Located at Gadarwara in Narsinghpur district of Madhya Pradesh, the greenfield project is being developed by NTPC (National Thermal Power Corporation Limited).



The first unit was commissioned by BHEL in 2019. So far, BHEL has commissioned 24 sets of supercritical boilers and 20 sets of supercritical turbine generators of 660/700/800 MW rating, of which eight sets of supercritical boilers and six sets of supercritical turbine generators have been commissioned for NTPC.

BHEL's scope of work in the project envisaged design, engineering, manufacture, supply and erection and commissioning of steam turbines, generators, boilers and associated auxiliaries, besides state-of-the-art Controls and Instrumentation (C&I) and Electro Static Precipitators (ESPs).

The key equipment for the project was manufactured at BHEL's Trichy, Haridwar, Bhopal, Ranipet, Hyderabad, Jhansi, Thirumayam and Bengaluru plants while the construction of the plant was done by the company's power sector – Northern Region, Noida.

NIT-Warangal secures international patents

Warangal:: 1st Feb 2021

Director of National Institute of Technology (NIT), Warangal, Prof NV Ramana Rao said the premier institute had not only secured patents from India but also from the US, besides some prestigious research projects including some on Covid-19.

Prof Rao said that Dr P Suresh, Assistant Professor, Department of Mechanical Engineering and his team were granted US patent for their invention titled

“Ultrasonic waveguide technique for distributed sensing and measurements of physical and chemical properties of surrounding media.”

Rao said that Dr D Jaya Krishna, Associate Professor, Department of Mechanical Engineering and his undergraduate student Prashanth Kumar Singh, B.Tech (Mechanical) 2011-15 were granted an Indian patent for their invention ‘A Novel bi-axial solar tracker using one motor.’

Dr P Suresh, Assistant Professor, Department of Mechanical Engineering and his team were granted a US patent for an invention titled, “Waveguide Technique for the Simultaneous Measurement of Temperatures Dependent Properties of Materials,” while Prof Shirish H Sonawane and his team were granted an Indian patent for their invention titled “Process for production of nano size iron oxide pigment.” Prof AVenu Gopal and his M.Tech student Joby Yeldo were granted an Indian patent for an invention entitled “Hovomarine.”

According to Prof AVenu Gopal, the Hovomarine is an amphibious vehicle that combines the functions of both hovercraft and submarine. Combining the operating principle makes it capable to move over land, water surface and underwater conditions. The vehicle works as a hovercraft on land and water surface and converts into a submarine when it needs to maneuver underwater.

Meanwhile Dr Soumya Lipsa Rath of the Department of Biotechnology and Dr Kishant Kumar of the Department of Chemical Engineering, working in collaboration, were awarded a project “To study the effect of atmospheric condition on the structure of the Severe Acute Respiratory Syndrome causing

Coronavirus (SARS-COV-2) that originated in 2019.”

The proposal was accepted on April 11, 2020, by



the Covid-19 High Performance Computing (HPC) Consortium that was formed by an amalgam of White House Office of Science and Technology Policy, the US Department of Energy, MIT, NASA and other prestigious Institutions.

Moreover, Dr Perugu Shyam, Assistant Professor in the Department of Biotechnology, in collaboration with a team at the National Institute of Animal Biotechnology (NIAB), Translational Health Science and Technology Institute (THSTI) were sanctioned a project entitled "Hunt for Pan-CoV for the Coronaviruses of the past, present and future" by DBT-BIRAC COVID-19 Research Consortium with an estimated budget of Rs 2.3 crore.

Dr Thyageshwar Chandran, Assistant Professor of Department of Biotechnology and Dr Surya Kanta Ghosh Assistant Professor, Department of Physics were sanctioned a project titled "Computational structure-based drug design: Identifying antivirals from natural products targeting SARS-CoV-2" in collaboration with M/s XSEDE and Microsoft Azure, USA and Fluid Numerics, USA.

Dr B Spoorthi, Assistant professor, Department of Humanities & Social Sciences was sanctioned a Major Project Grant titled 'Building an Artificially Intelligent Virtual Laboratory to develop Employability Skills of Engineering students 'AIVLES' to bridge the gap between College and the Corporate' from the Indian Council of Social Science Research (ICSSR).

Dr BKN Srinivasa Rao Assistant Professor Department of Electronics and communications engineering has developed "Programmable Electronic Jacquard Machine for complex designs in Handloom sector" for handloom sarees. Efforts are being made to improve it further and commercialise it. Centres of Excellence: The SIEMENS Centre of Excellence in "Digital Manufacturing & Industry 4.0" in collaboration with SIEMENS, with an investment of Rs.174 crore (88% by Siemens) being established in the campus, is a perfect example of Industry-Academia Partnership.

A Centre of Excellence in "Drone Technology" is being established in association with the University of Ukraine, the Telangana state government and the

Government of India. And three more such Centres of Excellence are in the pipeline. Meanwhile, Prof Ramana Rao himself was awarded the prestigious Bharat Ratna Sir Mokshagundam Visvesvaraya award-2020 by the Telangana government. Vadapalli Durga Rama Pavan, a research scholar under the guidance of Dr Sourabh Roy in the Department of Physics, was awarded the Young Achiever Award 2020 by the Institute of Scholars (InSc), Bengaluru.

Make in India' campaign epitomises challenges facing US-India trade relationship: USTR Report

WASHINGTON: Mar 2, 2021,

The Biden administration has said the US Congress that India's recent emphasis on import substitution through the 'Make in India' campaign has "epitomised" the challenges facing the bilateral trade relationship.



In its 2021 Trade Policy Agenda and 2020 Annual Report, the US Trade Representative (USTR) said that during 2020, the US continued its engagement with India to try to resolve longstanding market access impediments affecting US exporters. "While India's large market, economic growth, and progress towards development make it an essential market for many US exporters, a general and consistent trend of trade-restrictive policies has inhibited the potential of the bilateral trade relationship. Recent Indian emphasis on import substitution through a 'Make in India' campaign has epitomised the challenges facing the bilateral trade relationship," USTR said in its report to Congress.

Effective June 5, 2019, the United States terminated

India's eligibility under the Generalized System of Preferences (GSP) programme, following a review of concerns related to India's compliance with the GSP market access criterion.

Subsequent to the suspension of India's GSP benefits, the US and India resumed intensive work in the fall of 2019 aimed at producing a package of meaningful market access outcomes, and this engagement continued throughout 2020.

The objectives of the US in this negotiation included resolution of various non-tariff barriers, targeted reduction of certain Indian tariffs, and other market access improvements, it said. "The United States also engaged with India on an ongoing basis throughout 2020 in response to specific concerns affecting the full range of pressing bilateral trade issues, including intellectual property (IP) protection and enforcement, policy development affecting electronic commerce and digital trade, and market access for agricultural and non-agricultural goods and services," it said.

According to the report, while the United Kingdom remained the largest supplier of services, accounting for \$62.3 billion of total US services imports in 2019, India was the sixth largest with \$29.7 billion after Canada (\$38.6 billion), Japan (\$35.8 billion), Germany (\$34.9 billion) and Mexico (\$29.8 billion).

The USTR said that in July 2020, in response to outreach by it, India released US shipments of lactose and whey protein concentrate (WPC) that had been blocked since April 2020 when India began enforcing a requirement that those products be accompanied by a dairy certificate.

Prior to this shift in practice, US exports of lactose and WPC to India had grown steadily for years, reaching a high of approximately \$54 million in 2019 before falling to approximately \$32 million in 2020.

