

Laying the Groundwork for a Developed, Sustainable and Inclusive Economy by 2047

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Government plans to
establish 100 more airports

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We welcome your feedback and suggestions. Do write to us at sharmila.kantha@cii.in

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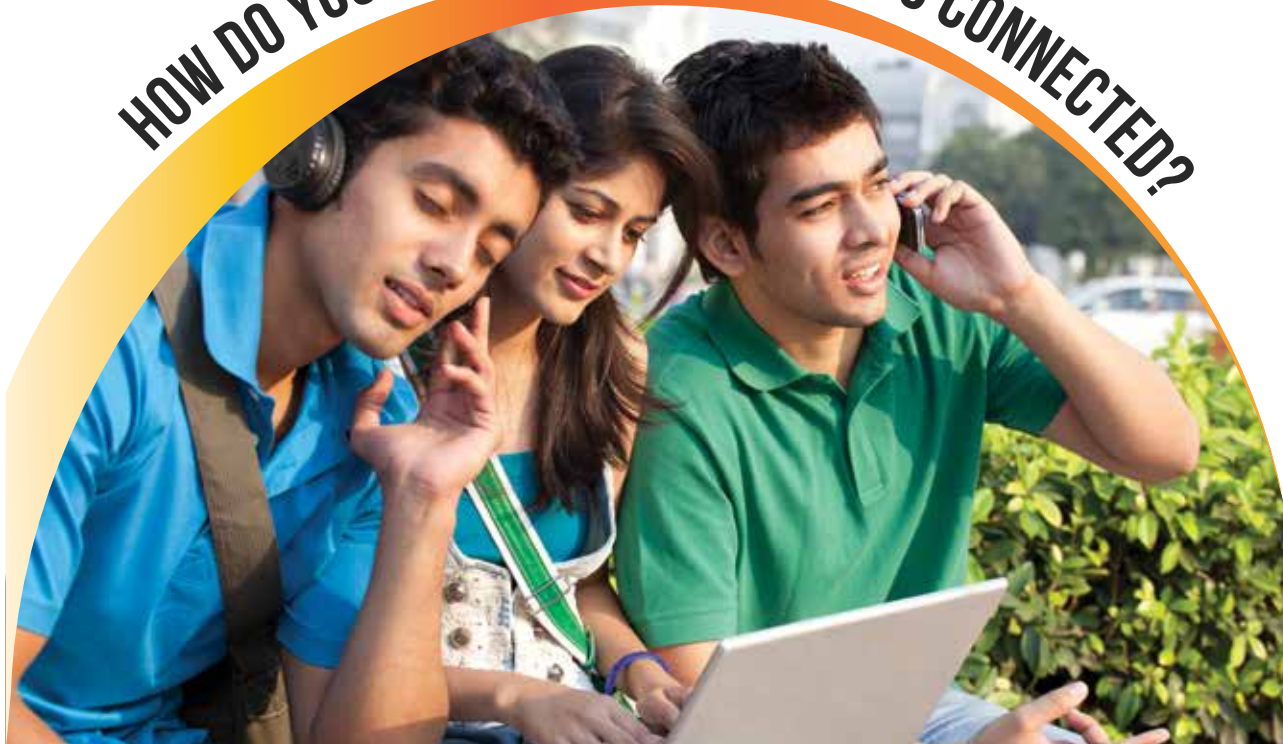
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Strategizing for the New India

The convention on Sankalp Se Siddhi is a set of constructive conversations between the Government and Industry on the way forward in areas key to the country's future. It intends to measure India's achievements and attempts to understand the gaps

To commemorate the 75th year of Independence, CII, India@75 Foundation and Ministry of Culture, jointly organised the 3rd edition of Sankalp Se Siddhi Conference on 4 August in Bengaluru under the aegis of Azadi Ka Amrit Mahotsav. The conference aimed to initiate a multistakeholder assessment of the country's sectoral and social achievements and to draw a roadmap for India@100, under the theme of 'towards an inclusively developed India@100'.

Shri Amit Shah, Minister of Home Affairs and Cooperation, said the development of India and the pace at which the country emerged from COVID-19 has surprised the whole world. Focusing on the pillars of economy, infrastructure, demography, demand and supply, the Government has been able to pull the country out of COVID-19, he added. The seed of Amrit Kaal for the next 25 years has been sown by the efforts of the Government in the last 8 years by means of a sound policy ecosystem, he shared.

The minister urged CII and the Industry to build scale and identify sectors that need focus to improve the manufacturing ecosystem to cut down on import bill.

Shri G Kishan Reddy, Minister of Culture, Tourism and Development of North Eastern region said that the Government has worked tirelessly to ensure a robust growth. He said that the Government is dedicated to the growth of the region and is demonstrating it by building road connectivity, air connectivity and digital connectivity. He urged the Industry to invest in the NE region and in Jammu and Kashmir. Shri Basavaraj Somappa Bommai, Chief Minister, Government of Karnataka apprise that Karnataka has been at the forefront of development with 400 world class R&D centres, a thriving start-up and IP ecosystem, 10 agro climatic zones, and several bio-diversity hotspots. The state aims to contribute USD 1 trillion to the PM's vision of creating a USD 5 trillion economy, he added.



From L to R: Rajan Navani, Chairman, CII India@75 Council and Vice Chairman, Jetline Group of Companies; Sanjiv Puri, Vice President, CII and Chairman & MD, ITC Ltd; Govind Mohan, Secretary, Ministry of Culture; Dr Sanjiv Goenka, Chairman, India@75 Foundation and Chairman, RP-Sanjiv Goenka Group; G Kishan Reddy, Minister of Culture, Tourism and Development of North Eastern Region; Amit Shah, Minister of Home Affairs and Cooperation; Basavaraj Somappa Bommai, Chief Minister, Government of Karnataka; Sanjiv Bajaj, Chairman and MD, Bajaj Finserv Ltd; Chandrajit Banerjee, Director General, CII; R Dinesh, President Designate, CII and Executive Vice Chairman, TVS Supply Chains Solutions Ltd and Vikram Kirloskar, Past President, CII and Vice Chairman, Toyota Kirloskar Motor Pvt Ltd at the Sankalp Se Siddhi Conference in Bengaluru

Mr Sanjiv Bajaj, President, CII and Chairman & MD, Bajaj Finserv Ltd said that amidst global geopolitical uncertainty and inflation, there lies opportunity for the Indian Industry. India can be one of the major sourcing partners for the world, he said. Mr Bajaj mentioned that for India to become a global economic power, the country needs to grow at 8-10% for the next 25 years. Mr R Dinesh, President Designate, CII and Executive Vice Chairman, TVS Supply Chains Solutions Ltd mentioned that the supply chain and logistics sector has immense potential and is well backed by the multi modal thought process. He also said that Gati Shakti is a forerunner for the whole world to follow. Mr Sanjiv Puri, Vice President, CII and Chairman, ITC Ltd said that the Industry is geared up to the Government's ambitious climate goals. He added that climate change is a serious concern and we need strategies for adapting.

Mr Vikram Kirloskar, Past President, CII and Vice Chairman, Toyota Kirloskar Motor Pvt Ltd mentioned that the Government's vision of creating an Aatmanirbhar Bharat has instilled confidence in the Industry and the efforts are directed to create a world class, competitive

Industry taking care of the parameters of quality, class and delivery. Dr Sanjiv Goenka, Past President, CII, Chairman, India@75 Foundation and Chairman, RP-Sanjiv Goenka Group said that CII through the India@75 Foundation and its initiatives like volunteering initiatives, functional literacy programmes, and National Volunteering Grid, has made efforts to give shape to the India@75 vision.

Mr Rajan Navani, Chairman, CII India@75 Council and Vice Chairman, Jetline Group of Companies mentioned that the India@75 vision is all inclusive and had taken into consideration the aspiration of people coming from all walks of life. The vision was developed on the parameters of economic, moral and technological leadership and the future calls for a robust framework to be developed for India@100, he shared. Mr Govind Mohan, Secretary, Ministry of Culture, stated that the Government would soon bring out a vision and roadmap for a sustainable and inclusive India in 2047. The conference, which saw 300 delegates, deliberated on the country's achievements in different areas of development and the way forward for a New India@100 in 2047. ■



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Resilient **Indian Economy** Sets Stage for Future

At the 75th year of its Independence, India stands on the cusp on dramatic social and economic transformation.

The current economic situation provides a springboard for the next few years of growth. There are enough indications that despite the headwinds, the economy is posting a better-than-expected performance. The cover story explores India's journey in key areas of growth and the Industry's expectations.



Roadmap for India Beyond 75

Sustained policy reforms are an imperative to help the country to leverage its extraordinary capability and emerge as a USD 40 trillion economy as India turns 100, observes Sanjiv Bajaj



This is a landmark year for India as it celebrates Azadi ka Amrit Mahotsav to commemorate the 75th year of Independence. It has been a truly momentous journey for the nation, with many achievements that we can be proud of. In particular, Indian Industry has distinguished itself by seizing the reins of growth and development and leading India's progress over the years. Since the economic reforms commenced in 1991, Indian Industry has crossed many milestones and is now regarded as a global force. We must not forget, however, that the challenges of development lie before us in large measure.

As we reflect on our many achievements over the last 75 years, this is indeed an opportune time to design a blueprint which would lay the foundation for India@100. India has a dream of moving from the emerging economy status to a developed country by 2047. And it is time to set the groundwork which would transform this vision into reality.

It is believed that, based on the strength of its strong fundamentals, India's long-term growth trend will remain robust, and the economy is envisioned to leap forward from USD 3 trillion at present to a resurgent USD 40 trillion by 2047, the 100th year of India's Independence.

There are seven major high potential sectors which would drive growth and support the aspirational target of USD 40 trillion. These have been identified based on their market attractiveness and the competitive advantages.

- **Automobile and auto components:**

The automotive industry is witnessing several megatrends such as focus on green energy, disruptive impact of technology, and changing mobility, among others that are expected to transform the industry. This sector can aspire to grow 10 times and be valued at USD 2 trillion by 2047 while the Indian auto components industry is targeted at USD 1 trillion.



- **Electronics:** Given the high import demand and digitization push post pandemic, electronics manufacturing has huge potential in India. The sector can aspire for a market size of USD 2 trillion by 2047.



- **Textiles and apparels:** India has the potential to displace China as the centre of the global textile and apparel value chain. The domestic textile & apparel industry could expand to USD 960 billion, with exports valued at USD 350 billion by 2047.



- **Defence manufacturing:** With a clear focus on defence modernization plans, focus on domestic value addition and availability of skilled manpower, India's defence sector can aspire to raise domestic production to USD 150 billion, including USD 30 billion in exports.



- **Capital goods:** With appropriate policies and interventions, the capital goods sector can reach a target of USD 1 trillion by FY48 and become a next exporter of capital goods.



- **Healthcare:** On the services front, healthcare and education would be the key enablers of overall economic expansion. By 2047, India must strive for quality healthcare being accessible to all, and also emerge as the healer to the world.

- **Education:** With the reforms initiated through the National Education Policy, we must look for 100% retention at senior secondary level, 50% enrolment in higher education and at least 50% skilled workforce by 2047.

There are 10 other services sectors, with significant potential, which could propel the economy further as we move towards India @100. These include logistics,

IT/ITES, telecom, e-commerce, mobility, aviation, media & entertainment, retail, tourism and services trade.

As technology advances, many more sectors would present themselves and Indian industry could emerge as a leader in driving the new industries. To achieve these high targets, India must institute an agenda that would be aligned with our future vision of high sustained growth. We have suggested ten key areas where Government and industry should work together, starting in the 75th year of Independence.

The first is that the Government - both Central and State Governments - should enhance expenditure on health and education and make these services accessible to all. This would drive inclusive growth and improve workforce productivity as well as maintain consumption demand by reducing out of pocket expenses. Better productivity would also improve the nation's investment attractiveness and economic resilience and generate good quality jobs.

Second, promoting scale and technology in manufacturing to boost enterprise level competitiveness is the need of the hour. Aligning trade and industrial policies can help achieve scale in domestic production. Incentives often come in the way of companies scaling up. Therefore, all size-based incentives may be designed with a sunset clause and necessary grandfathering clauses.

Third, with employment as a crucial target, employment linked incentives – ELIs – can be launched in select services which have high growth potential, can generate jobs and can earn foreign exchange. To start with, ELIs could cover four sectors namely tourism, logistics, retail and film, animation & gaming.

Fourth, alongside further improving the ease of doing business, Government intervention for reducing cost of doing business and decriminalizing business facing laws and de-clogging the judicial system are necessary to further strengthen the business and investment climate in India.

The reduction in costs can be achieved by initiating power sector reforms, bringing fuels under GST, expediting Gati Shakti and onboarding states, adopting digital approvals, and self-certification in EODB 2.0.

Fifth, financial sector reforms are crucial for financing growth. Measures such as enabling the NBFCs to offer full banking services, deepening the corporate bond market, and increasing insurance penetration, among others are important to finance the Indian economy's journey on a high growth path. The lending capacity of the National Bank for Financing Infrastructure and Development (NaBFID) also needs augmentation in



coming years for supporting both physical and soft infrastructure.

Six, Government's privatization and asset monetisation plans must stay on track. These will yield resources for capex and improve the overall productivity in the economy.

Seven, India should adopt a well-strategized and synchronized approach towards technology. This could be led an overarching empowered Technology Commission of India for coordinating, integrating, synergizing and managing all technology-related strategy, funding, policy, deployment, and public-private partnerships.

Eight, India should step up its engagement with the rest of the world and gain greater access to markets. India's export effort could be led by a National Trade Promotion Council at the Centre, supported by Councils at the states. These Councils should focus on developing strategies, framing policies, creating infrastructure and skill development.

Nine, to achieve its ambitious net zero goals, India should prepare sectoral roadmaps for Net Zero transition to allow industry to plan its investments and technology choices, better. This will be critical to Indian industry's alignment with the looming climate change mitigation imperatives.

Lastly, Government could look at forming GST like Councils for consensus building on reforms such as land, labour, power and agriculture. These are the difficult reforms of the future which require a strong push.

Sustained policy reforms are an imperative to help the country to leverage its extraordinary capability and emerge as a USD 40 trillion economy as India turns 100. Within a conducive environment, I have no doubt that Indian Industry will fulfill its responsibility and chart a bright future for the nation.

This article was contributed by Mr Sanjiv Bajaj, President, CII and Chairman & MD, Bajaj Finserv Ltd

Building Competitiveness of the Indian Industry

The Government's goal of becoming a USD 5 trillion economy by FY'26 looks closer than ever before with India's manufacturing capabilities now being recognized globally, highlights R Mukundan



As India celebrates and commemorates the 75th anniversary of Independence, it is time to look at the country's journey in terms of quality consciousness. Before Independence, and for a long time even after Independence, quality awareness in India was limited to physically checking export items for damage / decay. However, in the 1980s, there was a shift in this thought process and inspired by the best practices of foreign companies operating in India, there were an initiative to introduce quality concepts to Indian companies also.

