

VOLTECH VISTA

• QUARTERLY MAGAZINE OF VOLTECH GROUP •

24th

ANNIVERSARY BOUQUET

Glimpse of Anniversary

Article on Pg. No. 56

HR Caucus Celebrations

Pg. No. 70

VOLTECH
EXCELLENCE IN ENGINEERING PRODUCTS & SERVICES

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What's In...





MD's Desk

The year 2019 will forever be etched in my memory for being a bittersweet annum of many ups and downs. There were moments of triumphs and personal tragedies. This year, we inaugurated our best ever factory at Cheyyar and reached out to more people than ever before through our CSR efforts. Our group opened new offices across three continents. Our businesses continued to bring in revenues and acclaims, earning even the discerning respect of some of the biggest players in the world. But I grieve the losses as well. The death of my dearest father, who gave me life, was a personally shattering moment as he had been the driving force behind me throughout my life and the inspiring beacon of Voltech. I am inconsolable over his loss. His absence is very difficult for me to bear. I have also had to face upheavals on the personal front. The GST audit visit in November was a wake-up call for our group. With tight budget spends this year stressed due to pending payments, I have continued to emphasize to all my employees that

cost-cutting is a collective effort and must be followed with discipline and rigour.

IC-D1 gave a strident start to the last quarter with a ₹ 9 million contract clinched from Tata Steel amidst stiff competition. IC-M2 took a significant ₹ 14 million contract from TANTRANSCO for VCB Panels. This is also IC-M2's first ever contract with TANTRANSCO. Aside from this, the division received a major ₹ 3 million project for installing Voltech RMG's at various Southern Railway Division stations. The Switchgear division IC-M2 also got a major overseas project in the Arabian Gulf from L&T for LT Panels. It also notably marked its foray into Burundi, expanding its reach and influence in Africa. Significantly, it must be mentioned that the contract was clinched with documents submitted in the French language. Without doubt, IC-M2 has made its mark and has emerged the star division of this quarter.

The Flameproof Equipment division also obtained significant orders from the pharmaceutical and cement industries. IC-M5's order from Precia Malen is significant as the equipment had to pass through a set of extremely stringent and punitive tests before final approval. IC-M5 has obtained orders exceeding ₹ 5 million this past quarter. I congratulate the IC-M5 team for their gains, and pray for hearing good news in the coming quarters. It's always a proud moment for me when one of my divisions come out into their own. IC-M5 has faced challenges in the past, but these recent gains show us that no obstacle is insurmountable.

IC-M1 bagged a massive ₹ 77 million project for high capacity transformers. The ratings of the transformers in this project are very much crucial as they are only supplied by an elite few players in the Indian market. This was superseded by an even bigger ₹ 102 million order from L&T in Jammu region. Yes, it's gratifying to know that L&T is a regular customer of our transformers division now! We hope to make strong business foundations with other major players in the market as well. Lastly, IC-M4 received its highest ever purchase order of ₹ 23 million through the E-tendering process. It also received its first international purchase order at Burundi for battery chargers. I congratulate and express my wishes to all those involved in these successes.

The economic circumstances prevailing upon our country is expected to continue into the foreseeable future. While our international business continue to buffet these upheavals, it is important that we are

prepared to meet challenges head on. Especially with our government clients, sometimes payments get delayed due to administrative processes, but this should not result in a cash crunch that impedes our day-to-day businesses. In foresight, I have constituted an initiative to identify different cost centres at each of our deployed assets and institute a KPA policy of personal accountability for every employee. I cannot stress this enough that no action of collective savings will ever succeed with the efforts of just a few. All must participate wholeheartedly.

We are going to usher in a new year, and a new decade folks! This past decade has been one that has yielded fruits and rich dividends for our group. Perhaps, in its 25 year history, the decade of 2010-2019 was the most significant for Voltech group. Let us collectively toil to make the coming better even better. I am also working closely with the heads of various divisions to reach our 2020 targets in earnest.

Lastly, I leave these words as a reminder for the eternal light of my life, my father. I thank all those who mourned his loss with me, and for the multitudes who attended the funeral. The great responsibility of the MUVA Charitable trust is now resting on my shoulders. I pray that I can carry forward this great legacy, and prove my cause worthy to my fathers' departed soul.

"He didn't tell me how to live; he lived, and let me watch him do it."

- Clarence Budington Kelland

Mr.M.Umapathi


Designer's Note

It reflects the increasing importance of design in arts and culture that several noteworthy design week fests were held through much of this year across all major continents. Closer to home, the Kochi Design week held between 12th to 14th of December was a feebly reported, but culturally significant event where designers across myriad fields disrupted, imagined, ideated, innovated and designed for the future. This was only the second ever edition of India's largest design festival, and I followed the hashtag #KDW very closely. I was sorry for not being able to attend, as this would have provided me a platform to learn and interact through workshops, panel discussions, exhibitions about architecture, music and food.

However, the real icing on the cake was the event held in Dubai only a month earlier. The Dubai Design Week covered a range of design disciplines including architecture, product design, interiors, multimedia and graphic design, with the majority of events being free to attend and accessible for both industry and public. The accessibility provided a huge platform for those curious to explore the realms of what's possible. It was a more publicized and globally recognized event, held at a world famous location which was a melting pot of cultures, and a catalyst for modern economic growth. The highlight of this programme was the Grad show which brought in participants from over a hundred universities worldwide. If recruiters were ever wondering, this was where design meets opportunity.

I was sorry to have not attended either event due to a tight schedule, as they would have given me considerable inspiration to take my efforts with the magazine forward. My portfolio within design at Voltech has also expanded, allowing me more opportunity to explore and experiment. I have worked on an electrifying theme for this issue, with a series of curated pages that are futuristic, catch user's attention and more influenced by the internet culture. My effort has been concentrated on the design of the future and the future of design. I hope you will enjoy my work, and reach back to me as I invite you to flip over the pages.

Your friend in creation,
Mohammed Hafeez.V.H
Sr.Graphic Designer

Follow me @



Vistorial

The future of mobility is truly electric, and Voltech may have a big role to play in it. As was noted by a leading automotive magazine, the present day players and challengers in the electric vehicle scenario are not automotive companies, but industries not linked directly to automobiles. This is because they had the expertise, knowledge and know-how to for this new market sector. The famed industry doyen, Shri. Rahul Bajaj had in fact remarked that many of these entrants were those previously manufacturing household appliances, as was evidenced by the phenomenal growth in China. All major international EV manufacturers have already set up base there. India has had a relatively slower start, but is catching up soon. This could be a window of opportunity.

The evidence is disruption caused by Electric mobility is everywhere. Automotive giants that were once at loggerheads with each other are now partnering to develop platforms and drivetrains. With costs going up for new product development, shortened product life-cycles and razor thin profit margins, it was becoming impossible for these mammoths to release a slew of new products every other year. It only serves to show that nothing is permanent in this world, and change is the only constant.

It is reassuring however, that Voltech's business intelligence units are studying the market disruptions and evolutions carefully to prepare a blueprint for the future. As Voltech's business portfolio evolves, in a dynamic global economy, our core-strengths may find applications in newly emerging areas. The only mantra for large businesses is never to under-estimate smaller companies and newly emerging technologies which do not have mass popularity. As times change and tasted evolve, customers will move out. This was what happened with Eastman Kodak. History is a great teacher, and a diligent student will do well to learn. Voltech has always been respectful of market climate and consumer sentiments, and this was what has led us to the forefront of the market. To stay there, we must work harder and keep our eyes open for the changes around us, however sublime and small.

This issue marks the culmination of the final Vista of the decade, and what a transformation it was! From what was once a 2-page flyer printed on plain paper to a full-fledged magazine in its own right, Vista has moved from strength-to-strength. We have listened and paid attention to feedback from every quarter and we have tirelessly worked to improve. As we step into a new decade in what is perhaps most important for the group, we too will be listening in on the sights and sounds of our surroundings to change as time, and perhaps our customers would want us to...



IC-D1

INDEPENDENT COMPANY - DOMESTIC 1

CLUSTER A

CHENNAI

- Testing and Commissioning of Electrical Equipment at your IKEA Mumbai-MH project from Larsen & Toubro Limited to value of **332,000 INR**
- Testing and Commissioning of Electrical Equipment at your Kochi project from Kool home Builders to value of **47,000 INR**.
- Testing and Commissioning of Electrical Equipment at your Tirupur and Vagarai, Dindigul project from BVD Power Pvt Ltd to value of **548,000 INR**
- Testing and Commissioning of Electrical Equipment at your Cooch Behar amendment - 1 from Larsen & Toubro Limited to value of **523,000 INR**
- Testing and Commissioning of Electrical Equipment at your Mangalore amendment - 1 from Siemens Limited to value of **299,000 INR**

HYDERABAD

- Testing and Commissioning of Electrical Equipment at your Kudligi and Itligi project from Lanarsy to value of **1.42 MINR**
- Testing and Commissioning of Electrical Equipment at your IOCL- Paradip project from Punj Lloyd Limited to value of **1.15 MINR**
- Testing and Commissioning of Electrical Equipment at your SAJL Bhilai Plant project from Tata Project Ltd to value of **944,000 INR**
- Testing and Commissioning of Electrical Equipment at your NMDC - Nagarnar Amendment project from Tata Project Ltd to value of **944,000 INR**
- Testing and Commissioning of Electrical Equipment at your Rajasthan project from Grossmacht Engineers Pvt Ltd to value of **516,000 INR**.
- Testing and Commissioning of Electrical Equipment at your NMDC - Nagarnar project from Beekay Engineering Corporation to value of **459,000 INR**.

BANGALORE

- Testing and Commissioning of Electrical Equipment at your PGGI Package project from ABB India Limited to value of **3.18 MINR**.
- Testing and Commissioning of Electrical Equipment at your Bangalore project from KGN Electricals to value of **3.05 MINR**.
- Testing and Commissioning of Electrical Equipment at your HZL- Zowar Mines amendment project from ABB India Limited to value of **708,000 INR**.
- Testing and Commissioning of Electrical Equipment at your BMRCL project from Alstom Transport India Ltd to value of **421,000 INR**.
- Testing and Commissioning of Electrical Equipment at your IPPL Haldia project from ABB India Limited to value of **283,000 INR**.
- Testing and Commissioning of Electrical Equipment at your Sonarbangla Cement, Farakka project from ABB India Limited to value of **160,000 INR**.
- Testing and Commissioning of Electrical Equipment at your Biocan - Amendment project from Siemens Limited to value of **119,000 INR**.
- Testing and Commissioning of Electrical Equipment at your NRL - Numaligarh project from ABB India Limited to value of **106,000 INR**.

ONG

- Testing and Commissioning of Electrical Equipment at Paradip from Praxair India Private Limited to Value of **141,000 INR**.

