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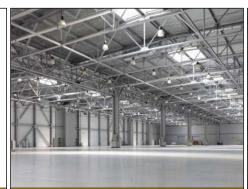












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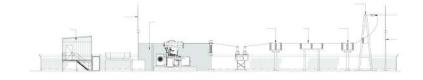
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Secretary- Sharad Patel M.9913562852

Manojkumar Ramchandani M. 9408489874

Jitu Rajput M. 8758467473

SIA NEWS

From the desk of the

President



Dear Members,

We are thrilled to announce that the Sanand Global Expo 2 is fast approaching, and we are fully prepared for what promises to be a grand and impactful event. Scheduled for February 7th to 9th, 2025, this event will bring together over 25,000 industrialists, entrepreneurs, and business leaders, many of whom will be visiting Sanand for the very first time. This expo serves as an extraordinary platform for showcasing the vibrancy, potential, and capabilities of Sanand's thriving industrial landscape.

Sanand is already a recognized hub for various sectors, particularly automotive and semiconductor industries, with over 550 operational units, including more than **50 multinational companies (MNCs)**. This expo will be a milestone event, one that highlights the continued growth and progress of our region. It presents an unparalleled opportunity to strengthen business ties, foster new collaborations, and open avenues for future investments.

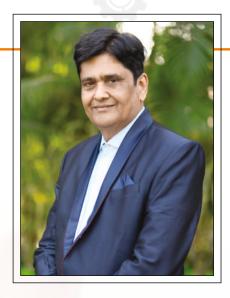
One of the key highlights of the Sanand Global Expo 2 is the diverse participation from eminent industrial bodies such as the Confederation of Indian Industry (CII), Indo-US Chambers, Indian Electrical and Electronics Manufacturers' Association (IESA), and the SME Chamber of India. Their involvement will provide immense credibility and a broad reach to the event, ensuring its success and relevance to industries not only within India but also internationally.

In addition to industry leaders, we are honored to have several distinguished guests from both central and state governments. Key ministers, MLAs, and numerous IAS officers will grace the event with their presence, offering invaluable insights and guidance for furthering the development of the industrial sector.

This is an exciting time for all of us in the Sanand business community. The expo will feature over **300 exhibitors**, showcasing cutting-edge products, technologies, and solutions from a wide range of industries. It will serve as a powerful platform for both local and international businesses to exchange ideas, explore new opportunities, and build lasting relationships.

Let us all come together to make the **Sanand Global Expo 2** a **resounding success**, and ensure that it leaves a lasting impression on all who attend.

We look forward to seeing you at the event and working together to make it a grand success!









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> Ajit N. Shah President



07 —





Invitation to Sanand Global Expo 2:

An Opportunity to Enhance Knowledge and Innovation

The Sanand Industries Association is proud to announce the upcoming Sanand Global Expo 2, scheduled to take place from 7th to 9th February 2025 at GIDC Sanand.

This event is an incredible platform for industries across Gujarat to showcase their innovations, exchange ideas, and establish valuable connections. The expo will feature participation from a wide range of industries, including automotive, semiconductor, packaging, and many more, with contributions from domestic and international companies, including MNCs. Several seminars and networking opportunities will also be organized, providing insights into industry trends, technological advancements, and best practices.

I personally urge all industries in **Sanand GIDC** and beyond to make the most of this unparalleled opportunity by attending the exhibition along with your staff members. Visiting the expo will not only expose your teams to the latest advancements in manufacturing, automation, and sustainable solutions but will also inspire them to think creatively and adopt innovative strategies to enhance your products and services.

For business owners, this is an excellent chance to explore new technologies, connect with suppliers, and discover collaborations that could take your organization to the next level. For employees, the experience will serve as a platform to broaden their technical knowledge and stay updated on industry trends.

We request you to actively participate by visiting the expo with your teams and engaging in discussions that could lead to groundbreaking ideas for your business. Your presence will make the event a grand success and contribute to the collective growth of the industrial community.

Mark your calendars and join us at the Sanand Global Expo 2 to witness a showcase of innovation and excellence like never before!







Plot No.C-350, Road No.F. Opp. Jaivel Aerospace, Nr. Oxygen Park, GIDC Sanand, Ahmedabad-382170

Sharad Patel

Secretary

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President's & Team Sanand Industries Association

I extend our best wishes to SIA for organizing the upcoming SANAND GLOBAL EXPO-2, which promises to be a landmark event for industries. This exhibition not only highlights the dedication and efforts of your esteemed association but also provides a vital platform for fostering collaboration, showcasing products & innovation as well as advancing our shared goals. We commend your commitment to excellence and are confident that this event will significantly contribute to the growth and development of industries. I am sure our Industries will also benefit by participating in this EXPO. Wishing you and your team great success in making SANAND GLOBAL EXPO-2 a resounding success!



President Chankya Patel GEZIA



President Ramesh Patel GECA Sector-28



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President Sudhir Patel Zak Ind. Asso.



President Shailesh Patel Santej Ind. Area Asso.



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Titendra

MESSAGE FROM THE EDITOR...

We, JR INFOMEDIA, introduce ourselves as one of the leading publishers of Industrial Directories. We have already published and circulated more than 10 Directorie's & 10 Magazine's so far. Now, we have entrusted to publish periodical magazine of Sanand Industrial Association. We expect full co-operation from all of you to release the magazine We mention our sincere thanks and acknowledgements to all who helped us, especially SIA News to publish this January-February, 2025, 9th Magazine Edition.