CII is considered the pioneer of quality movement in India as it introduced quality perceptions to Indian companies for the time through the Total Quality Management (TQM) Division in the 1980s. The CII Institute of Quality (formerly TQM Division) launched various quality management practices and interventions in ISO 9000, Lean and Six Sigma, Total Productive Maintenance, Business Excellence models across sectors such as manufacturing, education, healthcare, food processing, etc. These practices have acted as a catalyst in creating a stronger and more resilient Indian Industry.

The focus on quality paid off in the 1990s when several Indian companies were awarded ISO 9000 certification for the first time. The quality movement became a nationwide campaign when CII and Maruti Udyog organized mentoring of two clusters of Maruti suppliers in quality management practices in 1997. By next year, CII had expanded the mentorship to 170-member JIPM-TPM club.

The Institute has become a reference point for quality benchmarks and awards. It engages regularly with national bodies such as Bureau of Indian Standards, Quality Council of India & EXIM Bank and collaborates with international bodies such as EFQM, JIPM, JUSE,

JPC, CQI, TIC, ASQ, etc for sharing and disseminating best practices in quality management. These practices are shared through various webinars, conferences and domestic & international missions.

CII recognizes outstanding organizations through the Six Sigma Award, TPM Best Kaizen Award, TPM Kaizen Championship Trophy and TPM Circle Competition Trophy. The CII-EXIM Bank Award for Business Excellence, launched in the 1990s, challenges the Indian Industry to attain international levels and benchmark themselves against the global best when evaluated against a very comprehensive, rigorous excellence criteria which is perceived by the global industry as the gold standard in business excellence.

The collaboration for TPM resulted in improving manufacturing excellence of several Indian companies. In fact, Indian companies have created a big impact in the JIPM International Awards process as close to 500 Indian companies have won the JIPM TPM Awards after stringent evaluation by Japanese Assessors. The world-renowned Deming Prize also goes to Indian companies very often (over 40%).

The Government's goal of becoming a USD 5 trillion economy by FY'26 looks closer than ever before with India's manufacturing capabilities now being recognized globally. Today, with supportive policies, and Government's focussed interventions in improving trade, India has the ability to increase its share in the Global Value Chains. However, it is important for Indian products to gain globally acceptable standards in terms of quality, cost and delivery. CII, along with the Indian Industry and the Government of India is committed to achieving this vision.

This article was contributed by Mr R Mukundan, Chairman, CII-Institute of Quality Advisory Council, Chairman, CII National Committee on Environment, Chairman, CII National Committee on Industrial Relations and MD & CEO, Tata Chemicals Ltd

Towards an Innovation-driven Economy

There is a need for collective and cohesive working of all the key stakeholders in the technology ecosystem including Industry, academia, R&D labs, and start-ups, referred to as the 'National Research Quad', notes Vipin Sondhi



As India celebrates the 75th year of Independence, I'd like to take this opportunity to highlight the key scientific and technological milestones that were attained in various areas through the combined forces of the Government, Industry, and educational institutes. Post Independence, India prioritized science research and technology in a structured manner through the Planning Commission's five-year plans. In fact, the first draft of the first five-year plan had suggested focussed interventions under 'scientific and industrial research'.

CII began its technology initiatives more than three decades ago under the chairmanship of late Dr A P J Abdul Kalam, focusing on stimulating Industry's investments in R&D and building Industry's technology depth. Over the years, CII has been working to strengthen India's innovation ecosystem by enabling technology and innovation driven enterprises.

To catch up with the pace of technology development, innovation, and research worldwide, one of the key goals for India is to set a national goal of investment of 4% of GDP in R&D by 2047, with an interim goal of at least 2.5% by 2030. In absolute terms, India's investment in R&D is USD 48 billion per annum, making it the seventh highest spender on R&D. However, a lot more needs to be done in terms of the translation of scientific research to commercialisation. India has been ranked 46th by the World Intellectual Property Organization (WIPO) in the Global Innovation Index (GII) 2021 rankings, which implies that the country must work more aggressively if it is to reach the top 20 by 2030.

CII is committed to fostering an ecosystem for leveraging technology to address societal challenges by encouraging Industry participation through various initiatives. Global Innovation & Technology Alliance (GITA), a not-for-profit joint venture company incorporated by CII and Technology Development Board of Department of Science and Technology (DST) has been one of such initiatives. CII also initiated the Technology Summit 25 years ago to build an ecosystem for global technology collaborations in partnership with DST and other countries.

CII has also set up Intellectual Property (IP) facilitation centres in different parts of the country to help SMEs protect their IP. These centres have facilitated filing and protection of over 400 patents, 1200 trademarks, 1700 industrial designs, 170 copyrights, and 35 geographical indications across the country. CII also instituted Industrial Innovation Framework and Awards in 2014 to identify and celebrate top innovative Indian enterprises across Industry.

Further, there is an immense need and an opportunity to expand diversity in education and employment. Therefore, the Technology Mission initiated by CII identifies encouraging women in STEM as one of the key goals. In fact, CII recently released a Compendium of Women in STEM: Vanguards of India@75 featuring success stories and achievements of 125 women luminaries, entrepreneurs, researchers, and others who have made a significant mark in the areas of science, technology, engineering and mathematics.

For all such initiatives, CII works in close collaboration with several scientific ministries such as DST, Department of Biotechnology, Council of Scientific and Industrial Research, Technology Development Board, Science and Engineering Research Board, Department of Scientific and Industrial Research and the Office of the Principal Scientific Adviser on various policy-related matters of mutual interest.

To take these initiatives forward, there is a need for collective and cohesive working of all the key stakeholders in the technology ecosystem including Industry, academia, R&D labs, and start-ups, referred to as the 'National Research Quad'. Support from the Government, especially financial, will be critical to the success of the Quad.

It is indeed heartening to note that our nation, our society, Industry, Government and CII has embarked on the mission to launch technology, innovation and research as a movement across nation and the globe with a purpose to make India as a technology leader driven by focus on innovation and research.

This article was contributed by Mr Vipin Sondhi, Chairman, CII National Committee on Future Mobility and Battery Storage and Chairman, CII National Committee on Technology, R&D and Innovation

India@100: Fostering Sustainable and Inclusive Growth



Sustainability development should be a part of the business purpose and cannot be a separate activity, says R Mukundan

As Independent India turns 75 this year, it is an imperative to foster sustainable and inclusive economic growth, protecting people and the planet. Collaboration between business, Government, and society can surely spur economic growth that benefits everyone without destroying the planet.

Extreme weather and climate change impacts across Asia in 2020 caused the loss of life of thousands of people, displaced millions of others, and cost hundreds of billions of dollars, while wreaking a heavy toll on infrastructure and ecosystems. Sustainable development is threatened, with food and water insecurity, health risks and environmental degradation on the rise, according to a multi-agency report coordinated by the World Meteorological Organization (WMO).

The Global Risk Report by the World Economic Forum earlier this year revealed that environmental risks are perceived to be among the five most critical long-term threats facing humanity and climate action failure, extreme weather, and biodiversity loss rank as the top three most severe risks in the long term.

The Government has accorded high priority to sustainable development and outlined ambitious targets for climate change. India is one of the few countries on track to meet nationally determined contributions. A concrete pathway has been manifested in the announcement of a set of five-point targets by Prime Minister Narendra Modi at COP26, in Glasgow last year. India is the second most populated country in the world with a sixth of the world's population and for the world to achieve the Sustainable Development Goals, India must play a key role in delivering the SDGs.

Businesses as the primary engines of economic growth and employment are well positioned to deliver on the promise of sustainable and socially inclusive economic development globally. In a dynamically changing global scenario, industries are facing multiple challenges with respect to disruptions in supply chains, increasing regulations, need for improving operational efficiencies, consumer activism, nature risks, social risks as well as meeting climate targets.

To successfully overcome these risks and prepare for the challenges, business enterprises must focus their whole attention on establishing resilience and agility. For this,

sustainability must be placed at the heart of every business decision, embedded in business models and sustainable development should be a part of the business purpose and cannot be a separate activity. It must be rooted in the value and a part of the core strategy. The business community is recognizing that business-as-usual will not work and they are looking to a better way of operating which will ensure that the health of the people and the planet is actually aligned. This will be possible through collaboration between all stakeholders - the private and public sectors, with support from NGOs, communities, and the Government, leveraging technologies while also adapting to the changes brought about by disruptions.

CII as the premier Industry Association, is deeply engaged in the area of sustainability and through its Centres of Excellence, contributes to nation building in the areas of water management and conservation, promoting energy efficiency, environment conservation and forest protection, climate change mitigation & adaptation and reducing emissions through green practices.

The way forward now, beyond India @75, towards India @100 for Industry, is largely through the parameters of technology and innovation and we must collaborate for solutions beyond boundaries that are not just limited to individual organizations. We need to think from the lens of a marathon runner and not from the perspective of a sprint. The focus should be on shared values of protecting the planet and that includes a critical role for the industry. As large economic organs of society, businesses have the entrepreneurial and managerial capacity as well as the resources for R&D and innovation in terms of ensuring that green jobs and livelihoods are promoted and work towards nature-based solutions; encourage adoption of circular economy principles, and make sure that investments are scaled up in green energy. Enterprises that place sustainability at the heart of operational decisions will ultimately be better placed to harness emerging market opportunities, manage risks, and consolidate an enduring license to operate.

This article was contributed by Mr R Mukundan, Chairman, CII-Institute of Quality Advisory Council, Chairman, CII National Committee on Environment, Chairman, CII National Committee on Industrial Relations and MD & CEO, Tata Chemicals Ltd

Internationalisation and India: Moving Towards India@100

FTA facilitation centres, standards and certification facilities, export promotion offices overseas, and export training centres across the country are recommended to support the internationalisation effort, observes Vir Advani



Indian Industry's internationalisation journey since Independence has traversed several peaks and troughs. As a new nation took shape, the years after 1947 necessitated import and export controls and strict conservation of foreign exchange. While joint ventures with foreign companies for technology transfer were set up in the country, Indian companies also ventured overseas in limited numbers over the decades. The economic reforms since 1991 dismantled the tariff barriers gradually and, as overseas companies entered the economy, the number of Indian companies engaging overseas also went up.

It was 2003-04 when India's goods exports crossed the milestone of USD 50 billion and software services exports started gaining traction. Since then, we have reached a peak of USD 422 billion for goods exports and USD 254 billion in services exports in FY22, which has buoyed our confidence on internationalisation. FDI inflows of USD 83.6 billion also stood at a high.

As we celebrate 75 years of freedom, India finds itself in a world of geopolitical flux and challenges of climate change and technological advance. The ongoing shift in the global economic centre of gravity towards the East presents unique opportunities for India to position itself as a global leader with a long-term vision towards 2047, India's centenary of Independence.

Setting its sights on these new horizons, Indian Industry must engage outwards forcefully. It must strategize to position itself into global value chains, which account for over 70% of global trade. This will entail constant effort towards building competitiveness and scaling up technology adoption, particularly for smaller enterprises. Services exports are a huge area of opportunity for an Indian workforce that is embracing digitalisation and is aligning to global skill requirements.

India's push for FTAs, including both goods and services, is a welcome move that will create long term partnerships. FTAs with UAE and Mauritius are already being implemented and a beginning has been made with Australia. India is negotiating FTAs with several other countries and regions

such as the UK, the EU, and Canada which are expected to be concluded over a couple of years. All these will set a new foundation for internationalisation of Indian Industry.

CII has set a target of USD 1 trillion in merchandise exports and USD 1 trillion of services exports by 2030 and has outlined a policy framework to achieve this. The strategy would be to build domestic competitiveness through a range of measures on the one hand, while working with different countries and regions to open market access and facilitate Indian business engagement.

An overarching National Export Promotion Council is suggested which will work with concerned ministries and state governments towards building export competitiveness. FTA facilitation centres, standards and certification facilities, export promotion offices overseas, and export training centres across the country are recommended to support the internationalisation effort.

As per a visioning exercise by CII for 2047, export targets have been outlined for various sectors. For example, we can look at annual exports of USD 360 billion for the automobile sector, US\$ 300 billion for the auto component sector, and textiles at USD 350 billion.

Over the years, CII has built strong and vital partnerships with governments, industry, academia and other stakeholders across the world. Its outward and inward business delegations enable new ventures and the digital route for engaging overseas would catalyze new interactions. CII holds a number of trade exhibitions with overseas participation and also organizes India's participation in such shows in other countries. The various business leaders' forums with different countries facilitate direct engagement.

Over the next 25 years, CII's international activities will only expand and intensify, helping industry to become a vital player in global trade and investment. As we celebrate India@75 and our achievements as a nation, this is a moment for all stakeholders to aspire to a new trajectory of internationalisation in the journey towards India@100.

This article was contributed by Mr Vir Advani, Chairman, CII International & Trade Policy Council and Vice Chairman & MD, Blue Star Ltd

Transitioning from India@75 to India@100

The visioning exercise for India@100 has identified 14 focus areas that capture the aspirations of people, especially youth, empowered with technology and with a high achievers' spirit, highlights Rajan Navani



On 23 September 2007, as India was celebrating 60 years of Independence, Professor C K Prahalad, a leading management specialist of his times, shared a vision for India@75 and presented a future-facing development blueprint for the country. Realizing the importance of developing such a vision for India's inclusive growth, CII stepped in to help catalyse its realization. A pan-India visioning exercise was undertaken through a consultative process that involved over 5,000 people from all walks of life to build a consensus on the India@75 vision and map it to people's aspirations.

This granular exercise resulted in the creation of 17 State vision documents and 23 City Development Plans, which collectively evolved as a vision document for 'India@75 - The People's Agenda'.

The comprehensive document included a roadmap for achieving its objectives by 2022.

In many ways it was an audacious vision, as it was the first ever 15-year plan that aimed for 'exponential growth as opposed to incremental growth'. Importantly, it called for innovative and disruptive approaches to break away from the status quo of simply emulating the 'Best Practices' and move to 'Next Practices' with the guiding factor and ethos of collaboration by all stakeholders for sustainable growth. At the crux of the blueprint was Industry leadership that had played an important role in India's growth story post liberalization.

CII took the vision to different stakeholder groups and advocated for its collective ownership. Several goalposts in the vision found traction with the Government over the subsequent years. Most noticeably, skilling was taken up by the Government on priority in 2008. The result was setting up of the National Skill Development Council and Corporation, with support from CII. The India@75 vision was widely accepted and inspired many Government schemes including PM Kaushal Vikas Yojana, Smart Cities and Ayushman Bharat Pradhan Mantri Jan Arogya Yojana.

The India@75 campaign led to many collaborations and partnerships with Industry at the forefront. CII internalized the vision and set up an institutional mechanism – the India@75 Foundation, to work deeply on the subject and deliver the vision objectives.

For CII, a notable outcome has been setting up of the CII Centres of Excellence (CoEs) which accelerated over the last decade. Today, CII has 10 Centres of Excellence that support businesses in areas ranging from quality management and energy efficiency to water management, logistics and agriculture.

Volunteering and pro-bono engagement of corporates and professionals in social issues have been some of the thrust areas of the India@75 movement. Enthused with the experiential learnings of drawing the vision and implementation roadmap for India@75, the India@75 Foundation and CII collaborated with the Ministry of Culture to evolve the vision for India@100. The visioning exercise for India@100 has identified 14 focus areas that capture the aspirations of people, especially youth, empowered with technology and with a high achievers' spirit. It has been proposed that the 25-year vision will have milestones every 5 years for revalidation and mid-course correction for alignment with evolving national priorities.

