



# SHOWDAILY™

THE OFFICIAL DAILY NEWSPAPER OF IESS VIII  
14-16 MARCH, 2019 • CHENNAI TRADE CENTRE, CHENNAI



Ministry of Commerce & Industry  
Ministry of Micro, Small & Medium Enterprises  
Department of Heavy Industry  
Department of Scientific and Industrial Research  
Government of India

ORGANISER



ENGINEERING THE FUTURE

HOST STATE



GOVERNMENT OF TAMIL NADU  
TAMIL NADU  
TAMIL NADU

MALAYSIA PARTNER COUNTRY 2019



MARI  
MALAYSIA AUTOMOTIVE ROBOTICS & IOT INSTITUTE  
Ministry of International Trade and Industry  
Phonetic: Koo-ee Ma-lee Ah-mee-ee Ma-lee

PARTNER STATE



GOVERNMENT OF UTTAR PRADESH  
GOVERNMENT OF UTTARAKHAND

FOCUS STATES



GOVERNMENT OF JHARKHAND  
GOVERNMENT OF MADHYA PRADESH  
GOVERNMENT OF UTTARAKHAND

ASSOCIATE



INDIA DESIGN MARK  
GOVERNMENT OF INDIA

FOCUS REGION



FLANDERS INVESTMENT & TRADE  
UFI  
Indian engineering

DAY 2  
15 MARCH 2019  
FRIDAY

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CONTENT & DESIGN



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## GOING GLOBAL

# Towards Greater Heights

IESS VIII has shaped up in a big way with Malaysia as the Partner Country for the first time; Tamil Nadu as the Host State for the third time; Uttar Pradesh as the Partner state; Uttarakhand, Jharkhand and Madhya Pradesh as the Focus States; and Flanders as the Focus Region.



IESS 2019 declared opened in the august presence of industry veterans

To lend an exciting start to IESS 2019, industry stalwarts showed up in a huge number, adding grace to the inaugural ceremony. The august gathering was comprised of Malaysian dignitaries including HE Dato Hidayat Abdul Hamid, High Commissioner of Malaysia; Dato' Madani Sahari, CEO, Malaysia Automotive Robotics & IOT Institute (MARII); and Datuk K Talagavathi, Deputy Secretary General, Ministry of International Trade and Industry

(MITI), Government of Malaysia; Dr Anup Wadhawan, Commerce Secretary, Government of India; BS Bhalla, Joint Secretary, Ministry of Commerce & Industry, Government of India; DP Yadav, Secretary to Government of Tamil Nadu (MSME Department); Ravi Sehgal, Chairman, EEPC India; Suranjan Gupta, Executive Director, EEPC India; Arun Kumar Garodia, Vice Chairman, EEPC India; Mahesh K Desai, Sr Vice Chairman, EEPC India; and Rakesh Shah,

Former Chairman, EEPC India & Chairman PED, EEPC India. In his welcome address, Sehgal said, "India's engineering exports account for 25 percent of India's total exports and is likely to achieve a record exports of \$80 billion in goods in the current fiscal. The government's policy must support export oriented manufacturing. Our Vision 2025 is to take the export from \$80 billion to \$200 billion by 2025." Wadhawan reflected on the challenges Indian MSMEs are current-

ly facing and the government's efforts to eliminate those issues. "All the critical components of modern manufacturing are being addressed in the IESS VIII exhibition. India has the potential to supply most sophisticated engineering components to the world. IESS is creating a great platform to display India's capability."





Dignitaries gracing the opening ceremony of IESS VIII



MoU signed between EETPC India and MARii

### MoU between Malaysia Automotive Robotics & IoT Institute and Engineering Export Promotion Council of India

According to the MoU between Malaysia Automotive Robotics & AIIOT Institute (MARii) and Engineering Export Promotion Council of India (EETPC India), both the organizations will have the agenda to look for companies that operate in their respective countries in the fields of Automotive, Robotics and IoT and make them form joint ventures. Emphasis will be given on exchanging ideas through frequent visits and meets between the company representatives of both the countries. More exhibitions or technology-focused symposiums are to be organized on Robotics, IoT, Machine Learning and so on.