I have extreme respect for India and what it does,' says new WTO chief

NEW DELHI: Mar 2, 2021

Ngozi Okonjo-Iweala, the new director-general of the World Trade Organization (WTO), describes herself as a pragmatic person. She sets out her agenda in her first

interview after becoming the first woman and the first African to bag the top job at the multilateral body. While she backs discussions on issues of India's interest, such as public stockholding of foodgrains and safeguard mechanism to guard against a surge in farm imports, the 66-year-old says that it is difficult to ignore that over 100 members are backing discussions on investment facilitation and women-related aspects, which New Delhi is averse to. Excerpts:

It's a challenging time for WTO. How do you plan to make it relevant and vibrant?

We need to focus the organisation on getting results. The first thing will be to bring back the purpose, because, at times, you lose sight of purpose while negotiating. The purpose is very clear in the preamble to the Marrakesh Agreement: it's the people. It is about improving their living standards, creating employment and supporting sustainable development.

My objective is to deliver results that matter to people. Right now, the biggest issue that matters to people is solutions to Covid-19. My top-most priority is to see how WTO can contribute in a salient way to (finding) solutions to deal with the pandemic. The second one is fisheries subsidy negotiations, which have been going on for 20 years. Twenty years are enough. That's my slogan, we must finish it this year.

Third is the dispute settlement system. There is no point in continuing to make new rules if you don't have the platform for members to come and put disagreements to settlement and arbitration. Otherwise, you get a situation where bilateral tit-for-tat goes on.

There are other issues like subsidies where we need to do some more work. I am very keen on MSMEs and women in trade because globalisation and world trade have left some people marginalised. Also, technology has led to new changes in sectors such as mining, which is resulting in people losing jobs.

How do you propose to bridge the trust deficit between members?

It is true that there is a trust deficit. It is between the developed countries themselves, between developed countries and emerging markets and between the

developing and the developed countries – it's on all sides. To make good progress we need to build trust. But in my experience, you can't bring people into a room to talk about it. It is through building confidence with some actions. When you achieve a positive result together, it builds a shared feeling of partnership that begins to bring people together.

What is your view on the proposal by India and South Africa on flexibility under TRIPS for Covid?

Many developing countries have signed the proposal as they feel it will be beneficial. We can discuss and look at some immediate solutions to help increase the manufacturing capacity. India is a perfect example, with Serum Institute and Bharat Biotech. We need to encourage companies to have more manufacturing sites.

The world manufactures 3.5 billion doses of vaccine, but now we are seeking 10 billion doses. However, investment to make this happen has not been done as yet. There are countries in my continent that have not vaccinated even one person. This is not acceptable. We need to get supply facilities working.

Countries like India have some reservations over 21st-century issues, as they argue some of them are non-trade issues. How do you propose to address these differences?

We will approach issues like public stockholding, which concerns developing countries like India, and try to get deliverables. India has tabled some objections to the new issues. Notwithstanding that, some members have decided to come together and discuss them.

What surprises me is the significant number of members who are already discussing some of these issues. For instance, investment facilitation already has 100 members, women issues have 127 members. India has said something very important on digital economy and e-commerce, the two areas in which it is very advanced. It has spoken about the digital divide, which makes a lot of sense. We should find out what is the digital divide.

Some countries are talking about physical infrastructure



ON PURPOSE...

“ The first thing will be to bring back the purpose because at times, while negotiating, you lose sight of purpose

ON MSMEs, WOMEN

“ I am very keen on MSMEs and women in trade because globalisation and world trade has left some people marginalised

ON TECHNOLOGY

“ Technology has led to new changes in sectors such as mining, which is resulting in people losing jobs

ON DIGITAL DIVIDE

“ We should now find out what is the digital divide

NGOZI OKONJO-IWEALA | DIRECTOR GENERAL, WTO

problems, and some others will need investment. We will talk to the World Bank and the others. The other issue is the absence of regulatory capacity, for which we can use capacity building initiatives to bridge the digital divide.

Is it time to review the consensus-based approach at WTO?

The consensus-based approach has been enshrined in the Marrakesh Agreement. I have told members they need to ensure that the consensus-based approach does not result in blocking of things that will improve their overall well-being and economic welfare. I want them to define the implication of their decisions on the ordinary person.

What is your view on suggestions that countries such as China, India and Brazil should not get the same benefit as poorer developing countries?

Special and differential treatment (S&DT) is one of the most divisive and delicate issues. The members have to discuss it with each other and come to a consensus. The least developed countries need S&DT for their policy space. It's something that needs to be looked into to find out what's the way forward – whether we need to tailor it to suit each member's development or apply some other approach.

Is there a need to review it?

The idea is enshrined in some of the agreements. Given the way things are evolving, members may want to sit

down and talk to each other because it is one of those things that undermine trust. The only way to deal with it is to discuss it and come to some agreement.

What is your expectation from India's commerce minister Piyush Goyal ?

He is somebody I have tremendous respect for. We have had a couple of conversations and he was right on the point. I would expect his support to get results. WTO must deliver some results this year, which means all of us have to come together and cooperate. India is such a force. I have extreme respect for India and what it does.

India will invest ₹6 lakh crore in port projects by 2035: PM Modi

02 Mar 2021, 03:12 PM

The Ministry of Ports, Shipping and Waterways is ready with a list of 400 investable projects with investment potential of ₹2.25 lakh crore, Modi said

To increase share of clean renewable energy source in maritime sector, develop waterways, augment seaplane services, India will invest ₹6 lakh crore in port projects by 2035, Prime Minister Narendra Modi said. "More than 574 projects at a cost ₹6 lakh crore have been identified under the Sagarmala project for implementation during 2030 and 2035... We will encourage private investment in the port sector... India's long coastline awaits you. India's hardworking people await you," Modi said.

While urging players to invest in Indian ports, shipyards and waterways, Modi said, "Invest in our ports. Invest in our people. Let India be your preferred trade destination. Let Indian ports be your port of call for trade and commerce." The Ministry of Ports, Shipping and Waterways is ready with a list of 400 investable projects with investment potential of ₹2.25 lakh crore, Modi said, adding, this will further strengthen India's commitment of overall development of its maritime sector.

"Through this Maritime India summit, I want to invite the world to come to India and be a part of our growth trajectory. India is emerging as a leading blue economy of the world. Our leading focus area includes upgrading current infrastructure, creating next generation infra, boosting the reform journey. Through these steps we aim to give vision to our Aatmanirbhar Bharat," he said.

Modi further noted that "ours is a government that is investing in waterways in a way that was never seen before. Domestic waterways are found to be cost effective and environment friendly ways of transporting freight. We aim to operate 23 waterways by 2030."

He said this will be done through infrastructure enhancement, fairway development, navigation aid and river information system provisions and focus will also be given on augmenting regional connectivity to Bangladesh, Bhutan and Myanmar.

New Maritime Infra will usher in ease of living through launch of roll-on, roll-off and other projects for harnessing rivers. "Waterdromes at 16 locations are being developed to enable seaplane operations. River cruise terminal infra and jetty are being developed on five national waterways. We aim to develop domestic and international cruise terminals by 2023," the Prime Minister said.

Asserting that the government is working towards holistic maritime development that is not in silos, he said plans have been drawn for developing tourism on land adjacent to 78 out of 189 lighthouses on Indian coastline.

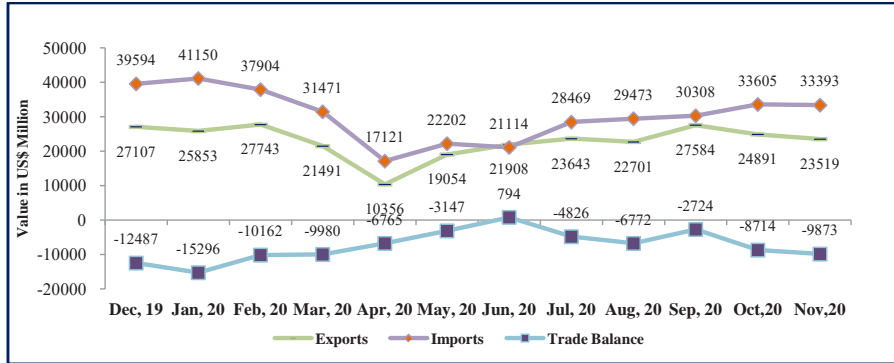
"This with the objective of enhancing development of the existing lighthouses and its surrounding areas into unique maritime tourism landmarks," he said adding the government has also initiated holistic development of islands. Alongside, the usage of clean renewable energy in the maritime sector is being raised.

