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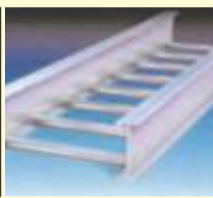
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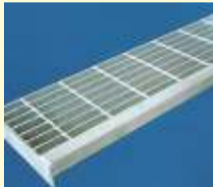
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Beginning from meagre 5 Crs in 1995 we have arrived at a turnover of Rs 400 Crs in last financial year and as such grown immensely in the last 26 years

says **Mr. Vinay Rathi**
Director - GLOSTER CABLES LIMITED

in an interview to *Electrical Line*

Q-1. How has your tie up with your foreign counterpart and brand GLOSTER helped you to substantiate your business activities in India?

Ans. Basically the Indian Market is governed by Licence with Bureau of Indian Standard (BIS) and GLOSTER is maintaining the technical parameter in

conformation with the governed standard. Further to standardisation of Quality parameter, GLOSTER company is following, ISO -9001 : 2000 & ISO-14000 and Testing LAB is accredited with NABL, which further strengthen the quality parameter of Gloster Brand.

Q-2. What is the USP of the Cables manufactured for the power stations Pan India?

Ans. 1) We have a wide product range from 1.1 kV LT Cables to 33 kV HT Cables. We have mastered in different types of special cables like FS Cables, Solar Cables, Instrumentation Cables etc.

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Q-3. Any plans for capacity addition to your state of the art manufacturing unit near Secunderabad?

Ans. We almost doubled our production capacities about 2 years back. Recently we have added an additional CCV line to fulfil the exponential market demand of HV cables, due to implementations of various government infra development program. We are continuously upgrading the manufacturing machines either by replacement or technical enhancement of the capacity utilizations.

Q-4. Which are the countries of export and is any specific product offered by Gloster highly in demand in the overseas markets?

Ans. Due to issues of Covid 19, the industries are facing lot of issues in enhancing the export business due to travelling ban and slow down of development process. However, we are in process of exploring the untapped business opportunities in Africa, Bangladesh, Nepal and UAE Countries.

Q-5. Can you share with us your success story and other strategic growth prospects for the same?

Ans. Being brought into the world in a business family enjoys its own benefits. Directly from more youthful age I have been noticing my father and uncles exploring about different business viewpoints. I acquired a few thoughts from them and got slanted towards a major business. Though, I began my profession as a trader but gradually moved towards industry.

The organization venture began way back in 1995 with one manufacturing unit in Medchel in Telengana. Over a range of 26 years we have enlarged our organization in all most every one of the spots of significant states. Beginning from meagre 5 Crs in 1995 we have arrived at a turnover of Rs 400 Crs in last financial year.

With respect to development possibilities, we are moving towards esteem added items like solar cables, FS, fire alarms cables and so on.

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Cooper Corporation is ramping up its CSR efforts in Satara to help the government combat the COVID-19 pandemic

Cooper Corporation, one of the leading manufacturers of engines, auto components and gensets, has been actively engaged with local authorities to revive Satara from the impact of the COVID-19. Yet again, the company stepped up and participated in the fight against COVID-19 by supplying 13 gensets to the district's hospitals and oxygen facilities.

The company has decided to provide all the genset at a nominal fee of Rs.1/- as per the nominal lease agreement. With the current surge in demand for oxygen, Satara's municipal authorities have taken many measures, including the installation of oxygen plants at twenty hospitals. Thus, the company has decided to provide 100 KVA and 160 KVA diesel gensets to thirteen rural hospitals to support the initiative.

The company has already started the installations of generators for various oxygen plants at Phaltan Sub-District Hospital as well as for rural hospitals at Koregaon, Kashil, Medha, Dahivadi, Vaduz, Aundh, Somardi, Undale, Gondwale, Pimpode, Kaledhon and Pusegaon. The oxygen plant at Kashil was recently inaugurated, and the company has assured that all the power generators would be operational soon.

Cooper Corporation will not only supply the gensets to the district hospital but will also maintain them while they are in operation. Collector, Mr. Shekhar Singh, Additional Collector, Mr. Ramchandra Shinde, and District Surgeon, Dr. Subhash Chavan have all contributed to the project's success. Mr. R. Shinde, Mr. Nitin Shinde, Mr. P. S. Shivdas, and the officers and staff of various hospitals have played an important role.

Expressing his view Mr. Farrokh Cooper, Chairman and Managing Director, Cooper Corporation, said, "Cooper Corporation is determined to continue its support for the government, with a focus on improving the overall healthcare infrastructure, to safeguard our country from this pandemic. We have considerably increased our on-the-ground efforts to assist COVID Warriors around the region. Over the last year, we have collaboratively worked with the local authorities in Satara. Also, we successfully vaccinated 3,000 officers, employees, and workers as part of the vaccination drive."

Apart from this, the company has been involved in the fight against the pandemic in several ways. It has initiated a drive to

distribute more than 15,000 "Mask Booklets" in Marathi language on 'How to make a mask at home' in association with Satara Zilla Parishad for health workers. In collaboration with Satara Municipal council, it conducted 30 full days of sanitizing drive across all parts of Satara town, MIDC Satara, Waduj, Pusegaon & Palasi.

Another key concern area was the frontline warriors like police

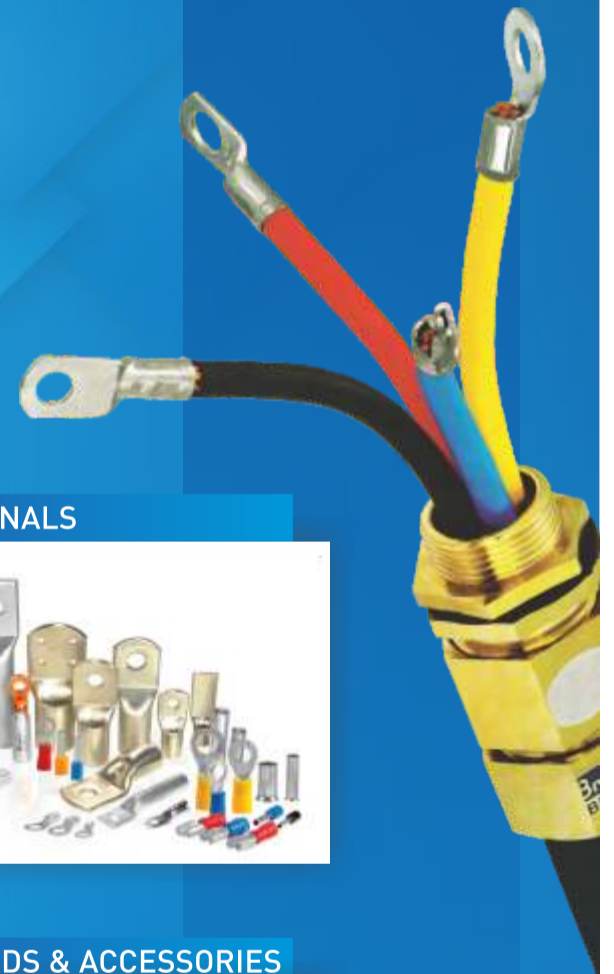
officers who had been affected by the coronavirus. To address the issue Cooper Corporation partnered with Satara Police to distribute full-body protection COVID 19 PPE kit, Infra Thermometer, Face shields and medication. The company also provided high-end ventilator support to civil hospitals through the Grant Medical Foundation, Pune, to strengthen the medical infrastructure in Satara.



