



सत्यमेव जयते

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FROM THE DESK OF CONSUL GENERAL



Dear friends,

It is my pleasure to present the latest edition of the Commercial Newsletter of Consulate General of India, Frankfurt, covering important developments in India and Germany.

As the world still going through challenges of supply chain crisis and availability of semiconductors, two significant developments in these areas took place in India. Firstly, the Government of India launched National Logistics Policy aiming to ensure quick last mile delivery and saving time and money of the manufacturers. Secondly, the signing of MoU between the Gujarat state and Vedanta-Foxconn Group is expected to be a milestone for addressing the semiconductor shortage. Besides, as a step towards capacity building in renewables, the Government of India approved a Production Linked Incentive Scheme on 'National programme on High Efficiency Solar PV Modules'. Also, the German government brought out additional measures for expansion of the renewable energy and introduced a draft law aiming to supplement its plans for generate 80% of electricity supply by renewables by 2023.

On the trade and commerce front, Indian participations in German trade fairs namely Automechanika and Eisenwarenmesse have been impressive. In India, International Exhibition for Pharma & Healthcare (iPHEX) hosted 400 exhibitors from 120 countries. 7th edition of Bengaluru Space Expo also witnessed very encouraging participation.

The newsletter includes an interview with Mr. Matthias Henke, Managing Director, CTO ,TS Henschel Fertigungstechnik GmbH. Mr. Henke has shared his views on the long-standing relationships with the Indian business partners and potential areas for Indo-German collaboration.

As part of the ongoing Azadi ka Amrit Mahotsav celebrations, our guest in the series 'Indian Achievers' is Mr. Lalit Vashista, Founder and CEO Diva Envitec. Mr. Vashista has highlighted changing focus of Governments on net zero goals providing immense scope of growth in green hydrogen, green ammonia and EV batteries.

Kindly send your feedback to us via email on [com1.frankfurt@mea.gov.in](mailto:com1.frankfurt@mea.gov.in). Your suggestions and ideas would help us make the newsletter more interactive and useful.

Yours sincerely,  
Amit Telang

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### The German government introduces steps to boost renewable energy expansion

The German government plans to launch additional measures to boost the expansion of the renewable energy. A new solar power tender and improving biogas plant regulations are part of the draft law.

The German government is increasing its efforts to accelerate its transition towards green energy. In July, the parliament backed a law, which proposes to expand renewable energy and aims to have 80% of the country's electricity supplied by renewables by 2030. The new draft law aims to address the gaps in that bill and also in other energy regulations.

The government plans to launch an additional "special crisis" tender for 1,500 megawatts of solar output in January 2023 and to scrap production limits for smaller solar power plants, the draft proposed.

It said the government will also create better funding regulations for the use of biogas plants until 2024 and introduce laws to accelerate expanding and strengthening the power grid capacity and efficiency. The draft changes the Energy Industry Act to improve utilization of the offshore network lines in the short and medium term.

Source: <https://www.reuters.com/>

### India-Germany Consultations on UN and Multilateral Issues

India and Germany held consultations on United Nations and other multilateral issues on 02 September 2022 in Berlin. Shri Prakash Gupta, Joint Secretary (UN-Political), Ministry of External Affairs (MEA), led the Indian delegation which also included officials from the Embassy of India in Berlin. Mr. Günter Sautter, Director General for International Order, the United Nations and Arms Control, German Foreign Office led the German delegation, which also included other senior officials of GFO.

In keeping with their strategic partnership, the two sides exchanged views on a range of UN and multilateral issues of mutual interest. Both sides briefed each other on their respective priorities for the upcoming 77th Session of the UN General Assembly. The German side was also briefed on India's initiatives during its upcoming Presidency of the UNSC in December 2022. As members of the G4 Grouping, both sides agreed to work together to accelerate the Intergovernmental Negotiations (IGN) on reforms of the UN Security Council, with an overall objective to achieve concrete outcomes in a fixed time frame. Both sides also agreed to continue deepening their multilateral cooperation on global issues of mutual interest, including on Counter Terrorism and UN Peacekeeping.