Dignitaries taking a tour of the Technology Pavilion

### Tamil Nadu, the ideal host

The state has been chosen to play host to the premium event owing its standing and the opportunities it offers. It is the second largest economy in India and ranks first in terms of Industrial Performance, Investment Potential in India and in total number of MSME units in India. Tamil Nadu accounts for the largest number of (15.07 percent) MSEs in the country with 6.89 lakhs registered MSMEs, producing over 8,000 varieties of products for a total investment of more than ₹32,008 crore.

### Collaboration is the key

On Malaysia being the Partner Country in this edition of IESS, Yadav commented, "We will have a government to government interaction with Malaysia as 30 percent of Malaysian population are Tamils.

Tamil Nadu government is also working to build an export promotion organization for MSMEs. Post which it will be working to further promote MSMEs from abroad." Datuk K Talagavathi stressed on strengthening of the bond between the two countries. "The presence of the Malaysian manufacturers in the Indian automobile sector is quite significant. India is the major trade partner for Malaysia. The collaboration today will bring several opportunities for both of us," she stated. Referring to the trade between the two important ports of the countries- Malacca in Malaysia and Kanchipuram in Tamil Nadu, Desai said, "IESS VIII will again revitalize that old trade practice. Both Malaysia and India are moving towards a highly automated industry. The efforts, through IESS, will accelerate the process."



Percussionist Darshan Joshi awed the audience with the sound of engineering objects used in day to day life such as Motorcycle Silencer, Bend Pipe, Inverter, Battery and Pumping Motor

### DELEGATE VIEW

#### "Indian Technologies on par with European ones"

I have been coming to several Indian exhibitions, including IESS, for about 15 years. IESS is especially interesting as its focus is on the development of MSMEs. I believe India has changed a lot in the last few years – not only in terms of technology, but also in terms of interacting and dealing with customers from other countries. Going to European countries from Sri Lanka to explore the right technologies is an expensive and time-consuming affair. I recommend my country's MSMEs to visit Indian exhibitions and track the right vendors for sourcing technologies as I am completely convinced of the technologies being offered by the Indian manufacturers. I am also highly pleased to see the way organizers put their effort to make their trade shows successful. They start working on the project even before a year. Really amazing!"

**Jude Rodrigo**  
Managing Director  
Executive Committee Member of the  
SAARC CCI SME Council  
Bopitiya Auto Enterprises



## Conference Schedule

Time	Conference Room B, Convention Centre	Conference Room C, Convention Centre	Conference Room D, Convention Centre	Conference Room E, Hall 2 & 3	Conference Room F, Hall 1
15-03-2019: Friday					
10:00 - 13:00		Vendor Development Meet with Indian PSUs	Seminar on 'Promoting Smart Manufacturing in Clusters'	Session on Industry 4.0 – The Indian Perspective	Global Sourcing Meet by Malaysia
14:30 - 17:30		Good Design Seminar & India Design Mark Awards 2019	Ayurtech Conference	Awareness Program on Leveraging Trade Agreements to Boost Engineering Exports	

**INSIDER'S TAKE**

# Facilitating Growth

**Suranjan Gupta, Executive Director, EEPC India, reflects on the importance of IESS in strengthening India's global standing in the engineering space and the instrumental role EEPC India plays.**

“EEPC India, for decades, has played a lead role in building the Brand India image by organizing exhibitions around the globe. IESS, with its unique concept, aims at reducing dependence on traditional markets, developing internal markets within India, forging partnerships and joint ventures, strengthening commercial relations and accelerating trade between India and its trading partners and providing a platform for foreign companies to showcase their strength and capabilities in a large developing market,” notes Suranjan Gupta, Executive Director, EEPC India.

Organized by the Ministry of Commerce and Industry, Government of India, with EEPC India as the lead agency, the first IESS in 2012 proved to be an appropriate opportunity for EEPC India member companies to explore global business alliances and network with leading industry doyens of the world. The exposition in Mumbai created a platform for exporters of engineering products and services to build business contacts with leading importers, buyers, dealers, distributors and wholesalers of engineering products from North America, Europe, Africa, Latin America, ASEAN, Australia, New Zealand and the CIS Countries. Another major objective was to highlight India as the Technology Hub for the manufacturing industry and for outsourcing a wide range of high-quality engineering items at highly competitive rates.