CLUSTER B

NORTHERN REGION - DELHI

SOLAR & WATER

- Testing and Pre Commissioning of Electrical Equipment at your Kayathar & Allagabad from Larsen & Toubro Limited to value of **806,000 INR**.
- Testing and Pre Commissioning of Electrical Equipment at your Various from Larsen & Toubro Limited to value of **723,000 INR**.
- Testing and Pre Commissioning of Electrical Equipment at your various project sites from Sterling and Wilson Pvt Ltd to value of **703,000 INR**.
- Testing and Pre Commissioning of Electrical Equipment at your Bellampalli, NTPC Rajgarh from TATA Power Solar Systems to value of **475,000 INR**.
- Testing and Pre Commissioning of Electrical Equipment at your Chhattisgarh - Raigarh and Pune - Chakan from Bosch to value of **335,000 INR**.
- Testing and Pre Commissioning of Electrical Equipment at your Diadia from Site Works to value of **265,000 INR**.
- Testing and Pre Commissioning of Electrical Equipment at your Aurangabad from Larsen & Toubro Limited to value of **120,000 INR**.

- Testing & Commissioning of Electrical equipment at Amrapali from Larsen and Turbo Limited to Value of **2.33MINR**
- Testing & Commissioning of Electrical equipment at Kolhamangalam from Siemens Ltd to Value of **2.04 MINR**
- Testing & Commissioning of Electrical equipment at Tamilnadu from Renew Solar Services Ltd to Value of **1.91 MINR**
- Testing & Commissioning of Electrical equipment at Jhatikara & Saharanpur Amendment Project from Power Grid Corporation Ltd to Value of **1.91 MINR**
- Testing & Commissioning of Electrical equipment at Various Project Amendment from Siemens Ltd to Value of **961,000 INR**.
- Testing & Commissioning of Electrical equipment at Sec 65& 95 Amendment from Kalpataru Power Transmission Ltd to Value of **831,000 INR**.
- Testing & Commissioning of Electrical equipment at DAHEJ, Gujarat from Siemens Ltd to Value of **743,000 INR**.
- Testing & Commissioning of Electrical equipment at Chappra Bihar Amendment from Siemens Ltd to Value of **669,000 INR**.
- Testing & Commissioning of Electrical equipment at MRPL Project Site from Schneider Electric Ltd to Value of **462,000 INR**.
- Testing & Commissioning of Electrical equipment at Muzaffarpur from KEI Industries Ltd to Value of **175,000 INR**.

IC-D1

INDEPENDENT COMPANY - DOMESTIC 1

CLUSTER B

WESTERN REGION - MUMBAI AND VADODRA

- Testing and Commissioning of Electrical equipment at your Dombivali sites from Sterling Electro Enterprises Ltd value of **3.14 MINR**
- Testing and Commissioning of Electrical equipment at your Gorakhpur Project site from Elmatics Engineers Pvt Ltd value of **1.80 MINR**
- Testing and Commissioning of Electrical equipment at your Pune site from Evio Private Limited value of **1.43 MINR**
- Testing and Commissioning of Electrical equipment at your Aurangabad site from Asha Electricals value of **1.35 MINR**
- Testing and Commissioning of Electrical equipment at your Kochin site from Konstelec Engineers Pvt Ltd value of **578,000 INR.**
- Testing and Commissioning of Electrical equipment at your Bathinda site from offshore infrastructure Ltd value of **531,000 INR.**
- Testing and Commissioning of Electrical equipment at your Project site from FLS Midth value of **284,000 INR.**
- Testing and Commissioning of Electrical equipment at your Khandwa sites from Larsen & Toubro Limited value of **251,000 INR.**
- Testing and Commissioning of Electrical equipment at your Khargpur site from Siemens Ltd value of **214,000 INR.**
- Testing and Commissioning of Electrical equipment at your Samudra site from Chowgule and Company Pvt Ltd value of **103,000 INR.**

EASTERN REGION

KOLKATA

- Testing and Commissioning of Electrical Equipment at New Kohima Project site from Techno Electric & Engineering Co Ltd to value of **980,000 INR.**
- Testing and Commissioning of Electrical Equipment at Dharamjarah & Siliguri Project site from Techno Electric & Engineering Co Ltd to value of **305,000 INR.**
- Testing and Commissioning of Electrical Equipment at Raigarh Project site from Techno Electric & Engineering Co Ltd to value of **277,000 INR.**
- Testing and Commissioning of Electrical Equipment at RA Mines Project site from McNally Bharat Eng. Co Ltd to value of **230,000 INR.**
- Testing and Commissioning of Electrical Equipment at HMEL Project site from Linde India Limited to value of **188,000 INR.**
- Testing and Commissioning of Electrical Equipment at Kameng Project site from Techno Electric & Engineering Co Ltd to value of **150,000 INR.**
- Testing and Commissioning of Electrical Equipment at Teok Project site from Sterling & Wilson Pvt Ltd to value of **150,000 INR.**
- Testing and Commissioning of Electrical Equipment at Durgapur Project site from Intelligent Solution Ltd to value of **135,000 INR.**

BHUBANESHWAR

- Testing and Commissioning of Electrical Equipment at Dhenkanal Project site from Tata Steel-BSL Ltd to value of **8.85 MINR**
- Testing and Commissioning of Electrical Equipment at Mahasamund TSS Project site from Corba Instalaciones Y Servicios to value of **201,000 INR.**

CLUSTER B

ATT

- Providing testing of transformers at your Lanjigarh site from Vedanta Limited to Value of **272,000 INR.**
- Providing testing of transformers at your Haldia site from O & M Solutions Pvt Ltd to Value of **226,000 INR.**
- Providing testing of Generators for 12MW Turbine at your MSPL from Valtech O & M Services Pvt Ltd to value of **195,000 INR.**
- Providing RLA works of 2*600MW thermal Power Plant at your project sites from Adani power Ltd to value of **125,000 INR.**
- Providing Repair and Servicing, Plant & Machinery works at your project site from Trident Group to value of **65,000 INR.**
- Providing Repair and Maintenance of conducting IR thermography works at your Sriperumbudur project site from Praxair India Pvt Ltd to value of **37,000 INR.**
- Providing Repair and Maintenance of conducting underground cable detection works at your Sriperumbudur project site from Praxair India Pvt Ltd to value of **29,000 INR.**

RAIPUR

- Providing testing of transformers at your Siltara site from Sarda Energy & minerals Ltd to Value of **170,000 INR.**
- Providing testing of Electrical Equipment your VGL Project Site from Vandana Global Ltd to Value of **141,000 INR.**
- Providing testing of Electrical Equipment your Raipur Project Site from Godawari Power & Ispat Ltd to Value of **47,000 INR.**
- Providing testing of Electrical Equipment your Raipur-Dilda Project Site from Sambhav Sponge Ltd to Value of **47,000 INR.**
- Providing testing of Electrical Equipment your Angul Project Site from SS Electricals to Value of **35,000 INR.**

HVDC

- Providing HVDC Testing and Commissioning services at Raigarh-Amed 1 project sites from ABB India Ltd to value of **854,000 INR.**
- Providing HVDC Testing and Commissioning services at Pugalur-Amed 1 project sites from ABB India Ltd to value of **854,000 INR.**
- Providing HVDC Testing and Commissioning services at Trichur-Amed 1 project sites from Siemens Ltd to value of **125,000 INR.**



IC-D1

INDEPENDENT COMPANY - DOMESTIC

Achievements

GE Achieves Guinness Record, Major role played by Voltech Group

GE Achieves Guinness Record for their Great Team Success "Mission 72" by initiating a new challenge for the replacement of 800kV HVDC Converter transformers. With the help of Voltech Group engineers, GE has completed the replacement and demonstration in 56 hours.

GE Achieves Record Transmission of Power on a Super Energy Highway in India

- With Pole 3 of the Champa-Kurukshetra ultra-high-voltage direct current (UHVDC) project complete, this DC link is now transmitting more electricity than any other DC link in India.
- The ±800 kilovolts (kV) UHVDC transmission line is a crucial component of the Indian government's electricity-for-all initiative, providing reliable electricity for 46 percent of its population.
- Upon completion, the 1,305-km link will have the capacity to transmit 6,000 megawatts (MW) of electricity at ±800kV, making it one of the largest generation-to-consumption transmission systems in the world.
- Voltech proudly declares that we played a major role in successful completion of UHVDC Project.

Successfully Completed 500,000 Man-Hours at RP800 HVDC Project, Raigarh & Pugazhur



Our HVDC Team with the received award



Our Engineer receiving the award from ABB Team



Our Engineer receiving the award from ABB Team



Successfully completed Pole-1 Pugalur station OLT

ICD1 - EHS Training



Toolbox talk at ABB HVDC - Pugalur



Life Saving Rules Training at GE HVDC - Champa



Risk Assessment Training at ABB - HVDC - Raigarh



Electrical Safety Training at ABB - HVDC - Raigarh



SIEMENS - Ranchi (Eastern Region)



SIEMENS - Bharuch (Northern Region)



SIEMENS - Marwar Mundwa (Northern Region)



Elamatics - Gorakpur (Western Region)



Our Engineer Mr. Althaf Ahmed working at TATA Power, Joda



Training Programs completed at L&T Hydrocarbon Engineering Ltd for Testing of LV/MV/HV Switch gears/Transformers/ Motors

IC-D2

INDEPENDENT COMPANY - DOMESTIC 2

MAJOR ORDERS

- Maiden Order received from JCI - Hyderabad for Supply and Installation of BMS worth of **10.1 MINR**
- First order bagged from Gujarat Energy Training & Research Institute (GETRI) for Training Programs on Testing & Commissioning of substation - Tests, Checks and safety Precautions worth of **231,000 INR**.
- Received order from L&T Hydrocarbon Engineering Ltd for Testing of LV/MV/HV Switch gears/Transformers/ Motors training worth **88,000 INR**.
- Bagged order from TATA Power, Karnataka for AMC testing of relays worth of **620,000 INR**.
- Order received from Azure Power, Tadipatri for transformer repair, service & testing worth of **2.5 MINR**
- Maiden job executed directly to Department of New & renewable energy, Nagaland (Government) worth of **275,000 INR**.
- Successfully introduced our METICC calibration activities to Powertech, Jharsuguda project worth as **350,000 INR** per annum.
- First valuable work order received from M/s. Siemens - Mobility division for supply of test bench worth as **480,000 INR** with 60% advance payment term under Relay Repair & Service division

- Second year calibration order received from M/s. Cairn - Barmer for Met lab worth as **1.05 MINR**
- We have received the valuable work order from Phillips Carbon Black Ltd, Cochin worth as **720,000 INR** for Scheme checking and testing of protection systems.
- Repeated order received from M/s. HZL and M/s. Vestas worth as **1.1 MINR**
- Repeat order received from MB power worth of **1.23 MINR**
- Successfully completed the Vedanta - Jharsuguda Unit-1, IPP shutdown activities through M/s. Powertech.
- We have been enrolled two more new customers in our domain like M/s. SGS India Pvt Ltd and M/s. Marson Electricals.
- After Mr. Muralidharan visit @ Mumbai we had received the order worth as **570,000 INR** from SGS India Pvt Ltd.
- Substation Automation system of 400/220kV PGCIL, Vizag was successfully completed.
- Upgradation & commissioning of Substation Automation was successfully completed at Vizag Steel Plant, Vishakhapatnam.
- Upgradation of HMI, SAS & Digsis at 400/220kV PGCIL, Warangal was successfully completed.