We always welcome feedback from our readers helping us to provide you with the most cutting edge articles and best industrial experiences.

We are thankful Mr. Ajit Shah - President for providing us on opportunity to work for SIA News and hope for receiving similar support in the years to come.



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Thank You for Your Overwhelming Participation!

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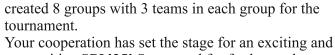




Dear Team Leaders,

A big thank you to everyone who attended today's **Sanand Premier League (1st SPL'25)** Team Leaders' Meeting at Sotac Pharmaceuticals Ltd., Sanand.

We are thrilled with the maximum attendance and your enthusiastic involvement. Together, we successfully



Your cooperation has set the stage for an exciting and competitive **SPL'25!** Stay tuned for further updates on the match schedule and other details.

Looking forward to an incredible tournament ahead!











Proud Moment for Sanand Industries Association!

- 12 -



We are thrilled to announce the signing of an MoU between Sanand Industries Association (SIA) and SIDBI at Sanand GIDC today! This partnership is a major milestone aimed at empowering SIA member industries with enhanced financial support, growth opportunities, and exclusive benefits.

Together, we are committed to fostering a brighter, more



2025

sustainable future for the industrial community at Sanand GIDC. Stay tuned for more updates on the initiatives under this collaboration!

Sanand Industries Association SIDBI MoU Industrial Growth Collaboration Sanand GIDC Empowering Industries





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Shri Rahul Gupta and GIDC offcials also toured the SHRAM NIKETAN labor hostel site, a flagship project of SIA



Yesterday, a detailed meeting was held with Shri Rahul Gupta, VCMD of GIDC, along with other GIDC officials, to discuss crucial initiatives for the development of GIDC areas. Key topics of discussion included the stormwater drainage project and proposals for enhancing the ecosystem for industries in the region.

The GIDC has designed an extensive stormwater drainage project worth approximately ₹177 crore. This project aims to address the severe waterlogging issues experienced during last year's monsoon, which disrupted operations in several industrial areas. Shri Rahul Gupta has emphasized the urgency of the matter and instructed officials to implement a priority drainage line in critical zones before the onset of the next monsoon. This step is expected to provide immediate relief to industries and prevent future disruptions.

Representatives of the Sanand Industries Association (SIA) presented a proposal to utilize unplanned land within GIDC to develop a fully integrated township. The vision includes essential facilities such as a hospital, school, mall, garden, and other amenities to create a self-sufficient ecosystem that supports industries, workers, and their families. This initiative aims to enhance the quality of life in the area, attract more investments, and further bolster the region's



industrial growth.

During the visit, Shri Rahul Gupta and GIDC officials also toured the SHRAM NIKETAN labor hostel site, a flagship project of SIA. The project, supported by the Labour Department of Gujarat, will provide high-quality accommodation for industrial workers, equipped with modern amenities such as a canteen, gym, health center, and recreational facilities. The officials commended the initiative and provided valuable suggestions to ensure the project's success.

The meeting concluded with a strong commitment from GIDC to expedite the stormwater project and actively consider SIA's proposals for developing the township. The collaboration between SIA and GIDC reflects a shared vision of transforming GIDC into a sustainable and progressive industrial hub.



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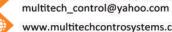
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Unlock Growth with MSME Subsidies: A Guide to various subsidies

CA Dinesh Shah Dinesh J Shah & Associates (M) 9825373707 | dineshjshahca@gmail.com

The author is a Chartered Accountant with over 24 years of experience in industrial finance and government subsidies.

Gujarat is one of the most attractive states for manufacturing units due to its extensive subsidy support. The Gujarat Government provides support by various finance schemes like CGTMSE, MUDRA, PMEGP Schemes and subsidy benefits such as capital, interest, GST, electric subsidies for various manufacturing sectors like textiles, steel, plastic, engineering, pharmaceuticals, chemicals, and many more.

What is MSMEs Criteria:-

Classification	Investment in Plant & Machinery	Annual Turnover
Micro	Upto 1 Crore	Upto 5 Crore
Small	1 to 10 Crore	Upto 50 Crore
Medium	Upto 50 Crore	Upto 250 Crore

Important Note: For subsidies, only investment in Plant & Machinery is considered. Annual Turnover is Excluded.

The benefits of MSME:-

- **Low-Interest Funds**: Access to finance at reduced interest rates.
- Collateral-Free Finance: Avail loans without security under schemes like CGTMSE.
- Tax Benefits: MSMEs can leverage various tax exemptions and deductions.
- Government Subsidies and Incentives: Unlock subsidy support to boost your business

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Key MSME Subsidy Benefits in Gujarat:

Many manufacturers remain unaware of the available subsidies or fail to fully utilize them. Below is an overview of major subsidies for manufacturing units established or planned in Gujarat:

Subsidy Schemes	Benefit		
Aatmanirbhar Subsidy Scheme for MSME 2022	 Capital Subsidy – Upto 25% of Loan Interest Subsidy – Upto 7% SGST Subsidy – Upto 75% of eligible Investment Solar Subsidy - 5% -7% Interest Subsidy Electric Duty Exemption – 100% Reimbursement Other - CGTMSE, Rent, Exhibition, EPF Subsidy & Power Connection Charges 		
PMEGP Scheme Gujarat Textile	 Capital Subsidy upto 35% of Project cost Capital, Interest, Power & Payroll Subsidies to Textile Units 		
Policy 2024 Semiconductor Policy	CAPEX, Stamp Duty, Power & Electric Duty assistance to promote the growth of the semiconductor industry in the state.		
Assistance to MSEs for Shed developed by Private Developer	@55 % of the total cost of land, building, other infrastructure facilities and Technical Consultancy fees and TPQA charges maximum ceiling of Rs.5 Crores.		
MOOWR Scheme	MOOWR allows manufacturing in bonded warehouses without upfront duty payment on imports.		
EPCG Scheme	 An importer (being an export-oriented business) to import capital goods at zero rates of customs duty. 		
PMFME Scheme	 PMFME offers a credit-linked capital subsidy of 35% of the eligible project cost maximum Rs. 10 lakh to micro units. 		
IT/ITES & Electronic Policy	CAPEX & OPEX incentives to IT/ITes & Electronic sector units.		

Gujarat's robust support system for MSMEs provides a unique opportunity for manufacturers to grow and thrive. By fully leveraging these benefits, MSMEs can achieve financial stability and scale operations effectively.

For professional guidance on MSME loans and subsidies, feel free to reach out to CA Dinesh Shah (+91 9825373707 or dineshjshahca@gmail.com)

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Ajit N. Shah

Executive Committee Member,
Federation of Industries &
Associations
(Gujarat)



Jitendra Kumar D. Panchal Joint Secretary, Ahmedabad Engineering Manufacturers Association



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Ankur Patel
Director,
Orange Technolab Pvt Ltd



Mukul Goya Co-founder, Stratefix



Pulkit Dhingra
Founder and Director,
Aha Solar

"Heartiest congratulations to our own Shri Ajitbhai Shah for being featured as a speaker at the prestigious ET Make in India SME Regional Summit. As the president of the Sanand Industries Association and an Executive Committee Member of the Federation of Industries & Associations (Gujarat), your remarkable efforts for the Sanand industries and MSME sector are truly commendable. Wishing you continued success in driving sustainable growth for our nation!"



Mr. Ajit N. Shah - President, Sanand Industries Association and eminent Industrialist has paid courtesy visit to Mr. Chandrakant Salunkhe - Founder & President, Gujarat Industry Development Association and SME Chamber of India to invite and seek support to make a grand success of premium event on " Sanand global expo to be organised 7th to 9th February 2025 at Sanand (an emerging semiconductor hub of india, Ahmedabad, focusing on Supply Chain, procurement, exports, Imports, services, finance, investment, joint ventures, contract manufacturing, marketing and strategic business alliances. Gujarat Industry **Development Association and SME** Chamber of India have confirmed support.

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20 — Jan.Feb. 2025





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Envision Enviro Technologies Pvt Ltd is one of the leading environmental engineering firms, working in the field of environmental pollution control for over three decades under the leadership of Mr. Nihar Doctor. We have evolved over the years from a small beginning to a stage of being a reputed Environmental Engineering firm which is respected and recognised for its technical competence, best engineering practices with optimized design and capabilities to handle multidimensional, large-scale assignments across the globe.

Envision Tech House

At Envision Enviro Tech, we are committed to provide innovative and sustainable solutions for environmental challenges. Our team of experts works closely in partnership with our clients and the communities we serve, to ensure environmentally benign practices. We are committed to a cleaner and healthier planet for our future generations.





Contribution to Sanand Industrial Area

Envision Enviro Tech has rich experience in establishing Common Waste Water and Solid Waste Disposal plants. In collaboration with the Sanand Industrial Association (SIA), Envision Enviro Tech is in the process of establishing a Common Sewage Treatment Plant (CSTP), Common Effluent Treatment Plant (CETP) and Solid Waste Management Centre (SWMC) to serve Sanand and it's nearby Industrial area. This plant will be based on State-of-the-Art Technology and will offer benefits to the members by ensuring sewage,industrial and solid waste treatment in compliance with regulatory norms.

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21 — Jan.Feb. 2025



Meeting with Honourable Industries Minister Shri Balvantsinh Rajput





Today, we had the privilege of meeting Honourable Industries Minister Shri Balvantsinh Rajput to discuss the progress and challenges of our Shram Niketan project at Sanand GIDC.

The Minister provided valuable guidance and assured us of his support.

His vision and encouragement have strengthened our resolve to make Shram Niketan a landmark initiative for worker welfare and industrial development. We express our heartfelt gratitude to Shri Balvantsinh Rajput for his time and commitment to the growth of Gujarat's industries.

ShramNiketan SanandGIDC IndustrialDevelopment WorkerWelfare BalvantsinhRajput Sanand Industries Association



Today president, vice president, and committee members of vatva industries Association visited SIA office at GIDC sanand. They visited and discussed our fire service as vatva is starting their own fire service like sanand. President of vatva industries Association Shri vashistha Patel, and Office Bearers of association discuss all activities of association and appreciate our activities.

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Work Starts on 155km stormwater line for Sanand GIDC

Ahmedabad: Sanand industrial estate in Ahmedabad district witnessed heavy waterlogging that lasted for about three days during the monsoon last year. To rectify this problem, which impacted the operations of the industrial units there, the Gujarat Industrial Development Corporation (GIDC) has initiated a stormwater drainage project spanning 155 km, with an investment of Rs 177 crore. It plans to finish work in crucial areas before the next monsoon season. GIDC managing director Rahul Gupta said, "A 155-km stormwater drainage line will be laid in Sanand industrial estate to address the waterlogging issues experienced during monsoon.