## ‘Brand India Engineering’

“‘Brand India Engineering’ is an initiative being implemented by EEPC India under the aegis of the Ministry of Commerce and Industry, Government of India, in close cooperation with the industry to enhance Indian engineering exports, by highlighting and showcasing ‘Made in India’ products and their capabilities in the global market,” shares Gupta.

The initiative involves a 360-degree approach in promoting the branding of Indian engineering products. The Electrical Machineries, Equipment

and Components sector as one of the four focus sectors under ‘Brand India Engineering.’

## Technology upgradation, a must

Sharing the idea behind housing the ‘Innovation & Technology’ Pavilion in this edition of the show, Gupta says, “For the engineering industry to be developed, technological upgradation plays a vital role. For the Indian engineering industry to move up in the global value chain and to show its ability to compete in the global market, constant focus on technological upgradation through innovation and R&D is the first and foremost requirement.”

India ranks third among the most attractive investment destinations for technology transactions in the world, lies among the topmost countries in the world in the field of scientific research and is currently positioned as one of the top five nations in the field of space exploration. The country accounts for 27 percent of Asia's new innovation centers, he informs.

With a target of achieving 5 percent share in global growth by the year 2022, the Ministry of Commerce and Industry, Government of India has begun a technological upgradation initiative for boosting engineering manufacturing and exports through EEPC India as the lead implementing agency. “In line with the initiative of the ministry, EEPC has already set up a Technology Center in Bengaluru, the first such initiative by any Indian EPC and another one in Kolkata is on the verge of being set up. Therefore, technology has been on the focus of EEPC India and that induces us to keep a separate pavilion on Innovation and Technology for the last couple of years,” adds Gupta.

## Surpassing last year's success

IESS VII was the biggest platform for the Indian exporters to widen their client base and develop their businesses across the globe as



Source: EEPC India

» For the Indian engineering industry to move up in the global value chain, constant focus on technological upgradation through innovation and R&D is the first and foremost requirement. «

**Suranjan Gupta**  
Executive Director  
EEPC India

the largest Trade and Investment Show in South India. It witnessed 14 sessions, more than 95 speakers, over 500 delegates from 100 nations, more than 300 exhibitors and 10,000 business visitors. Reminiscing last year's innovations and developments, Gupta shares, “Subcontracting Expo, EEPC Mitra- Humanoid, Arjun Mark II Tank were the new attractions last year. Four MoUs were signed – three MoUs were signed by EEPC India; one with the Association of Small and Medium-sized Enterprises and Crafts of the Czech Republic (AMSP), the second with National Institute of Design (NID), and the third with the MSME Department of Tamil Nadu Government for organizing IESS VIII in Chennai.

The fourth one was between Czech company Chemoprojekt and Indian company Accuspeed Engineering Services India Ltd.”

“Based on the feedback of 267 out of the over 300 exhibitors, 10,671 contacts were made with an average of around 55 contacts per participant, \$16,200 worth of total orders and \$7,19,102 worth of total enquires were generated. 84 percent of the respondents found the Business Visitors excellent and 76 percent rated Business Deals highly satisfactory and they looked forward to IESS VIII,” he adds.

This year, with over 400 delegates from 52 countries, five international exhibitors and over 300 Indian exhibitors, IESS VIII is geared up to surpass its past success.



**TEAMING UP**

## Partners in Growth

This edition of IESS has Malaysia as its Partner Country. Hence, with the view to present the opportunities of further international partnerships and collaboration between Malaysia and India's automotive industries, foster and facilitate better understanding of each other's markets, solidify technology and knowledge transfer between businesses, India-Malaysia Business Forum was held yesterday.

As per official figures (DIPP), Malaysia is currently the 25<sup>th</sup> largest investor in India with FDI inflows of \$829.17 million from April 2000 to December 2016. Malaysia has also undertaken \$6 billion worth of projects in India.

According to Malaysian Investment Development Authority (MIDA), from 1980 to 2016, Indian companies have invested in 242 manufacturing projects over \$2.62 billion in Malaysia including 8 projects in 2016 for \$297 million. There are over 150 major Indian companies, including more than 60 IT ventures, operating in Malaysia.