Successfully completed the testing of relays at SAMUDRA PRABHA Ship which is in offshore service since 1986 & It's a property of ONGC, Mumbai.



Our Engineer Mr. Saravana Kumar & Mr. Karunagarar testing the relays at 4x210 MW NTPC, Dabri



Our Engineers Testing the Earth Pits at Cairn India Ltd, Barmer

IC-D2

INDEPENDENT COMPANY - DOMESTIC



Successfully completed Training Programs at Gujarat Energy Training & Research Institute (GETRI) on Testing & Commissioning of substation - Tests, Checks and safety Precautions



Our Engineers got Appreciation from our customer for following the Correct Safety Norms at JCI Hyderabad site.



Successfully completed Training Programs at L&T Hydrocarbon Engineering Ltd for Testing of LV/MV/HV Switch gears/Transformers/ Motors

IC-C&I

INDEPENDENT COMPANY - CONTROL & INSTRUMENTATION

Major Orders

- We bagged a work order from M/s. Apollo Tyres – Sricity – Andhra Pradesh towards Electrical Cable Laying works at Apollo Tyres Limited, Sricity project site, for the value of **6.44 MINR.**
- We bagged a work order from M/s. Emerson Automation Solution - Oragadam– towards Instrumentation, Erection and Commissioning works at Apollo Tyres Limited, for the value of **1.13 MINR.**
- We bagged a work order from M/s. Emerson Automation Solution –Solara – Vizag – towards Instrumentation, Erection and Commissioning works for Solara Pharma, Vizag Project Site, for the value of **8.7 MINR.**

Achievements

- During Emerson – Apollo Tyres – auditing **No NCR** were found, kudos to Mr. Chokkar Vigneshwaran – Safety officer – C&I

Safety Trainings



Safety Campaign at Apollo Tyres, Sri City



Safety Campaign at Apollo Tyres, Sri City



Toolbox Talk at Solara, Vizag



Toolbox Talk at Solara, Vizag



IC-ENGINEERING

INDEPENDENT COMPANY - ENGINEERING

Major Orders

Substation Engineering

- M/s. L&T Infrastructure Development Project Limited awarded an order for Pre bid engineering services for **400/220kV AIS Pooling SS** (Electrical & Civil) at Karnataka.
- M/s. Siemens placed an order for Pre Bid Engineering services for **400kV Balco GIS SS at Korba.**

Transmission Line

- M/s. Apollo International ltd awarded an order for Design of 132kV Transmission line tower for Likhu 1, Likhu 2, and Likhu A HEP in Nepal.

Illumination Engineering

- M/s. Tata Project awarded an order for Illumination engineering service project for **132/33kV SS at Arunachal Pradesh.**

CRP Engineering

- M/s. Siemens placed an order for Cable Schedule Preparation for **400kV Hetauda & Inaurwa GIS and AIS Substation** at Nepal.



Design & Engineering presentation to our client, *Novin Simia from Afghanistan.*

Power System Study

- M/s. Larsen & Toubro awarded an order for relay setting calculation for **33/ 11kV GIS Panels and RMU's** at Auric Bidkin Industrial area, Aurangabad.
- M/s. STTelemedia Global Data Center Pvt Ltd placed an order for Power system breaker discrimination study for **11kV HT Board** at Kolkata.
- M/s. ICD2 awarded an order for relay setting calculation for **10MW co-gen power plant & parry sugar refinery plant** at Kakinada.
- M/s. MRF limited awarded an order for Relay setting calculation and coordination for **110/11kV substation** at Goa.
- M/s. Aish Technologies placed an order for Expansion of **SWTP 9 stage - 6 phase - I STP.** Jubail at Saudi Arabia.

Civil & Structural

- M/s. Andritz Hydro Private Ltd awarded an order for Design and engineering services for **132kV SS in likhu** –A HEP, likhu-1 HEP and likhu -2 HEP at Nepal.
- M/s. Wabag placed an order for Design and engineering services for civil structural of switchgear building for **30 MLD SWRO Desalination plant** at Mangalore.



IC Engineering Started the Journey for Obtaining ISO certification with Stage - 1 Audit by Burea Veritas Quality International – BV Auditors and ISO consultant with ICE Quality Team.



IC Engineering forayed into Overhead Transmission line Tower Design for M/s Apollo, India for Likhu Hydro Electric Project, Nepal – The end client MV Dugar, along with the TL tower design Team .

IC-IN1

INDEPENDENT COMPANY - INTERNATIONAL 1

INTERNATIONAL BUSINESS DIVISION

Major Orders | Cluster - A

Qatar

- Successfully commissioned **66/11 kV substation** at Murrah South through M/S Siemens.
- Successfully commissioned **132/11 kV substation** at Umm Al Hou-2 through M/S L&T.
- Successfully commissioned **66/11 kV substation** at Lussail West-02 through M/S Alstom.
- Successfully executed various VFD replacement and Retro fitting job at Qatar Petroleum district through M/s Raptor
- Successfully deputed 40 No's of technicians for Oil & Gas maintenance in NFB at Enkom through M/s SPIE.



Successfully commissioned 66/11 kV substation at Murrah South through M/S Siemens, Qatar

Oman

- Successfully received order from M/s Tecnimont – Italy for deputation of SCADA RTU Engineer at their LIWA Plastics project in Sohar region.
- Successfully received order from M/s Tedagua – Spain for deputation of Warehouse Supervisor & Warehouse Assistant at their Duqm Integrated Power & Water plant project in Duqm Region.
- Successfully received order from M/s ONEIC for deputation of Testing Engineer at their Primary substation in Majan Region.
- Successfully received order from M/s ONEIC for deputation of Testing Engineer at their Primary substation in Duqm Region.
- Successfully received order from M/s MDS – PLI for Relay Testing Maintenance at Oman Data Centre.
- Successfully completed the Trouble shooting & Configuration of ABB RTUs at Liwa Plastics for M/s Tecnimont.

Jordan

- Successfully commissioned **132/33kv Substation, 500MW Aftarat Power Plant** for M/s. Hyosung at Jordan.
- Successfully received Order from M/s. NCC for **Testing & Commissioning of 400/132/33kv New Maan Substation** at Jordan.

Major Orders | Cluster - B

Bahrain

- Successfully received Lump sum order from M/s Siemens for testing and commissioning of Raslegain 400kV Substation and 28Nos of Remote End Modification.
- Successfully received Lump sum order from M/s ABB for testing and commissioning of 220kV Substation for EWA projects.
- Successfully received Order from M/s Almoayyed Electrical & Instrumentation Systems for deputation of technical man powers Alba PSS, GE/GAMA Project.
- Successfully received Order from M/s Efacec for deputation of technicians.

UAE

- Successfully received order from M/s. TARGET Engineering Construction Company LLC for deputation of Testing and commissioning engineer to their project site in Abu Dhabi.
- Successfully received Lump sum order from M/s. AG Power for testing and commissioning of **132/11kV SEIF DEIRA substation** in DEWA System.
- Successfully received order from M/s. Siemens for deputation of Lead engineer for their DEWA projects.
- Successfully energized **132/11kV MAADEN substation** in DEWA network for M/s ABB.
- Successfully obtained the approval for additional 10 engineers from DEWA networks.

Kuwait

- Successfully received order From M/s. General Control Group for supply of Testing Equipment's.
- Successfully received order From M/s. Naser M. Al-Baddah & Partner General Trading & Contracting Company W.L.L for deputation of Testing & Commissioning Engineer & Test Equipment activities for various Electrical Equipment's for E.30 Daewoo – KIPIC E&I Install Utilities.
- Successfully received order from M/s. ALMUDHEFA General & Construction and engineering Co. for supply of Testing and commissioning Electrical DB's.
- Successfully received order from M/s. Dodsai Engineering & Construction Pte Ltd. at EWITP, KOC, Kuwait for deputation of Electrical Manpower.
- Successfully received order from M/s. Alghanim International General Trading & Contracting Co. W.L.L for deputation of Skilled Manpower Testing & Commissioning Engineer and Technicians for Commissioning works at Sabiya CCGT-1.
- Successfully received order from M/s. Alghanim International General Trading & Contracting Co. W.L.L for deputation of Skilled Manpower Testing & Commissioning Engineer and Technicians for Commissioning works at Sabiya CCGT-3.

UAE

Picture Courtesy : www.freepic.com



IC-IN1

INDEPENDENT COMPANY - INTERNATIONAL 1

Major Orders | Cluster - B

KSA

- Successfully received order for Annual maintenance of Facts S/S at eastern region through M/s. ABB Ltd.
- Successfully received order for Preventive maintenance of 380 S/S of GCCIA at gulf regions Saudi, Kuwait, UAE, Qatar & Bahrain through M/s. NCC Ltd.
- Successfully received order for Shoaiba RO Ph.4 Desalination Project- T&C of MV Switchgear & Transformers through M/s. Doosan Heavy Industries- Worth.
- Successfully received order for T & C of MV Switchgear, Auxiliary Transformers & RMU of CMA tower in KFD through M/s. Schneider Electric.
- Successfully received order for T & C services coordination of JEC Aramco project through M/s. GE.

Spain

- Order received from M/s. Cobra Tedagua for deputation of Warehouse supervisors and Warehouse assistants for their desalination project in Duqm, Oman.

Major Orders | Cluster - C

Egypt



Successfully completed testing & Commissioning work activities for 165.5MW Benban Solar Complex Solar power plant at Benban- Egypt through M/s. Chint (Hong Kong) Co. Ltd.

Senegal

- Successfully Received Order from M/s KEC-Senegal for Installation, Testing and commissioning at 225kV Tambacounda and Kaolack Substation for OMVG projects.
- Successfully shipped VMC Make 1.6MVA 11kV/725V-725V LT Transformer to M/s. Dangote Cement plant.

Algeria

Our Algerian Engineer Mr. Cherfi Mohamed and Mr. Manigandan received Appreciation certificate from M/s JGC Algeria for Site co-ordination, testing and commissioning work in Hassi R'mel Boosting Ph-3 project at Algeria.



- Successfully received order from M/s NCC Algeria for deputation of commissioning Engineer 2 No's of 220/60/33kV at Attatba & Eulma substations.
- Successfully completed testing & commissioning activities in Bhilai Steel plant in India- (Steel Authority of India) through M/s. Paul Wurth-Italy.

Nigeria

- Successfully Received Order from M/s Alacrity Production System for carrying out Electrical and Instrumentation cable Laying and Termination works at their new LPG plant. Total order value at **105,555 USD**
- Successfully Received Order from M/s Pivot Engineering to carry out Secondary Engineering for the **132/33 KV Ihiala, Nkalagu and Orlu SS.**
- Successfully Received Order from M/s Petrosa Global for RTCC panel Trouble Shooting Works, and successfully executed the same.
- Successfully Received Order from M/s Tower Power PLC for carry our 11kV VCB and Protection Relay Maintenance works, and successfully executed the same.
- Successfully Received Order from M/s PZ Wilmar Nig Ltd for carry out Annual Maintenance works for Transformer, **11kV and 415V Switchgears** at their Korodu Factory.
- Order Received and Successfully Executed from M/s Tower Power PLC for the **11kV Switchgear** Bus Bar Modification Works.