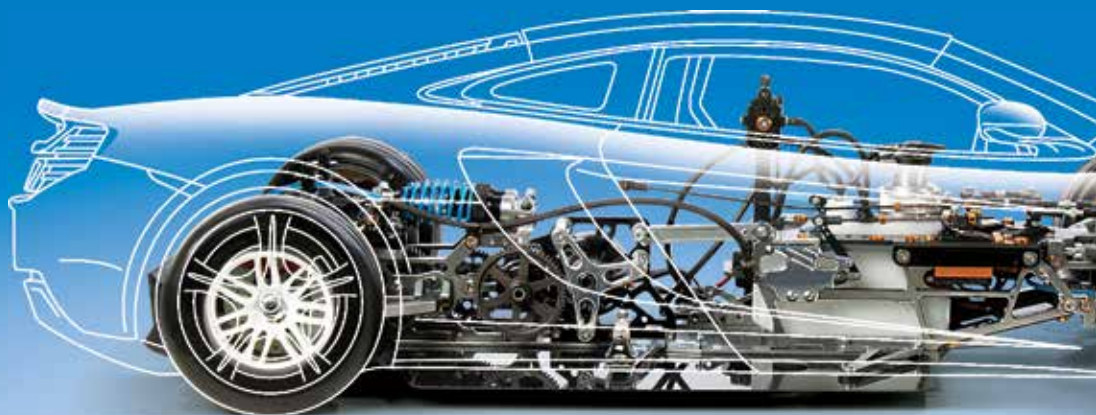
CII is also organizing pan India conferences – the Sankalp Se Siddhi – series of conferences to converge the leaders from the Government, Industry, and other relevant stakeholders to come together and share the important features that should feature in the Vision Document for India@100.

The India@100 vision will aspire for a sustainable Morally, Economically and Technologically Advanced (META) India by 2047. As we work with the Government and other stakeholders for India@100, CII would further intensify the role of the Industry for national development and inclusive growth.

This article was contributed by Mr Rajan Navani, Chairman, CII India@75 Council and Vice Chairman, Jetline Group of Companies

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Dr S Jaishankar, Minister of External Affairs and V Muraleedharan, Minister of State for External Affairs and Parliamentary Affairs, along with senior leaders and ministers from Africa and India at the CII Exim Bank Conclave on India Africa Growth Partnership in New Delhi

Co-creating a Template of Shared Growth and Conjoined Prosperity

The narratives of a rising India and resilient Africa, along with a convergence of interests and values, are intersecting, opening new avenues for deepening this mutually empowering partnership

CII in partnership with Ministry of External Affairs and Ministry of Commerce & Industry, Government of India organised the 17th edition of the CII-Exim Bank Conclave on India-Africa Growth partnership from 19-20 July in New Delhi. The conclave witnessed participation of H E Mr Marie Cyril Eddy Boissézon, GOSK, Vice-President of Republic of Mauritius; H E Dr James Wani Igga, Vice-President of Republic of South Sudan; H E Mr Badara A Joof, Vice-President of Republic of The Gambia; H E Ms W K Mutale Nalumango, Vice-President of Republic of Zambia and H E Ms Netumbo Nandi-Ndaitwah, Deputy Prime Minister of Republic of Namibia. Additionally, 31 ministers and Government officials from 20 African countries addressed the conclave.

The session saw the presence of Dr S Jaishankar, Minister of External Affairs; Shri Piyush Goyal, Minister of Commerce & Industry, Consumer Affairs, Food & Public Distribution and Textiles, and Shri V Muraleedharan,

Minister of State for External Affairs and Parliamentary Affairs. Over 1300 delegates from Indian Industry and representatives from almost 41 countries from Africa attended the 2-day proceedings.

The conclave saw discussions on a diverse range of sectors pivotal to India-Africa collaboration. More than 100 speakers from India, Africa and other parts of the globe addressed the delegates on topics such as finance, higher education and skill development, agriculture and food processing, consultancy, start-ups, defence, trilateral partnerships, infrastructure, IT/ITES, healthcare & pharmaceuticals and power & energy, among others. Country focused sessions on The Gambia, Namibia, Zambia, Mauritius and Gabon were also organized. Aspects of AFCFTA were also discussed as it has the potential to harmonise standards and accelerate trade and investments between the regions.

Dr S Jaishankar said that Africa plays a particularly important role in India's foreign policy outlook. This is



reflected in our expanding diplomatic footprint that covers 43 African countries today, he shared. Shri Piyush Goyal, emphasised that we need to take India-Africa trade and investment to new levels, focus on digital revolution, extend this participation to higher levels of education and ensure basic healthcare for people of Africa, digital literacy for people of Africa. Shri V Muraleedharan called upon Indian businessmen to expand their investment in Africa and deepen partnership in diverse sectors. India provided 39.6 million Made-in-India doses of vaccines to 42 African countries; we should explore joint manufacturing of vaccines, he suggested.

H E Mr Marie Cyril Eddy Boissézon noted that the recently concluded Comprehensive Economic Cooperation and Partnership Agreement (CECPA) between India and Mauritius, has helped to achieve

exponential trade levels between the two countries. H E Mr Badara A Joof highlighted reforms undertaken by his country to boost investor confidence and invited the Indian business community to ramp up their investments in the region. H E Ms W K Mutale Nalumango stressed the need to focus on climate change effects in the future agenda and partnerships between India and Zambia.

H E Ms Netumbo Nandi-Ndaitwah sought enhanced support and investment from India in the field of health infrastructure, capacity building and training of qualified medical personnel. South Sudan has significant amount of arable land and highlighting this, H E Dr James Wani Igga called upon the Indian companies to invest in the agriculture sector.

The CII Centre for International Policy Research released a report titled 'India – Africa: Leveraging new dimensions in Economic Engagement', detailing the economic partnership opportunities for India and Africa. India Exim Bank also released a publication 'Building a resilient Africa: Enhanced Role of India'.

Three MOUs were also inked during the conclave, namely India Exim Bank with Afreximbank, towards a Master Risk Participation Agreement; NTPC, India with MASEN, Morocco to promote cooperation in renewable energy and Invest Gabon ANPI with AOM Group to promote investment in Gabon.

The exposition at the conclave, comprising 54 exhibitors, provided opportunities for Indian and International companies to showcase their strengths and potential to partner with African countries. 11 African missions also showcased the opportunities that exist for trade, investment and business in their countries. 185 project opportunities from 31 African countries were presented for discussion and more than 250 B2B meetings concluded at the conclave.



Release of the CII India Africa Report at the 17th CII Exim Bank Conclave on India Africa Growth Partnership in New Delhi.

From L to R: Chandrajit Banerjee, Director General, CII; Hon Mr Melaku Alebel Addis, Minister of Industry, Federal Democratic Republic of Ethiopia; Hon Mr Richard Adeniyi Adebayo, Minister of Industry, Trade and Investment, Federal Republic of Nigeria; Piyush Goyal, Minister of Commerce & Industry, Consumer Affairs, Food & Public Distribution and Textiles; Sanjiv Bajaj, President, CII and Chairman & MD, Bajaj Finserv Ltd; Hon Mr Mark Katsonga Phiri, M P, Minister of Trade and Industry, Republic of Malawi; Hon Mr Hugues Judicael Mbadinga Madiya, Minister of Promotion of Investments, Republic of Gabon and Hon Mr Alkache Alhada, Minister of Commerce, Republic of Niger at the CII Exim Bank Conclave on India Africa Growth Partnership in New Delhi



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Despite Pressures, the Indian Rupee's Remarkable Resilience

Even as the Indian rupee has fallen sharply against the U.S. dollar, rupee's depreciation has been relatively lower unlike previous times, says Chandrajit Banerjee



The Indian rupee has depreciated by around 7% against the U.S. dollar, since the start of the year, in response to various domestic and global factors. Specifically, a widening current account deficit; persistent risk-off sentiment as a result of geopolitical tensions; a strengthening dollar index, and continuous sell-off by foreign portfolio investors have all put pressure on the rupee.

Safe-haven Demand

It must be noted that the dollar has strengthened against all currencies, developed or emerging. The runaway inflation levels since last year, which have seen Consumer Price Index (CPI) inflation in the United States reaching a multi-decade high of 9.1% in June 2022, have prompted the reversal in the monetary policy stance of the US Federal Reserve. With inflation rising unabated, the Fed is widely expected to continue raising interest rates. Unsurprisingly, the rate hiking cycle by the US Federal Reserve has precipitated the dollar's appreciation which has led the dollar index to strengthen by over 11% in 2022 so far, taking it to a 20-year high.

As a result of higher risk-free returns being available

in the U.S., there have been persistent outflows of foreign portfolio capital since October 2021, which, on a cumulative basis, stands at USD 30 billion this year. This has intensified the downward pressure on the rupee. The safe-haven demand for the dollar amid geopolitical risks has bolstered the dollar index.

The Reserve Bank of India (RBI) has stepped in to arrest a large depreciation in the currency, with interventions in the spot and forward foreign exchange markets. Consequently, India's foreign exchange reserves have moderated by almost USD 55 billion from a high of USD 635 billion seen this year. Elevated global crude oil prices have impinged on India's oil import bill, in turn widening the trade deficit, thus increasing the demand for U.S. dollars, and affecting forex reserves further.

Notably, even as the rupee has fallen sharply against the dollar, the depreciation has been relatively lower compared with past crises such as the global financial crisis of 2008 (the rupee had weakened by over 20% between December 2007-June 2009) and the Taper Tantrum of 2013 (for seven months from the start of the crisis in May 2013, the rupee had depreciated by over 11%). Much of this is attributed to the lowering of India's external vulnerability measured in terms



of a relatively high import cover and low short-term external debt. During the Taper Tantrum, India's import cover stood at over seven months as compared to around 12 months in the current period.

Effects of a Weak Rupee

The implications of a weak rupee on the economy are multi-fold. Among the benefits is the premise that the rupee's weakening should aid exporters in becoming more competitive. However, the concomitant depreciation of currencies of some of India's competitors such as South Korea, Malaysia and Bangladesh against the dollar, along with a high import intensity of some of its key export segments (petroleum, gems and jewellery and electronics), is likely to have blunted the ameliorative impact on India's exports. Slower global demand is expected to affect outbound shipments as well.

On the flip side, a weaker rupee is driving up prices of key import commodities such as coal, oil, edible oil, gold, thus impacting the imported component of inflation. The unhedged component of corporate debt denominated in dollars is also likely to bear the brunt of a weaker rupee.

Most importantly, a continuously sliding exchange rate discourages foreign investors from making fresh investments, which keep losing value in dollar terms. For this reason, it is ideal to provide confidence to investors by arresting a continuous slide in the exchange rate. Of course, any target should be avoided, as global forces remain fluid and market forces should be allowed to play.

The RBI's Measures

Apart from intervening in the forex market to arrest the fall in the rupee's value, the RBI announced a slew of measures recently to liberalise foreign inflows into the country and make them more attractive.

Measures such as promoting trade settlements between India and other countries



in rupee terms, offering higher interest rates on fresh Foreign Currency Non-Resident (Bank) and Non-Resident External deposits, a widening of investible universe of government and corporate debt, a relaxation of the interest rate and amount ceiling for External Commercial Borrowing loans, among others, have contributed to

arresting the rupee's slide against the greenback.

Some other measures could be considered if the slide in the currency continues unabated. The Government could encourage some of the large market cap companies (private and public sectors) to be included in the major global indices such as MSCI and FTSE. This will help increase the weight of Indian equities in these indices, compensating for foreign portfolio outflows to some extent as investors are unlikely to be underweight on India.

The Government could also expedite India's entry into bond indices such as J.P. Morgan's Emerging-Market Bond Index and Barclays Global Bond Index. This will not only lead to forex inflows but also have a benign impact on interest rates. Such measures will keep the forex war chest of the RBI at a comfortable level, providing the central bank the requisite ammunition in case there is further weakness. Of course, any excessive capital inflow leading to an appreciation of the currency should also be avoided.

Overall, even as the rupee is expected to remain under pressure in the near term because of global uncertainty, high commodity prices and rising U.S. interest rates, mitigating measures have to be taken to partly arrest

the slide. The maintenance of the U.S.-India interest rate differential along with timely forex market interventions by the central bank to manage volatility will prove to be salutary in preserving the rupee value against the greenback. ■



This article has been written by Mr Chandrajit Banerjee, Director General, CII. It was first appeared in the Hindu on 23 July 2022.

Bringing Equal Representation in STEM Workforce

The CII compendium titled *Women in STEM: Vanguard of India@75* aims to inspire the younger generation of women scientists to contribute towards the sustainable and inclusive growth of the country

Even as India celebrates the 75th anniversary of Independence and creates a roadmap for achieving new milestone by 2047, diversity and inclusivity remain two critical areas where much needs to be done. India has 43% women Science, Technology, Engineering and Mathematics (STEM) graduates, but only 14% are recruited in the workforce.

Towards this cause, CII pledges to launch 'Women in STEM' as a movement across the nation and the globe, as one of the key goals of the CII National Mission on Technology, Innovation and Research. This compendium, *Women in STEM: Vanguard of India@75*, is a symbolic representation of CII's vision for gender equality.

Women in STEM is one of the key goals of the CII National Mission on Technology, Innovation and Research. CII aims to enhance gender equality in STEM workforce to a minimum of 50% by 2047, with an interim milestone of 35% by 2030. Taking forward the agenda of encouraging women participation in STEM, CII, through the compendium highlights the role of women in STEM through case studies. The compendium features 125 successful women including educators, tech leaders, researchers, administrators and policymakers, business innovation strategists and innovation entrepreneurs. It has included representation from diverse disciplines such as physics, chemistry, biology, earth sciences, interdisciplinary

sciences, mathematics, engineering, information technology, medicine, amongst others.

The compendium has four sections. The first section features some women administrators and policymakers in the higher echelons of decision-making, policy and implementation. The second section features women in academia and research institutions. The third section covers women from industry at various levels, from leadership to mid-career accolades. The fourth section features innovation entrepreneurs. The success stories that have emerged as role models have broken the myths that certain careers are not meant for women.

The understanding and reflections that have emerged out of this compendium have highlighted a few important action points needed to achieve gender balance and equality in STEM, such as creating a strong mentoring ecosystem for young girls in school and young women researchers in academia and industry; ensuring childcare facilities, flexible working hours and pay parity for making workspaces more enabling; and age relaxation in hiring and consideration for awards and recognition.



Click here to download the compendium.

<https://www.cii.in/PublicationDetail.aspx?enc=pZdwJdqxr1bH8xi+SqpTKtJqZlt2kywud2jepbmGD2M=>

Sectorscape



Renewable Energy

Deliberations on Opportunities in the Global Renewable Energy Market

CII organized the third edition of the Aatmanirbhar Conference on India @ 2030: A Roadmap for Aatmanirbhar in RE Manufacturing on 14 July in New Delhi. Mr Indu Shekhar Chaturvedi, Secretary, Ministry of New and Renewable Energy (MNRE), announced that in principle the Government has decided to end e-reverse auction arrangement, a long-standing demand of the industry. He also highlighted that the Hydrogen Mission is expected to be launched in the next few months, and off-shore wind tenders are in offing over the next few months. He stressed upon the need for institutional streamlining of fragmented elements in the RE ecosystem, a task which has already been started.