### Prime Minister Shri Narendra Modi inaugurates International Dairy Federation World Dairy Summit 2022



Prime Minister Shri Narendra Modi during the inauguration of the World Dairy Summit 2022

Prime Minister, Shri Narendra Modi inaugurated International Dairy Federation World Dairy Summit (IDF WDS) 2022 organised at India Expo Centre & Mart, Greater Noida, India.

The Prime Minister said that the World Dairy Summit is going to be a great medium for the exchange of ideas. "The potential of the dairy sector not only gives impetus to the rural economy, but is also a major source of livelihood for crores of people across the world", he said.

The Prime Minister pointed out that India's dairy sector is characterized by "production by masses" more than "mass production". India is the largest milk-producing country on the basis of the efforts of these small farmers with one, two or three cattle. This sector provides employment to more than 8 crore families in the country, he informed.

Explaining the second unique characteristic of the Indian dairy system, the Prime Minister reiterated that there is such a huge network of Dairy Cooperative in India, and one cannot find such an example in the whole world elsewhere. Another unique feature, according to the Prime Minister, is the indigenous breeds that can withstand many adverse circumstances. As another unique characteristic, the Prime Minister highlighted the power of women in the dairy sector, the Prime Minister pointed out that women have a 70% representation in the workforce in India's dairy sector.

The Prime Minister said that the government is working on developing a blanched dairy ecosystem where challenges of the sectors are being addressed along with a focus on increasing production.

### The Government of Gujarat signs an MoU with Vedanta-Foxconn Group



The Government of Gujarat signed an MoU of ₹ 1.54 lakh crore with Vedanta-Foxconn Group for the manufacture of semiconductor and display fab. Hon'ble Prime Minister, Shri Narendra Modi has expressed optimism about this MoU. He pointed out that the investment will create a significant impact to boost economy and jobs while also help in creating a huge ecosystem for ancillary industries and thereby helping the MSMEs.

### Prime Minister Shri Narendra Modi launches National Logistics Policy



Prime Minister Shri Narendra Modi during the launch of the National Logistics Policy

Hon'ble Prime Minister, Shri Narendra Modi launched the National Logistics Policy (NLP) in New Delhi. Speaking on the occasion, the Prime Minister called the launch of the National Logistics Policy a significant step in fulfilling the 'Pran' of India being a developed country. "To ensure quick last mile delivery, end transport-related challenges, save time and money of the manufacturers, prevent wastage of the agro-products, concerted efforts were made and one of the manifestations of those efforts is today's National Logistics Policy", the Prime Minister said.

The Prime Minister said "the echo of Make in India and India becoming self-reliant is everywhere. India is setting big export targets and is also fulfilling them. The notion that India is emerging as a manufacturing hub, is stabilizing in the mind of the world. If we study the PLI scheme we will find that the world has accepted it."

In such a situation, the Prime Minister said, the National Logistics Policy will bring new energy to all sectors. He said that policy is a beginning and policy plus performance is equal to progress. When parameters, roadmap and timeline for performance come together then policy plus performance equal to progress emerges, he elaborated.

### Cabinet approves Production Linked Incentive Scheme on 'National programme on High Efficiency Solar PV Modules'

The Cabinet, chaired by Prime Minister, Shri Narendra Modi, has approved the Ministry of New & Renewable Energy's proposal for implementation of the Production Linked Incentive Scheme (Tranche II) on 'National programme on High Efficiency Solar PV Modules', with an outlay of Rs.19,500 crore for achieving manufacturing capacity of Giga Watt (GW) scale in High Efficiency Solar PV Modules.

The national programme on High Efficiency Solar PV Modules aims to build an ecosystem for manufacturing of high efficiency solar PV modules in India, and thus reduce import dependence in the area of Renewable Energy.

Solar PV manufacturers will be selected through a transparent selection process. PLI will be disbursed for 5 years post commissioning of solar PV manufacturing plants on sales of high efficiency solar PV modules from the domestic market will be incentivised. It is estimated that about 65,000 MW per annum manufacturing capacity of fully and partially integrated, solar PV modules would be installed.