Annual Shutdown Maintenance work for 11kV VCB Panels and Relays at TPUL Sango Ota (Nigeria)

Tanzania

Picture Courtesy : www.lonelyplanet.com

Received Africa's First Biggest Contract

from M/s. Yapi Merkezi Insaat, Tanzania for the Installation, Testing and Commissioning of ATS, DATS & TPS (Total 23no's) Substations for DSM SGR Railway Project, value of USD 2,369,567

IC-IN1

INDEPENDENT COMPANY - INTERNATIONAL 1

Major Orders | Cluster - D

Kenya

- Successfully received order from M/s. Malthe Winje Automation and successfully Testing & Commissioned **11kV HT & LT Panels**, Transformers in Agatobwe Hydro Power plant project at Rwanda.
- Successfully received order from M/s. All pack Industrial Ltd - AMC Job for Transformer Oil filtration, Transformer Testing, HT & LT panels testing.
- Successfully Completed Supervising, Testing and Commissioned **66/11kV Substation project** for M/S Siemens at SAVANNAH CEMENT PLANT.
- Successfully received order from M/S Ayoki Fabricon for Transformer Oil filtration and Testing & commissioned **66/11kV Project** at Savannah Cement Plant.



Received Credential from M/s/MHPs Project for Successful Testing and Commissioning of 2*70 MW Geo Thermal Project - Kenya



66/11kV Savannah Cement Project - M/s. Ayoki Fabricon



66/11kV Savannah Cement Project - M/s. Siemens India

Uganda

- Successfully Executed Testing & Commissioning of **33kV RMU** for Kakira Sugar Ltd.,
- Successfully received order from Mukwano Industries (U) Ltd for the Supply of **11kV VCB Panel**.
- Successfully Executed Annual Maintenance testing of the Protection Relays, VCB's & ACB's for Kinyara Sugar Ltd.,
- Successfully received order for the Supply, Installation & Testing of 11kV PT's & Fuses from Makepasi Matches Ltd.,
- Successfully executed for the Supply of Electrical Spares for Premier Distilleries Ltd.,
- Successfully received order from SCOL for the Supply of MCCB's.
- Successfully received order from Kakira Sugar Ltd for the Supply of VAA33 Auxiliary Relay..

Tanzania

- Successfully received Africa's First Biggest Contract from M/s. Yapi Merkezi Insaat, Tanzania for the Installation, Testing and Commissioning of ATS, DATS & TPS (Total 23no's) Substations for DSM SGR Railway Project, value of **USD 2,369,567/-**.



Inaugurated Voltech Site Office in Soga Camp, Tanzania



Our Director & Country Manager with M/s. Yapi Merkezi Insaat Team, Tanzania

IC-IN1

INDEPENDENT COMPANY - INTERNATIONAL 1

Major Orders | Cluster - E

Bangladesh

- Successfully received PO from M/s.KEC for root cause analysis of **145kV IVT** at Rajshahi site.
- Successfully received PO from M/s. BEL for testing of **400KV circuit breaker** at Bibiyana substation.
- New site office has been inaugurated at **220MW CAPP Bhola** project



Our Site office at 220MW CAPP Bhola project, Bangladesh

Maldives

- Successfully received PO from Shangri-la for Technical audit on Electrical equipment in Hotel Jen and Villingille resorts & Spa @ Maldives.

Products

Uganda

- Order received from M/s Mukwano Industries (U) Ltd for the Supply of **11kV VCB Panel**.
- Order received from M/s Makepasi Matches Ltd for the Supply of **11kV 11kV PT's & Fuses**.
- Order received from M/s Premier Distilleries Ltd for the Supply of Electrical Spares.
- Order received from M/s SCOUL for the Supply of MCCB's.
- Order received from Kakira Sugar Ltd for the Supply of VAA33 Auxiliary Relay.



11kV VCB panel & 33kV Metering Panel

Kenya

- Successfully supplied the 33kV substation materials to M/s. Spenomatic (K) Limited.

Nigeria

- Successfully supplied the SSB panel and Hylam sheet for Motor Accessories to M/s Alacrity Production Systems.
- Order Received from M/s Olami Edible Nuts for the Supply of VMC make **33kV Outdoor VCB panel**.
- Successfully supplied ABB make 1600 Amps Onload Manual Change over Switch to M/s Artee Industries (SPAR).
- Order Received from M/s Amo Byng Nig Ltd for the Supply of ABB make REJ601 Relay, Schneider make VAMP11 and 7Amps Battery Charger.
- Successfully supplied **2.5MVA, 11/415v Distribution Transformer** to M/s pure chem Industries.
- Successfully supplied Havells make 1600 Amps Onload Manual Change over Switch to M/s Daleji Properties.
- Order Received from M/s Indorama Eleme Petrochemical for the Supply of 2nos of VMC make **20KVA, 415/230VAC Dry Type Transformer**.
- Successfully supplied Transformer Aux Protection Relay, **33kv & 11kv Voltage Transformers**, HRC Fuse to M/s Crown Flour Mills Limited – Animal Feed Unit.



VMC make 3MVA, 33/433v Distribution Transformer - Indorama Ventures PET Nigeria Ltd-Port Harcourt (Nigeria)



Successfully Installation, Testing and Pre-commissioning work completed - Indorama Ventures PET Nigeria Ltd at Port Harcourt (Nigeria)

Senegal

Successfully shipped VMC Make **1.6MVA 11kV/725V-725V Transformer** to M/s. Dangote Cement plant.

UK

Successfully supplied APFC Panel to M/s. Arcelor Mittal Liberia Ltd.



IC-IN1

INDEPENDENT COMPANY - INTERNATIONAL 1

EHS Training @ International Sites



Abu Thailah Substation, Qatar



Al Daayen-2 Substation, Qatar



Montaza Substation, Qatar



Naeeja-2 Substation, Qatar



Al Saad-2 Substation, Qatar



Al Shahhanyah Super Substation, Qatar



New Assiri Substation, Qatar



Salliya Camp-1 Substation, Qatar



Al Sowaidi Super Substation, Qatar



Bin Mahmoud Substation, Qatar



Training on safe usage of fall arrestor, Bangladesh



Toolbox talk on importance of PPE's, Bangladesh



Bin Mahmoud Substation, Qatar



Jeriyan Jenaihat-1 Substation, Qatar



Emergency preparedness training, Bangladesh



Toolbox talk on fire safety, Bangladesh

IC-IN2

INDEPENDENT COMPANY - INTERNATIONAL 2

SINGAPORE

- Order Received from M/s. ABB PTE LTD, Singapore for Testing and Commissioning services for MEDP Project at Singapore valued at **USD 102,700/-**
- Order Received from M/s. ABB PTE LTD, Singapore for Testing and Commissioning services for Jatim Steel Plant Project at Surabaya, Indonesia valued at **USD 20,000/-**
- Order Received from M/s. ABB PTE LTD, Singapore for deputation of Testing and Commissioning Engineer for Sateri Paper at Pekanbaru, Indonesia valued at Order **USD 6,150/-**
- Order Received from M/s. ABB PTE LTD, Singapore for deputation of Senior Protection Engineer for Fajar Paper 20kV Improvement, Indonesia valued at **USD 9,800/-**
- Order Received from M/s. ABB PTE LTD, Singapore for deputation of Testing and Commissioning and Protection Engineer for Alexindo Project at Bandung, Indonesia valued at **USD 4,500/-**
- Received Amendment Purchase Order from M/s. ABB PTE LTD, Singapore for Testing & Commissioning and Protection Engineers of 3.3kV, 6.6kV, 690V Substation in OKI Chipping Line Project at Palembang, Indonesia valued at **USD 70,000/-**
- Received Amendment Purchase Order from PT. ABB Sakti Industri, Indonesia for Testing & Commissioning Activities for Electrical Systems at BP Tangguh (LNG) expansion Project at Cilegon, Indonesia valued at **USD 56,600/-**
- Received Amendment Purchase Order from M/s. ABB PTE LTD, Singapore for deputation of Senior Engineer for Installation Supervision & Commissioning activities of Electrical System at Sateri Project Kerinci Indonesia valued at **USD 2,800/-**

Singapore

Picture Courtesy - www.freepik.com



Major Orders

MYANMAR

- Order Received from M/s. PC Myanmar (Hong Kong) Limited , Myanmar for Annual Maintenance Services for Power Transformer, Busbar, for MV/LV Switchgear & MCC and Circuit Breaker Testing & Servicing at Yetagun Offshore and Onshore Facilities valued at **USD 21,500/-**
- Order Received from M/s. Toyo Thai Power Myanmar Co. Ltd for Annual Maintenance Services for 9 No's of 12MVA Transformers at 120MW TTPMC Power Plant at Ahlone Yangon, Myanmar valued at **USD 25,900/-**
- Order Received from M/s. WE Link Energy(UK) Ltd, UK for O&M Services for 50MW Phase-1 Minbu Solar Power Plant at Minbu, Magway Region, Myanmar valued at **USD 5,120/-**
- Successfully Completed the Calibration of Electrical Test Equipments at MCP Hlawga Project, Yangon through Royal GK Pte Ltd



Our Malaysia Country Manager Mr. S. Parthasarathy at M/s. PC Myanmar (Hong Kong) Limited, Myanmar - Annual Maintenance Services of 4kV and 0.4kV Switchgear/Switchboard at Petronas Yetagun Onshore and Offshore Platform.



Our BDM Mr.KG. Sangeedan and Engineers Mr. K. Nesamani, Mr. V. Arun Bernathsa and Mr. P. Salthish at M/s. Toyo Thai Power Myanmar Co. Ltd, Myanmar - 120MW TTPMC Power Plant at Ahlone Yangon, Myanmar



Our Engineers Mr. K. Nesamani, Mr. V. Arun Bernathsa and Mr. P. Salthish at M/s. Toyo Thai Power Myanmar Co. Ltd, Myanmar - Annual Maintenance Servicing of 12MVA Transformers at 120MW TTPMC Power Plant at Ahlone Yangon, Myanmar

PHILIPPINES

- Order Received from M/s. Siemens Limited, Indonesia for deputation of Commissioning Engineer for 1* 25MW Poyry A/C North Nigros Bio Power Project at Philippines valued at **INR 436,600/-**

IC-IN2

INDEPENDENT COMPANY - INTERNATIONAL 2

Major Orders

INDONESIA

- Order Received from PT. RCR Energy Indonesia- Australian Based Company for Testing of Generator & Protection Relay and 150kV Testing & Commissioning AIS & LV MCC 380V & Distribution Transformer of 37 MW Combined Cycle Senipah Project at Kalimantan, Indonesia valued at **USD 21,200/-**
- Order Received from PT. Voith Hydro Indonesia for Testing of LAVT, NGR, Generator, Transformer, MV Switchgear & Numerical Relay for Unit I & II of 2x5MW TOMASA HEPP Project at Sulawesi, Indonesia valued at **USD 7,200/-**
- Order Received from PT. CG Power System Indonesia for Erection, Testing & Commissioning of 150kV Transformer Bay including Scheme checking & Protection Panel and Testing of 20kV Switchgear of Telling Manado Project at Sulawesi Indonesia valued at **USD 32,950/-**
- Order Received from PT. Black & Veatch International, Indonesia for Electrical and Mechanical Engineer Service for 315MW Coal Based Power Plant Lantar Project at Tangerang valued at **USD 93,000/-**
- Successfully Completed the Testing and Commissioning of Unit 5 and Unit 6 -10kV & 3.3kV MV Switchgear Panel of 2*1000 MW Tanjung Jati B Expansion (Jawa 4) Coal Fired Steam Power Plant at Indonesia through PT. Toshiba Asia Pacific Indonesia