We are going to implement a priority drainage line in critical zones before the onset of the next monsoon. This step is expected to provide immediate relief to industries and prevent future disruptions." To prevent waterlogging in GIDC areas, the GIDC is collaborating with local authorities and various state govt departments to manage water flow from adjacent regions. Recently, GIDC senior officials conducted a meeting with Sanand Industries Association (SIA). The SIA president Ajit Shah said that the stormwater drainage line would be laid within the GIDC area. Sources close to the development said that the water from the Sanand GIDC will be released into a waterbody or a nearby river.

With numerous multinational companies and its recent emergence as the country's semiconductor centre, GIDC is developing Sanand GIDC as an exemplary industrial estate. Shah noted, "Better infrastructure will help industry grow faster, and we are working with GIDC for infrastructure development." Shah further said that they proposed to utilise unplanned land within GIDC to develop a fully integrated township.

"The vision includes essential facilities such as a hospital, school, mall, garden, and other amenities to create a self-sufficient ecosystem that supports industries, workers, and their families. This initiative aims to enhance the quality of life in the area, attract more investments, and further bolster the region's industrial growth," he added. Ahmedabad: Sanand industrial estate in Ahmedabad district witnessed heavy waterlogging that lasted for about three days during the monsoon last year. To rectify this problem, which impacted the operations of the industrial units there, the Gujarat Industrial Development Corporation (GIDC) has

initiated a stormwater drainage project spanning 155 km, with an investment of Rs 177 crore. It plans to finish work in crucial areas before the next monsoon season. GIDC managing director Rahul Gupta said, "A 155-km stormwater drainage line will be laid in Sanand industrial estate to address the waterlogging issues experienced during monsoon.

We are going to implement a priority drainage line in critical zones before the onset of the next monsoon. This step is expected to provide immediate relief to industries and prevent future disruptions." To prevent waterlogging in GIDC areas, the GIDC is collaborating with local authorities and various state govt departments to manage water flow from adjacent regions. Recently, GIDC senior officials conducted a meeting with Sanand Industries Association (SIA).

The SIA president Ajit Shah said that the stormwater drainage line would be laid within the GIDC area. Sources close to the development said that the water from the Sanand GIDC will be released into a waterbody or a nearby river. With numerous multinational companies and its recent emergence as the country's semiconductor centre, GIDC is developing Sanand GIDC as an exemplary industrial estate. Shah noted, "Better infrastructure will help industry grow faster, and we are working with GIDC for infrastructure development."



અમદાવાદ બોટાદ ભાસ્કર 11-01-2025

ગત ચોમાસામાં જીઆઇડીસી વિસ્તારના રોડ પર વરસાદી પાણીનો ભરાવો થયો હતો સાણંદ જીઆઈડીસીમાં વરસાદી પાણીના નિકાલ માટે 177 કરોડના ખર્ચે પ્રોજેકટ

સંપૂર્ણ આઉટલુક ધરાવતું ટાઉનશિપ વિકાસ કરવાની પ્રસ્તાવના રજૂ કરવામાં આવી

સાણંદ ખાતે GIDCના ઉપાધ્યમ્ય અને વ્યવસ્થાપક નિર્દેશક રાહુલ ગુવતા તેમજ અન્ય જીઆઈડીસી અધિકારીઓની ઉપરિચાતિમાં વિસ્તૃત બેઠક યોજાઈ હતી. આ બેઠકમાં જીઆઈડીસી વિસ્તારોના પર ચર્ચા કરાઈ હતી તેમજ મુખ્યત્વે વરસાઈ પાણીની નિકાલ માટેના પ્રોજેક્ટ અને ઉચોગોના પ્રોત્સાકન માટેની પ્રણાલીને વધુ મજેલુંનું ત્યાનવાના પ્રયત્નો પર ચ્યાન કેન્દ્રિત કરવામાં આવ્યું છે. આશરે રે.177 કરો.કના ખર્ચે એક વિસ્તૃત વરસાદી પાણી નિકાલ પ્રોજેક્ટ ડિઝાઇન તૈયાર કરવામાં આવ્યો છે. આ પ્રોજેક્ટનો પુખ્ય ઇસા ઇસ્લા વર્ષના ચોનાસામાં ઉદ્યોગિક વિસ્તારોમાં મજાવેલ ગંભીર પાણી ભરાવાના મુકાઓને હલ કરવાનો છે. જેનાથી અનેક ઉદ્યોગોની કામછીદી ખોરવાઈ હતી. રોહલ ગુણતાએ આ મુકાને પ્રાથમિકતા આપી છે અને અધિકારીઓને આવતા ચોનાસા પહેલાં મહત્વના વિસ્તારોમાં પ્રાથમિક નિકાલ લાઇન અમ્હલમાં પ્રાથમિક ના આપી કર્યા મહત્વના વિસ્તારોમાં પ્રાથમિક નિકાલ લાઇન અમ્હલમાં પ્રાથમિક નિકાલ લાઇન અમ્હલમાં મુકવા અપિકારીઓને સૂચન કર્યું હતાં