Source: Magic Wand Media Inc

**HAND IN HAND**

## Strengthening Indo-Czech Ties

On the inaugural day of IESS VIII, a preparatory meeting was held on the 6<sup>th</sup> Indo-Czech Joint Working Group on Heavy Engineering and Advanced Manufacturing which was attended by a high-level delegation of Indian officials and Czech Republic counterparts and industry leaders. The meeting focussed on key issues like inviting overseas companies to set up operations in India, localization of production and technology transfer.

The meeting laid the foundation for the 6<sup>th</sup> meeting of Indo-Czech Joint Working Group on Heavy Engineering and Advanced Manufacturing to be held later in the year at Brno, Czech Republic during the 61<sup>st</sup> International Engineering Fair (MSV 2019).



Preparatory Meeting on the 6<sup>th</sup> Indo-Czech Joint Working Group on Heavy Engineering & Advanced Manufacturing in progress

Source: Magic Wand Media Inc

**COMING TOGETHER**

## Malaysia showcases its Automotive Strength

As a Partner Country to this year's edition of the IESS, the Malaysia Pavilion showcases around 100 Malaysian companies to represent the capabilities of the country's automotive sector that make it unique.

As both Malaysia and India are moving towards a technology-driven automotive industry equipped with shared mobility, connectivity, electrification and autonomous driving, the Malaysian presence at the IESS creates an important platform to expand business operations between both countries, including the exchange of knowledge and technology and human capital development.

### Thriving export

The year 2018 was a strong year for the country's automotive industry, as exports showed overall improvement by reaching record-breaking figures in Completely Built Up (CBU) vehicles parts and components exports, and remanufactured parts and components. CBU vehicles breached the RM2 billion mark for the first time, recording an amount of \$0.5 billion,

compared to 2017's figure of \$0.25 billion, translating to a 50 percent increase year on year.

Malaysia has continuously recorded increase in parts and components export since 2014, currently standing at a historic figure of RM12.1 billion (\$4 billion) in 2018, breaching the \$4 billion mark for the first time. Parts and components exports have shown the highest improvement in exports, growing from RM4.7 billion in 2014, to RM12.1 billion in 2018. Parts and components manufacturers in the country are into the manufacturing of bumpers, steering columns, engine control units (ECU), air-conditioning systems, switches, tyres, infotainment

systems, interior plastic trims and rubber components to name a few. The remanufactured parts and components sector also showed a continued increase in exports, recording a total of RM523.1 million (\$130 million) worth of remanufactured parts exported. This is a steady increase year on year since Malaysia Automotive, Robotics & IoT Institute (MARII) started reporting the sector's performance in 2016. Remanufactured parts and components include alternators, compressors and starters. All three export segments – CBU (RM2.08 billion), automotive components and parts (RM12.1 billion) and remanufactured parts (RM523.1

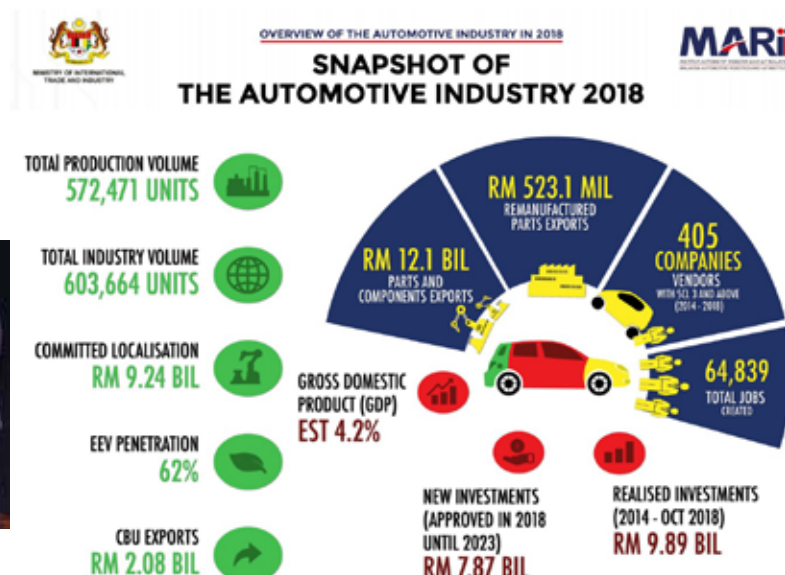
million) recorded its highest ever achievement in history.