The conference witnessed the participation of key players in the sector such as Dr Ajay Mathur, Director General, International Solar Alliance; Mr Tulsi Tanti, Chairman, CII Renewable Energy Council and Chairman & MD, Suzlon Group; Dr Praveer Sinha, Co-Chair, CII Power Committee and CEO & MD, Tata Power; Mr Rajiv Ranjan Mishra, Co-Chair, CII Power Committee and MD, Apraava Renewable Energy Ltd, among others.

The delegates shared that they were optimistic about India taking centre-stage in the global RE story over the next quarter century, and eventually turning a net-exporter of RE to the world, remote-servicing assets in the RE sectors, globally.

PERSPECTIVES

The growth of renewable energy (RE) sector is inextricably linked to the country achieving Net-Zero goal by 2070, and thus has been identified as a strategic sector for self-reliance. Self-reliance here means not only in terms of energy generation but also in equipment to generate RE.



Indu Shekhar Chaturvedi, Secretary, Ministry of New and Renewable Energy (MNRE)

Fuel for future is green hydrogen, but the journey of green hydrogen needs to go through blue hydrogen. Renewable along with nuclear is one of the most suitable pathways as far as green hydrogen is concerned.



Dr V K Saraswat,
Member, NITI Aayog

Many island nations are using imported diesel and they have not yet decided their energy transition path. There is scope to build capacity and do projects in those countries.



Dr Ajay Mathur, Director General,
International Solar Alliance



Sustainable Farming

Encouraging Adoption of Climate Smart Agriculture Practices

Agriculture, both contributes to and is affected by climate change. The increasing temperatures are resulting in reduction of yields in key crops like wheat, rice, maize, and soybean, while encouraging weed and pest proliferation. Further, changes in rainfall patterns are increasing the likelihood of short-run crop failures and long-run production declines. With the Intergovernmental Panel on Climate Change (IPCC) forecasting a temperature rise of 2.5 to 10 degrees Fahrenheit over the next century, the challenge is severe.

The overall impact of climate change on agriculture is expected to be negative, threatening global food security. To meet the demand of a growing population (approximately 9+ billion by 2050), the global food production must increase by 60% to 70% in the next three decades. This is a great challenge, not only because of the volume of food that must be produced, but because agricultural conditions and resources will not remain constant or predictable in the years to come.

Like the emerging global scenario, agriculture sector in India is also increasingly vulnerable to climate change. Climate change is showing negative effects on irrigated

crop yields across agro-ecological regions both due to temperature rise and changes in water availability. The challenge is huge for India as the productivity in key crops in India is already below global averages, further the pressure on water resources is high, given the water intensive cropping pattern being followed in northern states that also form the food bowl of the country.

To respond to this situation, a Roundtable on Climate Smart Agriculture was organized by CII Food and Agriculture Centre of Excellence (FACE) on 13 July. The roundtable covered 3 key issues (soil, water and agriculture) that are impacting agriculture sustainability. It attempted to analyze related initiatives and policies, explore technology solutions available, and recommend actionable roadmap for overcoming these challenges.

The discussion highlighted the need for Government and Industry to work under a collaborative model to identify and address challenges and enable large scale adoption of ongoing interventions around climate smart agriculture practices. It was also highlighted that climate smart agriculture needs to be an inclusive approach, and animal husbandry, forest, fisheries, etc should be included in these practices.

Panellists suggested that integrated region-specific solutions, bundled CSA technologies linked to climate risk finance and incentives to farmers will help scale adoption of climate smart agri practices. The need for research-based solutions and training and capacity building for long term benefits were clearly articulated.

It was also highlighted that getting the markets right would be critical to differentiate between the sustainably grown produce and conventional products, so farmers are incentivized towards adoption of climate smart agriculture. Panellists suggested that the interventions can be more collaborative and can also develop a measurement matrix to access impact of the various interventions.

Going forward, the Core Group on Sustainability under FACE will work closely with different stakeholders under a collaborative approach to action on the key takeaways.

PERSPECTIVES

Ministry of Agriculture and Farmers' Welfare is committed to promoting climate smart agriculture and has taken several initiatives, the flagship one being National Mission on Sustainable Agriculture.



Dr Dhura Ram, Additional Commissioner (NRM),
Ministry of Agriculture and Farmers' Welfare

The need is to focus on an outcome-based approach for scaling up of existing sustainability initiatives. The 4Ps framework for driving agriculture sustainability will include Purpose, Policy, Partnership and Profitability.



D Narain, Chairman, CII Core Group on Sustainability
and President, South Asia, and Global Head,
Smallholder Farming, Bayer

Government policies should be framed in a way to accelerate adoption of climate smart agriculture and should be aligned in a systematic approach considering nutrition requirement, livelihood and income to the farmers and the stakeholders involved.



Ajay Vir Jakhar, Chairman,
Bharat Krishak Samaj

Farmers are keen but there are limiting factors on the market side that prevent adoption of these practices. The market side needs to be prepared to incentivize farmers adopting climate smart technology.



Puneet Thind, Director,
Northern Farmers Mega FPO

It is important to look at integrated region-specific solutions, bundled CSA technologies linked to climate risk finance and incentives for scaling up climate smart agriculture.



Dr Pramod Aggarwal,
Asia Program Leader, CGIAR Research Program on
Climate Change, Agriculture and Food Security (CCAFS)

Sustainable intensification is one way of meeting the growing food requirements while minimizing impact of agriculture on environment and improving the resource and input use efficiencies.



Dr Virender Kumar, Research Leader - Climate-
adaptive Agronomy and Mechanization, International
Rice Research Institute (IRRI)



Release of One Health Brochure and One Health Capacity Building Plan



Food Safety

Focussing on One Health Communication Channels

The threat of infectious diseases, particularly those emerging at the human-animal-environment interface, has caught health systems off guard globally. The recent outbreaks of many zoonotic diseases like CCHF (2011 onwards), Ebola (2014), Zika (2015), Dengue (2016), Plague (2017), Nipah (2018, 2021), COVID-19 (2019) and the latest Monkey Pox (2022) has jeopardized not only human health, but also to a large extent, social and economic well-being. Mitigation of such disease episodes points out towards urgent need of cross-sectoral engagement of various stakeholder agencies concerning animal, human and environment which is referred to as the 'One Health' approach. The Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, initiated the One Health programme in 2020.

The One Health pilot in Karnataka was launched on 28 June in Bengaluru and in Uttarakhand on 6 April. CII is the implementing partner and the programme aims to institutionalize the One Health communication channel among animal, human & wildlife departments; support laboratory capacity strengthening and laboratory networking; improve disease diagnosis and surveillance; digitize data collection & develop sharing mechanisms; train various stakeholders and manage biosecurity, animal biowaste management and engage the community members in the implementation of the programme. More than 250 participants attended the pilot launch in person and 209 participants joined through the online mode. The launch was live streamed on youtube and received 1243 views.

PERSPECTIVES

The project aims to support the development of a targeted surveillance plan and integrate data with the digital architecture of the National Digital Livestock Mission (NDLM). The pilot in Karnataka will form the basis for development of the One Health Framework for India.

Atul Chaturvedi, Secretary, Department of Animal Husbandry & Dairying, Ministry of Fisheries, Animal Husbandry and Dairying

With the launch of the One Health Framework pilot in Karnataka, we look forward to integrating human, environmental, and animal health. Six interventions planned for the pilot will result in better coordination amongst different relevant sectors and capacity building of different teams.

Dr Praveen Malik,
Animal Husbandry Commissioner

It feels excellent to launch the pilot in the state of Karnataka and we extend our full support to Department of Animal Husbandry and Dairying for the implementation of the National One Health Framework for India.

Alkesh Wadhvani, Director,
Poverty Alleviation, BMGF

This pilot will go a long way in helping us improve facilities and infrastructure in our state. I urge all stakeholders to participate in the implementation of One Health and create an efficient disease reporting and response mechanism.

Salma K Fahim, Secretary, Department of Animal Husbandry and Fisheries, Government of Karnataka

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VISITOR PROFILE

- ▶ RDSO – Head of Divisions and all technical staff.
- ▶ Head of Divisions and Technical personnel from all Indian Railways units and PSUs.
- ▶ Personnel from Design and Academic Institutions with interest in Railways.
- ▶ Investors & Funding Agencies.
- ▶ Senior officials from Railway Board.
- ▶ Officers from relevant Government (Central & State) Ministries / Organisations / Departments.
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For more details, please contact: **Rajesh Wadhwa** | rajesh.wadhwa@cii.in

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Digital Healthcare

Enhancing Access to Affordable Healthcare with Technology



From L to R: Dr Naresh Trehan, Chairman, CII National Healthcare Council and Chairman & MD, Medanta, Medicity; Dr Vinod Paul, Member, NITI Aayog; Dr R S Sharma, CEO, National Health Authority and Shashank ND, Chairman, CII Subcommittee on Digital Health and Co-Founder & CEO, Practo at the CII Digital Health Summit 2022 in New Delhi

While digital health has brought with it disruptions to how we access care, it has also raised important concerns related to the transformative nature of tele health, digital diagnostics and ease of adoption. Disruptive models emerging from health start-ups; m-health; technology adoption in diagnostics & medical technology; digital health and research in genomics are changing the way healthcare is delivered. CII organized the first ever Digital Health Summit 2022 on 27 July in New Delhi, with the theme of 'Leveraging Tech to build Patient-Centric, Inclusive Integrated Healthcare'.

Mr Shashank ND, Chairman, CII Subcommittee on Digital Health and CEO & Co-Founder, Practo highlighted that in India, more than 600 million people have access to internet and rising usage of technology has given Indians better access to healthcare. There are many policy challenges both for the policy makers and the industry and all healthcare service providers should come together for self-regulation, he added.

Dr Naresh Trehan, Chairman, CII National Healthcare Council and Chairman & MD, Medanta, Medicity said that technologies such as video consultation can help in cutting down multiple travels of a patient to a different destination for receiving treatment. Dr R S Sharma, CEO, National Health Authority shared that the Government is developing a Health Exchange Platform for hospital authorities and insurance companies to interact directly

for disbursing insurance claims of a patient faster. He added that NHA is working on developing a Unified Health Interface (UHI) which will be an open network designed to enable interoperable digital health service delivery.

Dr Vinod Paul, Member, NITI Aayog, said that the Government has developed many platforms for the ease of public and therefore it is high time for people to get connected with technology faster and start using these platforms. Technology outreach coupled with physical outreach is the way forward for hospitals, he added.



Science and Technology

Promoting Gender Parity in STEM

Science, Technology, Engineering and Mathematics (STEM) are critical to the national economy and is one of the key areas on which the future of a country depends. The higher presence of women in STEM offers a significant opportunity to further boost innovation and better represent the needs of society for more inclusive growth and relevant developmental solutions. CII in partnership with Department of Science & Technology; NITI Aayog; Indian National Science Academy (INSA); Indian National Academy of Engineering (INAE); Technology Information, Forecasting and Assessment Council (TIFAC) and UNESCO hosted Women in STEM Summit on 27 July, the Pi-Approximation Day, 22/7.

Professor Ajay Sood, Principal Scientific Adviser, stated that concerted efforts are required to remove conscious and unconscious bias at all levels. Along with the Government and other stakeholders, there is a need for corporate sector participation to increase the women workforce participation in STEM, he said. Dr Renu Swarup, Former Secretary, Department of



Professor Ajay Sood,
Principal Scientific
Adviser



Dr Renu Swarup,
Former Secretary,
Department of
Biotechnology
and Department
of Science and
Technology



Vipin Sondhi,
Chairman, CII
National Mission
on Technology,
Innovation and
Research

Biotechnology and Department of Science and Technology, highlighted the importance of three P's - Policies, Programs and People. We need to come up with forward looking policies and implement programs through the participation of right people including women, she added.

Some of the other delegates included Mr Vipin Sondhi, Chairman, CII National Mission on Technology, Innovation and Research; Mr Alok Nanda, Co-Chairman, CII National Mission on Technology, Innovation & Research and Ms Sindhu Gangadharan, SVP & MD, SAP Labs India. To recognize and celebrate the Women in STEM, CII also released a Compendium on Women in STEM: Vanguard of India@75 featuring 125 case studies of pioneering women, including academicians and researchers, administrators and policymakers, business innovation strategists and innovation entrepreneurs.



Alok Nanda,
Co-Chairman, CII
National Mission
on Technology,
Innovation &
Research



Sindhu Gangadharan,
SVP & MD, SAP
Labs India

The summit saw deliberations by experts and senior officials from national and international organizations on pertinent topics such as implementation of the National Education Policy 2020; leveraging pedagogy, relationship and technology for education; integration of academic and vocational education; outcome-based education and assessment reforms and role of schools & parents in early childhood education. Lessons learnt from COVID-19 and tackling mental health challenges were some of the other issues discussed.

The first edition of CII-Deloitte School Report - Yearly Status of School Education (YeSSE) 2022 was released during the summit. It presents the annual status of school education in states and union territories of India.



Promoting eSports

Discussing the Future of eSports in India

eSports industry in India has seen tremendous growth over the years, both in terms of viewership and revenue. Though at a nascent stage, the eSports market size in India has quickly scaled to ₹3 billion in FY2021 and is expected to reach ₹11 billion by FY2025. With its capabilities in mobile gaming and the influx of global eSports players, India will ultimately produce world-class eSports athletes capable of competing at the top level. Following cricket, India has the most significant potential for worldwide success in eSports. Furthermore, as eSports becomes a viable profession for the youth, the number of players playing eSports is expected to grow at 78% CAGR by 2025 to reach 1.5 million players and 250,000 teams.

As a sport, it has steadily gained popularity with youth, and consequently has also become an attractive option for brands to connect with young audiences. The CII



School Education

Focussing on Innovation in Education

The sixth edition of CII's annual School Summit was held in New Delhi on 22 July in partnership with National Council for Educational Research and Training (NCERT), National Council for Teacher Education (NCTE), UNICEF, UNESCO, among others. Prof Dinesh Prasad Saklani, Director, NCERT, emphasized on innovation in teaching. He also spoke about improving children's understanding in Indian culture and heritage.



Release of the CII-Deloitte School Report – Yearly Status of School Education at the CII School Summit in New Delhi

National Committee on Sports organized 'Rise of eSports – The Emerging Frontier', a virtual conference on 15 July to deliberate on the opportunities and challenges of eSports in India and explore its future impact. Each session was aimed at the leaders and executives in gaming and eSports. This included game publishers, journalists, eSports enthusiasts, sports and eSports federations, marketing strategists and eSports athletes.

The day-long conference saw discussions on topics such as taking eSports mainstream through OTT & streaming and building eSports through key investments in India. Led by Katie Sadleir, CEO, Commonwealth Games Federation, the conference saw top global sports administrators discuss the growth of eSports in India as well as its potential future globally at the conference. The former Olympian swimmer encouraged the development of eSports globally and has also initiated the inclusion of the sport in the Commonwealth Games. eSports is getting bigger in India and recent data from



Twitter shows that India is among the Top-10 countries in the world in terms of tweeting about gaming in the first half of the year, said Mr Anupam Goswami, Chairman, CII National Committee on Sports & CEO of Mashal Sports & League Commissioner, Pro Kabaddi League. We should work on the development of this sport just like any other sport, right from legitimising it, he added.