### International Exhibition For Pharma And Healthcare(iPHEX)



The Pharmaceuticals Export Promotion Council of India (Pharmexcil) organized the eighth edition of the International Exhibition of Pharma and Healthcare in Greater Noida, India from 21<sup>st</sup> – 23<sup>rd</sup> September 2022.

Over 400 exhibitors presented their products during the exhibition, which was attended by more than 10000 visitors, more than 500 overseas business delegates from around 120 countries. The exhibitors showcased their products in the areas of :

- APIs and Intermediates
- Formulations
- Excipients and Custom Manufacturing
- Bio-Similars
- Ayush/Natural Extracts
- Nutraceuticals
- Diagnostics and Surgicals
- Healthcare Services (CROs, Clinical trials, R&D, Custom Synthesis)

### Bengaluru Space Expo

7<sup>th</sup> edition of the Bengaluru Space Expo was organized in Bengaluru from 5<sup>th</sup> – 7<sup>th</sup>, September, 2022. The Exhibition had participants from over 100 companies/organisations from around 15 countries, showcasing advanced technologies and products for the space sector. ISRO put up a large Pavilion, along with its various Centres in India, at the exhibition to highlight India's achievements in the space sector and future business opportunities for the private sector in this area.



**Mr. Matthias Henke, Managing Director, CTO ,TS Henschel Fertigungstechnik GmbH**

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CTO ,TS Henschel Fertigungstechnik GmbH**

Mr. Matthias Henke can look back at a career spanning more than 30 years at Henschel. The married father of two adult daughters began his career at Henschel after studying mechanical engineering at the TU Dresden. He gained experience in all areas of the company organization, including as Production Manager, Head of Production and Materials Management, Director of Sales and Design as well as in various management functions. He has had a lasting effect on the attributes of the Henschel brand.

Mr. Henke is a visionary who follows a successful company strategy with a high level of excellent, technical logic. Henschel is one of the world's leading manufacturers of drive technology in the fields of machine and systems construction and rail technology. Mr. Matthias Henke has made a conscious decision to rely on German engineering expertise, and targets the premium product sector of the market. With its high-class technical solutions, Henschel aims to continue making history for many years to come.

### Interview

#### 1) What products does TS Henschel GmbH offer?

From vehicles to systems and machines- Henschel develops products and special solutions for drives that are perfectly matched to the customer's overall system and economic objectives. In this case we develop systems that can also cope with unforeseeable requirements.

As a hotbed of German engineering, Henschel harnesses the best available knowledge in its core markets worldwide. We utilize this knowledge to create new solutions that secure our competitive edge in our markets. In order to do justice to each of these aspects, to this day we continue to take direct responsibility for everything we develop and produce, for this is critical to quality. Only those aspects that we ourselves can influence and implement directly and immediately are permitted to impact the reliability of our products, that are there:

1. Railway gearboxes
2. Extruder gearboxes
3. Special gearboxes
4. Melt pumps
5. Components
6. Service and maintenance

#### 2) Could you please share with us your experience of doing business in India?

Our experience in working with Indian business partners has a very long tradition. They go back more than 30 years and are based on mutual trust, successful partnership and, in some cases, personal friendships. This can be seen, among other things, in the exchange of young students and engineers from the families of our business partners at Henschel in Kassel, which lasts several months.

A particularly visible sign of successful, trusting cooperation is the signing of a license agreement for several types of extruder gearboxes from Henschel, very well-known especially in the plastics industry. These contracts now go back almost two decades and mark a decisive breakthrough of our partner as the recognized manufacturer of twin screw extruder gearboxes in India. On the basis of this joint partnership, the company was able to develop its own twin screw extruder gearboxes, which are now very successfully established in the Indian market, and to sell them in large quantities.