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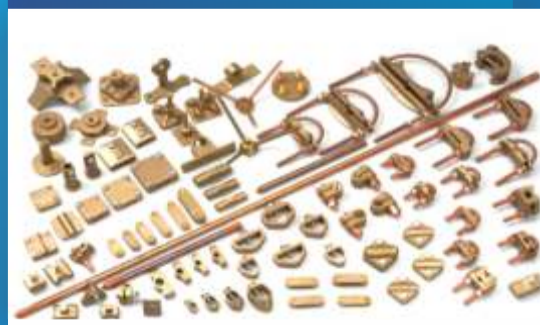
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HPL products are focused on embracing the latest and finest technology to deliver high-efficiency products in terms of power saving and environment-friendly solutions

says **Mr. Gautam Seth**
Joint Managing Director - HPL Electric & Power Ltd.

in an interview to *Electrical Line*

Q-1. What is the USP of the smart metering solutions offered by HPL and which are the core verticals where they are used?

Ans. HPL has been at the forefront of supplying smart meters in the Indian market. The company has one of the widest portfolios of meters in India and offers a whole range of metering solution with advanced technology. The company's research and development capabilities encompass design and development of all types of energy metering solutions. This includes interactive communication between the metering device and metering infrastructure that include advanced meter reading (AMR)

and Advanced Metering Infrastructure (AMI), prepayment metering solutions, smart meter with two-way communication. The company's portfolio of meters includes three phase and LTCT/HT energy meter, panel meters, prepayment meters and net metering solution. At HPL, we are continuously striving to make our smart metering technology more innovative and technology driven.

HPL supplies metering products primarily to power utilities, which includes supply of meters under direct contractual arrangements to electricity boards and power distribution companies, as well as through project contractors.

Q-2. Any plans for capacity addition to your any of your state of the art manufacturing unit?

Ans. The company has been keeping pace with the growing demand for electrical. We have an ultra-modern state-of-the-art unit with the company for million bulbs per month. We are adding new technologies to our state-of-the-art manufacturing unit. HPL products are focused on embracing the latest and finest technology to deliver high-efficiency products in terms of power saving and environment-friendly solutions.

Q-3. What has been your prestigious contribution to the

growth of this versatile vertical through your unique products?

Ans. HPL strong research & development capabilities have enabled it to keep it abreast of technological developments in the electric equipment industry. The company's research and development efforts include design and development of all types of energy metering solutions. Interactive communication between metering devices and metering infrastructure includes AMR and AMI, prepayment metering solutions and solar net metering solutions that allow for active monitoring of energy consumption. The company has one of the widest portfolios of meters in India. It has a whole range of metering solutions with advance communication interfaces like LPRF (low power radio frequency), GSM/GPRS, IrDA, Modbus, Ethernet.

Q-4. Can you let us know the special strategies planned by HPL for expansion of this core segment?

Ans. We have explored IoT and communication-based technologies for power sector equipment. HPL Electric and Power also implemented smart technology and 'Industry 4.0' in our manufacturing. We have launched the latest energy-efficient product range mainly in metering solutions including smart meters, switchgear and lighting. We have recently launched smart meters with NB-IoT (Narrowband-Internet of Things) technology, Ebrit panel meters- single line cost-effective LED display meter, Power Factor controller- microprocessor-based intelligent auto-switching. We are implementing latest and state of the art smart technologies in our products so that we can stand out in the electrical market. 'Industry 4.0' will alter the whole manufacturing process, from the architecture and organisational structure to products, services and business models along with the value chain. In the upcoming years, we seek to be the pioneer of the Indian electrical equipment industry.

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We are the company with the widest range, right from Downlighters to spots to Strip lights which can cover the entire residential segment & hospitality

says Mr. Arjun Shahani
COO - iBahn Illumination Pvt Ltd

in an interview to *Electrical Line*

Q-1. What is the USP of your brand SVAROCHI – Led lighting

Ans. Simplicity, Flexibility & Ease of operation is our base USP on which we have designed our entire smart lighting concept. We do not require any special wiring, Controllers, Bridges & Wifi to operate our lights. It's on Plug & Play mode. Our lights are based on Low Energy Blue Tooth Mesh Platform, developed inhouse. One can not only Dim the lights, while saving energy on linear basis, but can tune the lights from 2700k (Yellow) to 6500K (White) anywhere. One can also add 16 million colours within the same light source. We have widest range of smart lighting right from Diffused downlighters, Spot lights, Strips lights, 2x2, Linear lights & Tracks. We also offer wireless sensors based lighting &

human Centric lighting (Circadian with Scheduling) for commercial spaces. All these are manufactured in India.

Svarochi has inhouse developed smart lighting based on Blue Tooth Mesh Platform, which gives users three options to choose from

1. Bright & Dim (Dimmable in same colour temperature)
2. Warm & Cool (Dimmable & colour tuned from 2700k to 6500K)
3. Color & Daylight + (Dimmable, colour tuning & 16 million color)

Q-2. Which are the verticals where they are vastly used?

Ans. The smart lighting concept started from Residential segment but today the hospitality segment has started seeing huge advantage in terms of power saving,

ambience & functionality w.r.t smart lighting. We at Svarochi have made huge inroads in the Hospitality sectors with Big Brand chains not only in Hotel Room lighting but Bars, Restaurant, Lobby Lighting & Banquet lights. The commercial segment too has started looking into this as human centric lighting (Circadian lighting) is playing a very important role in every day's life. Svarochi has a very economical & an easy wireless Circadian scheduler which can be installed in a commercial & hospitality Segment. Svarochi also offers Sensor which besides movement can also control lights based on ambient light levels. We have made good inroads in prestigious Government sites.

Q-3. What is the future outlook on the industry and from your

company's perspective?

Ans. The Smart light market is rapidly growing in India as customers are recognizing the proposition of the same. Though the overall market is less than 1% of the total lighting market, it is growing factorially. Today home users are looking at Simplicity, Flexibility & Ease of operation. The used cases are growing everyday as home users needs his house not only to look better with right kind of lighting but also functionality with respect to lights. As an example, one can read better in white light (4000k to 6500 K) compared to yellowish light (2700K to 3000K). Svarochi. Hospitality sector too is looking into how to make their spaces beautiful besides saving on power & functionality. As an example, A banquet hall is used in the morning for conference, where one requires white light & evening for parties where yellow light gives the right ambience. On occasions one can chose a colour theme too from the same light source. Most of the lighting will be smart lighting in coming future, taking over from Conventional Lighting. It will be akin to LED lights taking over from CFL lighting.

Q-4. What innovative features are being added to your

products to have an edge over your competitors in terms of ease of operations, safety and reliability?