અધિકારીઓએ શ્રમ નિકેતન હોસ્ટેલ સાઇટની મુલાકાત લીધી સાર્લેદ ઇન્ડસ્ટ્રીઝ એસો. (SIA) ના પ્રપુખ અંજત શાહ સહિત પ્રતિનિધિઓએ જીઆઈક્ષમીયાં અનિયોજિત જયીનનો ઇપયોગ કરીને એક સંપુર્વ આઇટલુક પગવતું ગ્રીનીપા વિકાસ કરવાની પ્રસાવના રજુ કરી હતી. આ પ્રોજેક્ટમાં હોસ્પિટલ, શાળા, મોલ, બગીયો અને અન્ય સુવિધાઓ સહિતના પહત્તના સાધનોનો સમાવેશ કરવામાં આવ્યો છે, રાહુલ ગુપ્તા અને જીઆઈક્ષિશ્ર અધિકારીઓએ શ્રમ નિકેતન શ્રમિક

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GCCI દ્વારા ૨૬ મી જાન્યુઆારી સુધી ચાલનારાં

હિ-વાર્ષિક મેગા રક્તદાન ડ્રાઈવનો થયો પ્રારંભ

ફોટો : ભરત ઝાલા, રિપોર્ટ : જયશ્રી ભંડારી, સન દુડે ન્યુઝ સર્વિસ, અમદાવાદ GCCI "મહાજન સંકલન ટાસ્ક કોર્સ" દારા વિવિધ સંલગ્ન સંગઠન તેમજ ભારતીય રેડકોસ સોસાયટીના સહયોગી આગામી રદ મી જાન્યુઆરી, ૨૦૨૫ સુધી દિવાર્ષિક મેગા રક્તદાન ડ્રાઈવનું આયોજન કરવામાં આવ્યું છે. જે અંતર્ગત અમદાવાદ ટીમ્બર મર્ચન્ટ એસોસીએશન ખાતે GCCIના પ્રમુખ સંદિપ એન્જીનીયરની સાથે મહાજન



સંકલન સમિતિના અધ્કાય આશિષ ઝવેરી, અમદાવાદ ટીમ્બર મર્ચન્ટ એસોસીએશનના પ્રમુખ ચિંતન શેઠ અને એસોસીએશનના વિવિધ સભ્યોની હાજરીમાં દ્વિતીય વાર્ષિક મેગા રક્તદાન ડ્રાઈવનો પ્રારંભ થયો હતો.

પ્રશંસાપત્ર

પ્રતિ, શ્રી ચિંતનભાઈ અને GCCI

મફોદય,

તમારા દ્વારા આયોજિત દ્વિ-વાર્ષિક મેગા રક્તદાન ડ્રાઇવના સફળ પ્રારંભ માટે ફાર્દિક અભિનંદન! આ વિશેષ કાર્ય અને સામાજિક જવાબદારી માટે તમારું અને GCCIનું યોગદાન પ્રશંસનીય છે. સમાજના ફિત માટે રક્તદાન જેવી ઉત્તમ પ્રવૃત્તિનું આયોજન કરવું એ ફંમેશા પ્રશંસા માટે પાત્ર છે. આ ડ્રાઇવ

સમાજના ફિત માટે રક્તદાન જેવી ઉત્તમ પ્રવૃત્તિનું આયોજન કરવું એ ફમેશા પ્રશસા માટે પાત્ર છે. આ ડ્રાઇવ અનેક લોકોને નવી જીંદગી આપવા માટે ફળદાયી સાબિત થશે. તમારું આ નક્કર પ્રયત્ન અને સમર્પણ સમાજ માટે પ્રેરણાત્મક છે.

આ કાર્ચમાં જોડાયેલા તમામ સફયોગીઓને પણ અભિનંદન અને આભાર. આ દિશામાં તમારું યોગદાન સતત આગળ વધે એ માટે શુભેચ્છાઓ!

વિનમ્ર,

Jignesh Bhatt Secretary - Associate Sanand Industries Association





Semiconductor sector to bring hope in 2025 and clear the roadmap for Viksit Bharat



As the demand for semiconductors surges globally, India's burgeoning semiconductor infrastructure is set to drive innovation, create jobs, and secure the country's position as a significant player in the global digital economy. Industry estimates place the Indian semiconductor market at approximately \$38 billion in 2023-24, with projections indicating growth to \$109 billion by 2030.

The world is preparing to welcome 2025, and excitement and hope are all-pervasive, but it is a bit more in India. It is similar to welcoming the Year 2K. Many of us lived through the year 1999 with the same feelings and overcame the challenges of transition from the year 1999 to 2000. People from all walks of life discussed and debated what would happen to their computers then; today, semiconductors impact all ecosystems—Education, health management, automobile, transport, FMCG, utility supplies, and day-to-day use gadgets.

Given the huge opportunity, the India Electronics and Semiconductor Association (IESA) fosters local and global collaborations and partnerships, upskilling and supporting startups, MSMEs, and academia. It would be appropriate to highlight the tremendous support and encouragement from the Government, which is a major catalyst in India's semiconductor and electronics manufacturing industry growth. The success of the Indian Semiconductor Mission (ISM) is an outcome of government and industry initiatives in the last few years

and the thrust during the previous 12 months (see Figure 1). A few major milestones were achieved in the journey that will make India a major semiconductor destination in the next few years.