**3) What do you think could be the potential areas in which India and Germany could collaborate?**

In my opinion, potential areas of successful cooperation between India and Germany are the entire area of sustainable development of climate protection. Especially in technologies to reduce climate-damaging greenhouse gases. From Henschel's point of view, I see great potential through sustainable mobility for mass transport that is not in contrast to comfortable trains, passenger wagons, metros and subways or a potential partnership with Indian experts in the material circular economy in the recycling of plastics as an equally heroic challenge to preserve our earth for future generations of our children and grandchildren. Likewise, inexhaustible potential of joint projects is conceivable in various other fields of technology. From my point of view, driven in particular by Indian know-how, digitization offers a very large field of activity for joint activities.

**4) What are your future plans for TS Henschel GmbH, especially regarding operations in India?**

We are in a lively and constant exchange with potential partners in our traditional business areas for further joint cooperation on the already successful business - especially in the field of railway technology and plastics processing. We understand India's desire for a significant share of local value creation and welcome this also from the point of view of sustainability.

**Mr. Lalit Vashista, Founder and CEO, Diva Envitec**

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Mr. Lalit Vashista believes that nothing is forever, except change. A chemical process engineer, he's the Founder and CEO of Diva Envitec Pvt Ltd, a 30-year-old process engineering company.

Mr. Lalit Vashista, who holds a degree in chemical engineering from the National Institute of Technology, Rourkela, has also co-founded three other startups, EKOBARN Pvt Ltd, Diva NatuOrga Pvt Ltd, and Molipore Membranes Pvt Ltd, companies working in the composting, sustainable agriculture, and gas separation membrane manufacturing spaces respectively.

At Diva Envitec, he taps his process troubleshooting mindset to lead the team that creates bespoke solutions for all process engineering needs of the API, pharma, chemical, sugar, distillery, and wastewater sectors. His inventive approach, problem-solving outlook, and strong focus on UN SDG goals have helped the industry save millions of dollars in operational costs and improved the profitability of companies by reducing losses.

He is the Vice-Chairman of the Indian Institute of Chemical Engineers for the year 2021-23 and Director of the Indian Environment Association. He is also part of the Technical Cadre team for The Rotary Foundation.

### Interview

#### 1) What products does Diva Envitec Pvt Ltd offer?

Mumbai, India-based engineering company Diva Envitec Pvt Ltd focuses on a wide range of process improvement technologies for industry. Our philosophy is rooted in a steady transition to renewable energy and materials.

We help our customers save millions of dollars through green, energy-efficient processes and product recovery from waste streams. We deliver tech-based solutions and work closely with customer locations worldwide to solve operational challenges, improve processes, and reduce environmental impact.

Our range of solutions includes:

- CONTUFILT, the best product from our Filtration range, uses outside-in filtration to polish and remove precious metal catalysts from slurries. It incorporates a zero-liquid holdup element, saving valuable products due to no losses.
- PROMEM uses separation techniques such as Microfiltration, Ultrafiltration, Nanofiltration, and Reverse Osmosis. Separation happens at the molecular level, assisting in product recovery, colour removal, and COD removal.
- NANOPOREX, which uses cavitation principles for an efficient gas-liquid interface. The process increases mass transfer efficiency, reduces the consumption of gas losses and energy, and reduces many downstream processes.



- Our proprietary CATALYTIC HYDRO OXIDATION REACTOR (CHD-Ox) increases the efficiency of biological systems by combining of tailor-made catalysts and oxidants to produce OH-radicals. This reduces/breaks recalcitrant/toxic COD in water.
  - The Plug flow Continuous Hydro-Thermal Oxidation (PHT-Ox) tubular reactor is for refractory COD above 100,000 ppm. It works on the Wet Air Oxidation principle. It significantly degrades organic COD molecules in the pharmaceutical (API), refinery, and petrochemical industries.
  - SUPERCAV, our advanced aeration technology, is based on super cavitation principles. Used in wastewater tanks for aeration, it reduces oxygen demands by 40% and power requirements by 50%.
  - The VAPOZEM technology is based on MVR evaporators; alternatively, we retrofit existing evaporators with MVR to make them more energy-efficient. And, effluent concentration to achieve zero liquid discharge.
  - SOLVOSEP pervaporation, or vapour permeation, systems, are used as a hybrid in conjunction with distillation for dehydration of industrial solvents. We have designed hybrid systems to retrofit existing plants and reduce operational costs.
  - High-intensity RESONIC waves are used in process intensification for industry problems. Different configurations are used for Biomethanation enhancement, getting 20-30% more biogas in existing digestors, descaling, and defoaming applications.