Some of the other delegates who joined the conversation included Vlad Marinescu, President of International eSports Federation; Darren Kwan, President of Australian eSports Federation; Vinod Tiwari, President of eSports Federation of India and Director, International & NOC relations, Olympic Council of Asia; eSportseSportseSports2018 Asian Games bronze medallist Tirth Mehta and FIFA Pro Lokmany Chaturvedi, along with game creators such as Animesh Agarwal, Founder and CEO, 8bit Creatives and Karan Mahesh Pathak, Associate Director, eSports, Krafton Inc, among others. ■

A Journal of Confederation of Indian Industry

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249-F, Sector 18, Udyog Vihar, Phase IV, Gurgaon-122 015 (Haryana), India, Tel: 91-124-4014060-67 • Email: sharmila.kantha@cii.in

Engaging with the World

UZBEKISTAN

Building Stronger Trade Ties

CII organized the India-Uzbekistan Business Forum on the occasion of visit of H E Mr Jamshid Khodjayev, Deputy Prime Minister and Minister of Investment and Foreign Trade of Uzbekistan, and the accompanying Delegation on 28 July.

Given the significance of the pharmaceutical and IT sector for Uzbekistan, H E Mr Jamshid Khodjayev invited Indian businesses to integrate and jointly produce pharma and IT products with Uzbekistan and work towards the development of several segments such as fintech and cybersecurity. Stressing on the partnership between the two economies, he further said that the Indonesian Government is working towards accelerating their efforts in improving the business environment that will contribute to the prosperity of Indian businesses, as both India and Uzbekistan are not competing economies and rather complement each other.

Smt Anupriya Patel, Minister of State, Commerce and Industry, said that Uzbekistan is an important trade partner for India. She emphasized on growing bilateral trade between the two countries and urged industry representatives from both countries to focus on diversifying the trade basket as multisectoral trade is the need of the hour. Smt Patel further underscored the willingness of India to deepen its engagement with Uzbekistan, particularly in infrastructure, hospitality and tourism, IT and, training and capacity building which could also be important for Uzbekistan.

Mr Rakesh Bharti Mittal, Past President, CII, Co-Chair, India Uzbekistan Joint Business Council (From India) and Vice Chairman, Bharti Enterprises stressed upon the potential of engagement between India and Uzbekistan in agriculture, tourism, health, pharma and space. Mr Mittal added that the current trade between the two economies is far less than potential and both the countries must work towards increasing bilateral trade. He expressed his views on the significance of future technologies and the corresponding opportunities in IoT, robotics, and machine learning for businesses of both



Anupriya Patel, Minister of State, Commerce and Industry, addressing the India-Uzbekistan Business Forum in New Delhi. From L to R: Prakash Kejriwal, Director, Indorama Corporation Pte Ltd; Farkhodjon Toshpulatov, Deputy Chairman, Chamber of Commerce and Industry of Uzbekistan, H E Mr Jamshid Khodjayev, Deputy Prime Minister and Minister of Investment and Foreign Trade of Uzbekistan and Rakesh Bharti Mittal, Past President, CII, Co-Chair, India Uzbekistan Joint Business Council (From India) and Vice Chairman, Bharti Enterprises

the economies. He further highlighted the immense prospects in the tourism sector for both countries.

Mr Farkhodjon Toshpulatov, Deputy Chairman, Chamber of Commerce and Industry of Uzbekistan mentioned that India is considered to be one of the leading partners of Uzbekistan and economic cooperation is Uzbekistan's priority. He mentioned about Uzbekistan's keenness to join efforts with India on mutually beneficial projects in pharmaceutical, agriculture, food processing etc.

Mr Prakash Kejriwal, Member of Board and Director, Indorama Corporation stated that an important area of engagement for India and Uzbekistan is services, in terms of local capacity building. India can play a significant role in enhancing the educational infrastructure in Uzbekistan. As India imports a significant amount of fertilizers, owing to the significance of food security for India, the two economies can work on developing a fertilizer corridor considering the abundant raw material available in Uzbekistan, he suggested.

H E Mr Alisher Shukurov, Deputy Minister of Agriculture and Mr Ulugbek Egamov, Deputy Director of The Agency on Development of Pharmaceutical Industry of Uzbekistan gave their insights on the potential in the agriculture and pharmaceutical sectors.

Mr N M Gupta, Head-International, NTPC Ltd, mentioned the growing traction of the renewable energy sector and the prospects of collaboration with Uzbekistan on R&D, capacity building and development of green value chains.

JAPAN

India-Japan CEO Speak Series

As a part of the celebrations marking the 70th anniversary of the establishment of diplomatic relations between India and Japan, CII, with the support of Embassy of India, Tokyo organized the third edition of the 'India-Japan CEO Speak Series', under the theme of 'Innovative Collaborations for Developing Future Generation Communication Technologies' on 14 July. The session aimed to share successful collaborations between the two countries in sectors covering future generation communication technologies to encourage businesses from both sides to explore new partnerships, promoting mutual trade & investment, technology transfer and innovations etc. Senior Government and Industry representatives from Japan and India participated in the session.

Ms Mona Khandhar, Minister, Economic and Commerce, Embassy of India, Tokyo highlighted that digital India is an umbrella program to transform India into a digitally empowered society and knowledge economy and prepare India for knowledge future. She further highlighted that Japan had launched an Asian Digital Transformation, wherein Japanese companies were provided with fiscal assistance to roll out innovative commercial and digital in partnership with Indian, ASEAN countries and others. Mr Kiran Karnik, Chairman, CII National Committee on e-Commerce and Former President, NASSCOM, shared that although India and Japan maintain their own priorities for development and economic cooperation, both countries are already working together through recently developed platforms to support digital economies, based on a common commitment to open and secure networks.

Mr C P Gurnani, CEO and MD, Tech Mahindra said that the benefits



Mona Khandhar,
Minister, Economic
and Commerce,
Embassy of India,
Tokyo



Kiran Karnik,
Chairman, CII
National Committee
on e-Commerce and
Former President,
NASSCOM



C P Gurnani,
CEO and MD,
Tech Mahindra



Yasufumi Hirai,
Group Executive
Vice President, CIO
& CISO, Rakuten
Group

of ICT collaboration between India and Japan were numerous, ranging from innovative solutions to health, social and economic problems to improving society's access to information and enabling communication. Mr Yasufumi Hirai, Group Executive Vice President, CIO & CISO, Rakuten Group, said that they recognize significant technology value from India and look forward to expanding technology partnerships between Japan and India.

INDONESIA

Igniting Economic Prospects with Aceh

Indonesia is the second largest trading destination for India in Southeast Asia and a favoured destination for investment. Nearly 50 Indian companies operate in Indonesia across sectors such as automobile, textiles, mining, infrastructure, pharmaceuticals, retail, FMCG, steel, banking, engineering, IT, power, amongst others.

Aceh, the western most province of Indonesia, is strategically located along the world's busiest international shipping routes, the Malacca Strait. Through a special territory status, Aceh is granted more autonomy and it is one of the fastest emerging markets in Southeast Asia, with access to global markets. Aceh is open to foreign investment and is keen to develop its economy by focussing on industrialisation. Opportunities for investment are available for palm oil, pine chemical, agricultural commodities, renewable energy, health, oil and gas, ports and airports, among others.

The Aceh-India Business Forum was organized by the Aceh Investment Agency and One Stop Service, on 8 June in Banda Aceh, to deliberate on trade and investment cooperation between Aceh and India. The theme of the forum was 'Strengthening Indo-Pacific Maritime Vision through Aceh – Andaman Nicobar Islands Economic Relations. The session saw delegates from the Ministry of Foreign Affairs; Ministry of Investment of Indonesia; Sabang Free Trade Zone Authority and CII, Indonesia.

CII Indonesia, in association with the Embassy of India in Jakarta and Consulate General in Medan, Indonesia, organized an Indian Industry delegation to Banda Aceh (Aceh), coinciding with the Aceh-India Business Forum from 7-9 June. The delegation aimed to understand local business environment, scope for collaboration, investment opportunities, identify potential partners, and to create awareness about the services and activities of Indian businesses to the Government agencies and businesses in Aceh. It included representatives from

In Association with



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- ▶ Showcase the latest technological advancements, new products and innovations to the wide range of audience from India and overseas.
- ▶ Exhibitors and delegates from across the globe-An opportunity to explore new businesses.



For more details, please contact: **Rajesh Wadhwa** | rajesh.wadhwa@cii.in



Manoj Kumar Bharti, Ambassador of India to Indonesia and Timor Leste with other delegates at the Aceh-India Business Forum in Banda Aceh

Aditya Birla, Alliance World Group, GMR Infrastructure, Ion Exchange, Larsen and Toubro, TVS Motor Company, Thermax, NTPC and UPL.

Mr Manoj Kumar Bharti, Ambassador of India to Indonesia and Timor Leste, said that the opening of the eighth overseas office of CII in Indonesia is an indication of the importance given by India to Indonesia in economic relations. Highlighting the areas of tourism, construction & infrastructure, renewable energy and agro-industry with potential for engagement and collaboration with Aceh, Mr Achris Sarwani, Head of Bank Indonesia, Aceh said that coming together is a beginning and working together is progress. Mr Marthunis, Head of Aceh Investment Agency and One Stop Services, stressed on the importance of a collaboration between India and Indonesia.

The session saw discussions around Indian businesses in Indonesia and the prospect of Aceh as a gateway for Indonesia-India relations. Direct air and sea connectivity; ease of doing business; incentives for foreign direct investment; ease in import quotas and trade facilitation were some of the issues highlighted. The B2B session at the forum provided insights into the requirements and expectations of Aceh Government for collaboration with Indian businesses.

GERMANY

Encouraging Collaborations in the SME Space

German SMEs generated 78% of turnover in construction, accommodation and food services. In fact, around 56% of the total 31.6 million employed in Germany work in SMEs. Recognizing the importance of German SMEs, Embassy of India in Berlin initiated the Make in India Mittelstand (MIIM) program 6 years



Ashok Saigal,
Co-Chairman, CII
MSME Council
and MD, Frontier
Technologies

ago to attract German Mittelstand companies, offering a premium market support entry program. The program is now replicated in several other European countries.

CII, together with the India office of the Konrad Adenauer Stiftung (KAS), organized a webinar to promote SME cooperation between Germany and India on 14 July. Mr Ashok Saigal, Co-Chairman, CII MSME Council and MD, Frontier Technologies, chaired the webinar. MSMEs are the backbone of the Indian economy and are well known for precision engineering and the quality of their output, he said. More than half of German SMEs (around 54%) who make up the Mittelstand believe that new technology is necessary to stay competitive and this is something that we are trying to convince Indian SMEs to recognize, he shared.

Dr Adrian Haack, Director, India Office, Konrad Adenauer Foundation (KAS) mentioned that a primary demand of the SMEs from Germany in India is security, as they have very little risk capital and think in terms of generations rather than years. The SMEs also worry about security abroad, in terms of rule of law, prices of services and functions of common infrastructure, among other issues, he said.

Some of the other speakers at the session included Mr Saketa Raja Musinipally, First Secretary (Head of Chancery and Economic & Commercial), Embassy of India in Berlin; Mr Martin



Dr Adrian Haack,
Director, India
Office, Konrad
Adenauer
Foundation (KAS)



Saketa Raja
Musinipally, First
Secretary (Head
of Chancery
and Economic
& Commercial),
Embassy of India in
Berlin



Martin Woerlein,
Head of India &
South Asia, Roedel
& Partner



Ashish Kumar,
MD,
VERBIO India

Woerlein, Head of India & South Asia, Roedl & Partner; Mr Ashish Kumar, MD, VERBIO India and Mr Manoj Barve, President, BVMW Representative Office, Federal Association of German SMEs.

The webinar saw delegates discussing targeted initiatives and programmes such as MIIM for enhancing cooperation to facilitate SMEs and their development in both countries. Deliberations also revolved around and addressed various hurdles German SMEs face in India and the potential solutions that can be offered.



Manoj Barve,
President, BVMW
Representative
Office, Federal
Association of
German SMEs

TAIWAN

Exploring Opportunities for Collaboration in e-Mobility

CII organized the India Taiwan Business Cooperation Forum in partnership with Chinese National Association of Industry and Commerce (CNAIC), Taiwan on 29 July, to deliberate on opportunities for collaboration between two economies on new and emerging sectors such as e-Mobility and smart manufacturing.

Mr Gourangalal Das, Director General, India Taipei Association (ITA) mentioned that India continued to implement significant measures to attract investment and was open for projects by focusing on supply chain realignment, governance reforms, ease of doing business, attractive investment schemes, innovation, digitization and infrastructural progress. He further mentioned that both economies have emerged as engines of growth for the global economy augmenting each other's comparative advantage in specific areas.

Mr Baushuan Ger, Representative, Taiwan Economic and Cultural Centre (TECC), India mentioned that Taiwan is the 7th-largest manufacturer of AI technology equipped machines. Taiwan is ready to partner with India in smart manufacturing, especially in the electric vehicle components and semi-conductor space, he added.



Gourangalal Das,
Director General,
India Taipei
Association (ITA)



Baushuan Ger,
Representative,
Taiwan Economic
and Cultural Centre
(TECC), India



Vikram Kirloskar,
Past President, CII
and Vice Chairman,
Toyota Kirloskar
Motor Private Ltd

Mr Vikram Kirloskar, Past President, CII and Vice Chairman, Toyota Kirloskar Motor Private Ltd said that with the global trading environment altered greatly in the post-Covid era, India and Taiwan and their strong economic partnership could prove to be strategically significant as a stabilizing force for the Asian region.

Speaking on leveraging mutual complementarities for business cooperation in smart manufacturing, Mr Umesh Kejriwal, ED, Regional Head South, Global Subsidiaries, Standard Chartered Bank mentioned that semiconductors can become a crucial driver for the India-Taiwan relationship because of their shared mutual synergies in smart manufacturing, which is further augmented by the Indian Government introducing schemes such as PLI Scheme and Semicon India. India-Taiwan partnership holds great potential for growth and collaboration between the two economies and in order to succeed emphasis should be placed on skilling manpower from both the sides, said Mr Vineet Sahni, Group CEO and Senior Executive Director, Lumax Industries.

Speaking on opportunities for business co-operation in e-Mobility, Mr Sumit Bhatnagar, Group President, Future Mobility, Anand Group said that there were significant opportunities for business cooperation in e-Mobility sector for Indian and Taiwanese companies. He highlighted some potential areas for cooperation such as batteries, assembly lines for EV products, power electronics, ADAS and collaboration for mass manufacturing of controllers.



Umesh Kejriwal,
ED, Regional Head
South, Global
Subsidiaries,
Standard
Chartered Bank

AUSTRALIA

Multi-city Multi-sectoral Delegation

Hon Roger Cook MLA, Deputy Premier, Government of Western Australia (WA) led a multisector mission of approximately 100 delegates to Delhi, Mumbai, Vishakapatnam and Chennai from 12-19 July. CII partnered with the Government of Western Australia for the 4-city programmes.