### Getting Industry 4.0-ready

In October last year, Tun Dr Mahathir Mohammad, Prime Minister of Malaysia, launched the National Policy in Industry 4.0 – Industry4WRD, Malaysia's response to the call for digital transformation of the manufacturing sector and its related services by facilitating companies to embrace Industry 4.0 in a systematic and comprehensive manner, and be smarter and stronger driven by people, process and technology. Through MARII, the Malaysian government has also begun to identify and transform Malaysian automotive companies towards achieving Industry 4.0-ready status through the Industry4WRD Readiness Assessment (RA) and Intervention Program (IP).

"As in 2019, MARII has implemented nine Industry 4.0 pillars that enhance the economic fundamentals for the automotive industry players," explained Madani Sahari, Chief Executive Officer, MARII.

These pillars include incubation and facilitation of businesses in highly demanding technology areas such as smart manufacturing execution, digital engineering, big data management, additive manufacturing, cloud computing and cybersecurity, he further explained.



Industry 4.0 framework is expected to spur continuous growth of Malaysian auto sector

Source: MARII



## TACKLING ISSUES

## Seeking Sustainable Solutions

The engineering sector in India attracts immense interest from foreign players as it enjoys a comparative advantage in terms of manufacturing costs, technology and innovation. The above, coupled with favorable regulatory policies and growth in the manufacturing sector, have enabled several foreign players to invest in India. However, many challenges dominate and hamper the growth. To deliberate upon the challenges and setbacks being faced by the Indian engineering fraternity and come up with sustainable solutions to excel in the competitive global scene, 'CEO Roundtable: Policy Makers to Nation' was held at IESS 2019 that was attended by Dr AR Sihag, Secretary, Department of Heavy Industry, Government of India; Sukriti Likhi, Joint Secretary, Department of Heavy Industry, Government of India; BS Bhalla, Joint Secretary, Department of Commerce, Ministry of Commerce and Industry, Government of India. This CEO roundtable is a step towards increasing the gains and minimizing the losses.



Source: Magic Wand Media Inc.

## WORKPLACE IMPROVEMENT

## Towards Efficiency

To guide the Indian Capital Goods Manufacturers on the 5S philosophy to increase their efficiency, a seminar was arranged yesterday at IESS 2019 that was attended by industry representatives, Government representatives in partnership with Department of Heavy Industry, Government of India. The 5S comprises Seiri (sort), Seiton (set in order), Seiso (shine), Seiketsu (standardize) and Shitsuke (sustain). Currently, 'Safety' and 'Security' have been added as extra measures, making it '5S + 2S'. It is a Japanese concept developed to overcome challenges associated with workspace organization and encourage an effective work environment for utilization of material resources for workers.



Source: Magic Wand Media Inc.

## MAKING CONNECTIONS

## Thriving with Opportunities

With the view to focus on the tremendous investment opportunities in India, EEPC India organized a 'Global Investment Forum - A Seminar on Inbound and Outbound Investment Opportunities from India' on the first day of IESS 2019. The seminar had industry experts expounding on the strengths of and investment opportunities in the Indian states including Jharkhand, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Tamil Nadu, and Belgium's county Flanders, and Partner Country Malaysia.



Source: Magic Wand Media Inc.

## SPREADING AWARENESS

## Vendor Development Meet

Vendor Development Meets make for an ideal platform for MSMEs to explore the requirements of the larger units. Hence, with the aim to provide business opportunities to MSMEs to expand their market base in government / public sector undertakings and large scale industries, and to bring MSMEs and PSUs on a common platform for a business exchange, EEPC India yesterday organized a vendor development program during IESS 2019. EEPC promotes vendor development program for four PSUs in India: Vizag Steel, Hindustan Petroleum Corporation Ltd, Brahmaputra Cracker and Polymer Ltd, and Western Coalfields Ltd.



Source: Magic Wand Media Inc.