Diva Envitec is a responsible corporate, rooted in sustainability. We focus on energy efficiency, product recovery from wastes, waste utilization, and reducing emissions and release of hazardous substances into the environment.

## **2) Could you please tell us about the Indian Environmental Association and Indian Institute of Chemical Engineers?**

The Indian Environmental Association (IEA) was formed in 1996 to benefit all environmental professionals. Today, it has members across India, including engineers, scientists, planners, state pollution control boards, operators, non-government organisations etc.

The IEA has assumed the role of “opinion builder and watchdog” on issues related to the environment and development. It has a reputation for professional integrity and competence, and contributes its expert views for formulating national policies and standards pertaining to the environment.

The Association has organised various Round Table discussions, including

- The Water Crisis (2019)
- Painting The City Green at Rachana Sansad (2014)
- Is Free Water Sustainable? (2014)
- Comprehensive Environmental Assessment of Industrial Clusters (2010)
- Environmental Policies and Planning (2005)

The Indian Institute Of Chemical Engineers is the top professional society of chemical engineers in India. A confluence of professionals from academia, research, and industry, it is a forum for combined endeavours. It helps joint stakeholders work together for a better world by applying chemical engineering and allied sciences.

The IChE, with 38 regional centres and an all-India membership of 13,250 engineers, has a six-fold agenda: Fun and Fellowship, Service to Society, Professional Pride, Obligation to the Chemical Engineering Profession, Networking, and Professional Advancement.

### **3) What do you think could be the potential areas in which India and Germany could collaborate?**

Germany is a world leader in engineering products in services, and our countries have suitably collaborated for many years now. The Indian economy is the outstanding performer at this point — among the very large emerging economies, India has the highest potential growth at 7%-plus. It is among the most attractive investment destinations now. It has all the ingredients, and seems set for success.

Till now, the focus of Indo-German collaborations was mainly in the automobile and mechanical engineering sectors. But the world is changing fast. The adoption of carbon net zero goals by countries after the COP conference in Geneva has led to a huge change in mindsets – the focus is on low-carbon footprints and staying true to UN SDG goals.

We must all work together to enable this green transition by designing and using products, processes, and systems that minimize environmental impact and are available at convenient costs. Our ultimate aim has to be a circular economy. I feel that our countries need to collaborate and work on water and wastewater, industry-academia partnerships, and strong networking and events to bring like-minded companies, institutes, and individuals together for a two-way flow of knowledge. The Consulate can play a crucial part in these collaborations.

Broadly speaking, I see potential collaboration in green hydrogen, green ammonia, EV batteries, technologies for membrane manufacturing in gas separation, wastewater, industrial wastewater treatment, solid waste segregation and treatment, cleaning, dredging, and rejuvenation of rivers and lakes, and more.

### **4) What are your future plans for Diva Envitec Pvt Ltd?**

It's well known that nothing changes if nothing changes. As former US President Barack Obama famously said: "Change will not come if we wait for some other person or some other time. We are the ones we've been waiting for. We are the change that we seek."

It's clear that things MUST change if we want to transform our present into a brighter future. This future, according to Diva Envitec, is sustainable, green, and renewable. Our wide range of technologies and proficiency in process improvement guarantees players in the pharmaceutical, biotechnology, food, petrochemicals, and chemical industries cost-efficient and quality solutions.

We believe sustainability isn't just about adopting the latest energy-efficient technologies; it must be a way of life to be a way of business. In the future, Diva Envitec aims to keep sustainability at the heart of our business. We will continue to work on technological innovations and solutions that are good for business, people, and the environment. We must do our bit to ensure a brighter future for our planet.

### Glimpses from Millets Food Festival, curtain raiser event for International Year of Millets 2023



## Glimpses from EISENWARENMESSE 2022



## Glimpses from Automechanika 2022



## Glimpses from InterTabac & InterSupply 2022



**THANK YOU**