One milestone is Tata's first semiconductor fab, scheduled to open in 2026. Construction of the first Fab is already underway, with foundation work at the Dholera Special Investment Region, where Tata Electronics broke ground in March 2024. The second milestone is the First Outsourced Semiconductor Assembly and Test (OSAT) of Micron's chip testing and packaging plant, which is expected to roll out the first commercial "made-in-India" chips in 2025. The third milestone is India's chip-- L&T Semiconductor Technologies (LTSCT) has signed a Memorandum of Understanding (MoU) with the Centre for Development of Advanced Computing (C-DAC).

Figure 1 The three major milestones are the true game-changers in making India a self-reliant semiconductor hub and attracting investments in fab manufacturing. The good news is that the government policies, missions, industry's commitment, and goals are finally aligned for commercial fab manufacturing in the country. Advt The entry of big players like Tata, L&T, and CG is a positive sign for fab manufacturing in India since it is a high capital investment, low margin, and long-term return industry. Most service industries, like the IT sector, grew fast because they did not have high capital requirements but had high margins and short-term returns.

So, earlier, the challenge for fab manufacturing was the inability to attract investments. It was difficult for Indian companies to be globally competitive against major players from countries like China and Taiwan. The Government has been receptive to the industry's demand for an incentive to attract capital.

We have given the Government a few more inputs, and if accepted, it will hasten the process of manufacturing high-end India chips in the next few years. The industry requires raw materials and a supply chain—we need about 200-250, equipment, chemical gas suppliers, and a seamless import and export regime. It will attract MSMEs to come into the supply chain segment. It also requires a cluster approach, and state governments have

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Today, states like Gujarat, Karnataka, Tamil Nadu, NCR UP, Odisha, Maharashtra, Telangana, and Madhya Pradesh are very active and focused on developing electronics and their ecosystem

a role to play. Today, states like Gujarat, Karnataka, Tamil Nadu, NCR UP, Odisha, Maharashtra, Telangana, and Madhya Pradesh are very active and focused on developing electronics and their ecosystem. The industry is getting about 70 per cent subsidy on capital (the Government of India at the Centre has extended a 50 per cent capital subsidy and a 22-25 per cent subsidy by the state governments) for Fab, and OSAT is unheard of anywhere in the world.

The journey is long. With all the current success, we have a start. It will depend on many factors on how fast or delayed India will be in manufacturing microprocessors and high-end processors. In design, India is strong; we have never had an experience with a supply chain since there was no fab in the country. OSAT is fine. But now we are getting senior Indian professionals from overseas with skills in Fab, plus the



Prime Minister Narendra Modi has set an ambitious \$500 billion target for the country's electronics sector. The Indian semiconductor market will be approximately \$38 billion in 2023-24, with projections indicating growth to \$109 billion by 2030.

The electronics manufacturing sector is estimated to be about \$150 billion. Prime Minister Narendra Modi has set an ambitious \$500 billion target for the country's electronics sector. The Indian semiconductor market will be approximately \$38 billion in 2023-24, with projections indicating growth to \$109 billion by 2030. A number of Indian companies with huge capital reserves are waiting and watching this space, and a lot will depend on one success story for them to follow. Further, the banking system has become receptive to our industry. State Bank of India has even set up a separate wing to finance semiconductors with a Deputy General Manager level officer heading the Semicon vertical.

Indian engineering colleges are also developing courses to meet the growing demand in Fab manufacturing. Some of the design companies will be part of the skill internship program proposed by the Government. I am confident that most of the semiconductor companies will also be signing up for this program.

The first phase of developing Fab, supply chain and OSAT has generated 65,000 jobs, and the next phase will attract 1.30 lakh jobs. More women are expected to join the semiconductor industry, increasing from the current ratio of about 35 per cent to 70 per cent. It is an exciting time for the semiconductor industry in India, and that is the hope with which we enter the year 2025.





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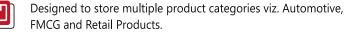


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Challenges Facedby Emerging Enterprises in bidding for Green Hydrogen Tenders



Mr. Sandeep Agarwal, Founder & Managing Director, Greenzo Energy India

While the Green Hydrogen Mission is an important step for India, refinements are needed to promote long-term investment and project viability. Tenders for Build-Own-Operate (BOO) projects are struggling to attract bidders. Despite over INR 5,000 crore worth of tenders being floated by major public sector companies, the response has been lukewarm due to various hurdles. These include land allocation issues, high investment burdens, connectivity problems, and delays in government clearances. Government intervention is crucial to remove these roadblocks and create a more conducive environment for green hydrogen development.

Allowing and encouraging companies to form clusters and bid for PLIs/other incentive schemes, coupled with benefits such as quick clearances for clusters, can significantly enhance participation and project success. One of the primary hurdles is the lack of land allocation by offtakers. Green hydrogen projects require vast amounts of land for setting up production facilities and other infrastructure, and the failure to provide this basic requirement is discouraging bidders from proceeding with their projects.

The government can propose setting up Manufacturing Zones where Green Hydrogen and Green Ammonia production plants can be established. Land in Renewable Energy Parks can be allocated for these purposes, and manufacturers can set up bunkers near ports for storage and export.

To encourage innovation and promote local industry, it is essential to relax financial eligibility criteria to enable new entrants and startups to compete on a level playing field. High investment burden is another major bottleneck. The scale of investment required to establish green hydrogen plants is immense, making it difficult for a single entity to take on the entire financial burden. Commercial lenders, including banks, consider funding green projects risky due to potential delays in land acquisition, environmental approvals, and the pace of infrastructure development.