## LOAD AND TENSION INDICATORS

# Diversification is the Key

**B**irdman Chemeng Pvt Ltd is keen to exploit the opportunities that are to arise out of participating in IESS VIII. "We look forward to meet people from our line of business or others that may give us an idea for further diversification," says Rajat Subhra Chatterjee, Chief Executive, Birdman Chemeng. The company is in the business of manufacturing load and tension indicators that are generally used in railways and heavy industries. At the exhibition, the company is showcasing manually-operated Stainless Steel Load Indicators and Electronic (Digital) Dynamometers



Source: Birdman Chemeng Pvt Ltd

» We look forward to meet people from our line of business or others that may give us an idea for further diversification. We are keen to exploit the opportunities that are to arise out of participating in IESS VIII.«

**Rajat Subhra Chatterjee**  
Chief Executive  
Birdman Chemeng Pvt Ltd

with Remote Control Readout Unit. These are considered as new additions to load and tension measurement and industry facilitators.

**Birdman Chemeng Pvt Ltd**  
Hall: 1, Stall: H-11  
[www.birdmancpl.com](http://www.birdmancpl.com)



Source: Birdman Chemeng Pvt Ltd

## INDUSTRY 4.0

# Turning Smart

« IISc is developing two contrasting platforms – an automation-intensive platform for high-value manufacturing to showcase what networked automation can offer, and a labour-intensive platform for high-impact manufacturing that uses smart solutions to empower labour for the majority of MSMEs," says Prof Amaresh Chakrabarti, Chairman, CPDM, IISc, Bangalore. "The event gives us an opportunity to connect with visitors from MSMEs and instill awareness in them on I4.0India@IISc," he adds.

## Spreading awareness

At IESS VIII, IISc is showcasing its Smart Multi Material Tracking Resource Bin which has been designed for collection and quantification of the waste generated during production which can be deployed at critical waste generation stations. Using this product, manufacturers can collect data on the wastage of raw material, track it efficiently and take appropriate actions to improve their process and reduce waste which will lead to cost reduction.



Source: Indian Institute of Science (IISc), Bangalore

» IISc expects to get networking and industry partnership opportunities with various industries and MSMEs in the urban sector, especially in aerospace, medical, automobile and many other relevant domains.«

**Prof Amaresh Chakrabarti**  
Chairman, CPDM  
Indian Institute of Science (IISc),  
Bangalore

**Indian Institute of Science (IISc), Bangalore**  
Hall: 2 & 3, Stall: H2-K07, J08-I  
[www.cpdm.iisc.ac.in/smartmanufacturing/](http://www.cpdm.iisc.ac.in/smartmanufacturing/)

## SUBMERSIBLE PUMPS

# Pumping it Up

**F**or Pushkar S Kulkarni, DGM, Marketing and Exports, Darling Pumps Pvt Ltd, IESS is a global event that attracts quality visitors. He considers the event an ideal platform to exhibit the company's wide range of products. "IESS is where we get the opportunity to connect with leading global importers, engineering companies, pump resellers, etc. Our aim is to connect with like-minded businesses and associate with them for long-term mutual benefits," he adds. The company also wishes to explore possibilities of tie-ups with global channel partners to promote and market its products. At IESS VIII, Darling Pumps is mainly showcasing its dewatering pumps, slurry handling pumps, sewage/effluent pumps and raw water pumps. "Our pumps cater to the entire spectrum of applications in water and waste water, sewage steel, power, infra and marine sectors. They are equally popular in industrial, municipal, agricultural and domestic water pumping as well," informs Kulkarni.



Source: Darling Pumps Pvt Ltd

» IESS provides the opportunity to connect with leading global importers, engineering companies, pump resellers, etc. Our aim is to connect with like-minded businesses and associate with them for long-term mutual benefits.«

**Pushkar S Kulkarni**  
DGM - Marketing & Exports  
Darling Pumps Pvt Ltd

**Darling Pumps Pvt Ltd**  
Hall: H1, Stall: H-12  
[www.darlingpumps.in](http://www.darlingpumps.in)

## TECHNOLOGY TRANSFER

# Aiding Growth

« The exhibition creates avenues for identifying potential industry partners for the transfer of technology and help CMTI raise its brand awareness and bag business deals," says Dr N Balashanmugam, Joint Director, CMTI.