"We are in the process of installing solar and wind based power systems in all the major ports across the country. We aim to increase usage of renewable energy to more than 60 per cent of all energy by 2030 in three phases across Indian ports," he said.

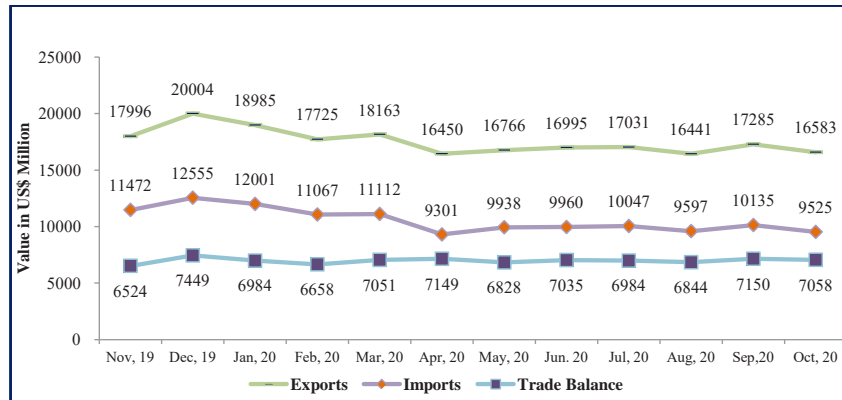
Modi said, Indian ports have reduced waiting time for inbound and outbound cargo. "India is very serious about growing in the maritime sector and emerging as a leading Blue Economy of the world," he said. Recalling India's rich maritime heritage, the PM said it brings together many stakeholders. "Together we will achieve great success in boosting the maritime economy. India is a natural leader in this sector. Our nation has a rich maritime history. Civilisations flourished on our coasts. For thousands of years. Our ports have been important trading centres. Our ports connected India to the world," he said

Indian Trade Analysis

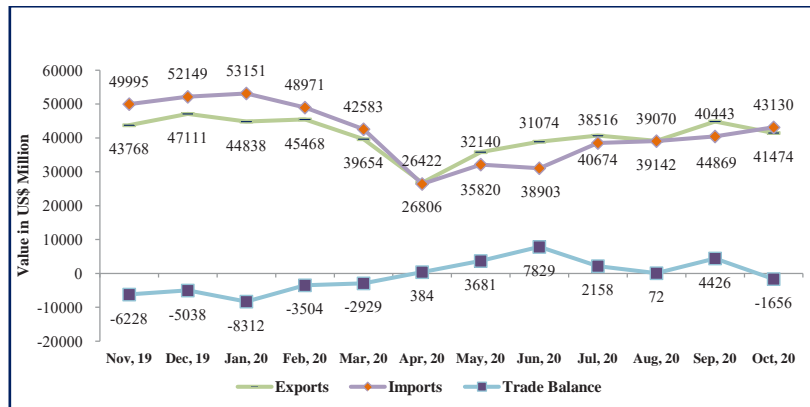
Trend of Merchandise Trade for last 12 months



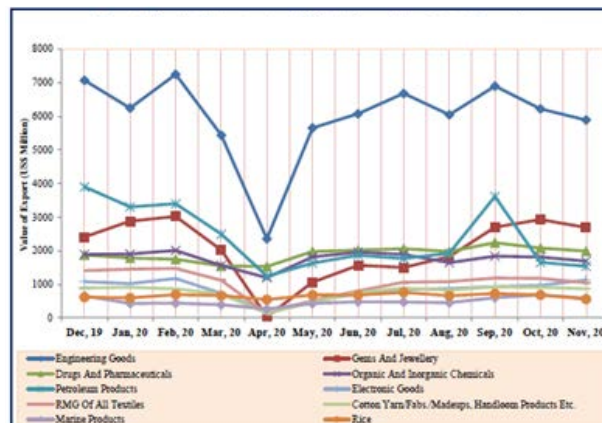
Trend of Services Trade for last 12 months



Trend of Overall Trade for last 12 months



Trend of Export values of Major Commodities for last 12 months



Source: DGCI&S, Kolkata

India's performance in Global Trade

India's Export Performance: Percentage Share in World Trade (Calendar year wise)				
Years	India's Share in World Merchandise Exports	India's Share in World Commercial Services Exports	India's Share in World Merchandise Plus Services Exports	
2011	1.65	3.18	1.94	
2012	1.6	3.25	1.92	
2013	1.66	3.12	1.95	
2014	1.7	3.06	1.99	
2015	1.62	3.2	1.98	
2016	1.65	3.3	2.03	
2017	1.68	3.47	2.10	
2018	1.67	3.54	2.10	
2019	1.71	3.52	2.15	
India's Import Performance: Percentage Share in World Trade (Calendar year wise)				
Years	India's Share in World Merchandise Imports	India's Share in World Commercial Services Imports	India's Share in World Merchandise Plus Services Imports	
2011	2.51	2.99	2.6	
2012	2.62	2.97	2.68	
2013	2.45	2.73	2.5	
2014	2.42	2.55	2.45	
2015	2.25	2.59	2.32	
2016	2.13	2.78	2.27	
2017	2.48	3.02	2.60	
2018	2.57	3.20	2.71	
2019	2.52	3.11	2.66	
India's rank in World trade (Calendar year wise)				
Years	Merchandise Exports	Merchandise Imports	Services Exports	Services Imports
2011	19	12	7	9
2012	19	10	7	10
2013	20	12	7	10
2014	19	13	8	11
2015	21	13	8	11
2016	21	14	8	11
2017	20	11	8	10
2018	19	10	8	10
2019	18	10	8	10