The focus of the multi-sector mission was to strengthen Government and Industry connections, unlock opportunities for Western Australian business in the Indian market following the Economic Cooperation and Trade Agreement (ECTA), increase connectivity between Western Australia and India and promote Western Australia as a destination for tourists, students, events, business and investment.

The delegates from WA were primarily from sectors representing international education and skilled

migration; mining and METS; energy; innovation hubs and smart cities; tourism, etc. During the multicity tour, CII organized various sessions, sectoral roundtables with the visiting delegates.

UNITED KINGDOM

Exploring Trade and Investment Opportunities

CII with UK Export Finance (UKEF) organized a session on trade, investment and financing with United Kingdom (UK) in Aurangabad on 18 July. Delegates from UKEF and Department of International Trade (DIT) presented financing models for Indian SMEs/MSMEs and discussed future mobility opportunities between the two countries. Senior officials from the British High Commission in India (BHC) also interacted with the CII Members.

The United Kingdom Government has eased the taxation, licensing, and legal procedures, which is why, Indian Industry prefers London as the favoured destination for investment, shared Ms Ajita Hathlia Deputy Director, Trade and UK Exports, South Asia. There are many opportunities to collaborate on technology and innovation which would help the industries on both sides and UKEF would be happy to provide support to Indian



From L to R: Avnish Malhotra, Future Mobility Specialist and Head British Trade Office, Pune; Ajita Hathlia, Deputy Director - Trade and UK Exports, South Asia; Samit Sachdeva, Vice Chairman, CII Marathwada Zone and Senior Vice President Siemens Ltd; Rahul Tabhane, Country Head - India, UK Export Finance, and Abhishek Jha, Senior Advisor, Department for International Trade, UK, at the session in Aurangabad

SMEs on such collaborations with the UK, she added. Speaking on the opportunities and scope for the automobile industry in the UK, Mr Avnish Malhotra, Future Mobility Specialist and Head, British Trade Office, Pune said that Aurangabad is one of the automotive hubs of Maharashtra and there are ample opportunities for the SMEs/MSMEs for expansion and tie-up with the companies from UK. Opportunities in the areas of healthcare and life sciences were also highlighted during the session, that saw more than 45 industry participants. ■







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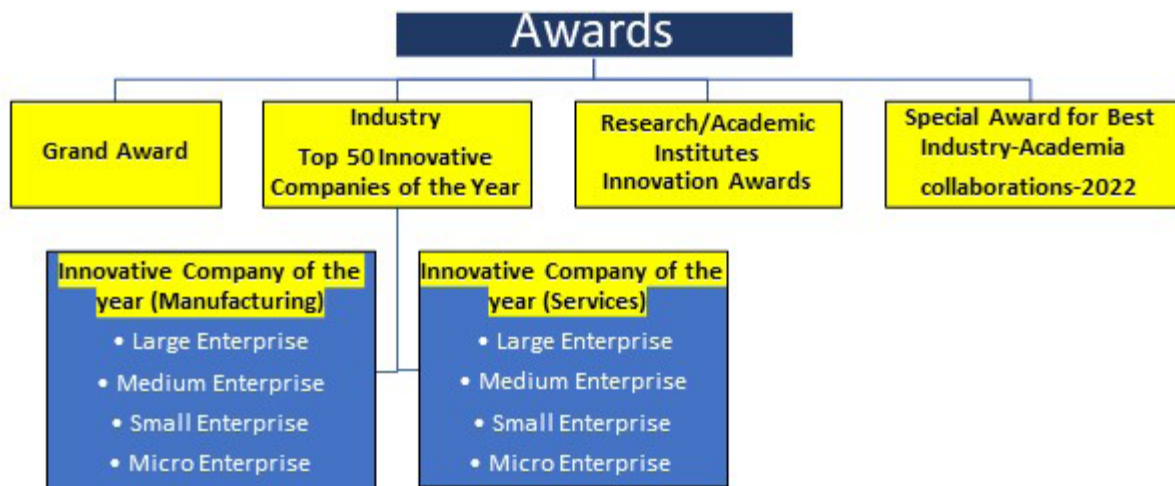
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Portfolio for Excellence



From L to R: Munish Kumar Sharma, Senior Advisor - QAPD, Maruti Suzuki India Ltd; Chandrashekhar Chauhan, APAC Regional Quality Manager and Lean Practitioner, CNH Industrial India Pvt Ltd; Parna Ghosh, CIO, Uno Minda Group; Virender Singh, Senior Counsellor, CII Institute of Quality; Vineet Sahni, Group CEO and ED, Lumax Industries Ltd & Lumax Auto Technologies Ltd (Lumax Group); Dr Tapan Sahoo, Executive Director - Engineering, Maruti Suzuki India Ltd; P Soni, Chairman, CII Core Committee on LCA & DRA Industry 4.0 and CEO & ED SKH Metals Ltd; Sanjay Thakar, Co-Chair - CII Core Committee on LCA & DRA - Industry 4.0 and Senior Advisor, QA Vendor Upgradation, Maruti Suzuki India Ltd; I V Rao, Visiting Senior Fellow at TERI and Executive Director - Engineering & Director, Maruti Centre of Excellence and Ranjan Swaroop, Member- CII Core Committee on LCA & DRA - Industry 4.0 and MD, AgKASA Industries at the CII LCA Competition 2022 in New Delhi



Quality Consciousness

Recognizing the Best LCA Practitioners

The CII National Competition on Low Cost Automation is held every year to recognize and understand how the various Low Cost Automation (LCA) techniques are implemented by organizations in different manufacturing, support and service processes that result in improvement in the areas of productivity, quality, cost, delivery, safety, morale and energy. The platform also provided a cross learning for various LCA techniques from the presented case studies, interaction with LCA implementers, LCA gadget providers and low cost automation service providers.

A total of 57 teams from 45 organizations participated in the above competition including companies such as Hero MotoCorp Ltd, Haridwar; Hindustan Coca-Cola Beverages Pvt Ltd, Hobli; Larsen & Toubro Ltd, Pithampur; L&T Ltd, Kanchipuram and Godrej & Boyce Manufacturing Co Ltd, Mumbai, among others. The programme is gaining significance not only in manufacturing sector but also in services sector as it

witnessed 46 case studies from manufacturing and 11 case studies from service.

The award ceremony of the 7th CII National Competition on Low Cost Automation, organized on 22 July in New Delhi saw Dr Tapan Sahoo, Executive Director-Engineering, Maruti Suzuki India Ltd address the delegates, along with Mr Vineet Sahni, Group CEO and ED, Lumax Industries Ltd & Lumax Auto Technologies Ltd (Lumax Group); Mr P Soni, Chairman, CII Core Committee on LCA & DRA Industry 4.0, CEO & ED, SKH Metals Ltd and Mr Sanjay Thakar, Co-Chair, CII Core Committee on LCA & DRA-Industry 4.0 and Senior Advisor, QA Vendor Upgradation, Maruti Suzuki India Ltd, among others.

Some of the speakers who addressed the gathering were Mr Rajendra Abhange, President and CEO, Auto Ignition Ltd and Member, CII Core Committee on LCA & DRA - Industry 4.0; Mr Sanjay Thakar, Co-Chair, CII Core Committee on LCA & DRA - Industry 4.0 and Senior Advisor, QA Vendor Upgradation, Maruti Suzuki India Ltd & 0; Mr Ajay Gopalswamy, CEO, Difacto Robotics and Automation Pvt Ltd, among others. The programme witnessed more than 450 officials from various organizations as presenters and delegates.

For any query, please contact E: Virender.singh@cii.in



Mentoring and Training

Sharing Leadership and Management Skills

Leadership development is a top strategic priority of any progressive organization. While large-scale organizations are well equipped internally to curate and deploy leadership journeys, it is the mid-sized organizations that struggle to expose their high potential employees (HiPos) to quality long duration leadership development interventions. To cater to this need, the CII Centre of Excellence for Leadership in association with The Strategy Academy Centre for Advanced Studies (TSACAS) has been offering the Young Leadership Development Programme (YLDP) for the last five years.

The online leadership development programme was designed to impart leadership and management skills in cross-functional areas to high potential young leaders with 5-10 years of experience in an executive/managerial role, thus enabling organizations to create the future leadership pipeline. The digital pedagogy comprises a unique 2-way interactive, real-time learning platform spread over 4 months (over 100 hours) with live faculty interaction. The programme is backed by a unique combination of theoretical frameworks and practical knowledge sharing by industry practitioners.

In-built into the YLDP Programme is a robust and continuous assessment process that will assess participants on a multi-element evaluation system. Real-life experience sharing by industry practitioners and Action Learning Projects (ALP) after each module further enriches the learning experience by providing a holistic and practical approach to the concepts discussed.

Over the years, leading organizations from India have taken advantage of this unique programme to develop and strengthen their leadership pipeline. The programme has 4 modules that include: building blocks and contemporary issues; understanding strategy and application of strategy; driving performance and achieving vision and goals; leading and managing in the era of AI, machine learning, robotics and effecting digital transformation. This year two batches of the flagship programme were launched with a total of 68 participants on 11 July and on 19 July. Till date, the programme has impacted close to 270 high potentials and is expected to impact many more in the times to come.



Improving Competitiveness of SMEs

Focussing on EHS Compliance



The CII Centre of Excellence for Competitiveness for SMEs (CFC) organized the 3rd edition CII National EHS Circle Competition on 21-23 July. The theme this year 'Commitment- Compliance-Action and Implementation by Competing, Sharing and Re-learning', was in line with demonstrating an organization's commitment to be EHS compliant, be action oriented, achieve recognition and learn from each other.

The award announcement session held on 23 July included senior officials such as Mr Yogesh Munjal, Chairman, CII Clusters for Competitiveness and MD, Munjal Showa Ltd; Mr Sanjay Shridhar, Director, APAC-Purchasing & SQE, CNH Industrial (India) Pvt Ltd and Mr Pankaj Tyagi, GM-EHS, Luminous Power Technologies Pvt Ltd. The winning companies this year included Hindalco Industries Ltd (Unit-Aditya Aluminium); Bridgestone India Private Ltd, Pune; TVS Credit Services Ltd, Chennai; Luminous Power Technologies Pvt Ltd, Gagret and Minda Industries Ltd Casting Division, Bawal, etc.



Best Manufacturing Practices

Certification Course on FMEA and RCFA

Failure Modes and Effects Analysis (FMEA) is a powerful tool to help anticipate and prevent failures by identifying, evaluating and mitigating failure mechanisms. An effective FMEA process can help organizations avoid process upsets, improve equipment Reliability and prevent defects in equipment, product and services. FMEA is also used



to drive risk reduction related to failure of assets, covering both potential safety and business risks.

Even with the most robust of maintenance strategies, equipment could still fail. Often, their failure has an adverse effect on the process as well as on other components /equipment. Root Cause Failure Analysis (RCFA) is a tool used to determine the physical, human, and systems root causes causing a failure. An effective and fact-based RCFA process is integral to an organization's journey towards continuous improvement and can be applied to either chronic or sporadic failures.

CII CME organised an Interactive Course on FMEA and RCFA, in association with dss+, to help managers to understand and learn core concepts of FMEA and RCFA and their application to improve reliability of equipment

or systems, while in operation. 34 participants from 12 member companies attended the workshop.

Sharing Strategies to Work Better on Excel

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Confederation of Indian Industry

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Building Capacity



Promoting Tech Adoption

Best Practices in Digital Transformation

CII-Tata Communications Centre for Digital Transformation (CDT) has been engaging with Industry for digital transformation. It has regularly created awareness to help them with digital adoption in order to become globally competitive. CDT has initiated a deeper engagement through cluster workshops, which is an initiative to handhold specific industry sectors in their digital journey, to help them leverage and utilize cost effective technology solutions which could help them achieve economies of scale to sustain and grow their business.

Continuing with this initiative, CDT engaged with the Metal, Mining and Mineral (MMM) industry through a session on 13 July in Jajpur, Odisha. The objective of the session was to take the MMM industry to the next level of transformation by creating awareness on digital technologies and by making it more resilient, efficient, and sustainable through actions that include adoption of eco-friendly practices in the areas of energy efficiency, adoption of renewables & solar, automation and digitization. Adoption of digital will further improve

agility which will help them meet the end consumer's expectations for safety, sustainability, and transparency and enhance the profitability.

Mr Ashok Kumar Sharda, President (In-charge), The Utkal Chambers of Commerce and Industry Ltd emphasized that the MMM industry is a key driver of infrastructure development supporting India's economic growth. While infrastructure projects face various challenges, application of digital technologies can help in resolving several issues, he said. Emphasis on data management and data security would play a pivotal role in adopting digitalization in mining metal and mineral industry, he added.

Mr Sunil Singh, Segment Head - Mining, Minerals & Metals, Schneider Electric gave an extensive view of the latest trends, and technologies that could help improve operational transparency, build sustainability, through digitally integrated power and processes to accommodate rapid business growth for the industry. Mr Shashibhushan Upadhyay, Resident Director, Jindal Stainless Ltd shared that in the current scenario it is imperative for the MMM industry to digitally transform and leverage digital technology towards building profitability and sustainability to become next gen industry of the future. The session included case studies that highlighted the benefits of technologies and encouraged delegates to voice their queries and seek clarity. ■



Participants at the session on building the next generation metal, mining and mineral industry through digitization in Jajpur, Odisha



Confederation of Indian Industry

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Regional Review



EASTERN REGION

Upliftment of Tribal Communities



Banna Gupta, Minister, Department of Health, Medical Education & Family Welfare and Disaster Management, Government of Jharkhand at the Tribal Development Meet in Ranchi

India has one of the largest tribal populations in the world. Approximately there are about 746 Scheduled Tribes that constitute around 8% of the India's population. There is a need to integrate tribes into mainstream of the society as a rightful member with respect. CII Jharkhand organized the fifth edition of Tribal Development Meet on 27 July in Ranchi. The session had focused deliberations on enhancing the quality of life of tribal communities and to carve a path for them to come into the mainstream. Shri Banna Gupta, Minister, Department of Health, Medical Education & Family Welfare and Disaster Management, Government of Jharkhand stated that the State Government has given a special focus to the upliftment of tribal society of Jharkhand.

He shared that out of the total tribal population of Jharkhand, only 2.5% are engaged in business. There is a need to change the mindset of tribal population to encourage them to become entrepreneurs, the Minister added. We need to create a market to help them, eliminate middlemen to earn more profits and also ask banks to come up with funding policies and schemes as the tribal community is very low in capital and investments, he suggested. Some of the other delegates at the session included Mr Umesh Kumar Singh, Vice Chairman, CII Jamshedpur Zonal Council and MD, The Tata Pigments Ltd; Mr Basant Turkey, National General Secretary, Tribal Indian Chamber of Commerce & Industry (TICCI); Mr Ganesh Reddy, Secretary cum CEO, Citizens Foundation, among others. Over 150 delegates participated in the forum.