Ans. As mentioned we are the company with the widest range right from Downlighters to spots to Strip lights which can cover the entire residential segment & hospitality. For commercial spaces besides this, we also offer smart 2x2, Linear & track light with Human centric lighting, scheduler & Sensors. As these are blue tooth mesh embedded chips in each light, the grouping of lights are independent of Switches & wiring loops. One can group lights connected on different switches too in one room.

Q-5. How do you ensure customer retention and prevent brand substitution?

Ans. Though our lights can be commissioned by the user himself (It's on DIY mode), we have a service team who help in commissioning the smart lighting if customer so desire. We also have a toll free number, where customers can reach out to us for issues if any. Today we have grown thanks to the word of mouth our customers have spread about us. We surely are brand leaders in smart lighting in India.

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SJVN's five Projects generated record 1580 MU in July 2021

Sh. Nand Lal Sharma, Chairman & Managing Director, SJVN during his visit to 1500 MW Nathpa Jhakri Hydro Power Station and 412 MW Rampur Hydro Power Station inspected the operational activities of these projects. He stated that he is fully satisfied with the operational performance and informed that SJVN has set record of Power Generation from all its generating units including renewable projects in the month of July 2021 with 1580 MU surpassing the previous record of 1563 MU in July 2020. In FY 2021, against total Design Energy of 8700 Million Units, of its five Power Stations comprising of two Hydro Power Stations in Himachal Pradesh, two Wind Power Stations and one Solar Power Station in Maharashtra and Gujarat it has established a new benchmark of generating 9224 million units of energy.

Chairing Review Meeting attended by Heads of Power Stations of NJHPS & RHPS, Sh. Sharma stated that the combined Team efforts of the officials manning Operation and Maintenance of both the 'Flagship Power Stations' have enabled the Company to carve out new milestones in Power Generation. Sh. Sharma stated that SJVN operates all of its Power Stations, with the highest level of competence of International Standards. In-depth monitoring of Systems with Micro planning has enabled the mega Power Stations of SJVN to consistently exceed the Design Energy and highest machine availability. On 02nd August 2021, NJHPS has generated highest Single Day generation of 39.397 MU and in July 2021 it registered highest monthly generation of 1216.565 MU. Likewise, Rampur Hydro Power Station also clocked in highest monthly power generation of 335.9057 MU in July 2021.

Sharing the future plans of SJVN, Sh. Sharma stated that the Company has chartered blueprint of its journey which is manifested in its 'Shared Vision' i.e 5000 MW by 2023, 12000 MW by 2030 and 25000 MW by 2040. He said that SJVN is executing 27 Projects in Hydro, Thermal, Solar and Wind sector in India, Nepal & Bhutan in which 06 are under operation, 08 are under construction and 13 projects are under Survey & Investigation. Expanding the horizon of its business vertical in Renewable Energy, SJVN has

been entrusted with the responsibility of expeditious development of 880 MW Solar Park in Kaza in Spiti Valley by Government of Himachal Pradesh.

During his visit to 1500 MW NJHPS, Sh. Nand Lal Sharma inaugurated Physiotherapy Centre at Project Hospital, Jhakri.

On the occasion Sh Sharma stated SJVN has always been conscious of its social obligations toward betterment of the people living in the vicinity of its projects and in NJHPS an expenditure of Rs 6877.17 lakhs has been incurred till date for developmental and welfare activities for the people.



Sh N.L. Sharma inaugurated Physiotherapy Centre at NJHPS Project Hospital

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Rs 45000 Crore from monetization of power transmission assets by FY25

Roads, Railways and the Power sectors (transmission and generation) account for nearly 70% of the National Monetization Plan. If you look in terms of specific assets, the most valuable assets from the national monetization plan are Toll Roads, Railway Stations and Telecom Towers. Let us now turn to how some of the key sectors will undertake monetization. The government aims to garner over Rs 45,200 crore through monetising power transmission assets by FY 2025 as part of its ambitious asset monetisation plan. The monetisation potential is available in this category of long-distance transmission assets. This includes a mix of Tariff Based Competitive

Bidding (TBCB) and Regulated Tariff Mechanism (RTM) assets.

The transmission assets considered for monetisation during FY 2022-25 aggregate to 28,608 circuit (ckt) kms. These include transmission assets of 400 KV and above of Power Grid Corporation of India Limited (PGCIL).

The total value of assets considered for monetisation is estimated at Rs 45,200 crore over FY 2022-25, the NMP document said. During FY22, transmission assets considered with indicative value of Rs 7,700 crore. Assets to be monetized during FY22 includes the PGCIL's InvIT issue transaction for which has already been concluded during

April-June quarter of FY22. FY23, FY24 and FY25 — Aggregate length of 23,734 ckt kms has been considered for monetisation during this period.

Out of the total transmission asset base of PGCIL, the scale of transmission assets with capacity of 400 KV and above (1.56 lakh ckt kms) was estimated. The monetisation potential is available in this category of long-distance transmission assets. This includes a mix of Tariff Based Competitive Bidding (TBCB) and Regulated Tariff Mechanism (RTM) assets.

While most TBCB assets of PGCIL are expected to be bought under the PGCIL InvIT over a period of time, inclusion

of additional assets from RTM category is critical to achieve the required scale in monetisation, it said. The transmission assets considered for monetisation over FY 2022-25 depend on factors such as transmission charges, asset availability and asset mix. The total transmission assets considered for monetisation aggregate to 28,608 ckt kms. The indicative monetisation value of the transmission assets has been considered based on a factor of Rs 1.58 crore per ckt km.

It may be noted that this is only an indicative value and the actual realisation and valuation would depend on factors such as asset profile, transaction structure and market conditions. Union Budget 2021-

22 had identified monetisation of operating public infrastructure assets as a key means for sustainable infrastructure financing.

Under the monetization plan, the government will not transfer ownership of the asset to the private partner. Only the right to operate and monetize the asset will be transferred and the core asset will be transferred back to the government at the end of the tenure. The most common form of monetization we see is in the case of toll-ways, where the operation, maintenance and revenue collection is handed over to a private party on revenue sharing basis. Niti Aayog has put out an elaborate document on the models it plans to deploy to monetize state assets.

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NEC WIRE & CABLES Launched Exclusive Range of MCB Distribution Board in Consumer Segment

After successful launch of Wires & Cables in the market and well expected by the consumer, NEC brings MCB Distribution Board which comes in two category - NEC Gold Series SPN DD DB & NEC Gold Series TPN DDDB.

Pioneering in the field of manufacturing Electrical & Technology equipments used by heavy industries, NEC Wire & Cables Launched exclusive range of MCB Distribution Board in Hotel Crown Plaza, Gr Noida. Manufacturing of MCB Distribution Board is under Make in India project initiated by our honorable Prime Minister Narendra Modi. NEC showcased their wide range of products for household & industrial use like MCB Distribution Boards, House Wire, Multicore Cables, Specialty cables, LT Power Cables.

“We are very happy and delighted to provide our consumers with the best, safe and advanced technology MCB Distribution Board with good aesthetic looks. Distribution Board is very essential parts of the electrical installation circuit to

safeguard from any short circuit and fire. Our strategy always aims to improve the product value and fulfill the highest expectation of best-in-class quality and services.” Said Mr. Prashant Srivastava, CMD, NEC Group.