Source: WTO

India's Export by Destination for 8 digit HS code level

(value in US\$ Million)							
S. No.	Destinations	2018-19	2019-20	% Change	April-Nov, 2019	April-Nov, 2020	% Change
1	U S A	52,406.27	53,088.77	1.30	35,573.92	31,336.63	-11.91
2	China P Rp	16,752.20	16,612.75	-0.83	11,454.92	13,642.89	19.10
3	U Arab Emts	30,126.73	28,853.59	-4.23	19,709.15	9,686.22	-50.85
4	Hong Kong	13,001.99	10,967.12	-15.65	7,842.29	6,374.10	-18.72
5	Singapore	11,572.27	8,922.66	-22.90	6,479.97	5,503.57	-15.07
6	Bangladesh Pr	9,210.06	8,200.75	-10.96	5,266.85	4,938.90	-6.23
7	Germany	8,902.43	8,290.90	-6.87	5,519.15	4,873.87	-11.69
8	U K	9,309.29	8,737.85	-6.14	5,702.61	4,558.62	-20.06
9	Malaysia	6,436.30	6,364.66	-1.11	4,224.07	3,970.13	-6.01
10	Netherland	8,812.84	8,366.11	-5.07	5,719.30	3,815.36	-33.29
11	Saudi Arab	5,561.72	6,236.86	12.14	3,832.90	3,597.95	-6.13
12	Nepal	7,766.20	7,160.35	-7.80	4,794.35	3,403.67	-29.01
13	Vietnam Soc Rep	6,507.38	5,059.90	-22.24	3,582.67	2,988.45	-16.59
14	Korea Rp	4,705.07	4,845.15	2.98	3,089.04	2,889.41	-6.46
15	Belgium	6,729.93	5,809.88	-13.67	3,946.16	2,835.02	-28.16
16	Indonesia	5,275.60	4,129.33	-21.73	2,519.82	2,671.19	6.01
17	Italy	5,593.42	4,970.81	-11.13	3,220.78	2,607.66	-19.04
18	France	5,232.57	5,097.81	-7.02	3,466.29	2,597.31	-25.07
19	Japan	4,861.73	4,520.25	-2.58	3,101.05	2,539.84	-18.10
20	Australia	3,520.44	2,852.14	-18.98	1,890.99	2,466.65	30.44
21	Brazil	3,800.49	3,967.39	-8.86	2,659.49	2,398.52	-9.81
22	Turkey	5,452.45	4,969.47	4.39	3,412.90	2,337.83	-31.50
23	Thailand	4,441.40	4,299.30	-3.20	2,907.22	2,328.86	-19.89
24	South Africa	4,067.20	4,108.17	1.01	2,781.28	2,168.07	-22.05
25	Sri Lanka Dsr	4,710.21	3,800.91	-19.30	2,615.27	2,096.34	-19.84
26	Mexico	3,841.57	3,623.71	-5.67	2,477.84	1,912.51	-22.82
27	Spain	4,182.49	3,945.44	-5.67	2,629.36	1,883.37	-28.37
28	Canada	2,851.42	2,851.79	0.01	1,857.55	1,798.12	-3.20
29	Nigeria	3,005.21	3,609.91	20.12	2,414.07	1,777.54	-26.37
30	Israel	3,717.98	3,363.10	-9.55	2,414.26	1,604.36	-33.55
31	Russia	2,389.47	3,017.67	26.29	2,075.62	1,600.30	-22.90
32	Oman	2,246.31	2,261.81	0.69	1,317.91	1,424.64	8.10
33	Egypt A Rp	2,886.39	2,504.23	-3.91	1,746.78	1,370.24	-21.56
34	Iran	3,511.01	3,373.62	-13.24	2,237.50	1,290.07	-42.34
35	Kenya	2,071.84	2,108.58	1.77	1,311.78	1,209.52	-7.80
36	Taiwan	2,607.21	1,674.52	-35.77	1,122.87	990.03	-11.83
37	Iraq	1,788.66	1,878.17	5.00	1,327.41	966.81	-27.17
38	Poland	1,572.80	1,548.11	1.13	1,003.26	928.65	-7.44
39	Philippines	1,743.64	1,526.03	2.11	1,007.94	921.38	-8.59
40	Switzerland	1,186.69	1,200.08	-1.57	818.50	897.37	9.64
41	Tanzania Rep	1,704.04	1,740.08	-12.48	1,218.93	890.95	-26.91
42	Togo	694.09	1,040.60	49.92	663.60	820.46	23.64
43	Mozambique	1,073.31	2,174.31	102.58	1,444.53	789.73	-45.33
44	Qatar	1,611.16	1,268.35	-21.28	785.65	761.16	-3.12
45	Sudan	920.88	1,096.88	19.11	625.81	646.71	3.34

Source: DGCI&S, Kolkata

India's Import by Source for 8 digit HS code level

(value in US\$ Million)							
S. No.	Sources	2018-19	2019-20	% Change	April-Nov, 2019	April-Nov, 2020	% Change
1	China P Rp	70,319.64	65,260.75	-7.19	46,902.02	38,815.54	-17.24
2	U S A	35,549.48	35,819.87	0.76	25,126.75	16,140.29	-35.76
3	U Arab Emts	29,785.33	30,256.65	1.58	19,500.73	13,090.83	-32.87
4	Hong Kong	17,987.01	16,935.32	-5.85	11,718.93	9,488.33	-19.03
5	Saudi Arab	28,479.21	26,857.37	-5.69	18,193.09	9,204.48	-49.41
6	Iraq	22,372.47	23,740.18	6.11	15,386.08	7,581.50	-50.72
7	Indonesia	15,849.67	15,061.87	-4.97	9,550.10	7,266.88	-23.91
8	Korea Rp	16,758.97	15,659.70	-6.56	10,903.28	7,127.38	-34.63
9	Singapore	16,281.64	14,746.78	-9.70	9,720.35	7,069.81	-27.27
10	Germany	15,161.08	13,691.11	-9.43	9,048.31	6,462.61	-28.58
11	Japan	12,772.67	12,434.67	-2.65	8,638.77	6,144.25	-28.88
12	Switzerland	18,087.58	16,899.89	-9.66	12,807.73	5,836.91	-54.43
13	Qatar	10,721.70	9,685.98	-25.50	6,048.56	4558.53	-24.63
14	Australia	13,131.21	9,782.22	-9.58	7,128.35	4458.5	-37.45
15	Malaysia	10,818.60	9,782.28	-6.57	6,868.38	4415.68	-35.71
16	Belgium	10,469.22	8,879.46	1.27	5,984.29	3866.42	-35.39
17	Vietnam Soc Rep	7,192.23	7,283.42	21.45	5,430.29	3642.39	-32.92
18	Nigeria	10,884.71	10,213.61	-15.19	7,210.27	3281.38	-54.49
19	South Africa	6,517.33	6,969.79	-6.17	4,437.98	3268.64	-26.35
20	Russia	5,840.44	7,093.01	-8.78	4,453.18	3206.28	-28
21	Thailand	7,441.81	6,788.38	6.94	4,745.48	3170.57	-33.19
22	Kuwait	7,430.82	9,573.80	-11.23	6026.26	2946.03	-51.11
23	U K	7,561.93	6,712.63	-11.60	4525.28	2616.29	-42.19
24	Taiwan	4,577.25	4,046.23	-15.14	2,805.86	2348.84	-16.29
25	Italy	5,292.38	4,490.92	-7.45	3093.48	2227.68	-27.99
26	France	6,665.67	6,168.82	28.84	4490.09	2045.8	-54.44
27	Canada	3,515.41	3,880.33	10.38	2845.92	1908.56	-32.94
28	Netherland	4,062.80	3,390.97	-16.54	2,367.75	1879.9	-20.6
29	Brazil	4,406.43	3,074.97	-22.96	1,952.42	1800.45	-7.78
30	Argentina	1,954.99	2,327.26	19.04	1,535.99	1661.49	8.17
31	Mexico	5,577.03	4,296.80	-30.22	2957.09	1585.99	-46.37
32	Oman	2,759.00	3,669.33	33.00	2473.91	1486.53	-39.91
33	Ukraine	2,341.03	2,060.79	-11.97	1294.83	1300.38	0.43
34	Egypt A Rp	1,677.82	2,031.38	-9.40	1418.44	1199.09	-15.46
35	Israel	1,931.58	1,592.70	21.07	1025.27	1171.44	14.26
36	Angola	4,027.49	3,649.02	-17.54	2676.1	1135.88	-57.55
37	Morocco	1,326.69	952.54	-28.20	720.47	994.03	37.97
38	Turkey	2,388.26	2,116.56	-11.38	1498.45	897.85	-40.08
39	Peru	2,405.40	1,575.09	-4.01	996.87	852.7	-14.46
40	Ghana	3,763.41	1,773.55	-52.87	1309.82	828.6	-36.74
41	Spain	1,680.50	1,613.17	-23.13	1152.45	821.42	-28.72
42	Colombia	1,054.98	810.95	-4.62	482.26	749.84	55.48
43	Jordan	1,116.25	1,064.66	218.25	706.81	713.85	1
44	Venezuela	7,258.95	6,057.01	-34.52	3580.19	653.12	-81.76
45	Guinea	414.26	416.30	-5.00	219.91	608.9	176.88