Showcasing Indigenous Technology to Army



Lt Gen Rana Pratap Kalita, UYSM, AVSM, SM, VSM, GoC-in-C, Eastern Command addressing delegates at the East Tech 2022 in Kolkata

Eastern Command HQ, Indian Army, in partnership with CII-SIDM organized a mega exposition 'East Tech 2022' on 7-8 July in Kolkata to facilitate eastern command in meeting its operational challenges by incorporating contemporary indigenous technology. The industry directly demonstrated their products and solutions to the Eastern Command and got the on-the-spot feedback. Appreciating the efforts of the West Bengal Government in mobilizing defence in the east, Lt Gen Rana Pratap Kalita, UYSM, AVSM, SM, VSM, GoC-in-C, Eastern Command, highlighted major requirements by armed forces in terms of surveillance instruments, sustainable solutions, avalanche rescue equipment, portable medical equipment, drone technology and counter-drone technology to be self-reliant in new-age technology-heavy warfare.

The exhibition was visited by senior Army officers who accessed the solutions on display and gave their recommendations with regard to the procurement of equipment that would potentially enhance the operational readiness of the Eastern Army Command. The senior officials from the Indian Navy, Indian Airforce, and ITBP also visited the exhibition.

Focussing on Defence Procurement

Defence sector has been one of the focus sectors for the Government with an aim to reduce imports and strengthen its capabilities to address the needs. The domestic procurement target has been increased to 68% of the budgeted capital expenditure vis-a-vis 58% of the last year. Defence production is not new for



Delegates at the Conference on West Bengal: The Future Destination of Defence Manufacturing in Kolkata

West Bengal as it already has Ordnance Factories and Naval Ship Building since the last few decades. Skilled manpower, natural resources, strong MSME base, strong industry-academia collaboration, geographical advantage and industry friendly policies makes West Bengal an ideal and preferred destination for new investments.

In order to further explore opportunities in defence procurement, a conference on 'West Bengal: The Future Destination of Defence Manufacturing' was organized on 8 July in Kolkata. Representatives from Government of West Bengal, Eastern Command, CII and SIDM addressed the conference to set the momentum for the expansion of defence business horizon in the State.

Almost 200 exhibitors showcased their products at the conference and appreciating the efforts of West Bengal Government in mobilizing defence in East, Lt Gen Rana Pratap Kalita, UYSM, AVSM, SM, VSM, GoC-C, Eastern Command, highlighted the major requirements by armed forces in terms of surveillance instruments, sustainable solutions, avalanche rescue equipment, portable medical equipment, drone technology plus counter drone technology to be self-reliant in new-age 'technology heavy' warfare. The sector is also looking forward to mobility or counter mobility solutions across forests and hilly terrains, he said.

Dr H K Dwivedi, Chief Secretary, Government of West Bengal, highlighted the need for necessary ecosystem to create an environment of innovation in defence manufacturing in the state. Government is keen on forming a taskforce to initiate further post conference, he added. Dr Dwivedi said that as an initiative towards upgrading the R&D Facilities, West Bengal State Government has decided on collaborating with premier institutes like the IITs to ensure technical excellence in the era of drone warfare. Mr Rajesh Pandey, Principal Secretary, Department of Micro, Small and Medium Industries & Textiles, Government of West Bengal, advised CII to organize interactions with MSMEs, ordnance factories and sectors involved in defence supply chain to integrate the nascent units into operational ones.



From L to R: Amit Kumar, Director, Pristine Logistics and Infra Projects Pvt Ltd; Eshor Raj Poudel, Consulate General of Nepal, Kolkata; Vinit Kumar, Chairman, Syama Prasad Mookerjee Port, Government of India; Debashish Dutta, Chairman, CII Eastern Region Logistics, Warehousing & MMT Subcommittee and MD, BG Samaddar & Sons Ltd and President, Ripley & Co Ltd and Dinesh Shastri, Co-Chairman, CII Eastern Region Logistics, Warehousing & MMT Subcommittee and MD, TMILL at LogiConnect 2022 in Siliguri

Pitching Siliguri as the new Logistics Hub

CII organized LogiConnect 2022 on 22 July in Siliguri. The initiative was a step forward to connect Nepal, Bhutan, Bangladesh, Northeast through North Bengal. BL allotment of Siliguri ICD is required for convenience of exporters & importers and will fulfil the establishment vision of this ICD, said Mr Vinit Kumar, Chairman, Syama Prasad Mookerjee Port. Mr Kumar said that all stakeholders need to come together to actualize the potential of Siliguri as the city is a very important point/hub for transit to Nepal and other northeast states.

Labelling the Siliguri ICD as a game-changer, he said that empty containers from Nepal will be available for further exports and demurrage count will stop if it stops in this ICD. According to him, during the pandemic, charter rates climbed up and feeder ports were activated which reduced number of ships.

Highlighting the importance of logistics infrastructure, Mr Ranjan Khanna, Principal Commissioner of Customs (Preventive), Kolkata Customs, Ministry of Finance, Department of Revenue, Government of India said that the Government of India is laying emphasis on growth in bilateral trade with Nepal, Bangladesh and Bhutan as there is a lot of potential in the untapped trade with these countries.

Members' Meet

CII North Bengal Zonal Council organized a Members' Meet and Roadshow on 29 July in Siliguri. Ms Sucharita Basu, Vice Chairperson, West Bengal State Council and Partner, Aquilaw spoke about the CII initiatives and engagements in the region. She urged Members to utilize the Centres of Excellence, CII



Pradip Purohit, Chairman, North Bengal Zonal Council

knowledge banks and various CII forums to take forward their businesses. Around 60 Members participated in the meet.

Recognizing Excellence in Skills

CII has been organizing Workskills Competition for the last three decades and Supervisory Skills Competition for the last two decades with a focus to nurture a sense of competitiveness within industry to upgrade the skillsets of the workforce. The objective of this competition is to encourage workers and supervisors in the industry by providing recognition for individual merit and excellence in skills through organized competition in selected trades.

On 9 July, CII organized an award ceremony to give away trophies and certificates to winners of the 32nd and 33rd Regional Workskills Competition and 20th and 21st National Supervisory Skills Competition in Bhubaneswar. In the 20th National Supervisory Skills Competition, 110 teams contested and in the 21st edition, 86 teams participated. In the 32nd Regional Workskills Competition, 208 participants were nominated by 22 CII member companies and the competition was held in 21 trades. In the 33rd edition of the Regional Workskills Competition, 195 candidates participated from 19 member companies.



NORTH EASTERN REGION

Export Opportunities with Bhutan

CII in association with Indian Embassy in Bhutan organized a virtual session on Export Opportunities to Bhutan on 26 July. The session was primarily organized to promote export from Northeast India to Bhutan, focussing particularly on food processing (juices, noodles, rice, biscuits), dairy products (paneer, chocolates, packaged milk), coffee, bamboo art & craft products, bamboo building materials and furniture, FMCG goods, spices etc.

Indian Embassy in Bhutan has taken number of initiatives for promoting the bilateral trade between India and Bhutan especially on agri and food processing sector, said Ms Anne Haokip, First Secretary, Indian Embassy in Bhutan. Ms Haokip said that 80% of trade of Bhutan is with India and various steps have been taken to further ease out the trade between the two countries including the

opening up of Trade Facilitation Centre at Jaigaon, West Bengal etc. There is not much clearance required because of the Free Trade Agreement between India and Bhutan, said Mr Sangay Chopel, Trade Officer, Department of Trade, Ministry of Economic Affairs, Bhutan, while deliberating on the approvals required for trading with Bhutan.

Sharing Information on Financial Management

CII, in association with Welcome Financials Private Ltd organized an investors awareness workshop for entrepreneurs on 27 July in Agartala. The purpose of the workshop was to create awareness on overall economic scenario, emphasize on the importance and discipline in savings, and highlight different types of saving instruments, etc.

Smt Rakhi Biswas, Commissioner of Taxes and Excise, Government of Tripura, spoke about the completion of the 5 years of GST and how this historic tax reform has benefitted the entire country bringing in the much-needed simplification in the tax structure. Financial experts from Welcome Financials Private Ltd shared information on financial management with the delegates. Mr Rabin Bose, Member, CII and Vice President, Mutha Industries Private Ltd spoke about the importance of personal financial management and how the session has been specially designed to benefit the entrepreneurs. About 40 participants from diverse fields participated in the session.

CII Flood Outreach Initiative

CII in association with CII Foundation has handed over relief items to Assam State Disaster Management Authority for Assam Flood on 20 July in Guwahati. This year, the havoc created by flood was unprecedented, with almost all the districts of Assam submerged in the flood. To ease out their difficulties minimally, CII handed over several tonnes of food items such as Rice, Pulses, Mustard Oil, Turmeric powder, Salt and hygiene material to ASDMA so that it reaches to the people in despair.



CII handed over flood relief items to Assam State Disaster Management Authority



L to R: K R Meena, Director, Agriculture Infrastructure Fund (AIF) Scheme, Ministry of Agriculture and Farmers Welfare, Government of India; Fauja Singh Sarari, Minister, Defence Services Welfare, Freedom Fighters, Food Processing and Horticulture, Government of Punjab; Gagandeep Singh Brar, Special Secretary, Agriculture, Government of Punjab; Shailender Kaur, Director, Horticulture, Government of Punjab; Raghunath B, Chief General Manager, NABARD, Chandigarh; Dr P J Singh, Vice Chairman, CII Punjab State and CMD, Tynor Orthotics Ltd and Amit Thapar, Chairman, CII Punjab State and President, Ganga Acrowools Ltd at the Conference on Agriculture Infrastructure Fund (AIF) in Chandigarh



NORTHERN REGION

Accelerating the Pace of Diversification in Punjab

The Agriculture Infrastructure Fund Scheme provides a medium to long term debt financing facility for investment in viable projects for post-harvest management infrastructure and community farming assets through interest subvention and financial support. To create awareness about the provisions of the scheme and to have a dialogue among the stakeholders on how Punjab's farming as well as agro-processing community can work together and collaborate to make Punjab's agri sector competitive on the global map, Department of Horticulture, Government of Punjab, in partnership with CII organized a Conference on Agriculture Infrastructure Fund (AIF) scheme on 22 July in Chandigarh.

In order to make the agricultural and allied sectors economically viable for farmers, Punjab Government has envisioned its meticulously contemplated idea to create a value chain for agriculture and horticulture sectors to double the income of farmers by introducing new technologies, stated Shri Fauja Singh Sarari, Minister, Defence Services Welfare, Freedom Fighters, Food Processing and Horticulture, Government of Punjab. The process to chalk out a comprehensive plan is underway as these areas have the immense potential to harness the demands of foreign shores, he shared.

Mr Amit Thapar, Chairman, CII Punjab and President, Ganga Acrowools Ltd said that there is immense scope for knowledge dissemination on prevailing market trends, technology, and good agricultural practices at all levels and therefore we see that all stakeholders are somehow stuck in the vicious loop of low value. The way forward is to further scale up the AIF initiative with more support

coming in from Government, which can help in further expanding the scope of this scheme, he added.

Panellists discussed infrastructural requirements across agriculture and horticulture value chains in Punjab. Government and Industry representatives deliberated on strategies to reduce bottlenecks and find ways to address challenges. Some of the other areas under discussion included stakeholder interventions, challenges focused on building deep understanding on the design and structure & implementation mechanism of the AIF Scheme.

Recommendations for New Industrial and Business Policy

CII made a formal representation and submitted a comprehensive policy document entailing comprehensive recommendations for the New Industrial & Business Policy, 2022 for the State to the Government of Punjab at an interaction in Chandigarh on 15 July.

The document advocates that solar banking should be allowed, i.e., private players having additional land should be allowed to bank power to PSPCL and draw it elsewhere within the state within a period of 1 month for captive use. Moreover, in case of expansion and modernization of MSMEs, the period under which the unit must undertake expansion/modernization should



CII delegation presenting the recommendations for New Industrial & Business Policy, 2022 to Government of Punjab officials in Chandigarh

be allowed to be completed in phases within 3 years' (apart from electronics – which is expected to continue for few more years as deliveries of capital goods is a challenge).

CII proposed to work with the State Government in setting up Model Career Centres, as these would provide a solution to the Industry for sourcing and cost-effective hiring. Additionally, CII, with the Department of Employment Generation and Training has set in motion a mechanism to ensure that local job seekers in the State get their due share in gainful employment arising from the growth in industrial activity.

With an objective to enhance productivity and meet the prevalent norms in the global market and to liberalize the rules relating to the deployment of workers on voluntary overtime, it was proposed that an overtime of 115 hours in one quarter should be allowed. This would not only enhance the productivity level, but will also give the workforce an opportunity to earn more and enhance their livelihoods. This would also help in projecting Punjab as a more attractive investment destination wherein companies are able to operate at more optimum levels.

Mr Amit Thapar, Chairman, CII Punjab and President, Ganga Acrowools Ltd, remarked that the primary goal of the incentives is to make the State a preferred investment destination both domestically and globally. He also mentioned that there are many other states which have been proactive in extending useful benefits and incentives to its industries and that with similar sentiments, Punjab should not be a laggard in this area.

Making Himachal Pradesh the Power Capital of India

To create a common platform for all important stakeholders ranging from policy makers, consumers, investors, financiers, etc. to discuss and brainstorm on the opportunities and challenges of the power sector in Himachal Pradesh, CII organized the 3rd edition of Power Conclave on 22 July.

Mr Harikesh Meena, Director, Energy, Government of Himachal Pradesh, shared that the State Government has come out with a Special Amnesty Scheme for power producers of the State and that the Department of Energy is further committed to help them and solve their problems.

Hydropower is considered a 'green and clean' source of power generation;



Harikesh Meena,
Director, Energy,
Government of
Himachal Pradesh

keeping in view the vast hydropower potential of the State, CII advocates for harnessing this untapped power potential, said Mr Subodh Gupta, Chairman, CII Himachal Pradesh and Group MD, Microtek Balaji Powertronics Pvt Ltd.

Power developers of the State are facing many issues on the Ease of Doing Business front such as delay in getting FCA clearance, land & revenue-related issues and poor infrastructure which are causing delays in commissioning of the projects. CII believes that the State Government must resolve the issue of the power sector so that new investments in this sector could be invited and old projects could also function as per their actual capacity, said Mr Gagan Kapoor, Vice Chairman, CII Himachal Pradesh and MD, Pulkit Industries. This will help the State in getting additional revenue and generate employment for the local youth, he added.



Subodh Gupta,
Chairman, CII
Himachal Pradesh
and Group MD,
Microtek Balaji
Powertronics
Pvt Ltd



Gagan Kapoor,
Vice Chairman, CII
Himachal Pradesh
and MD, Pulkit
Industries

Unleashing India: Gateway to Global Engineering R&D and Innovation

India's engineering sector is of strategic importance to India's economy as it accounts for 27% of the total factories in the industrial sector and represents 63% of the overall foreign collaborations. The light engineering and component sector as a critical element, is strategically important to the economy as its output drives a broad base of industries acting as a critical input. India has a comparative advantage in these sectors in terms of manufacturing costs, market knowledge, technology, and creativity. Going ahead, India needs to focus on addressing key concerns for supporting the growth of India's light engineering value chains including raising productivity, securing know-how and technology, and ensuring access to capital.