The relatively smaller consumer base for green hydrogen also contributes to the perceived risk. Public sector grants and other concessionary funding will be crucial sources of project finance during this early development stage until sufficient private sector funding becomes more readily available. Connectivity issues are also a major problem, with many project sites lacking access to the required power load. Without proper grid support, the viability of these projects is compromised.

Refinery support is also crucial, with refineries providing land and power from their in-house power plants to support green hydrogen projects. This would reduce the logistical and financial challenges faced by bidders. Last but not least, promoting indigenous technology must take precedence, with the government mandating the use of Indian-made electrolysers and other equipment. This would not only boost the local economy but also reduce dependence on costly imports.

Due to the intermittent nature of renewable energy, green hydrogen production plants need energy storage systems (ESS) to ensure a stable power supply for their operations. Existing ESS are costly and drive up the cost of round-the-clock (RTC) renewable energy, as seen in recent national tenders. To overcome these challenges, non-fiscal measures like improving the process for regulatory clearances coupled with preferential treatment in public tenders can also enable the environment for domestic

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manufacturing. Key Considerations for Successful Tender Bidding The Indian Oil Corporation recently cancelled its green hydrogen tender after receiving only two bids, highlighting the concerns raised by prospective bidders. The eligibility criteria, which required experience in operating hydrogen systems, EPC, and electrolysers, were seen as too stringent.

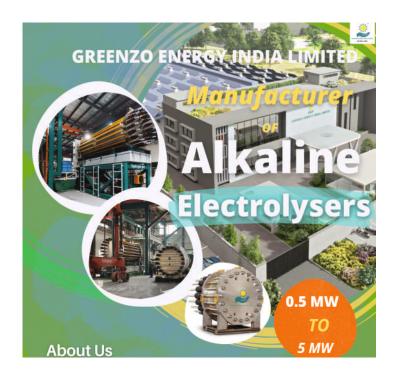
Specifically, a qualified bidder had to have EPC experience and have operated a refinery, petrochemical, or fertiliser plant for at least 12 months. This led to potential bidders requesting deadline extensions to form joint ventures with industrial gas producers, as only a limited number of companies were operating at this scale wih the required experience. In July 2023, the Solar Energy Corporation of India (SECI) issued a Request for Selection (RFS) under Component-I of the SIGHT programme, aiming to establish 1,500 megawatts (MW) of electrolyser manufacturing capacity in India. Bidders were encouraged to emphasise lower specific energy consumption and higher local value addition (ranges from 30-40% in the first year to 70-80% in the fifth year, based on technology).



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They could choose from any stack technology or indigenously developed stack technology, categorised as Bucket 1 and Bucket 2, respectively. The total outlay for this incentive scheme is Rs 44.4 billion (US\$541 million). Understanding Bucket 1 Bucket 1 focuses solely on electrolyser manufacturing capacity based on any stack technology, with a total offered capacity of 1,200 megawatts (MW). The minimum bid capacity for Bucket 1 is 100MW, with a maximum of 300MW. Most bids have been concentrated under Bucket 1.

With key players such as Adani, Reliance Industries, Avaada, L&T, Greenko, Waaree and Jindal India collaborating with global electrolyzer producers. Subject to foreign technology transfer under global restrictions. Indigenous Technology Focus in Bucket 2 Bucket 2 focuses on electrolyser manufacturing capacity utilising indigenously developed stack technology, offering a total capacity of 300MW. This category has no specified minimum bid capacity, with a maximum bid capacity of 300MW.

Bids from technology start-ups and mid-size mechanical equipment manufacturers primarily occupy Bucket 2. This category requires a greater push and priority to support the development of a truly Atmanirbhar green hydrogen economy. Greenzo Energy, manufacturer of indigenous alkaline electrolyzers, exemplifies how emerging enterprises can be effective bidding technology partners. Its Indigenous product suitable for domestic conditions and longer life with no dependency on noble metals is Power Efficient and provides modular and H2



Banaskantha is back on her own feet after a devastating mishap left her with severed legs just a year ago. The girl accidentally got her legs stuck igraw as she grows," explained Dr. Solanki. machine while playing at a farm. Shocked and without The experts said that in case of amputation, utmost care hope, her parents left for a hospital in Mehsana to explore options for surgery. The emotional toll on the parents was unimaginable. As they rushed to the hospital, clutching their daughter's detached legs in a bag, they were numb and feeling helpless, being slowly The thought of the probability of their child facing life overcome by the gnawing dread of what the future might hold for their little girl.

Dr. Raghuvir Solanki, Sr. Plastic and Reconstructive Surgeon at Zydus Hospitals, recalls the urgency and time in seeking medical help. The surgeon in Mehsana referred the case to us due to its challenging nature. By_{suffering} or any deformity," said Dr. Solanki. the time the child arrived, her severed legs, covered in farm dust, were in a polythene bag. We knew time was critical. We started surgery at 11 PM".

The surgical team, led by Dr. Solanki and Dr. Jatin Bhojar and supported by efficient Anesthesia and other multidisciplinary teams, worked tirelessly through the night. Just four months later, the little girl started walking again—a moment of immense pride and relief for both her family and the medical team.