Source: DGCI&S, Kolkata

India's Export by 8-digit HS code level

(value in US\$ Million)

Sl. No.	HS Code	Commodity	2018-19	2019-20	% Change	April-Nov, 2019	April-Nov, 2020	% Change
1	71023910	Diamond(Othr Thn Indstrl Diamond)Cut Or Otherwise Worked But Not Mounted Or Set	23,769.33	18,609.43	-21.71	13,266.57	8,975.22	-32.35
2	27101944	Automotive Diesel Fuel, Not Containing Biodiesel, Conforming To Standard Is 1460					5,273.83	
3	30049099	Other Medene Put Up For Retail Sale N.E.S	5,806.41	6,446.15	11.02	4,245.96	5,150.22	21.3
4	10063020	Basmati Rice	4,712.44	4,372.00	-7.22	2,527.68	2,673.47	5.77
5	76011010	Aluminium Ingots-Not Alloyed	3,279.41	2,949.73	-10.05	1,930.11	2,372.87	22.94
6	3061720	Vannamei Shrimp (Litopenaeus Vannamei)					2,344.48	
7	27101949	High Flash High Speed Diesel Fuel Conforming To Standard Is 16861					2,288.76	
8	27101241	Motor Gasoline Conforming To Standard Is 2796					2,087.91	
9	2023000	Boneless Meat Of Bovine Animals , Frozen	3,314.94	2,932.38	-11.54	2,063.10	1,877.22	-9.01
10	84111200	Turbo-Jets Of A Thrust>25 Kn	3,121.74	3,195.01	2.35	2,071.93	1,668.95	-19.45
11	85171211	Mobile Phones, Other Than Push Button Type					1,466.17	
12	89059090	Other Under Hdng 8905	2,138.73	1,596.58	-25.35	1,117.81	1,382.06	23.64
13	27101920	Aviation Turbine Fuel (Atf)	9,353.97	7,253.96	-22.45	5,217.78	1,324.53	-74.62
14	10063010	Rice Parboiled	1,510.95	1,215.15	-19.58	838.29	1,318.56	57.29
15	71131930	Jewellery Of Gold Set With Diamond	2,734.02	2,758.72	0.90	1,997.59	1,303.89	-34.73
16	87089900	Otr Prtsandaccsrs Of Vhcls Of Hdg 8701-8705	2,817.84	2,469.97	-12.35	1,666.22	1,279.08	-23.23
17	17019990	Othr Refind Sugar Includng Centrifugal Suger	1,113.05	1,353.71	21.62	736.48	1,240.52	68.44
18	27101290	Other	4,205.52	4,791.68	13.94	2,820.84	1,197.13	-57.56
19	27101221	Light Naphtha					1,151.56	
20	71131120	Silver Jewellery Set With Gems	784.16	1,325.76	69.07	668.62	1,125.78	68.37
21	26011142	55% Fe Or More But Below 58% Fe	48.89	840.84	1,619.90	530.83	1,113.30	109.73
22	26011210	Agglomerated Iron Ore Pellets	1,039.22	1,317.87	26.81	913.71	1,087.61	19.03
23	29024300	P-Xylene	2,750.39	2,259.15	-17.86	1,576.08	1,079.14	-31.53
24	87032291	Motor Car Wth Cylndr Cpcty>=1000cc But < 1500cc Wth Sprk-Igntn	3,017.53	3,002.25	-0.51	2,182.86	1,012.90	-53.6
25	72071920	Mild Steel (M.S.) Billets	813.97	763.31	-6.22	486.91	991.07	103.54
26	10063090	Rice Excptg Parboiled (Excl Basmati Rice)	1,055.68	636.37	-39.72	378.95	987.80	160.67
27	71131910	Jewellery Of Gold Unset	8,406.53	8,508.45	1.21	6,072.83	984.31	-83.79
28	87112029	Motr Cyclwth Cylndr Cpcty >75 Bt<=250 Cc	1,657.36	1,644.40	-0.78	1,101.8	844.25	-23.38
29	61091000	T-Shirts Etc Of Cotton	1,847.08	1,864.51	0.94	1,213.21	838.5	-30.89
30	72083940	Strips Of Flat-Rold Prdcts In Coils Of A Thekns< 3 Mm Hot-Rld,Excl.Pickl	544.09	732.39	34.61	597.11	818.98	37.16
31	72083930	Sheets Of Flat-Rold Prdcts In Coils Of A Thekns< 3 Mm Hot-Rld,Excl.Pickl	435.60	662.88	52.17	422.92	798.32	88.76
32	87032391	Motor Car Wth Cylndr Cpcty>=1500cc But <3000cc Wth Sprk-Igntn	1,909.98	1,969.78	3.13	1,231.78	768.25	-37.63
33	38089390	Other Herbicides-Anti-Sprouting Products	849.11	1,010.90	19.05	641.71	739.91	15.3

Source: DGCI&S, Kolkata

India's Import By 8 Digit HS Code Level

(Value In US\$ Million)

S. No.	HS Code	Commodity	2018-19	2019-20	% Change	April-Nov, 2019	April-Nov, 2020	% Change
1	27090000	Petroleum Oils And Oils Obtained From Bituminous Minerals Crude	1,14,042.12	1,02,748.77	-9.90	68,037.79	31,208.83	-54.13
2	71081200	Other Non-Monetary Unwrought Forms Of Gold	32,805.61	28,144.17	-14.21	20,527.72	12,223.79	-40.45
3	71023100	Non-Industrial Diamonds Unworked/Simply Sawn Cleaved Or Bruted	15,677.74	12,686.78	-19.08	8,270.09	4,936.12	-40.31
4	27111100	Liquified Natural Gas	10,558.24	9,662.79	-8.48	6,475.47	4721.53	-27.09
5	27011920	Steam Coal	10,487.11	9,367.60	-10.68	6176.18	4383.38	-29.03
6	85177090	Othr Parts Of Telephone/Telegrphc Apparts	6,591.97	7,225.35	9.61	5411.18	4083.36	-24.54
7	71023910	Diamond(Othr Thn Indstrl Diamond)Cut Or Otherwise Worked But Not Mounted Or Set	9,677.65	7,922.00	-18.14	5358.41	3664.25	-31.62
8	27011910	Coking Coal	10,317.58	8,665.81	-16.01	6207.84	3582.89	-42.28
9	15111000	Crude Palm Oil And Its Fractns	3,674.32	3,615.98	-1.59	2,263.32	3322.92	46.82
10	84713010	Personal Computer (Laptop,Palmtop,Etc)	2,966.84	3,167.92	6.78	2389.94	3059.52	28.02
11	85423100	Monolithic Integrated Circuits - Digital	4,723.04	5,150.04	9.04	3745.12	2823.78	-24.6
12	85176290	Other	5,336.11	3,052.86	-42.79	2182.88	2315.63	6.08
13	27111300	Liquified Butanes	4,292.14	4,044.03	-5.78	2520.18	2312.56	-8.24
14	31021000	Urea Whether Or Not In Aqueous Solution	1,887.82	2,886.30	52.89	2021.2	2135.17	5.64
15	27111200	Liquified Propane	3,501.27	3,433.99	-1.92	2094.19	2065.52	-1.37
16	15071000	Soya Bean Crude Oil W/N Degummed	2,350.26	2,352.99	0.12	1573.25	1869.13	18.81
17	31053000	Diamonm Hydrgrnorthphosph(Diamonm Phosph)	2,955.18	1,996.07	-32.46	1693.34	1740.58	2.79
18	85171211	Mobile Phones, Other Than Push Button Type					1626.18	
19	85423900	Other	1,616.82	2,527.33	56.31	1729.43	1383.62	-20
20	88024000	Aeroplanes And Othr Aircraft,Of An Unladen Weight Exceeding 15000 Kg	5,713.19	7,119.90	24.62	4578.84	1229.06	-73.16
21	15121110	Sunflower Seed Oil Crude	1,966.02	1,887.71	-3.98	1123.64	1224.05	8.94
22	85299090	Othe Parts Fr Othr Use	1,312.69	1,317.06	0.33	957.8	1190.37	24.28
23	84715000	Digitl Procesng Units Excl Of Sub Hdngs 847141 And 847149,Wh/Not Cont One/Two Typs Of Uni,Like Storg/Input/Output Uni	1,795.38	1,706.18	-4.97	1,234.32	1159.41	-6.07
24	76020010	Aluminium Scrap Coverd By Isri Code Tablettabloid,Taboo,Taint/Tabor,Take, Talap, Talcred,Taldack,Taldon,Ta	2,467.34	1,978.61	-19.81	1362.94	1105.89	-18.86
25	28092010	Phosphoric Acid	2,113.19	1,692.00	-19.93	1218.58	1056.69	-13.28
26	31042000	Potassium Chloride	1,190.11	1,140.30	-4.18	775.83	934.38	20.44
27	72042190	Othr Wst And Scrp Of Stainless Steel	1,513.32	1,589.38	5.03	1173.39	863.84	-26.38
28	27101971	Base Oil					850.12	
29	27101959	Grade Hv					835.23	
30	8013100	Cashen Nuts Fresh/Dried In Shell	1,566.68	1,242.37	-20.70	970.65	771.49	-20.52
31	72044900	Other Waste And Scrap	2,017.39	1,663.23	-17.56	1210.28	741.03	-38.77
32	85258090	Other	883.04	1,336.62	51.37	953.98	728.84	-23.6
33	85076000	Lithium-Ion	1,225.87	1,246.22	1.66	916.24	721.5	-21.25
34	87089900	Otr Prtsandacssrs Of Vhcls Of Hdg 8701-8705	1,718.35	1,462.82	-14.87	994.25	691.38	-30.46
35	27011200	Bitumns Coal W/N Pulvrsd But Nt Aglomrtd	2,056.80	2,122.18	3.18	1428.48	660.07	-53.79