To understand the narrative of the Indian light engineering and component manufacturing industry and to brainstorm together to take this sector to the next level of growth, CII organized the 1st edition of the Conference on Light Engineering and Component Manufacturing with the theme Unleashing INDIA: Gateway to Global Engineering R&D and Innovation on 19 July.

CII has been handholding the manufacturing sector

through focused buyer seller meets, vendor development programmes and through training and capacity building services offered by the various Centres of Excellence. CII has been promoting and fostering pre-eminence and competitiveness to create a global manufacturing hub in India.

However, the need of the hour is for stakeholders such as policy makers, institutions, and industries to work hand in hand to ensure an ecosystem that supports the growth and promotion of the Indian light engineering and component manufacturing sector as a part of the global value chain and foster expertise on research & development and skilling.

India's manufacturing sector has opened itself into new geographies and Mr V S Kasbekar, Conference Chairman and Executive Director, Hero MotoCorp. Propelled by geopolitical megatrends, Government initiatives such as Production-Linked Incentives will encourage local manufacturing and ensure a skilled workforce, he added. Mr Uma Shankar Gupta, ACEO, Invest Punjab, highlighted Punjab's strengths in component manufacturing and light engineering. He further mentioned that various initiatives of the Government of India such as PLI Scheme, Export Promotion Scheme, AatmaNirbhar Bharat, etc have the potential to boost light engineering and component manufacturing in India.



V S Kasbekar,
Conference
Chairman and
Executive Director,
Hero MotoCorp



Uma Shankar
Gupta, ACEO,
Invest Punjab



SOUTHERN REGION

Making Andhra Pradesh an Investor Friendly State

The CII Southern Regional Council Meeting was organized on 22 July in Tirupati. Andhra Pradesh has been ranked number 1 in Ease of Doing Business ranking for the second consecutive time; this ranking is a testimony to our Government and our commitment for enabling smooth running for any business in the State, said Sri Gudivada Amarnath, Minister for Industries, Infrastructure, Investment & Commerce and Information Technology, Government of Andhra Pradesh. Shri Amarnath said that the Government wants to create



Suchitra Ella, Chairperson, CII Southern Region and Co-Founder and Joint MD, Bharat Biotech International Ltd and other delegates at the CII Southern Regional Council Meeting in Tirupati

an environment where businesses can be run hassle free, has no major tax implications, pass through single window for clearances etc.

Ms Suchitra Ella, Chairperson, CII Southern Region and Co-Founder and Joint MD, Bharat Biotech International Ltd, said that CII has been engaged with the State's development since long and has undertaken a range of initiatives across key sectors of agriculture, pharma, manufacturing, infrastructure, exports, skill development, entrepreneurship, start-ups, MSMEs and also CSR. Ms Ella urged the Minister to consider setting up a CII-Government Andhra Pradesh Consultative Forum to further strengthen CII's engagement and partnership with the Government in promoting industrial growth in the State.

Making Tamil Nadu the Preferred Partner for Western Australia



Dr Palanivel Thiaga
Rajan, Minister
for Finance and
Human Resource
Management,
Government of
Tamil Nadu

CII Southern Region organized a session to explore synergies between Tamil Nadu and Western Australia on 18 July in Chennai. Dr Palanivel Thiaga Rajan, Minister for Finance and Human Resource Management, Government of Tamil Nadu said that India is predicted to be the fastest growing and the largest economy in the world in the coming years. He shared that although India's value of Australia-India trade has grown,

Western Australia's trade with India has not grown much and the potential is tremendous for us to tap into. The Chief Minister's vision to make Tamil Nadu a USD 1 trillion economy by 2030 is achievable as it is India's second largest economy, third largest in exports and is one of the best states for doing business, he added.

Mr Ravi Viswanathan, Chairman, International Linkages Sub Committee, CII SR and MD, TVS Supply Chain Solutions highlighted the State's recent accomplishments. Tamil Nadu is India's largest automobile and auto-

components exporter; it is the second largest electronics hardware manufacturer; third largest software exporter and fifth largest producer of pharmaceutical products, he shared.

Interactive Session with Ms Suchitra Ella

CII Southern Region organized a press conference with Ms Suchitra Ella, Chairperson, CII Southern Region and Co-Founder & Joint MD, Bharat Biotech International Ltd in Hyderabad on 20 July. CII SR will continue to work closely with the state governments from southern India and Industry and facilitate in generating 25 lakh jobs in the next 5 years, she said.

Ms Ella said that to achieve this ambitious goal of creating 25 lakh employment opportunities, CII has chalked out a two-pronged strategy. First, to promote southern states as an attractive investment destination globally, and second, to work with existing industries for expansion of their business operations in the region. The SR theme 'Beyond South India@75' will broadly fall under the focus areas of policy and regulatory excellence, enhancing core competitiveness, protecting lives and livelihood, societal connect and sustainability, she shared.



Suchitra Ella,
Chairperson, CII
Southern Region
and Co-Founder
& Joint MD,
Bharat Biotech
International Ltd

Cricket Tournament for CII Members

CII Puducherry organized its second edition of CII Puducherry Corporate Cricket League in July 2022. The inauguration of the second edition was organized on 18 June 2022 in the presence of Dr V J Chandran, IGP, Puducherry Police and a total of 20 teams from CII Member organizations participated in the cricket league. The finals of the Cricket League cum Valedictory Session was held on 9 July. Smt S Chandira Priyanga, Minister

for Transport, Adi Dravidar Welfare, Housing, Labour and Employment, Art and Culture, Economics and Statistics, Government of Puducherry, mentioned that it was a great effort from the CII Puducherry by connecting such a large number of employees of various CII Member organizations by way of playing cricket. She further added that corporates should also focus on the health and wellbeing of the employees.

Dr S Surender, Chairman, CII Puducherry mentioned that this tournament had provided corporates an opportunity for employee engagement; encourage active participation in sports; boost employee morale and team spirit. The champion of the cricket league was Eaton Power Quality Private Ltd. First runner-up was Poclairn Hydraulics Private Ltd and the second runner-up was Marico Ltd.

Discussing the Future of Renewable Energy



Delegates at the Renewable Energy Series in Vijayawada

As part of the continuing engagement and collaboration between India and the United States, the U.S. Consulate General in Hyderabad and CII Andhra Pradesh launched the first session of joint Renewable Energy Speaker Series in Vijayawada on 20 July.

Mr Neeraj Sarda, Chairman, CII Andhra Pradesh and Deputy MD, Sarda Metals & Alloys Ltd shared that the aim of the session was to create sustained engagement between India and the United States towards building a consistent narrative and creating an



CII Puducherry Corporate Cricket League 2022

enabling environment for greater collaboration in the renewable energy sector.

Mr K Vijayanand, Special Chief Secretary, Energy, Government of Andhra Pradesh spoke on the renewable energy sector in Andhra Pradesh and the progressive policies which made Andhra Pradesh the leader in renewable energy in India.

Mr David Moyer, Public Affairs Officer, U.S. Consulate General in Hyderabad, stated that the United States and India have a long history of collaboration in the energy sector. By bringing together U S and Indian experts from the private and public sectors to discuss the present and future of renewable energy, we are able to continue that collaboration today, he added.

Deliberating on Changes in Labour Codes

CII Madurai Zone, in partnership with National Institute of Personal Management Madurai Chapter organized a workshop on Labour Codes with Central and Tamil Nadu Rules – Key Changes on 23 July in Madurai. Mr Jaisinh Vaerker, Chairman, CII Madurai Zone spoke on the opportunities for growth of economy by improving the ease of doing business in states which the New Labour Codes would supplement.

Mr Ramakrishna Bhuyan, Labour Enforcement Officer, Government of India highlighted the measures taken by the Government in simplifying 29 laws into 4 labour codes without compromising on any compliance aspects. Mr K Varadan Chairman, NIPM Madurai Chapter spoke on economic reforms after 1995 and how globalisation induced the need for new revised labour codes.

Meeting with Consul General of the Republic of Indonesia



Round Table Meeting with Agus P Saptono, Consul General of the Republic of Indonesia in Hyderabad

CII Telangana organized a Round Table Meeting with H E Mr Agus P Saptono, Consul General of the Republic of Indonesia, Mumbai on 28 July in Hyderabad. The objective of the meeting was to understand and discuss the bilateral relations and trade opportunities between India and Indonesia; explore new areas for trade linkages and also to brief on their upcoming Tradexpo Indonesia 2022.

Mr Agus P Saptono said that the bilateral relationship between India and Indonesia stands strong but must extend beyond shared history and cultural linkages to new contemporary areas of strategic significance. He highlighted Indonesia's 3 prioritised focus areas – global health, digital transformation and energy. Mr C Shekar Reddy, Vice Chairman, CII Telangana and Chairman & Managing Director, CSR Estates Ltd, along with 15 key members attended the meeting which was very informative and interactive.

Learn from the Legend Series



Murugavel Janakiraman, Founder and CEO, Matrimony.com with other delegates at the CEO Talk Series in Erode from the Legend 2

CII Erode Zone organized a 'Learn from the Legend - CEO Talk Series' on key learning from my entrepreneurial journey' with Mr Murugavel Janakiraman, Founder and CEO, Matrimony.com on 26 July in Erode. Mr Murugavel shared his experience about how he managed to make Matrimony.com a big brand with presence across the country, and even abroad.

Mr Durai Palanisamy, Chairman, CII Erode Zone said that CII Erode has framed this series to have one speaker every month to talk on their success stories, benchmarking initiatives, business expansion, challenges, and scope on sector wise, he added.



WESTERN REGION

Promoting Madhya Pradesh as an Industrial Hub

Government of Madhya Pradesh in partnership with the CII organized an investment promotion roadshow on 21 July in Mumbai to showcase unique strengths and attract investments in the State. The Government of Madhya Pradesh is developing 10,000 acres of land to be available at concessional rates to investors for industrial purposes.

Mr Sanjay Kumar Shukla, Principal Secretary,



Sanjay Kumar Shukla, Principal Secretary, Department of Industry Policy and Investment Promotion, Government of Madhya Pradesh at Government of Madhya Pradesh Investment Promotion Roadshow in Mumbai

Department of Industry Policy and Investment Promotion, Government of Madhya Pradesh shared how Madhya Pradesh is emerging as the fastest growing State in horticulture and agriculture which is attracting food processing industries to come and set up their base in the State.

The Principal Secretary interacted with Consul Generals of various countries and had on-on-one meetings with prospective investors based in Mumbai.

Making Supply Chain Management Resilient

CII WR in association with Petronas Lubricants India organized an exclusive webinar on 'Supply Chain Disruptions: Impact on Global Economy' on 6 July.

The webinar involved discussions around the factors responsible for supply chain disruptions, global impact of the crisis, and the ways in which India and the world can navigate the situation to build long-term resilience against similar crises.

Ms Gauri Kirloskar, MD, Kirloskar Oil Engine Ltd said that supply chain management was in its golden age pre-pandemic when everyone assumed the world would always remain connected, and if the supply-demand dynamic remains the same, there will be market stability. The current supply chain disruption makes organizations more resilient which can either be a challenge or an eye-opener, she shared.

The key takeaway from the webinar was that Industry leaders believe that India is at the perfect stage to take advantage of the situation. Panellists suggested

that by regulating Government policies and having the flexibility to adjust to disruptions, we can guarantee a creative solution to work with.

Logistics and Supply Chain Leadership Conclave

CII Western Region organized the Logistics and Supply Chain Leadership Conclave on 13 July in Mumbai. This conclave enabled leaders from the logistics and supply chain sectors to discuss and take a deeper look into state-of-the-art technologies, ground-breaking strategies, supply chain optimization tools, sustainable green business practices and global supply chain networks.

Mr Amitabh Kumar, Director General of Shipping, Ministry of Ports, Shipping and Waterways, Government of India said that if India needs to develop as a logistics hub, there is a need is to devise ways and means to reduce logistics costs, help the industry grow and give a boost to exports.

Mr Shohab Rais, Chairman, CII WR Forum on Logistics & Supply Chain and COO, Tata Chemicals said that last-mile customer delivery is something which needs to be improved as we move along the journey of transforming India into a global logistics hub.



Delegates at Logistics and Supply Chain Leadership Conclave in Mumbai

ENGINEERING IMAGINATION

18th India Innovation Summit 2022

25 to 27 August 2022 | Hotel Taj West End, Bengaluru



KEY INDUSTRY SPEAKERS



MR KRIS GOPALAKRISHNAN
Chairman, CII India Innovation Summit and
Co-Chairman, Infosys Limited & Chairman,
Infosys Foundation



MR KAMAL BALI
Deputy Chairman,
CII Southern Region & President &
Managing Director, Vahan Group India Pvt Ltd



MR ARJUN M RANGA
Chairman, CII Karnataka State Council & Director,
MR Group & MD, Coda-Park Agencies



MR RAMESH RAMADURAI
Past Chairman,
CII Karnataka State Council & Managing Director, Jai Hindustan



MR VIJAYKRISHNAN VENKATESAN
Vice Chairman,
CII Karnataka State Council & Managing Director, Ramkrishna



DR GOPICHAND KATRAGADDA
Founder & CEO, Matter Foundry



MR DILIP JOSE
Chairman, CII National Committee on Healthcare &
CEO & Managing Director, Hospital Healthcare



MR KARSTEN MUELLER
Executive Vice President,
Head of Manufacturing Services and Quality,
Bosch India & Head of Manufacturing Operations Powertrain Solutions India



MR ALOK NANDA
Managing Director & CEO,
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16th EDITION OF CII - NATIONAL AWARDS FOR EXCELLENCE IN WATER MANAGEMENT 2022

ABOUT AWARDS

- CII National Awards for Excellence in Water Management have been recognizing industry for its contribution in making a Water Secure World - be it through their operations, innovations, or CSR activities.
- For over a decade, CII-National Awards for Excellence in Water Management have been celebrating and awarding good and innovative water conservation & management practices undertaken by industries from varied sectors.
- Since inception, these Awards have recognized over 550 industries - both public and private, for their initiatives towards Efficient Water Management.

WHY TO APPLY

- Get recognised and awarded for "Innovation and Excellence" in the field of water resource management.
- Knowledge sharing and peer learning of good water management practices adopted by participating companies.
- Interact & network with individuals and companies from diverse sectors.
- Get featured in CII Publication which is exclusively shared with eminent decision makers in the country.
- Identify strengths and opportunities to excel in Water management.
- Get comprehensive assessment report.

AWARD CATEGORIES



WITHIN THE FENCE

The award recognises companies who have done well with respect to improving water use efficiency and have an integrated approach for wastewater management system which includes recycle, recovery and reuse of industrial effluents.



BEYOND THE FENCE

The award recognises work done by companies at watershed level with communities for improving state of water resources, along with enhancing opportunities for livelihoods and socio-economic development including any other CSR activities related to water.



INNOVATIVE WATER SAVING PRODUCT

The award recognises companies involved in manufacture of water efficient equipment or products, which have an impact on water management, either by reducing freshwater consumption or enhancing wastewater recycling/reuse and recovery.

Note: MSMEs are encouraged to apply under any category. They will be assessed & compared with other MSMEs.

APPLICATION OF INTENT 2022 - OPEN NOW

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For any clarifications or information,
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