Our Engineers Mr. M. Karthikeyan at PT. RCR Energy Indonesia – 37 MW Combined Cycle Senipah Project at Kalimantan, Indonesia



Our Engineers Mr. M. Karthikeyan at PT. CG Power System Indonesia – Telling Manado Project at Sulawesi Indonesia

AFGHANISTAN

- Order Received from M/s. Novin Simia Company, Afghanistan for Training Services for Relay Configuration, Testing and Commissioning of Protection, SCADA and Telecommunication System valued at **USD 11,000/-**
- Order Received from M/s. Novin Simia Company, Afghanistan for Deputation of Testing and Commissioning Engineer for NEI-Asqalan Substation, Kunduz, Afghanistan valued at **USD 27,000/-**

VIETNAM

- Received Amendment Purchase Order from M/s. Black & Veatch International Company, Vietnam for I&C and Electrical Engineer Service for their Duyen Hai 3 Extension Thermal Power Plant Project at Vietnam valued at **USD 57,500/-**

CAMBODIA

- Successfully Completed the Annual Maintenance of 2*50MW Coal Fired Power Plant II at Cambodia through M/s. Cambodian Energy Limited, Cambodia
- Successfully Completed the Testing of Protection Relay in Unit 1 & Unit 2 of 2*50MW Coal Fired Power Plant II at Cambodia through M/s. Cambodian Energy Limited, Cambodia

MALAYSIA

- Order Received from M/s. Lotte Chemical Titan (M) Sdn Bhd for Transformer Testing and Servicing at Pasir Gudang Malaysia valued at **USD 21,350/-**
- Order Received from M/s. Tecnimont E&I (M) Sdn Bhd for Testing of HV Switchgear Flexi HDPE Rapid Project Package 27 at Pengerang Malaysia valued at **USD 33,350/-**
- Order Received from M/s. Lotte Chemical Titan (M) Sdn Bhd for Transformer Testing and Servicing at Pasir Gudang Malaysia valued at **USD 82,000/-**
- Order Received from M/s. Tecnimont E&I (M) Sdn Bhd for Transformer Stability Test at Flexi HDPE Rapid Project Package 27 at Pengerang Malaysia valued at **USD 8,500/-**

LAOS

- Received Amendment Purchase Order from M/s. SK Engineering & Construction, Laos for Communication Engineer and Control Engineer Service of 115kV/220kV/500kV Xe-Pian, Xe-Namnoy Hydro Power Plant Project at Laos valued at **USD 8,500/-**



Successfully Synchronized 368.4MW Generating EGAT Unit I #2#3 Xe-Pian, Xe-Namnoy Hydro Power Plant Project at Laos

TURKEY



Mr. Murat Turan has been appointed as our New Representative at Turkey.

Contact Details : +90 5324428906

Email ID : turkey@voltechgroup.com

PRODUCTS

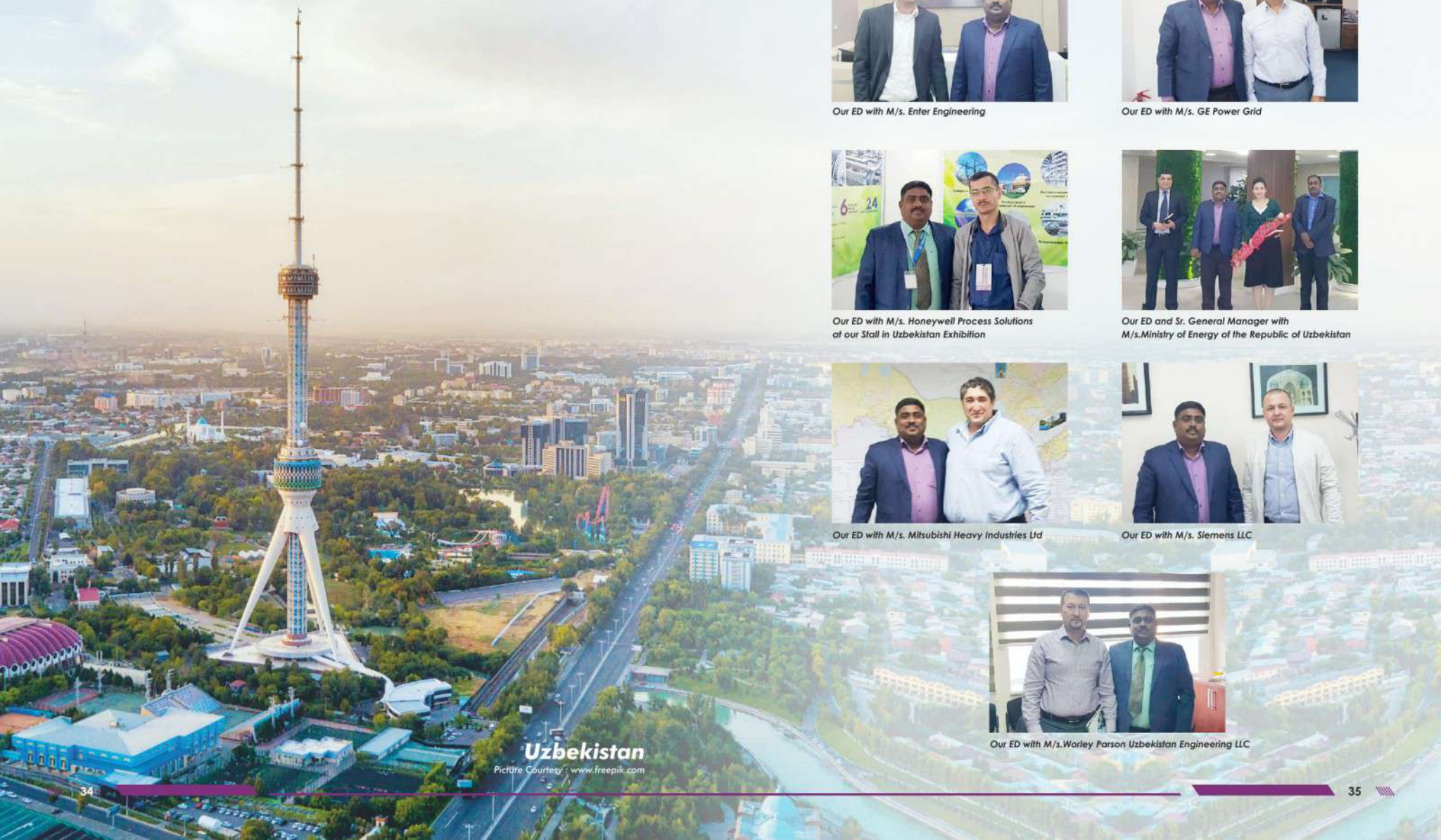
AFGHANISTAN

- Order received from M/s. Assist Consultants Inc., Afghanistan for Additional Isolator Control circuit for 4 No's of Transformer Bay Panels and ST-ST Fiber Optics Cables- Duplex Patch Cords for North West. Breshnakot, North New Extension and Pole Charkhi Substation at Afghanistan valued at **USD 2,465/-**
- Successfully Supplied 10/20-15kV, 40MVA, Transformer Control & Relay Panels and 220KV Yard Marshalling Kiosk for Pole Charkhi Substation at Afghanistan through M/s. Assist Consultants Inc., Afghanistan

THAILAND

- Order received from M/s. Demco Company Limited, Thailand for Supply of Control and Relay Panels and 110V 50A Float cum Boost Battery charger with inbuilt 110V 200AH VRLA Battery, DCDB & Battery Management System for 66kV Dirio Power Plant Project at Papua New Guinea valued at **USD 272,350/-**

Executive Director's *Business Trip* to Uzbekistan



Our ED with M/s. Enter Engineering



Our ED with M/s. GE Power Grid



Our ED with M/s. Honeywell Process Solutions at our Stall in Uzbekistan Exhibition



Our ED and Sr. General Manager with M/s. Ministry of Energy of the Republic of Uzbekistan



Our ED with M/s. Mitsubishi Heavy Industries Ltd



Our ED with M/s. Siemens LLC



Our ED with M/s. Worley Parson Uzbekistan Engineering LLC

Uzbekistan

Picture Courtesy : www.freepik.com

Turkey

Picture Courtesy : www.freepik.com

Managing Director's Business Trip to Turkey



Our MD with M/s. SA-RA Group at Ankara, Turkey



Our MD with M/s. CMS Enerji at Istanbul, Turkey



Our MD with M/s. EMTA Energy at Istanbul, Turkey



Our MD with M/s. ENKA at Istanbul, Turkey



Our MD with M/s. GE Grid at Istanbul, Turkey



Our MD with M/s. ILTEKNO at Istanbul, Turkey



Representative Agreement signed at MT Electric Office at Istanbul, Turkey



Our MD with M/s. Best Elektrik at Ankara, Turkey



Our MD with M/s. Renaissance Heavy Industries at Istanbul, Turkey



Our MD with M/s. Zorlu Enerji at Istanbul, Turkey

IC-M1

INDEPENDENT COMPANY - MANUFACTURING 1

NEW ORDERS Transformers Segment

SUPPLY

- Order received from M/s Larsen & Toubro Limited – Chennai for JAMMU KASHMIR STATE UNDER IPDS/PMDP Project **10MVA Power Transformers** valued at **102 MINR**
- Order received from M/s Larsen & Toubro Limited – Chennai for PuVVNL under SAUBHAGYA YOJNA of Govt. of India Project – **10MVA Power Transformers** valued at of **77 MINR**
- Order received from M/s Larsen & Toubro Limited – Chennai for Pure Water Pumping Main MBRs Gravity Mains commissioning of schemes including SCADA to enable supply of treated drinking water to TALUKS OF KOPPAL Project – Various Rating Transformers total valued at **31.3 MINR**
- Order received from M/s Larsen & Toubro Limited – Chennai for OMLIP Cluster IV Project – **10MVA Power Transformers** valued at **77 MINR**



Our Team with the Coil Assembly of 20MVA Power Transformer



Coil Assembly of 20MVA Power Transformer

Type Test

Successfully completed type test reports for following Ratings

2000KVA, 11KV/433V, EEL - 3 Transformer	500KVA, 22KV/433V, EEL - 2 Transformer
1250KVA, 33KV/433V, EEL - 3 Transformer	250KVA, 33KV/433V, EEL - 3 Transformer
630KVA, 33KV/433V, EEL - 3 Transformer	400KVA, 11KV/433V, EEL - 2 Transformer
63KVA, 22KV/433V, EEL - 2 Transformer	63KVA, 11KV/433V, EEL - 2 Transformer

SERVICE

- First Order Received from M/s. IM Gears Pvt Ltd for "Servicing Transformer" valued at **132,000 INR**
- Order Received from M/s. Fujita Engineering India Private Limited for "Modification of 500KVA, 11KV/433V Transformer" valued at **160,000 INR**
- Order Received from M/s. Michelin India Pvt Ltd for "Servicing of Transformer" valued at **180,000 INR**



Successfully Dispatched first
20MVA 66KV /11KV
POWER TRANSFORMER
to M/s Andrew Yule for KPTCL Project

IC-M2

INDEPENDENT COMPANY - MANUFACTURING 2

Switchgear Segment

MAJOR ORDERS



M/s. SOUTHERN RAILWAY

Voltech Manufacturing Co. Ltd. has bagged an order from M/s. VK SAM ENGINEERING for replacing existing panels with Voltech make RMGs to following locations : Chennai Egmore, Chennai Beach, Chennai Central, Moore Market, Gopalswamy Nagar, Pycrafts Garden, Rostover, Basin Bridge, Royapuram, Tondairpet, Marshalling Yard, Chintadripet, Tambaram, Chengalpattu, Annanur, Thiruvallur, Arakonam, Katpadi & Jolarpet.