Source: DGCI&S, Kolkata

India's Export by Destination

(Value in US\$ Million)						
S.No.	Destinations	Apr-Nov, 19	% Share	Apr-Nov, 20	% Share	% Change
1	U S A	35588.19	16.85	31343.39	18.00	-11.93
2	China P Rp	11456.09	5.43	13644.57	7.84	19.10
3	U Arab Emts	19709.24	9.33	9686.18	5.56	-50.85
4	Hong Kong	7842.29	3.71	6374.10	3.66	-18.72
5	Singapore	6480.03	3.07	5509.97	3.16	-14.97
6	Bangladesh Pr	5266.89	2.49	4975.99	2.86	-5.52
7	Germany	5519.41	2.61	4874.54	2.80	-11.68
8	U K	5719.07	2.71	4585.15	2.63	-19.83
9	Malaysia	4224.10	2.00	3970.05	2.28	-6.01
10	Netherland	5720.69	2.71	3816.31	2.19	-33.29
11	Saudi Arab	3832.90	1.82	3596.33	2.07	-6.17
12	Nepal	4794.35	2.27	3410.57	1.96	-28.86
13	Vietnam Soc Rep	3582.68	1.70	2988.48	1.72	-16.59
14	Korea Rp	3089.41	1.46	2890.81	1.66	-6.43
15	Belgium	3946.18	1.87	2835.09	1.63	-28.16
16	Indonesia	2520.19	1.19	2671.41	1.53	6.00
17	Italy	3221.12	1.53	2607.90	1.50	-19.04
18	France	3467.39	1.64	2599.02	1.49	-25.04
19	Japan	3101.21	1.47	2540.05	1.46	-18.09
20	Australia	1891.03	0.90	2467.54	1.42	30.49
21	Brazil	2659.55	1.26	2398.58	1.38	-9.81
22	Turkey	3412.90	1.62	2337.84	1.34	-31.50
23	Thailand	2907.22	1.38	2328.89	1.34	-19.89
24	South Africa	2781.28	1.32	2168.08	1.25	-22.05
25	Sri Lanka Dsr	2615.27	1.24	2096.66	1.20	-19.83
26	Mexico	2477.84	1.17	1912.52	1.10	-22.82
27	Spain	2629.58	1.25	1883.40	1.08	-28.38
28	Canada	1857.57	0.88	1798.15	1.03	-3.20
29	Nigeria	2414.07	1.14	1777.54	1.02	-26.37
30	Israel	2414.26	1.14	1604.36	0.92	-33.55
31	Russia	2075.66	0.98	1600.51	0.92	-22.89
32	Oman	1317.91	0.62	1424.64	0.82	8.10
33	Egypt A Rp	1746.79	0.83	1370.29	0.79	-21.55
34	Iran	2237.57	1.06	1290.18	0.74	-42.34
35	Kenya	1311.79	0.62	1209.44	0.69	-7.80
36	Taiwan	1122.92	0.53	990.35	0.57	-11.81
37	Poland	1003.26	0.48	928.72	0.53	-7.43
38	Philippines	1007.94	0.48	925.69	0.53	-8.16
39	Tanzania Rep	1218.93	0.58	890.91	0.51	-26.91
40	Pakistan Ir	698.32	0.33	169.53	0.10	-75.72
Total		180883.09	85.66	148493.73	85.28	-17.91
Others		30283.84	14.34	25622.34	14.72	-15.39
India's total Export		2,11,166.93	100.00	1,74,116.07	100.00	-17.55

Source: DGCI&S, Kolkata (P: Provisional) (Note: (i) Others includes remaining destinations (ii) The above listed 40 destinations are fixed based on the top 40 destinations of export for the year 2018-19)

India's Import by Sources

(Value in US\$ Million)						
S.No.	Sources	April-Nov, 19	% Share	Apr-Nov, 20	% Share	% Change
1	China P Rp	46902.02	14.45	38818.63	17.74	-17.23
2	U S A	25126.82	7.74	16305.32	7.45	-35.11
3	U Arab Emts	19508.15	6.01	13093.8	5.98	-32.88
4	Hong Kong	11718.93	3.61	9488.34	4.34	-19.03
5	Saudi Arab	18193.09	5.60	9204.48	4.21	-49.41
6	Germany	9048.31	2.79	8185.53	3.74	-9.54
7	Iraq	15386.08	4.74	7581.5	3.46	-50.72
8	Indonesia	9554.27	2.94	7267.56	3.32	-23.93
9	Korea Rp	10903.28	3.36	7127.39	3.26	-34.63
10	Singapore	9720.35	2.99	7069.84	3.23	-27.27
11	Japan	8638.77	2.66	6144.28	2.81	-28.88
12	Switzerland	12807.73	3.95	5836.9	2.67	-54.43
13	Qatar	6048.56	1.86	4558.53	2.08	-24.63
14	Australia	7128.35	2.20	4459.05	2.04	-37.45
15	Malaysia	6868.38	2.12	4415.66	2.02	-35.71
16	Belgium	5984.3	1.84	3866.63	1.77	-35.39
17	Vietnam Soc Rep	5430.29	1.67	3642.39	1.66	-32.92
18	Nigeria	7210.27	2.22	3281.38	1.50	-54.49
19	South Africa	4437.98	1.37	3274.51	1.50	-26.22
20	Russia	4453.18	1.37	3206.28	1.46	-28.00
21	Thailand	4745.48	1.46	3170.57	1.45	-33.19
22	Kuwait	6026.26	1.86	2946.03	1.35	-51.11
23	U K	4525.29	1.39	2616.53	1.20	-42.18
24	France	4490.09	1.38	2352.39	1.07	-47.61
25	Taiwan	2805.86	0.86	2348.84	1.07	-16.29
26	Italy	3093.48	0.95	2228.78	1.02	-27.95
27	Canada	2845.92	0.88	1908.57	0.87	-32.94
28	Netherland	2367.75	0.73	1880.05	0.86	-20.60
29	Brazil	1952.42	0.60	1800.45	0.82	-7.78
30	Argentina	1535.99	0.47	1661.49	0.76	8.17
31	Mexico	2957.09	0.91	1585.99	0.72	-46.37
32	Oman	2473.91	0.76	1486.53	0.68	-39.91
33	Ukraine	1294.83	0.40	1300.38	0.59	0.43
34	Angola	2676.1	0.82	1135.88	0.52	-57.55
35	Turkey	1498.45	0.46	897.85	0.41	-40.08
36	Peru	996.87	0.31	852.7	0.39	-14.46
37	Ghana	1309.82	0.40	828.6	0.38	-36.74
38	Venezuela	3580.19	1.10	653.12	0.30	-81.76
39	Chile	816.34	0.25	555	0.25	-32.01
40	Iran	1292.16	0.40	187.54	0.09	-85.49
Total		2,98,353.41	91.92	1,99,225.29	91.02	-33.23
Others		26,236.86	8.08	19,648.67	8.98	-25.11
India's Total Import		3,24,590.27	100.00	2,18,873.96	100.00	-32.57