"The most challenging part in such cases is

three-year-old girl from a village near Deesa in reattachment of tiny blood vessels using vein grafts and nerves to ensure both sensation and growth can be restored. Most importantly, we had to ensure her feet

> must be taken to preserve the severed limb and ensure that the exposed part does not get infected. Complications arise when the infection spreads through the bloodstream, they added.

with a disability, weighed heavily on the parent's hearts. Her parents, who had been through an emotional rollercoaster, were overjoyed and deeply grateful. Their tears of sorrow had turned into tears of relief and joy. "We desperation in the air, and said, "The parents wasted no couldn't have asked for anything more", said the father. "We were relieved that we could save her from a future of





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delivery at high pressure at an affordable and competitive price. The company also has an extensive EPC experience and a highly-scalable orderbook, and the elctrolyzer is easy to maintain and upgrade.

Providing the company with a trifecta advantage in tenders: indigenous technology and manufacturing, extensive experience, and scalability. Giving it a competitive edge to address growing demand most effectively to meet the stringent requirements of India's green hydrogen tenders. As a proactive participant in the green hydrogen sector, Greenzo Energy is committed to collaborating with stakeholders to overcome existing

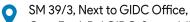
challenges and drive forward India's clean energy ambitions.

Enhancing Support India's roadmap should identify a timeline and scale of manufacturing support for electrolysers, aiming for 25 GW by 2030, while also investing \$1 billion in R&D to catalyse the development of commercial green hydrogen technologies across the value chain. Radically improving the speed of regulatory clearances, coupled with preferential treatment in public tenders, will help catalyse local manufacturing.

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University. He is also the Managing Director of Flagship company of the group Plastene India Limited, which he has built from the ground zero in just a span of 14 years. With over 22 years of experience in the Plastic Industry, he is stalwart of this industry. Equipped with a lot of experience and great analytical skills he is a magician of management.

Mr. Pritesh Parekh Director

Pritesh Parekh. the Director is a PGDM holder in Business Management from Tollani Institute of Management. He has over 20 years of experience in the Plastic industry. Specialising in operations and sales and because of his great can-do attitude and empathy towards the manpower and our clients he holds command on operation and marketing. Pritesh is responsible for managing almost 3000 MT of market for K. P. Woven and all it's sister concerns in the Champalalgroup.

K.P. Woven Private Limited is a part of renowned Champalal Group of companies engaged in the manufacturing of Flexible Intermediated Bulk Containers (FIBCs) or Jumbo bags. Group is second largest manufacturer of FIBC in India. This unit was specifically put up to cater to the requirements of Food and Pharmaceutical industry to meet their requirements of bulk packaging needs.

Equipped with State of the art machinery sourced from the best suppliers in India and Europe. It's Swiss weaving machinery from Sulzer equips the company to also manufacture various kinds of Geotextiles which can serve various purposes and are useful in various industries. With installed capacity of over 1100 MT of woven plastic products, this plant is one of the best in the country, and we are targeting 90% of its sales from exports. Majority of it's clients are based in the USA, Europe and South America, while also catering to some of the big names in the domestic chemical industry.

Apart from that, this facility is one of a kind facility with complete air conditioning from granules to bag hence eliminating the risk of contamination. K.P. Woven firmly believes in supplying its costumers with top quality bulk bags which are extremely safe to use and have a great visual appeal. We have a zero tolerance policy towards taking deviation and believe in supplying our costumers with exactly what they need.

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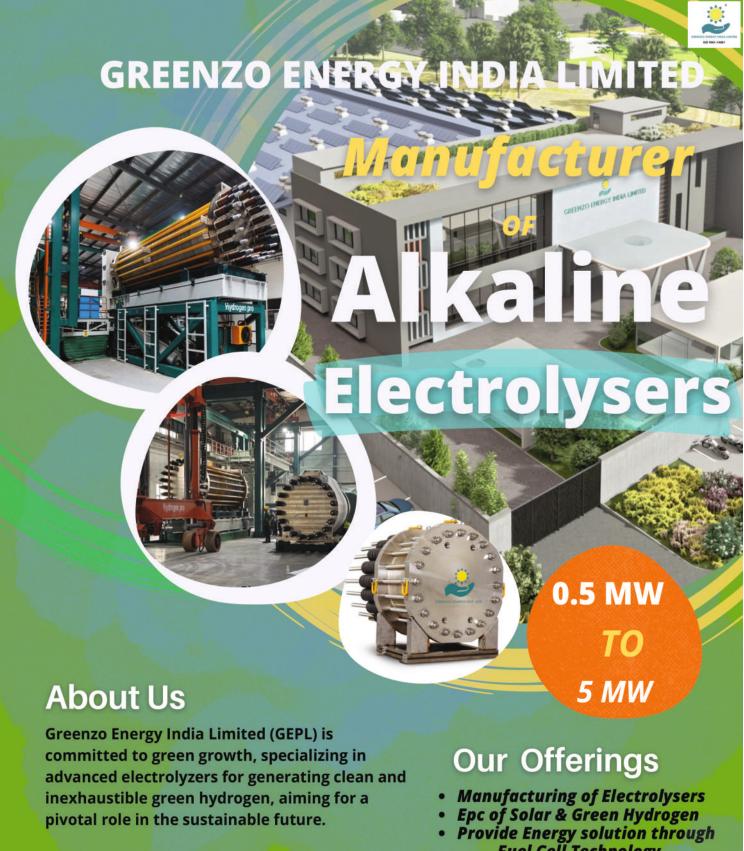
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