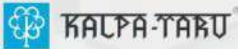


M/s. ETHIOPIAN ELECTRIC POWER

Voltech Manufacturing Co. Ltd had bagged an international order valued at 66,500 USD from M/s. Larsen & Toubro Limited.

Project details: 230KV & 132 GIS Mekele Dallol Substation, Ethiopia.

Scope: Design & Supply of LT panels.



M/s. KALPATARU POWER TRANSMISSION LTD

Voltech Manufacturing Co. Ltd has bagged an international order valued at 3.1 MINR from M/s. Kalpataru Power Transmission Ltd.

Project details: 220KV Rusuma Falls- Gitega Transmission SS & Muyinga Substation, Burundi.

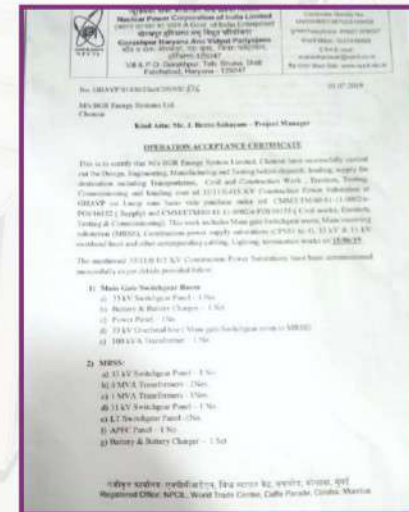
Scope: Design & Supply of LT panels.

Achievements & Major Activities

- Proud to announce that we have enhanced our abilities in International Languages by providing all the project documents in French Language to the customers for the second time.
- Our team has been trained with French & Spanish Languages for the better communication with the International clients.



Effective & Practical training program held at our Cheyyar factory for M/s. Larsen & Toubro engineers.



Performance certificate received for 33kV, 1250A, 25kA VCB panels from M/s. Nuclear Power Corporation of India.

IC-M3

INDEPENDENT COMPANY - MANUFACTURING 3

Control & Relay Panel Segment

Major Orders

- Order received from Tangedco – Vellore, for supply of 16 Nos. Indoor C&R Twin feeder panel valued at **1.06 MINR.**
- Order received from Tangedco – Vellore, for supply of 11 Nos. Indoor C&R LV panel valued at **1.1 MINR.**
- Order received from ABB PTE Ltd – Singapore for supply of 6 Nos. 20kV Relay panel valued at **7.7 MINR.**
- Order received from Saravana Green Energy LLP – Tirupur for supply of 1 No. 110V DC Indoor C&R panel for twin feeder breaker valued at **572,300 INR.**
- Order received from Eveready Spinning Mills (P) Ltd – Thadicombu for supply of 1 No. 110V DC Indoor C&R panel for twin feeder breaker valued at **572,300 INR.**
- Order received from Tangedco – Vellore for supply of 10 Nos. 220V DC GC, LV & Twin feeder panel valued at **751,632 INR.**
- Order received from L&T Construction – Chennai for supply of 1 No. 33kV C&R panel valued at **812,076 INR.**
- Order received from Tantransco – Trichy for supply of 14 Nos. 110V DC Indoor C&R panel for twin feeder breaker valued at **982,940 INR.**
- Order received from Edac Engineering Ltd – Chennai for supply of 2 Nos. 110kV Line C&R panel valued at **1.01 MINR.**



Inspection done by M/s. ABB, Singapore



Our Team with the newly manufactured C&R Panels.



Relay Segment

Major Orders

- Order received from TANGEDCO, Vellore for supply of 51 Nos. Numerical 3 O/L & 1 E/L Relays valued at **367,098 INR**
- Order received from TANGEDCO, Perambalur for supply of 12 Nos. Numerical 3 O/L & 1 E/L Relays valued at **86,376 INR.**
- Order received from TANGEDCO, Nagapatinam for supply of 27 Nos. Numerical 3 O/L & 1 E/L Relays valued at **194,346 INR**
- Order received from TANGEDCO, Tuticorin for supply of 33 Nos. AC/DC Annunciator valued at **112,926 INR.**
- Order received from intercompany VMCL – Switchgear division for supply of 18 Nos of various Electromechanical Relays valued at **72,600 INR.**

EHS Training - Factories



Toolbox Talk on Electrical Safety at Electronics Division



Training on Machine Safety at Electronics Division



First Aid Training to the employees by St.John's Team



Mock Drill at CRP Factory, Bangalore



First Aid Training to the employees by St.John's Team



Toolbox Talk on Electrical Safety at Relay Division

VOMS

VOLTECH O AND M SERVICES PVT. LTD.

Major Orders

M/s. Nuclear Power Corporation of India Limited, Kudankulam
Value of Order and Duration: 10.11 MINR and 24 Months
Scope of Work : Contract for maintenance of battery Banks at KKNPP 1&2

M/s. Nuclear Power Corporation of India Limited, Kudankulam
Value of Order and Duration: 44.59 MINR and 24 Months
Scope of Work: Maintenance of electrical part of process systems in main plant area inside operating island at KKNPP 1 & 2

M/s. Nuclear Power Corporation of India Limited, Kudankulam
Value of Order and Duration: 9.55 MINR and 24 Months
Scope of Work: Assistance for maintenance of ESFAS systems I&C at KKNPP 1 & 2

M/s. KEC International Limited, Telangana
Value of Order and Duration: 6.72 MINR and 6 Months
Scope of Work: Operation & Maintenance Services for 33.5 MWp SPV Plant Facility - Peerampally, Pargi & Kothagadi at Vikrabad, Telangana



VOMS

VOLTECH O AND M SERVICES PVT. LTD.

ACHIEVEMENTS

by Voltech O and M Services Pvt. Ltd.



VOMSPL - BALCO (540MW C&J) Team received GOLD AWARD in CCQC at Rourkela.



SABASH card received for VOMS VL team - Handling transformer bush replacement



Mr. Rakesh received award for Best outstanding performer for the month of OCT -2019 in Vedanta plant - Jharsuguda



Received Best Employee & Best Kaizen Safety Award in Vedanta Plant Oct - 2019

Achievement

Out of 129 Vendor Partner, VOMS has been Awarded as 100% Skill Certified Vendor Partner of Tata Steel - Kalinganagar



VOMS ADANI Team received award for TEAM OF THE MONTH for their best performance



VOMS BALCO 1200MW team awarded for best safety performing contractor of the month Dec-2019

Certificate of Registration

This is to certify that

VOLTECH O AND M SERVICES PVT.LTD.
 Address: EOD Tower No.24/25, Mohan Prasad Upreti Road, Agartala-781002, Assam-781002, India.

Has been assessed and registered by BRS (Certification) as conforming to the requirements of

ISO 45001:2018

The Occupational Health and Safety Management System in accordance to

"Operation and Maintenance of Power Plant, Substations, Renewable Energy and Processing Plant."

Certificate number: 19800105
 Initial certification date: 07/October/2019
 Certificate valid to: 07/November/2022
 Last certification date: 07/November/2019

By the name of the
BRS Certification
 Authorised Representative

Approved by: Head Services International Board (HSIB)
 Being active, till the next London annual inspection

Member Institution since 2003 (London, UK)

Not an affiliated member or not in the certification agreement procedure this certificate covers
 International membership through of Bureau Veritas Certification
 Having Office in India (Chennai, Hyderabad, Delhi)

Completed the audit and updated the certificate for ISO 45001:2018 from OSHAS 18001: 2015.

TRAINING AND AWARENESS PROGRAMS AT VARIOUS SITE.



ADANI- MUNDRA



TATA STEEL – KALINGANAGAR



KEC- Hyderabad



TAQA – NEYVELI



HEREO FUTURES- RATLAM (MP)



AMPLUS SOLAR - KARNATAKA

SAFETY MOTIVATIONAL PROGRAMS



ADANI – MUNDRA(GUJARAT)



BALCO - KORBA



HERO FUTURES – RATLAM(MP)



VEDANTA PLANT- JHARSUGUDA



NTPC- LARA



TATA STEEL- KALINGANAGAR



VEDANTA PLANT- JHARSUGUDA



HERO FUTURES- SOUTHBUH



CMRL- CHENNAI



STERLITE- AMARGARGH

VOMS

VOLTECH O AND M SERVICES PVT. LTD

Saudi Arabia

Picture Courtesy : www.cp-partners.co.kr

Our Director Mr. S. Manikandan & Advisor Mr. R. Swaminathan's

Business Trip to Saudi Arabia



Our Director & Advisor at M/s. Oil, Gas & Petrochemical International Est, Saudi Arabia.



Our Director & Advisor at M/s.Kaefer, Saudi Arabia



Our Director & Advisor at M/s.Sendan International Co.Ltd, Saudi Arabia



Our Director & Advisor at M/s. Al- Najim Saudi International Co.Ltd, Saudi Arabia



Our Director & Advisor at M/s. Samif, Saudi Arabia



VHRS

VOLTECH HR SERVICES PVT. LTD.

Interviews Conducted

M/s. Arabian Castles for General Contracting Co. LLC has conducted direct interview in Nepal with a total of 140 candidates selection.

M/s. Arabian Castles for General Contracting Co. LLC has organized interviews in Cochin 29th, Mumbai 30th Nov and Chennai 1st & 2nd Dec, for the position of Mechanical Technician, CMMS Administrator, Generator Diesel Mechanic, Water treatment plant Operator, Fire Alarm Technician, HVAC Technician, Warehouse Admin, Site Engineer-Electrical, Welder_6G, Handyman positions. Total of 87 candidates were selected and are placed for the positions.

M/s. Expertise Contracting Co has conducted direct interview for Long-term project in Chennai 28th Dec for the position Electrical Cables Supervisors, Transformer Maintenance Engineer, Electrical Technicians (Industrial Maintenance), Transformer Technicians, Transformer Maintenance Supervisor, Electrical Cable Splicer 20 candidates are placed for the positions.

M/s. Herfy Foods has conducted direct interview in Mumbai 23rd and Trichy 26th, Dec for the positions of Motorcycle drivers, Salesman cum driver 25 candidates are placed for the positions.