Source: DGCI&S, Kolkata (P: Provisional). (Note: (i) Others includes remaining sources (ii) The above listed 40 sources are fixed based on the top 40 sources of import for the year 2018-19)

India's Export Profile: State-wise Growth

(value in US\$ Million)							
S. No.	States	2018-19	2019-20	% Change	April-Nov 2019	April-Nov 2020	% Change in 2020 (Apr-Nov) over 2019 (Apr-Nov)
1	Gujarat	67412.15	63448.40	-5.88	40086.24	37851.50	-5.57
2	Maharashtra	72809.28	64906.08	-10.85	44609.71	33926.64	-23.95
3	Tamil Nadu	30525.91	30014.55	-1.68	20185.87	15092.29	-25.23
4	Andhra Pradesh	14085.63	14787.75	4.98	9390.80	10111.62	7.68
5	Uttar Pradesh	16289.17	16989.21	4.30	11386.62	9732.91	-14.52
6	Karnataka	17341.29	16639.45	-4.05	11546.79	9011.52	-21.96
7	Haryana	13833.25	12056.14	-12.85	7852.54	6743.61	-14.12
8	Odisha	6303.36	6655.69	5.59	4323.84	6378.40	47.52
9	Telangana	7168.26	7359.32	2.67	4854.43	5563.40	14.60
10	West Bengal	10057.13	9490.84	-5.63	6368.03	5005.55	-21.40
11	Delhi	9464.60	10370.15	9.57	6965.99	4933.47	-29.18
12	Madhya Pradesh	6382.37	5318.32	-16.67	3507.48	3954.30	12.74
13	Rajasthan	7061.61	6637.05	-6.01	4407.91	3900.14	-11.52
14	Punjab	6038.07	5605.90	-7.16	3550.35	3220.26	-9.30
15	Kerala	9834.25	10146.80	3.18	7073.59	2308.60	-67.36
16	Uttarakhand	2351.18	2279.78	-3.04	1781.84	1565.96	-12.12
17	Dadra & Nagar Haveli	2143.38	2177.41	1.59	1433.59	1532.94	6.93
18	Chattisgarh	1244.10	1278.69	2.78	849.27	1410.91	66.13
19	Goa	2063.64	2000.42	-3.06	1345.32	1400.48	4.10
20	Jharkhand	1252.79	1168.01	-6.77	770.47	1158.73	50.39
21	Himachal Pradesh	1323.43	1392.91	5.25	905.88	1049.15	15.82
22	Bihar	1640.91	1661.13	1.23	1093.01	824.20	-24.59
23	Daman & Diu	1053.39	1109.22	5.30	720.58	446.58	-38.03
24	Pondicherry	392.79	366.31	-6.74	242.84	266.18	9.61
25	Assam	369.90	436.72	18.06	289.31	255.53	-11.68
26	Jammu & Kashmir	196.43	188.18	-4.20	131.76	97.05	-26.34
27	Chandigarh	71.89	76.54	6.46	51.26	48.07	-6.22
28	Tripura	1.72	1.75	1.62	1.08	10.67	888.40
29	Sikkim	7.94	9.88	24.43	6.81	6.01	-11.73
30	Meghalaya	53.86	46.99	-12.75	30.48	3.37	-88.95
31	Nagaland	2.78	5.71	104.97	5.24	2.54	-51.60
32	Andaman & Nicobar	4.01	1.30	-67.63	0.81	1.26	55.49
33	Manipur	2.66	0.93	-64.87	0.69	0.39	-42.78
34	Mizoram	1.41	0.58	-59.12	0.11	0.32	
35	Arunachal Pradesh	2.31	1.55	-32.83	0.99	0.24	-75.59
36	Lakshadweep	0.41	2.56	524.47	2.47	0.13	-94.63
37	Unspecified	21290.81	18728.82	-12.03	15392.94	6301.15	-59.06
India's Export		330078.09	313361.04	-5.06	211166.93	174116.07	-17.55

Source: DGCI&S, Kolkata

India's Export Profile: State-wise Share

(value in US\$ Million)							
S.No.	States	2018-19	% Share	2019-20	% Share	2020-21 (Apr-Nov)	% Share
1	Gujarat	67412.15	20.42	63448.40	20.25	37851.50	21.74
2	Maharashtra	72809.28	22.06	64906.08	20.71	33926.64	19.49
3	Tamil Nadu	30525.91	9.25	30014.55	9.58	15092.29	8.67
4	Andhra Pradesh	14085.63	4.27	14787.75	4.72	10111.62	5.81
5	Uttar Pradesh	16289.17	4.93	16989.21	5.42	9732.91	5.59
6	Karnataka	17341.29	5.25	16639.45	5.31	9011.52	5.18
7	Haryana	13833.25	4.19	12056.14	3.85	6743.61	3.87
8	Odisha	6303.36	1.91	6655.69	2.12	6378.40	3.66
9	Unspecified	21290.81	6.45	18728.82	5.98	6301.15	3.62
10	Telangana	7168.26	2.17	7359.32	2.35	5563.40	3.20
11	West Bengal	10057.13	3.05	9490.84	3.03	5005.55	2.87
12	Delhi	9464.60	2.87	10370.15	3.31	4933.47	2.83
13	Madhya Pradesh	6382.37	1.93	5318.32	1.70	3954.30	2.27
14	Rajasthan	7061.61	2.14	6637.05	2.12	3900.14	2.24
15	Punjab	6038.07	1.83	5605.90	1.79	3220.26	1.85
16	Kerala	9834.25	2.98	10146.80	3.24	2308.60	1.33
17	Uttarakhand	2351.18	0.71	2279.78	0.73	1565.96	0.90
18	Dadra & Nagar Haveli	2143.38	0.65	2177.41	0.69	1532.94	0.88
19	Chattisgarh	1244.10	0.38	1278.69	0.41	1410.91	0.81
20	Goa	2063.64	0.63	2000.42	0.64	1400.48	0.80
21	Jharkhand	1252.79	0.38	1168.01	0.37	1158.73	0.67
22	Himachal Pradesh	1323.43	0.40	1392.91	0.44	1049.15	0.60
23	Bihar	1640.91	0.50	1661.13	0.53	824.20	0.47
24	Daman & Diu	1053.39	0.32	1109.22	0.35	446.58	0.26
25	Pondicherry	392.79	0.12	366.31	0.12	266.18	0.15
26	Assam	369.90	0.11	436.72	0.14	255.53	0.15
27	Jammu & Kashmir	196.43	0.06	188.18	0.06	97.05	0.06
28	Chandigarh	71.89	0.02	76.54	0.02	48.07	0.03
29	Tripura	1.72	0.00	1.75	0.00	10.67	0.01
30	Sikkim	7.94	0.00	9.88	0.00	6.01	0.00
31	Meghalaya	53.86	0.02	46.99	0.01	3.37	0.00
32	Nagaland	2.78	0.00	5.71	0.00	2.54	0.00
33	Andaman & Nicobar	4.01	0.00	1.30	0.00	1.26	0.00
34	Manipur	2.66	0.00	0.93	0.00	0.39	0.00
35	Mizoram	1.41	0.00	0.58	0.00	0.32	0.00
36	Arunachal Pradesh	2.31	0.00	1.55	0.00	0.24	0.00
37	Lakshadweep	0.41	0.00	2.56	0.00	0.13	0.00
India's Export		330078.09	100.00	313361.04	100.00	174116.07	100.00