MCB Distribution Boards (DBs) are primarily enclosures which are used to house protective devices like MCBs and RCCBs. Generally with people living in flats these distribution boards are located in either the drawing or living room areas which make it mandatory that these enclosures also have an aesthetic finish to match with the décor of the houses. Currently the boards available are all sheet metal boards wherein aesthetics though addressed to certain extent does not meet to a consumer's requirement. NEC's Gold distribution boards are specifically designed to meet the aesthetic requirement of a modern-day consumer. The boards have the following features:

- Deep Drawn Distribution Board with no Welds
- Magnetic Locking with no

plastic knobs.

- Scratch Resistant glossy surface with metallic paint
- Aesthetic handle to easily open the door
- Available in 3 different color options : White, ivory, Gray

Known for its impressive distribution network, high quality product range, innovation and improved products, NEC Wire & Cables continues to be one of the leading Fast Moving Electrical Goods (FMEG) and industrial power distribution equipment manufacturer. With a strong global and PAN India presence the team at NEC always believes in creating good living for their consumers by offering the latest, imaginative & cost effective product without compromising on user safety and quality.

NEC has accredited with ISO 9001-2015 and ISO 14001-2015 certification for Quality and Environment Management Systems. Equipment manufactured by us are designed & manufactured with state of the art technology and the entire range is type tested at CPRI/ERDA/ 3rd party lab as



per latest national/international standards. Our Panels are type tested up to 100KA for one second short time current withstand at CPRI.

About NEC Group

NEC is a leading Industrial Power distribution equipment manufacturer, known for its impressive distribution network, extremely high-quality product range and a strong global and Pan-India presence. The NEC range is market driven, where-constant advancement in technology compels them to

develop new and improved products. Their Tagline is Suraksha Zindagi ki is well defined with company's mission & vision. NEC was formally established in 2002 by Mr. Prashant Srivastava. The company first started as a premier manufacturer of industrial power equipment such as LV/MV panels, switchgears and motor control centers and has now forayed deeper into life and home with a superlative gamut of offerings, known for their innovation, safety and quality.



Cable Management Systems

Indiana is one of the leading manufacturers and supplier of cable tray and accessories to projects worldwide. Indiana manufacturers perforated, ladder type and wire mesh cable tray in different sizes as per the requirements of its customers.

Cable tray are manufactured with mild steel, stainless steel, aluminum sheets. Indiana offers wide range of accessories for the cable tray which include horizontal bends, vertical bends, tee's, cross and reducers to name a few.

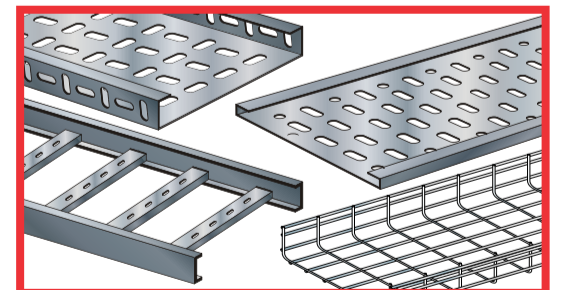
Indiana offers cable trays in various surface finish like self colour, pre-galvanized, hot-dip galvanized, painted, powder coated and others.

↑ Indiana
www.indianagroup.com

Indiana Gratings Pvt.Ltd.
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Gratings and Handrails



Cable Trays



Fabricated Structural Steel



Hindustan Zinc's Captive Power Plants win triple Gold at SEEM National Energy Awards 2020

- Captive Power Plants (CPPs) at Chanderiya, Dariba and Zawar won the awards for their efforts improving energy efficiency
- The three CPPs contributed to energy saving of 4 Million Units (MU) of electricity and overall carbon reduction of 12343 t Co2 reduction

Hindustan Zinc (HZL), a Vedanta group company has been awarded the Gold Award at SEEM Awards for best efforts towards improving energy efficiency, thereby supporting India's journey towards climate change and sustainable development. The company's Chanderiya Lead Zinc Smelter (234 MW), Dariba Smelting Complex Captive Power Plant (160 MW), Zawar Captive Power Plant (90 MW) were felicitated with the Gold Award at the SEEM National Energy Management Award Ceremony. This award is a testimony of

Hindustan Zinc's continuous efforts to monitor its energy consumption; adopt energy conservation practices and the commitment towards the reduction of a carbon footprint.

On receiving the Award, Mr. Arun Misra, CEO-Hindustan Zinc said "We recognize our responsibility to contribute to the global effort of decarbonizing footprint. We at Hindustan Zinc are committed to run our operations on low carbon and carbon-neutral technologies. Over the years, we have continuously invested in technology and increased our portfolio of renewable power to make our Captive Power Plants more green, reliable, efficient, and sustainable. This has contributed significantly to GHG saving of 12,343 tCO₂e and energy saving of 4 Million Units (MU) of electricity."

Along with the motive to reduce the company's carbon footprint on a sustainable basis through investments in green energy, the company has also

expanded its operations to renewable power businesses. The company's captive thermal, solar, and waste heat recycling power plants provide low-cost and reliable power to its operations.

During the year, the Company produced solar power of 83.43 million units, waste heat energy of 203.13 million units and wind power of 362.93 million units leading to a reduction of 551695 MT of CO₂ through green power. In FY '21 total 1 MW of ground-mounted solar power plants was commissioned taking the total solar power capacity of the Company to 40.42MW for its captive consumption. In addition, the Company has a captive capacity of 35.27 MW through waste heat recovery boilers. The 273.5 MW wind energy plants are in five states and are under long-term power purchase agreement with distribution companies. The Company has made significant investment in green energy aggregating to 349.20 MW to reduce greenhouse gas emission

and carbon footprint.

Hindustan Zinc is on a journey, one which focuses on nurturing leaders, conserving resources, improving health, safety, and wellbeing. The company aims to be the example that others wish to emulate when it comes to environmental performance, enhancing the quality of life, and fostering innovation.

About Hindustan Zinc Limited

Hindustan Zinc, a Vedanta Group Company, is one of the world's largest and India's only integrated producer of Zinc-Lead and Silver. The Company has its Headquarter at Udaipur in the State of Rajasthan where it has its Zinc-Lead mines and smelting complexes. Hindustan Zinc is self-sufficient in power with captive thermal power plants and has ventured into green energy by setting up wind power plants. The Company is ranked 1st in Asia-Pacific and globally 7th in Dow Jones Sustainability Index in 2020 amongst Mining & Metal companies. Hindustan Zinc is a certified Water Positive Company, a member of the FTSE4Good Index and has scored 'A' rating by CDP for climate change.

Being a people-first company, Hindustan Zinc believes in inculcating the values of Trust and Excellence to have a culture of high-performance in its workforce. The company takes



pride in having some of the best-in-class people practices and employee centric initiatives, which have certified Hindustan Zinc as - 'Great Place to Work 2021', 'Company with Great Managers 2020' by People Business and the PeopleFirst HR Excellence Award.