M/s. Gas Arabian Services has conducted direct interview in Mumbai 14th, Chennai 17th & Cochin 18th Dec for the position Safety Officer, Foreman- Static, Store Keeper, Electrician, E&I Engineer, Static Technician, QA/QC Engineer, Rotating Engineer, Instrument Technician and Planning Engineer 101 candidates are placed for the positions.

M/s. Al Ayuni has conducted direct interview in Mumbai 23rd and Trichy 26th, Dec for the positions of Electrician, Maintenance supervisor, Mechanical eng/supervisor, Electrical technician, Loco shutter, Workshop engineer, Heavy Equipment Mechanic, Engine Mechanic, Railway Service Car, Train Operator, Railway maintenance Engineer, 27 candidates are placed for the positions.

Events

- HR Caucus 9th Edition conducted in International location @ Kuwait - 11th Dec '19. (Article on Page No.70)
- Executed Event for SBI Life recorded in LIMCA Books of Record for 8000 Participants held at Chennai Trade Centre, Chennai

APE

ASIA POWER ELECTRICAL LLP

Major Orders

- We have received order from Azure Power Infrastructures Pvt Ltd through VEPL for 25 MVA Power Transformer repair at Ananthapuram Supply of transformer Oil at Ananthapuram site with a value of **1.78 MINR**
- We have received order from Michelin through VMCL for 35MVA, Power Transformer routine testing work with a value of **165,000 INR.**
- We have received order from Steag Energy Services Pvt for 25MVA power transformer OLTC service work with a value of **113,000 INR.**
- We have received order from Azure Power Infrastructures Pvt Ltd through VEPL for supply & Erection of 25 MVA Power Transformer HV Bushing at Ananthapuram site with a value of **566,000 INR.**
- We have received order from Michelin through VMCL for 2.5MVA Transformer- Primary bushing oil leak arresting work and Radiator, other gasket replacement work with a value of **102,000 INR.**
- We have received order from VEPL ICIN-II for transformer service engineer for Myanmar project on day basic with a value of **53,000 INR.**



24th Anniversary Celebrations

The glory of Voltech's prelude to its silver jubilee found the perfect ode at the Chennai trade centre on a cool, fresh, dewy Sunday morning on the third of November. The event glorified Chennai's finest sparkling as the group companies graced the red carpet in a nonpareil constellation grazing against regal velvet. The guests were welcomed in nothing short of a golden chariot as they were ushered in for a special occasion and a memorable journey culminating in an event crafted to celebrate the genius of one man and his undisputable leadership. The sparking event with a fine dusting of gold was the perfect accompaniment for a truly majestic ceremonial moment.

The anniversary celebration this year was bittersweet and melodramatic as the father of the revered CMD had departed to the heavenly abode only a month earlier. So to mark the solemnity of the occasion, the event was dressed as a Gala Lunch, marking the poignancy with which the elder had governed his philanthropic activities. The anniversary event celebrated, rewarded and engaged the audience on this special day in his fond memory.

Through impressive audio visual services, stunning stage designs and lighting displays and full event production management, Voltech's HR team created the perfect atmosphere for an awards night and gala lunch. The integrated approach adopted by the different branches ensured that every technical service perfectly complemented each other, creating a seamless experience from stage to screen for all those in attendance. The custom designed impressive stage sets brought to life the theme of the event using the latest in vision and projection mapping. This was complemented by a splendid lighting system with spectacular lighting effects creating drama and ambiance with crystal-clear audio. By the end of the day, it was evident that the anniversary event had left a lasting impression.

The guests were treated to a scrumptious seven-course lunch and an evening of cultural refinement, splendour, art, music and dancing with stages classical arts, entertainers, guest speakers

and a live raffle draw. In a maroon-decked auditorium that resembled an extravagant ballroom, surrounded by the scions and doyens of the corporate sector both from India and abroad, it was a remarkable night honouring one extraordinary man and his exceptional vision.

A Director of the group explained: "We wanted to immerse our guests in a truly captivating experience with our creative styling and design solutions. Even the invitation card was bespoke. Our effort was to style every inch of the venue, from the entrance way, right down to the table and centrepiece styling. We themed our concept on an exclusive idea while looking to bring the theme to life. Whether it was the perfect table setting, stunning floral arrangement, ambient lighting, music, or the menu which complemented the theme, we gave immense attention to it all! The food was prepared by master-chefs with culinary offerings featuring the entire South Asian region."

The CMD's spokesperson said: "We are thrilled to be able to celebrate so many accomplishments and milestones throughout this year, and especially to say thank you to our loyal customers who have made this 24th anniversary milestone possible."

For the group's silver jubilee next year, the company is planning a dedicated website with information and historic photos; a commemorative coin featuring the CMD's father; a series of activities and events throughout the year marking 25 years; a historic wall calendar which will be available at all offices; a video; and a hardcover history of the group to be published sometime in February 2020.

The event will also feature some rare exhibits of Voltech's creativity that tells the story of the group's significant moments and employees whose work pushed boundaries. The exhibits are part of a year-long exhibition of Voltech's moments, showcasing incidents from its history. Selected by a panel of the group's top management and Sr. Graphic Designer, the exhibition will feature more than 200 photos spanning the past quarter century with the group.

Stars of the Event

The guests of the night included a distinguished and privileged list of who's who in the group and the larger corporate sphere. The guests of honour included visiting dignitaries from 6 countries. This included, Mr. Roberto Paranhos do Rio Branco, the President of the Brazil Chamber of Commerce, Mr. Mario Gambert, Chief Advisor from Germany, Mr. Michael Kashimoto, Chief Advisor from Japan, Mr. Jung Ho BAE, Chief Advisor from Korea, Mr. Plácido Calzada, Chief Advisor from Spain, Mr. John Chellam, Chief Advisor from UK. The other noteworthy individual was Mr. Arul Ayyaswami, Teaming Partner of Tetra Tech from USA. The presence of so many chief advisors was to signal a shift of Voltech's focus from being a domestically oriented company to that of a corporate house with serious business interests in G7 countries. It was a statement and power-play.

Explained Shri. T. Hariraj, CEO of VMCL, "We want to portray our corporate image as that of a citizen of the world. We are multi-cultural, multi-lingual and multi-ethnic but with the freedoms and privileges that come with an inclusive and diverse workplace. The list of individuals speaking here today represents varied and wide ranges of experience steering the helm of our group."

He adds further, "We believe that Indian culture is becoming a global phenomenon. As a technology and service leader, Voltech and its partners will promote Indian culture and engineering excellence to more overseas audience and facilitate a better, stronger, and healthier international relationship. We are optimistic and confident about our future"

The awards afternoon took imagination to the limits of creativity, staging an event of dreams to felicitate long-serving employees. The awards given to those who have served honoured careers with the group, celebrating their achievements of the past, while looking to the future and the grand plans over the horizon. Employees cheered on as their peers and compatriots celebrated their successes with the group and got the recognition they deserved at the most prestigious official event of the year. To ensure the global reach of the host, sophisticated webcasting and event streaming solutions were at play in the background, allowing those far off or deployed at site to join in the festivities.

As the Gala Lunch followed the awards event recognizing excellence and achievements, the paramountcy of the gathering was reflected in the quality, imagination and excellence of the food served along with rare delicacies. The carted lunch was undoubtedly the sector's most popular social event, providing guests with the opportunity to enjoy an unmissable opportunity for networking, fine dining and first-class entertainment. The PR team used the photo-opportunity to spread the message on social media through the events platform. Event Feed was the technological highlight of the anniversary, and helped make all the guests feel centre stage. This was coupled with the numerous heli-cams which were the highlight of the previous year.

The pièce de résistance of the day was for those who were after something more unique, especially the visiting foreign dignitaries, as they were able to enjoy the Tamilnadu experience with a vibrant Tamil welcome performance and prayer, and classical music and dance programmes. The Laxman Sruthi orchestra performed some mesmerizing pieces to regale the audience in the timelessness of melody, taking them through the glorious ages. The visiting dignitaries especially remarked on the beautifully adorned women of the group companies, with flowers braiding their hair, and adorned with exquisite silk sarees. The traditional namaskaram offered with folded hands were performed by some of the most beautiful and elegant of lady staffs of the group.

Several divisions observed themes and dress codes that were as unique as the event ranging from formal/black tie to colour variants of these. The HR team of VEPL matched their attire with the venue and chose a linen texture for good radiance.

Events later during the evening were a fun-filled extravaganza with numerous shows, plays, music, drama and artistic exertions from the employees and their families. To keep the tempo going, the company also organized a raffle draw with expensive gifts of gold to keep the audience at the edge of their seats. The lush richness of the organizing team's attention to detail paid off rich dividends as guests were quite cosy and relaxed after a heavy meal, and reclined on the chairs of the auditorium to absorb the evening's offerings.



Glimpse of Anniversary



Mrs. Valli Murugesan
Founder - MVA Trust & Mother of Managing Director



Mrs. Kalaivani Umapathi
Director - Volttech Engineers Pvt. Ltd.



Mr. R. Swaminathan
Chief Advisor - Volttech Group



Mr. Micheal Kashimoto singing a Japanese Song



Post Lunch Performances by Employees



Compering Team



Mr. T. Hariraj
Chief Executive Officer - VMCL



Mr. S. Arumugavelan & **Mr. M.R.Senthamil Arasu**
Executive Director - Finance & Advisor - Volttech Group



Mr. S. M. Chandra Mohan
Director - Volttech Engineers Pvt. Ltd.



Post Lunch Performances by Childrens of Employees



Post Lunch Performances by Childrens of Employees



Our CMD announcing the winners of Lucky Draw



Our CMD Mr. M. Umapathi honored by Mr. Anul Ayyasami, Teaming Partner - Seta Tech, USA



Mr. S. Vasanth
Director - Volttech Engineers Pvt. Ltd.



Light Music by Laxman Sruthi Orchestra



Post Lunch Performances by Employees



Post Lunch Performances by Employees



Post Lunch Performances by Kids



Stalwarts Honoured

The male and female stalwarts of the Voltech Group were honoured by their peers during the pre-lunch ceremony of the anniversary event. The CMD praised all those who have made significant contributions to the development of the electrical industry, both nationally and regionally, as well as the group through their long service. The Managing Director praised those who through their years with the company had promoted the energy sector as a viable career option; mentoring, motivating and empowering young men women; providing a forum for networking and corporate exchange; fostering an indigenous R&D wing; and building a body of knowledge, technical expertise and best practices in the sector.

The CMD, along with the Directors and the CEO of VMCL recognized the outstanding contributions provided by these gifted individuals to the region's development. A formal release from the CMD's office said the award was intended to recognise individuals within the Voltech family – across the board,

including engineers and staff – who have done an extraordinary job of contributing, in a tangible way, to the building up of the company. The award also honours high-performance individuals whose contributions, particularly in the last year, have truly made a difference among the companies or the Voltech community and/or the industry. It is not limited to service directly in the engineering arena, but for service in any ancillary industry that supports Voltech and brings continuous positive recognition to the region.