Source: DGCI&S, Kolkata

India's Export Profile: State-wise Growth

(value in US\$ Million)							
S. No.	States	2018-19	2019-20	% Change	April-Nov 2019	April-Nov 2020	% Change in 2020 (Apr-Nov) over 2019 (Apr-Nov)
1	Gujarat	67412.15	63448.40	-5.88	40086.24	37851.50	-5.57
2	Maharashtra	72809.28	64906.08	-10.85	44609.71	33926.64	-23.95
3	Tamil Nadu	30525.91	30014.55	-1.68	20185.87	15092.29	-25.23
4	Andhra Pradesh	14085.63	14787.75	4.98	9390.80	10111.62	7.68
5	Uttar Pradesh	16289.17	16989.21	4.30	11386.62	9732.91	-14.52
6	Karnataka	17341.29	16639.45	-4.05	11546.79	9011.52	-21.96
7	Haryana	13833.25	12056.14	-12.85	7852.54	6743.61	-14.12
8	Odisha	6303.36	6655.69	5.59	4323.84	6378.40	47.52
9	Telangana	7168.26	7359.32	2.67	4854.43	5563.40	14.60
10	West Bengal	10057.13	9490.84	-5.63	6368.03	5005.55	-21.40
11	Delhi	9464.60	10370.15	9.57	6965.99	4933.47	-29.18
12	Madhya Pradesh	6382.37	5318.32	-16.67	3507.48	3954.30	12.74
13	Rajasthan	7061.61	6637.05	-6.01	4407.91	3900.14	-11.52
14	Punjab	6038.07	5605.90	-7.16	3550.35	3220.26	-9.30
15	Kerala	9834.25	10146.80	3.18	7073.59	2308.60	-67.36
16	Uttarakhand	2351.18	2279.78	-3.04	1781.84	1565.96	-12.12
17	Dadra & Nagar Haveli	2143.38	2177.41	1.59	1433.59	1532.94	6.93
18	Chattisgarh	1244.10	1278.69	2.78	849.27	1410.91	66.13
19	Goa	2063.64	2000.42	-3.06	1345.32	1400.48	4.10
20	Jharkhand	1252.79	1168.01	-6.77	770.47	1158.73	50.39
21	Himachal Pradesh	1323.43	1392.91	5.25	905.88	1049.15	15.82
22	Bihar	1640.91	1661.13	1.23	1093.01	824.20	-24.59
23	Daman & Diu	1053.39	1109.22	5.30	720.58	446.58	-38.03
24	Pondicherry	392.79	366.31	-6.74	242.84	266.18	9.61
25	Assam	369.90	436.72	18.06	289.31	255.53	-11.68
26	Jammu & Kashmir	196.43	188.18	-4.20	131.76	97.05	-26.34
27	Chandigarh	71.89	76.54	6.46	51.26	48.07	-6.22
28	Tripura	1.72	1.75	1.62	1.08	10.67	888.40
29	Sikkim	7.94	9.88	24.43	6.81	6.01	-11.73
30	Meghalaya	53.86	46.99	-12.75	30.48	3.37	-88.95
31	Nagaland	2.78	5.71	104.97	5.24	2.54	-51.60
32	Andaman & Nicobar	4.01	1.30	-67.63	0.81	1.26	55.49
33	Manipur	2.66	0.93	-64.87	0.69	0.39	-42.78
34	Mizoram	1.41	0.58	-59.12	0.11	0.32	
35	Arunachal Pradesh	2.31	1.55	-32.83	0.99	0.24	-75.59
36	Lakshadweep	0.41	2.56	524.47	2.47	0.13	-94.63
37	Unspecified	21290.81	18728.82	-12.03	15392.94	6301.15	-59.06
India's Export		330078.09	313361.04	-5.06	211166.93	174116.07	-17.55

Source: DGCI&S, Kolkata

GOLKONDA BRAND PRODUCTS

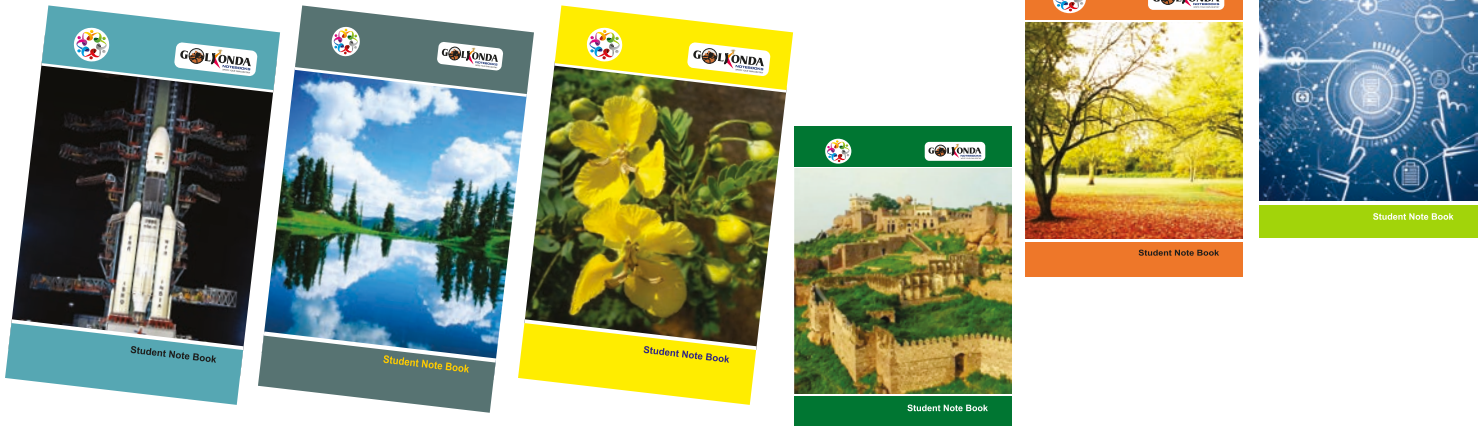
GOLKONDA NOTE BOOKS

WRITE YOUR OWN DESTINY

Students Favoured choice

QUALITY & QUANTITY GUARANTEED

- ✓ Affordable Price
- ✓ Accurate Size
- ✓ Whiter Pages



GOLKONDA COPIER PAPER

- ✓ High brightness and opacity
- ✓ Improved electrostatic properties
- ✓ Dimensional stability and stiffness
- ✓ Absolute copying freedom



Marketed by :



TSTPC

EXPLORING NEW TRADE FRONTIERS

TELANGANA STATE TRADE PROMOTION CORPORATION LIMITED

D.No. 5-10-174, Shakkar Bhavan, 2nd Floor, Fateh Maidan Road, Hyderabad-4

Phone: +91 40 23237591, Email: info@tstpc.org, web: www.tstpc.org