As a socially responsible corporate, Hindustan Zinc has been relentlessly working to improve the lives of rural and tribal people residing near its business locations. The company is amongst the Top 15 CSR Spenders in India and are currently reaching out to 500,000 people in 184 core villages of Rajasthan and 5 in Uttarakhand. As a market leader, Hindustan Zinc governs about 77% of growing Zinc market in India.

For further information please contact:
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- Door Bells & Remote Door Bells
- Multiplug & Auxiliaries
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- 1,000 jobs estimated to be created in the current first phase
- Capable of handling module wattage upto 640 watts
- The first largest solar manufacturing unit in the state of Tamil Nadu

Vikram Solar, one of India's leading module manufacturer and comprehensive EPC solutions & rooftop solar provider announced a new solar photovoltaic (PV) module 1.3 GW manufacturing facility located at Indospace Industrial Park, Oragadam, Tamil Nadu. With this unit, Vikram Solar's cumulative PV module manufacturing capacity reaches 2.5 GW, which is currently the largest in India. It is aligned to the Hon'ble Prime Minister's vision of making India self-reliant in solar manufacturing.

Speaking on the occasion **Mr. Gyanesh Chaudhary, Managing Director, Vikram Solar**, said, "We believe that the exponential demand surge for solar energy coupled with a clarion call globally to diversify trade markets and supply chain presents a huge opportunity for indigenous solar manufacturing. Vikram Solar is committed to enable India's Aatmanirbhar Bharat vision and accelerate the clean energy transition. We believe, our new facility further strengthens not just Vikram Solar but the Nation's solar manufacturing prowess and ecosystem. Apart from bridging the demand-supply gap for modules, our state-of-the-art facility will propel technological innovation, job creation and aid India's renewable energy targets."

Key Highlights

- Dedicated to the people of the state of Tamil Nadu
- Equipped with high-tech automation and is compliant with industry 4.0 standards
- Forward compatibility with upcoming technologies such as M12 cell modules, high-efficiency bi-facial & smart modules
- 0.13 million square ft. production area
- Proximity to the sea-port will enable faster and cost-effective transportation

Adding further, he said, "This is an extension of our endeavour to provide high quality, reliable, technologically superior products and timely delivery to our customers. It will further contribute as an R&D platform for next-gen module technology. We have extensively leveraged digitization to ensure reliable and efficient manufacturing operations. We thank the Tamil Nadu government for their continued support and conducive environment to enable ease of doing business within the state."

The new manufacturing facility has a 1.3 GW module manufacturing capacity annually and was inaugurated by the Hon'ble Chief Minister of Tamil

Vikram Solar becomes India's largest module manufacturer with upto 2.5 GW capacity; inaugurates 1.3 GW module manufacturing facility

Nadu, Mr M.K. Stalin. The state-of-the-art machinery deployed at the factory and the convergence of digitization with manufacturing will recast the global manufacturing landscape and give Vikram Solar the competitive-edge. We have implemented digital production display board, the Internet of Things (IoT), Artificial Intelligence (AI) enabled inspection for zero defect amongst various such emerging technologies. The digitization initiatives have further enabled seamless process like lean manufacturing, reducing and controlling wastages.

Vikram Solar's manufacturing footprint consists of 1.2 GW

facility in Falta, West Bengal and the new facility of 1.3 GW in Chennai, Tamil Nadu. The company has shipped over 3.5 GW PV modules globally.

About Vikram Solar:

Vikram Solar Limited is a leading solar energy solutions provider, specializing in efficient PV module manufacturing and comprehensive EPC solutions. With an international presence across 6 continents, portfolio of 1,441 MW (commissioned + under execution) and about 2,000 employees the company is an active contributor in shaping the global solar revolution. Headquartered in Kolkata, West Bengal, it is the largest PV module manufacturer in India



with cumulative production capacity of 2.5 GW. According to Bloomberg New Energy Finance, the company is a Tier-1 PV module manufacturer and a consistent 'Top Performer' in PVEL's PV module reliability scorecard. As a fully forward-integrated Solar EPC solutions provider, Vikram Solar deploys world-class technology to design, install and commission solar projects worldwide. The company has a robust

distribution network connecting more than 40 cities, ensuring the availability of solar products and solutions across 600+ locations Pan-India.

Website: www.vikramsolar.com
For further information, please contact:
Asha Bajpai Vikram Solar Limited
Mobile: 9820783566
Email: press@vikramsolar.com

Debashree Chatterjee Concept PR
Mobile: 9833275977
Email: debashree.chatterjee@conceptpr.com

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- Winning EEP (Engineering Export Promotion Council) award as Star Performer almost every year and won Skoch award for one amongst 200 best SME's.
- Design Validation of products from CPRI (India), DEKRA/KEMA (Holland), ASTA (U.K), KERI (Korea).
- RDSO Certification from Indian Railways for 25 kV Composite Insulators.
- Approvals from DEWA- Dubai / KAHRAMAA QATAR/ CESC- Kolkotta / TPDDL (NDPL), Reliance Energy Ltd., L & T, BESCOM, CESC & other International / Indian State Electricity Boards.

With more than four decades in Switchgear field... **Asiatic** pursuing its commitment from product design, development to quality up gradation has emerged as a "Trusted & Uninterrupted Power Distribution Solution Provider". Our Team Dynamism thrives on its innovative strength for ultimate customer satisfaction.

Team Asiatic is our pride and so is our environment. Century's intoxication with technology has led to the pollution of our natural resources and hazards to environment / safety became our prime concern. With core team being our foundation; we have started working extensively towards greener and safer environment not only for our employees but for whole community at large. **Asiatic** has been able to establish a model that conforms to the Environmental Management System Standard and certified to : **ISO 14001:2004** and **OHSAS 18001:2007** for Occupational Health & Safety Management System from American Systems Registrar.

With our core competency, **Team Asiatic** is rapidly expanding its product range and services and has forayed into a lot of new avenues like project business for supply, installation, commissioning and testing of **L.T./H.T. Switchgear Panels** for various upcoming projects.



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SAFETY THROUGH SWITCHGEARS!

Vision Mechatronics delivers India's first Mega Watt Scale Hybrid Energy Storage Project



The Hybrid Energy Storage Project has a combination of 'Worlds Smartest Lithium Batteries' together with tubular gel batteries (lead acid variant) to achieve economic long duration backup.

Vision Mechatronics a leading name in the Energy Storage Industry has offered a ZeroBlackout Solution to Brahmakumaris at Om Shanti Retreat Centre. The Retreat Centre have opted for a Solar based unique combination of MW scale Hybrid Battery storage system i.e., Lithium-Lead hybrid which has utilized the existing old batteries with the fresh new Lithium Batteries to have a long duration backup to ensure that there is a smooth power transition when the grid fails.