## Exhibition focus

At IESS VIII, CMTI is displaying a wide range of technologies and products for technology transfer to industries. This includes Ultra Precision Diamond Turning Machine, Abrasive Flow Finishing Machine, SUKSHM 3D Microfabrication System, Hydrostatic Slide and a spectrum of special purpose machines for various applications. The institute's special focus is on sectors including machine tools, aerospace and space technologies.

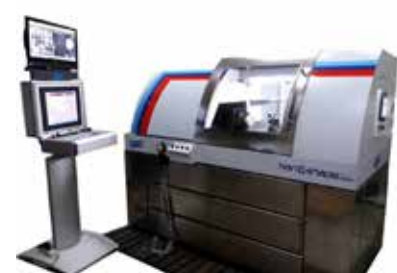


Source: CMTI

» IESS 2019 provides us an opportunity to meet a large number of prospective business partners from various industries at one place. The show is expected to raise CMTI brand awareness further.«

**Dr N Balashanmugam**  
Joint Director, CMTI

**Central Manufacturing Technology Institute (CMTI)**  
Hall: 2, Stall: K-05, J-06  
[www.cmti-india.net](http://www.cmti-india.net)



Source: CMTI



## MOTION CONTROL & AUTOMATION TECHNOLOGY

## Showcasing Strengths

**Gears and Gear Drives (India) demonstrates its wide array of products with Motion control and Automation, Power transmission, and Mechatronics technologies.**

**S**eshagiri Ramachandra, CEO and Managing Director, Gears and Gear Drives (India) Pvt Ltd, believes IESS show helps the company establish contacts with local and foreign players to generate sales leads and improve customer base. "We are showcasing our specialized products in different technologies including Motion control and Automation, Power transmission, and Mechatronics," he states.

The company is showcasing its wide range for products including Screw Jacks, Bevel Gearbox, Universal Joints, Column Lifts, and Worm Reducers that find applica-

tions in a slew of industries including Printing, Power, Packaging, Pharmaceutical, Rubber Processing, ERW Tube Welding, Grain Processing plant, Cooling Towers, Solar Panels, Ceramic Industry, Elevators, Extruders, Binding Equipment, Conveyor Drives, Material Handling, Waste Water treatment, Agricultural Machinery, Wood Working Machine, Slitting Line and Sugar etc.

## The company

Gears and Gear Drives (India) is a global engineering company that is innovatively engaged in providing total engineering solutions from design to manufacturing for over 30

years in the areas of Power Transmission, Mechatronics, Motion Control and Automation, exporting to the USA and European countries. "We are an ISO 9001-2015 certified company, manufacturing CE certified lifting systems and a member of AGMA (American Gear Manufacturers Association)," adds Ramachandra.

“Our Power Transmission Products are supplied to machine builders and end-users in diverse industries. Our Custom Engineered Products are supplied to major manufacturers and designers of Renewable Energy, Pulp & Paper, Antennas, Steel, Printing, Aerospace, Agricultural.



Source: Gears and Gear Drives India Pvt Ltd

» IESS show helps us establish contacts with local and foreign players to generate sales leads and improve customer base.«

**Seshagiri Ramachandra  
CEO  
Gears and Gear Drives (India)  
Pvt Ltd**

Pharmaceutical, Defence, and Packaging Industries,” he shares summing up.

**Gears and Gear Drives (India) Pvt Ltd**  
**Hall: H2, Stall: M-19**  
**[www.ggdipl.com](http://www.ggdipl.com)**

## GEARBOXES

# HiTork Compact Bevel Gearboxes

**The compact Bevel Gearboxes by Gears and Gear Drives (India) can provide lifetime lubrication, least noise operation, high efficiency, and long service life.**

**G**lobal engineering company Gears and Gear Drives (India) Pvt Ltd is innovatively engaged in providing total engineering solutions - from design to manufacturing - in the areas of power transmission, mechatronics, motion control and automation. The company is a market leader in India, manufacturing screw jacks, universal joints,

solar actuators, bevel gearboxes and many more.

It offers high-quality, custom-built gearboxes for a myriad industries. Its Compact Bevel Gearboxes promise lifetime lubrication, noiseless operation, high efficiency, and long service life.