Adding further Dr Rashi Gupta, Managing Director, Vision Mechatronics who is fondly known as "Batterywali of India said, "All our work and products are developed & manufactured in India. Using a hybrid battery energy storage system has ensured that there is maximum utilization of existing resources at the time of addition of new ones to achieve a cost of energy at Grid Parity. Opting for hybrid energy storage model can help commercial entities reduce their initial capex investment by 35 to 40% for a long duration energy storage project. With the recent launch of ACC battery scheme, India offers a great opportunity for energy storage and e-mobility market and this is our contribution in making India

truly Aatmanirbhar."

Often weaker grid in remote areas cannot handle the loads connected to them and gets overloaded. Integrating solar with energy storage, a micro grid is formed which supports the conventional grid and can supply load even in absence of the grid. Lithium based energy storage is usually commercially viable only upto 4 hours, so it was important to have a commercially viable solution for 8 to 18 hours and we could achieve this by Hybrid Energy Storage which is a combination of "Worlds Smartest Lithium Batteries" together with tubular gel batteries (lead acid variant). This microgrid effectively performs the functions of Backup, Frequency Regulation, Grid Feed, Voltage

Regulation, Black Start, Smooth Power Transition, Diesel Replacement. The system also has preventive and predictive monitoring to detect faults in advance to ensure smooth and reliable functioning. Thus, this power generated from the Sun through solar panels then stored in the batteries can be used for any purpose like running the heavy-duty studios, electric irons, washing machines, community kitchen appliances, baking ovens, air-conditioners, submersible water pumps etc. and of course the lights and fans. It is clean and green energy to the campus.

The Director of the Om Shanti Retreat Centre, Sister BK Asha said, "This unique project will add a lot of value to the campus and enable us to offer wide and uninterrupted services to the society. Just as Supreme Soul is the Sun of Knowledge and offers unlimited knowledge, purity, peace and happiness to all His children, similarly Sun is also the source of unlimited light and energy for mankind and this planet. It is always beneficial to revert back to the original source for receiving energy, whether it is spiritual energy or solar energy. Thus, this project has enlightened new hopes in all of us that we can live peacefully and in harmony with nature in a sustainable way".

India's first Mega Watt Scale Hybrid Energy Storage Project in Haryana was unveiled by BK Brother CA Brij Mohan, Addl Secretary General in the presence of senior Rajyogis BK Sister Asha Director- ORC, BK Sister Shukla -Director ORC, BK Sister Pushpa - Director Brahma Kumaris Pandav Bhavan Delhi, BK Sister Neelu, BK Brother Banarsi Brahma Kumaris Mount Abu, BK Sister Geeta - Director ORC, BK Sister Chakradhari - Director Brahma Kumaris Russia, Mr. K.S.Popli- Consultant to International Solar Alliance, Dr.Rashi Gupta-Managing Director, Vision Mechatronics Pvt Ltd, BK Brother T K Singh-Director, Electromech Controls (EMC), Mr.Tobias Winter - Director at Indo-German Energy Forum SO - Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Mr. Subhramaniam Pulipaka-CEO NSEFI, Mr. Reji Pillai-President- India Smart Grid Forum also visited the site.

About Vision Mechatronics:

Vision Mechatronics is an entrepreneurial venture of Dr.

Rashi Gupta, who is fondly known as 'Batterywali of India', the pioneer of manufacturing of Advanced Lithium Batteries in India along with the "Worlds Smartest Lithium Battery". She is the Founder & Managing Director of Vision Mechatronics Private Ltd, leading it towards a name to reckon for in the field of Robotics, Renewable Energy & Energy Storage and is awarded as "Asia's Most Influential Women in Renewable Energy in 2020". Vision Mechatronics aligns with the UNDP goals to work extensively on SDGs like gender equality (SDG5), affordable and clean energy (SDG7), wherein they have maintained an equal gender representation within the organization as well work on rural electrification to brighten the lives of the economically deprived children. Vision Mechatronics is driven by technology and powered by Innovation foraying into the energy storage segment and has solutions up to 90MWh for stationary as well as EV applications. The mission is to provide energy solutions that not only work but require minimalistic maintenance, so that the user is carefree for a long time.

Website:
<https://vmechatronics.com/index.php>
About ORC:

Prajapita Brahma Kumaris Ishwariya Vishwa Vidyalaya (Estd. 1936) is a socio-spiritual Institution, working in the field of spiritual empowerment for ethical & moral rejuvenation of the society, through its centers in 137 countries. It is also a Member in the Inter-Ministerial Committee as well as the Yoga Experts Committee of the Ministry of AYUSH, Govt. of India.

The Institution has set up a training and retreat center in Northern India as **Om Shanti Retreat Centre (ORC)**, inaugurated in 2003 by the then President of India, Honorable Dr. APJ Abdul Kalam. It is a sprawling 28 acres campus built in peaceful, sylvan countryside surroundings, in Gurugram district of Haryana with ultra-modern facilities that are highly conducive for learning and development. ORC is a recognized Regional Resource Centre of Union HRD Ministry for Education in Human Values and is the largest learning and training center of Brahma Kumaris of Northern India.

Website : <https://omshantiretreat.org>



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Siderail Punching Patterns



Right Side Reducer



90 Deg. Horizontal Bend



Vertical Bend Inside



Equal tee (unequal also available)



Adjustable Vertical Coupler



Earth Flat Clamp



Cable Binder



Punched Angle Support System



Hook Clip



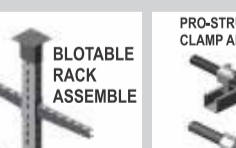
Perforated Cable tray with Cover



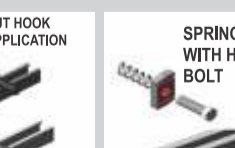
SLOTTED ZED SECTION



FLEXI CLAMP FLEXI STAND .EXI RACK

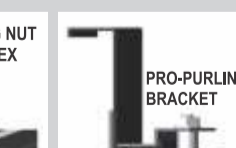


BLOTABLE RACK ASSEMBLY



PRO-STRUT HOOK CLAMP APPLICATION

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SPRING NUT WITH HEX BOLT

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HPL Electric and Power Ltd reports revenue of ₹ 129 Crores in Q1 FY'22, registers 34% year on year growth

● EBITDA at ₹ 9.8 Crores, a growth of 48% YoY in Q1 FY22
● 'Metering' & 'Consumer' (B2C) Segment registers a growth of 40% YoY and 31% YoY

HPL Electric and Power Ltd (referred to as the "Company"; NSE Symbol: HPL, BSE Scrip Code: 540136), has reported revenue of ₹ 129 Crores in Q1 FY'22. The revenue of the company has grown by 34% year on year.

The Metering business revenue registered a strong growth of 40% YoY to ₹ 49.4 crores. However, the performance of the Metering business was impacted as the inspection and dispatches was halted due to COVID-19 related lockdown and restrictions. The inspection and enquiries has started gaining traction in Q2 FY22.

In the 'Consumer' segment (including non-utility meters) performance too was muted by the lockdown. However, the 'Consumer' segment revenue grew by 31% YoY to ₹ 80 crores in Q1 FY22. The switchgear segment revenue at grew ₹ 23.7 crores in Q1 FY22, a growth of 4% YoY.

Similarly, the lighting segment & the wires and cables segment revenue grew by 33% YoY and 35% YoY, respectively to ₹ 37.6 crores and ₹ 18.2 crores in Q1 FY22. The revenue share of the Consumer segment stood stable at 67% in Q1 FY22 & Q1 FY21, respectively.

The company EBITDA surged by 48% YoY to ₹ 9.8 crores with the EBITDA margin at 7.6%. The EBITDA Margin expanded by 71 bps YoY to 7.6% in Q1 FY22 due to a sharp decline in the raw material prices.

The company bottom-line was primarily impacted by the under absorption of fixed costs (including the interest cost & depreciation). However, the actual cash loss during the quarter was restricted at ₹ 6 crores.

Mr. Gautam Seth, Joint Managing Director, said, "The Company's revenue for the first quarter registered 34% YoY growth to ₹ 129 Crores as compared to the corresponding quarter last year, though on a lower base. The metering segment's traction was hindered due to lower inspections and dispatches led by COVID-19 restrictions and lockdown, severely impacting the momentum gained in Q4 FY21. However, the Metering business revenue grew by 40% YoY to ₹ 49 crores in Q1 FY22.

Consolidated Performance Highlights				
Particulars (In ₹ Cr)	Q1 FY22	Q1 FY21	Fy21	Fy20
Revenue from Operations	129.0	96.2	875.1	976.6
EBITDA	9.8	6.6	119.0	124.9
EBITDA Margin %	7.6%	6.9%	13.6%	12.8%
Cash PAT	(8.2)	(8.7)	59.0	68.0

The Consumer segment sentiments too remained muted during Q1 FY22 due the nationwide severe second wave of COVID-19. We are now witnessing strong traction in Q2 FY22 across our segments with pick-up in Meter dispatches and increase in demand in the Consumer segment. Going

ahead, we have a strong order book position of ₹ 685 Crores ensuring revenue visibility for the current year.

The Company is on a sweet spot from a Smart Meter perspective with the Government earmarking of ₹ 225 billion towards installation for 25 crores smart prepaid meters across the nation

under the ₹ 3-lakh-crore power distribution scheme. The Government is expected to float ~ ₹ 2,500 crores (existing and tenders in pipeline) Metering tenders resulting to picking up in enquiries, participation and winning of smart meters tenders amongst the industry players.

We are very positive about the opportunities in the smart metering space as both the public and private power distribution companies are progressively shifting focus towards installing smart meters, replacing the conventional meters.

We have a diversified strong portfolio of electrical equipment catering to multiple market demands. We are positive on the long-term growth trajectory of the Consumer segment powered by the onset of the festive season, a pick-up in the economic activity, improved consumer sentiments and renewed government focus, funding and attention to the overall infrastructure sector. Thanks to our increased R&D capabilities, our exports have grown at a notable pace of 71% YoY. We expect the momentum

contd. on page 14

Moisture in Oil Transmitters

Applications:
To Measure Moisture in Transformer oil. Ship engines

Dewpoint Transmitters

Applications:
Monitoring of Dewpoint in SF6 gas. Compressed Air System. Dryers.

Pressure Transmitters

Applications:
Measure Pressure in SF6 gas in switch gears and circuit breakers Hydraulic/ Pneumatic Systems.

Humidity & Temp Transmitters

Applications:
Monitoring of Humidity & Temp in Nuclear Reactor Rooms. To Measure Rh & Temp inside the gear box of wind mills

LVDT

Applications:
In steam Turbines. Valve Positioning. Nuclear Reactors. Balancing Systems Automotive Systems

Jupiter Electronics

Jupiter Integrated Sensor Systems pvt Ltd (ISO 9001-2008)
A 401, Kailash Indl Complex, Behind Godrej Colony, Nr.ParkSite, Vikhroli (W), Mumbai-79, India.
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Email: sales@jupiterelectronics.co.in, keyur@jupiterelectronics.co.in, prashant.patil@jupiterelectronics.co.in
moreshwar@jupiterelectronics.co.in, Web: www.jupiterelectronics.com



DATA CENTER SOLUTIONS

Legrand Data Center Solutions Introduces Infinium to offer enhanced network performance to Data Centers

- Lowest channel connection loss with 67% improvement over industry standard systems
- Enables accessibility to 400G and beyond
- Increases green infrastructure rating by contributing to LEED points

Legrand Data Center Solutions, a group of global brands delivering integrated data center solutions, today unveiled the Infinium Quantum Fiber System designed for advanced data center applications. Infinium Quantum is an industry leading lowest loss optical fiber system offering a 67% improvement over industry standard systems. With this launch, the company envisions to offer higher efficiency, flexibility, and scalability to the growing data center needs, without additional costs.

On the launch, Sanjay Motwani, Business Head of Legrand Data Center Solutions

says, "As we see the exponential growth in data generation, the ability to process this data quickly, securely with architectures to support high density workload becomes crucial for data centers. As technology partners, it is critical that we help businesses navigate these challenges of scaling network capacity and connection loss issues. Infinium Quantum is the solution to improving performance with enhanced network capacity that is beyond the current industry standards. We are confident that with this product, data centers will be able to achieve the desired demands of the marketplace.

Infinium is an advanced structured cabling solution fabricated of enclosure, cassettes, trunks, patch cords and panels designed to yield the lowest performance loss in data centers to manage today's fast-moving markets. Characterized by performance, Infinium Quantum is engineered to 'Unlock Agility', enabling greater sustainability,



future scalability, and lowest total channel connection loss. Infinium also reduces overall energy consumption by up to 30%, which contributes to Leadership in Energy and Environmental Design (LEED) points, the most widely used green building rating system in the world.

Infinium is an innovation that grows with the network and opens accessibility to 400G and beyond, which is key to hyperscalers. Its easy, tool-less

adjustment features combine connectivity products with purposefully designed cabinets, racks, and power. All this combined provides flexibility and ease of installation into any data center, saving time and providing easy access to routing and patching areas of the enclosure. Data centers will take center stage in driving competitive advantage, consumer experience and profitability.

About Legrand Data Center Solutions

Legrand Data Center Solutions brings together its award-winning portfolio of global brands including Legrand, Cablofil, Numeric, Raritan & Server Technology under one specialist team of data center experts to deliver an integrated data center infrastructure portfolio. Driven by the need for agility in today's data center

environments across on-premise, in the cloud or at the edge facilities, Legrand Data Center Solutions deliver an infrastructure layer that is flexible, user-centric and responsive to change with minimal efforts & costs.