They are available in cast-iron, SG - Iron aluminium and stainless steel. Food grade versions are also

available. There are special ones for operations ranging from  $-40^{\circ}$  to  $+70^{\circ}$  C. Straight and Spiral Bevel Gear versions are available.

## How Bevel Gearboxes work

In the field of power transmission, Bevel Gearboxes have a special place because of their ability to change the direction of power transmission, usually to 90°. They can



Source: Gears and Gear Drives (India) Pvt Ltd

» We have been consistently growing by resorting to the latest in techniques for real-world product solutions in Gear Technology. We provide high-level customization to offer products that are strong and reliable. Our competitive pricing and best quality conformance help us enjoy a unique place in the industry.«

**Karthik Seshagiri**  
**Executive Director**  
**Gears and Gear Drives (India)**  
**Pvt Ltd**

also transmit high torque at high speed with low power loss unlike worm gearboxes. Gears and Gear Drives (India) offers straight bevel gearboxes of different versions and ratings, enabling appropriate solutions to all kinds of power transmission industrial needs.

**Gears and Gear Drives (India) Pvt Ltd**  
**Hall: H2, Stall: M-19**  
**[www.ggdipl.com](http://www.ggdipl.com)**

**Power Transmission Product**

## Miter Gearbox

**FG**

1 Input / 1 Output

**FGB**

Horizontal Mounting

Vertical Mounting

1 Input / 2 Output

**FGH**

1 Solid Input / Hollow Output / Solid Output

**FGF**

With Motor Mounting Flange

Hollow Input Solid Output

**FGHF**

Hollow Input Hollow Output

**Available Types**

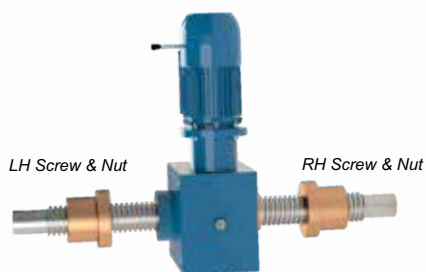
- 2 Way - Types A, B, C, D
- 3 Way - Types E, G, (F-special)
- 4 way - Types H, J, (I-special)
- Hollow Output shaft - Types K & M

**Available Ratios**

Straight Bevel	1:1, 1.5:1, 2:1
Spiral Bevel	1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1

# Customised Motion Technology Products, Power Transmission Products Real World Solutions from **Gears and Gear Drives (India) Pvt Ltd**

**Jacks with LH and RH screws**



To know more about these  
Products visit now

**Hall No. H2- M19**

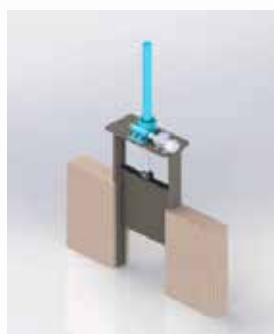
**Jacks with Guides**



**Jacks with Torque Limiter**



**Sluice Gate-Screw Jack**  
specially designed  
for or Water DAM Project



**Linear Actuator for**  
Vegetable Cleaning  
Machine



**Jacks with Safety Nuts**



ISO : 9001 - 2015



Member of  
AGMA

- Motion Drive Technology
- Power Transmission Technology
- Mechatronics Technology
- Lifting Systems & Plants Technology

*We Welcome  
Business Heads  
Representatives  
Distributors*

**Sector Gear**



Used in Gun control equipment  
for heavy artillery

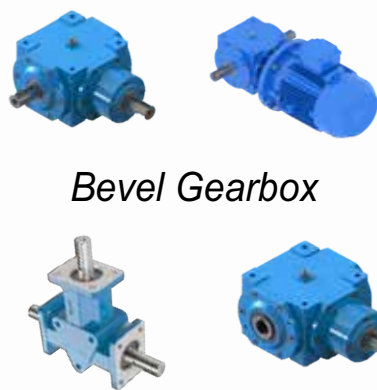
**Defence Products**



**Outrigger**



**Power Transmission Products**



**Bevel Gearbox**

**Universal Joints**



**Bevel Gears**



**CE certified Lifting Systems**

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