About Unlock Agility

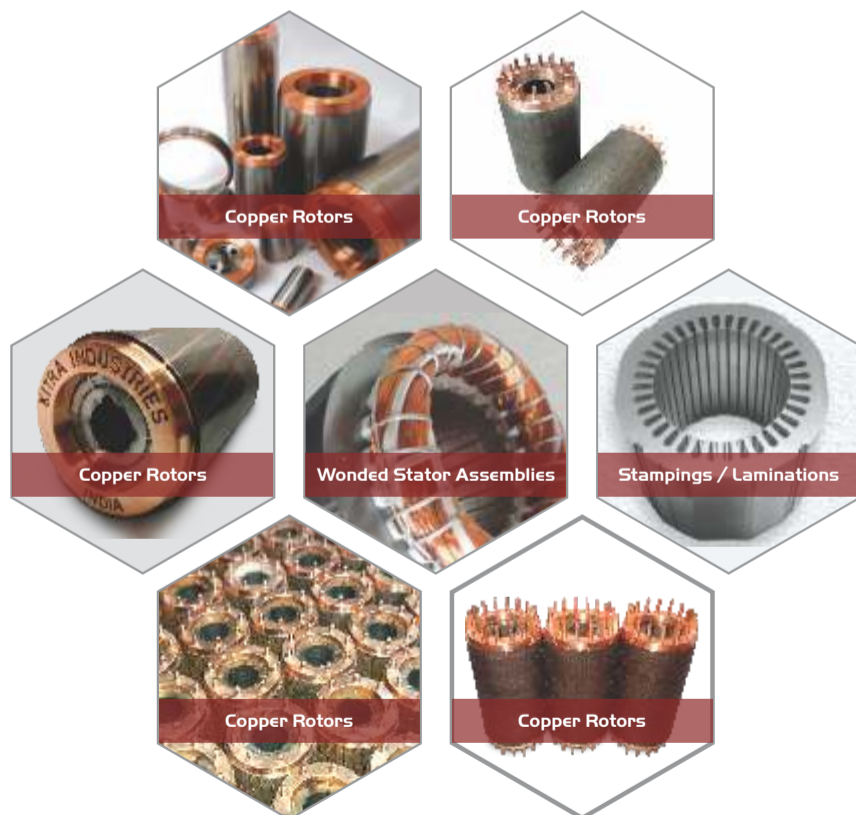
Legrand Data Center Solutions helps businesses with end-to-end design and offers solutions to enable agility in the existing data center infrastructure. The brand identifies seven key aspects with which they are enabling businesses to unlock agility – Scalability, Reliability, Ease of Operations, Optimization, Flexibility, Security, and Open Systems. Legrand Data Centers Solutions provides solutions with the blend these seven aspects giving businesses an edge in the market.



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contd. from page 13

HPL Electric and Power Ltd

to sustain as we make firm inroads to new export markets.

We will continue to undertake cost rationalisation initiatives and implement lean methodology for enhancing our overall profitability. Overall, the Company is confident to sail through the near-term challenges and create sustainable value for its stakeholders."

Robust Order Book

- Consolidated current order book stands at ₹ 685 crores (net of GST)
- Metering orders of ₹ 282 crores
- Switchgear orders of ₹ 173 crores
- Lighting orders of ₹ 71 crores
- Wires & Cables orders of ₹ 159 crores

About HPL Electric and Power Ltd

HPL is an established electric equipment manufacturing

company in India, manufacturing a diverse portfolio of electric equipment, including, metering solutions, switchgear, lighting equipment and wires and cables, catering to consumer and institutional customers in the electrical equipment industry. HPL had the largest market share in the electricity energy meters market in India, with one of the widest portfolios of meters in India and the fifth largest market share for LED lamps during the corresponding period (Source: Frost & Sullivan Report, February 2016). HPL's manufacturing capabilities are supported by a large sales and distribution network with a pan-India presence. HPL currently manufactures and sells its products under the umbrella brand 'HPL', which has been registered in India since 1975.

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E-mail: sambit@conceptpr.com

Vikash Verma Dickenson World
Tel: +91 9664009029 Email: hpl@dickensonworld.com

For further information on HPL Electric & Power Limited see www.hplindia.com



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Frontec, Started operations in 1987, in Kolkata. Over the Years, Frontec has localized a majority of its Manufacturing.

Today, Frontec manufactures over 75% of the items in its Kits in-house.

Imported content in our Kits constitutes Less than 4%

In the past 30 Years, Frontec has serviced several Prestigious customers (both SEB's as well as large Private Contractors) in India. Frontec has the Capability to customize and develop specialized Shapes/sizes of Heat Shrinkable Products for and exports several proprietary Heat Shrinkable Components to Key Customers across the globe.

Some of Our Product lines:

- LT Jointing Kits
- 11 and 33 KV Terminations
- 11 and 33 KV Straight Joints
- Tab Off Connectors for AB Cables
- AB Accessories
- Anti-Track Tubing
- HS Components
- Jointing Services
- Consultancy & Troubleshooting

FRONTEC, A GOOD PLACE TO DO BUSINESS

All Frontec products are manufactured at our Factory, Located just off main NH48, barely 22 km from IGI Airport



CABLE JOINTING KITS

KEY COMPONENTS

Frontec manufactures all major HS components inhouse :

- Anti-track Red Tubing
- Good Insulation Thickness
- Rain Skirts for Creepage
- 3 Finger Breakouts



Photographs (in clockwise order from top right)

1. Frontec Outdoor Termination Kit ~ 2019
2. Frontec Indoor Termination Kit ~ 2018
3. Frontec Straight Joint during installation
4. Frontec Indoor Termination ~ 2005
5. PILCA Straight Joint Installation ~ 1993
6. 33KV Termination being installed under supervision of Mr Ashok Saigal ~ 1979
7. Frontec Termination Kit at DLF Gateway tower ~ 2003

- Cable End Termination Kits

- Straight Through Joints

Suitable for a range of Cables Sizes and Types

Type Tested at CPRI for
LT, 11KV and 33KV



TAP OFF (TEE) CONNECTORS

Suitable for a range of Cables Sizes
MVT and SMVT are based on Post Type Insulators
STOC is based on Pin Type

Type Tested for 11KV
Also Available for upto 33KV

- Fully Insulated Porcelain (MVT)
- Fully Insulated Silicon (SMVT)
- Shrouded Type (STOC)



Photographs (in clockwise order from top right)

1. Frontec STOC Typical installation
2. Frontec SMVT
3. Frontec Porcelain MVT
4. Frontec STOC
5. Installed MVD, Kandhaghat
6. Typical installation use for Tap Off Connectore



KEY FEATURES

MVT and SMVT connectors offer a safe and fully insulated method for loop in/loop out from AB cable networks.

Made using Frontec Anti-Track Material Preferred as an alternative over AB cable straight through joints

Can be provided with optionally available Resealable silicon shroud covers

COMPONENTS & SPECIALS

Frontec manufactures all major HS components inhouse. Heat Shrinkable Moulded Shapes & Tubings, are available for B2B sales in Gray Insulating or Red Anti-Tracking Material. Standard Shapes Include

- Rain Skirts
- 3 Finger Breakouts
- Anti-Track Tubing



Due to in-house manufacturing expertise, Frontec is able to innovate and develop products which have immense practical utility and are greatly appreciated by the end user.

Namaste Joint Covers:

Developed for a project in Goa, A removable and reusable piece to cover back to back bolted lugs in upward facing terminations. This is intended to prevent bird faults as well as insulate exposed portions.



Constant Force Roll Springs:

Soldering of the earth to screen is prescribed by jointing kit manufacturers, but seldom practiced.

These Roll Springs ensure constant firm contact, without danger of damage due to overtightening.



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