The profiles and experience of many of the awardees covered the regulatory, policy and operational spheres of the group. Furthermore, female heads who had successfully headed divisions, and charged with the responsibility for developing systems, procedures and legislation for implementing the government and international standards were duly recognized for their merits and contribution.



Best Factory Award won by IC-M3 (CRP, Bangalore)

The Voltech group formally awarded the CRP Team based out of Bangalore with the Best Factory Award for 2019. The plant was found to have demonstrated excellence in strong leadership and engaged teams which have seized opportunities and collectively overcome many challenges.

The Best Factory award seeks to recognize those Voltech factories which demonstrate excellence across a broad swath of indicators, ranging from safety and employee engagement to quality, productivity, supply chain management and customer care. The jury comprised of the Executive Director, Mr. K. S. V. Vijayan, advisor Mr. R. Swaminathan, Director Mr. S. Manikandan and Executive Director Mr. M. Babu. They evaluated the factories comprehensively on various indications of excellence, and not simply islands of performance.

The CMD commented "The Best Factory award winners show they can deliver across multiple fronts, and equally importantly, show consistent, continuous improvement across their operations. These factories demonstrate the admirable performance metrics that can accrue when manufacturers focus on leadership, teamwork,

technology, coupled with a relentless drive to improve."

The CEO of VMCL emphasized "Our efforts are to perfect the system, so the skill level is not as important. The strategy is to have controls in place to have a consistent and reliable process as much as we can to be sure we can overcome that learning curve."

The CEO later went on to explain how the VMCL team empowers workers, and puts leaders on the plant floor. "Winning factories in this audit reflects the best of real manufacturing. The real winners today are the individual teams and systems at the plant who are tapping into their local creative assets to tackle tough issues, conquer global challenges, and redefining our standard of efficiency along the way."

The head of the CRP Factory in Bangalore, Mr. T. Sudhakar said that the self-directed work teams are what keep production flowing in the factory. "It was a new factory; new processes, new technologies and equipment, and new leadership thinking. We specially imparted training on team work, conflict resolution and problem-solving. Also, our team leaders receive additional and ongoing training."

Best Factory Managers

The award ceremony also gave recognition to best factory managers. Mr. Theivamani of IC-M3, Mr. Sulthan of IC-M4 and Mr. K. Sundar of IC-M5 received the gold, silver and bronze medals respectively.



Gold Award
Mr. Theivamani | IC- M3 (CRP)



Silver Award
Mr. Sulthan | IC- M4 (Electronics)



Bronze Award
Mr. K. Sundar | IC- M5 (FLP)



Best Performers of the Year 2018-19

The CMD's office released this statement prior to the ceremony "Every great work done and milestones achieved by an employee deserves utmost appreciation and respect. And nothing compares better than giving out employee award titles when it comes to extending the same appreciation and respect."

With this intention in mind, the company awarded scores of best performer awards to deserving employees of all ages, rank, religion, language and gender in a grand ceremony that was accompanied by deafening applause and cheering. The best employee awards especially recognize those workers who have consistently outperformed others in the workplace during the past year. This award is weighted on meritocracy, citizenship advocacy and responsibility parameters at the workplace.

The Director, Shri. S. Vasanth remarked "Organising such annual awards gives a boost to productivity by encouraging other employees. Moreover, it also gives employers the opportunity to recognise their top talents and nurture their skills even more." The

standout performer according to the company's internal language is one who has constantly and consistently given their best efforts at work. The award symbolizes recognition for their dedication towards his or her work as well as their peers.

The Director also made an observation "Employees who receive the title of the outstanding performer often make up for the best candidates for the position of team leaders or managers. So this is like a soft ceremony for a promotion! As a responsible and socially sensitive employer, we want our employees to perform above and beyond their capabilities ensuring the maximum productivity."

The office of the AGM said after the ceremony "We know from experience that it takes tremendous levels of motivation to push the employees to excel and perform. We are cognizant of the fact that employees who receive recognition would never hesitate to go the extra mile for getting the job done. That is why this award is so important. It affects our bottom line, and has a strong impact on our end customers."



Corporate Social Responsibility

Continuing in the shadow of the legacy of the late Shri. N. Murugesan, the Voltech group generously awarded millions of rupees this year in charitable contributions to the neediest sections of the society. Providing a ray of hope for scholastic young children, this year, the group handed over cheques and cash endowments in the order of lakhs of rupees, carrying on the tradition which has helped thousands of students in the last decade. The financial support through scholarship was awarded for furthering their academic ambitions.

"My late father was a guiding light for many young minds and I want to continue this in his memory. The quality education he gave me was the greatest gift I could ever receive in this life" said Shri. M. Umapathi, the Managing Director of the Voltech group. The cheques were awarded to the guardians of the scholars in the honour of the founder of the Muvu trust.

The scholarships are awarded purely on merit to those who cannot afford to pay for their education.

"Education is the light that lights others" said the Director, Mrs. U. Kalaivani. The social impact of our efforts is tremendous. This will go a long way in giving a ray of hope to many like these gifted children in the future.

The event also witnessed several endowments given to women for their sustenance and livelihood. Sewing machines were presented to women of poverty stricken families. The Managing Director also presented a wheel chair to a woman who was physically challenged in mobility.

Commenting at the end of the day, the CMD's office quoted the famous line by John Bunyan "You have not lived today until you have done something for someone who can never repay you." The group continues to soldier on in its efforts at social upliftment, and is working tirelessly to build the communities where it has invested.



HR Caucus 2019

9th Edition @ Kuwait



The 9th Edition of the VOLTECH HR Caucus was held on the 11th December 2019 at The Holiday Inn, Kuwait. Closing in on an awesome decade of success and achievement, the HR Caucus has moved out of Indian shores for the first time, reflecting on it becoming a global confluence of ignited minds. The event was attended by the CMD himself as well as the country managers in a star studded event in the Arabian Peninsula. Kuwait was chosen for its prominence at the juxtaposition of the Arabian and Persian regions. The enlivening discussions amalgamated different viewpoints, and best business practices in a rapidly evolving corporate landscape against a Middle Eastern backdrop. A very prominent group of Arab clients had graced the occasion, and their presence was seen as a huge boost for Voltech's Gulf ambitions.

The HR Caucus organized and hosted by VOLTECH under VHRSS serves as a platform to invite the best minds of the Industry and Academia in promoting, adopting and exploring new paradigms in HR Policies and Processes to improve Employee Morale and Productivity, while emphasizing on sustainable, ethical and fair practices across the Industrial Sphere.

The 2019 HR Caucus was a grand success, witnessing over 150 registrations from HR Practitioners across the leading Corporate Houses and MNCs all over the world. The Theme of the Caucus, focused on the increasingly global outlook and cosmopolitan culture prevailing in the global corporate charter, cultural acclimatization of foreign manpower into the gulf workforce, and cross-cultural issues that arise in a multifaceted, interlinked economic scenario. The caucus emphasized the importance of managing cultural diversity for creative and beneficial ends. The theme assumes significance against a resurgent and business oriented Government that is now promoting Manufacturing and Foreign Corporate Investments.

The HR Caucus theme was succinctly summarized within its logo that enmeshed different geographies, and the symbolic collegium of hands of different colors, forms, shapes and sizes within a kaleidoscope of a beautiful ornamental palette. The rich texture and the design was a summative confluence of many ideas, symbolizing individuals who do not lose their identity within the mesh, and the radiance of each that reflects within the design as a unique singularity in a multitude of diversity.

Events & Celebrations

Ayudha Pooja @ Voltech Eco Tower

Ayudha Pooja is a holy ceremony in the Hindu culture to invoke blessings for the tools with which a person earns his/her living. Artisans, craftsman and people engaged in all forms of vocational and non-vocational arts offer their tools in god's presence as a thank offering for their skills and talents, and to reap the rewards of their efforts. The festival, which falls on the 9th day of Navami, is on the last day of the Navaratri festival and is observed all over India and practitioners of the Hindu faith.

Ayudha Pooja prayers were offered at the Eco-tower, in the presence of the MD as well as the entire management and staff of Voltech. Special prayers were offered for all the company's tools and equipment, as well as its books of accounts, brochures, promotional materials, pens and stationery as well as all other affiliated materials in the presence of a temple priest. Prayers were chanted while the ceremony was in progress, with turmeric paste and sandalwood paste being applied to all tools, machines, vehicles, and other devices in the form of a tilak and a vermilion. The consecrated articles placed on the platform adorned with flowers were worshipped along with the images of Saraswati, Lakshmi and Parvati.

The ceremony was concluded with the distribution of sweets to all those attending the Pooja ceremony. The MD also handed out presents and sweets to all the employees wishing greetings to their families and loved ones.



The MD performing the pooja



The CFO presenting gifts and greetings to employees



The MD presenting gifts and greetings to employees



Employees in attendance during the pooja

New Year Celebrations @ Voltech Eco Tower

New Year Celebrations, a blessing Pooja and a collective meeting of all staffs were held on the 1st of January 2020 at 2.30 pm at the Eco Tower Head office and earlier that day at Voltech Technopark, Pillaipakkam, Cheyyar and Kovoor respectively. This year was a sober and sorrowful as it was conspicuous by the absence of the CMD's revered father, Shri. N. Murugesan who had departed to the eternal abode. The CMD himself led the prayer ceremony this year with all his heads present.

The MD's address after the prayer was full of emotion as he recounted both the good things and tragedies that struck him. He congratulated all his staff members on their excellent effort, and advised all to be 'cost oriented' in identifying all areas where costs could be brought down. The MD appraised the gathering on the economic outlook for the company and the competitive horizon in the forthcoming periods.

After the ceremony was concluded, sweets and calendars were distributed to all employees by the CMD, along with the 2020 corporate diary. On account of the ceremonial importance of the auspicious day, the corporate office functioned only till late afternoon.



The MD delivering a motivational speech



The MD presenting Diaries & sweets to employees

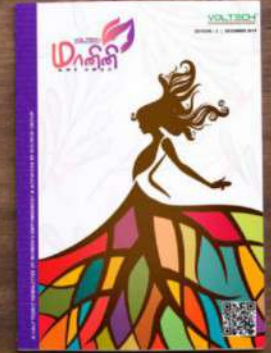
Voltech Manini Valar Mandram Team's Trip to "Mahabalipuram and a Beach Resort"



Members of VMVM, numbering 50 in total went on a company sponsored outing cum picnic to Mahabalipuram on the 7th of December as part of a celebratory occasion to mark the remarkable achievements of the group in a short span of time. The President of VMVM, Mrs. R. Indira as well as the Advisor, Mrs. A. Annapoorani were also present to give leadership for this special occasion. The entourage first visited the rock-cut temples at Mahabalipuram near the beaches, and got a guided tour about the history and architecture of these monuments of splendour. The members thereafter visited an exclusive seaside resort for lunch and a host of fun events like games and ice-breakers. Later in the afternoon, the group spend the rest of their day lazing by the seaside in a posh high-end private beach resort, sharing stories and making plans for the future of their enterprise at Voltech. The bus returned back to the Eco Tower main campus by 6:00 pm.

Fun Games organized by Ms. Indumathi and supported by following members,

- Mrs. Rajalakshmi
- Mrs. Kanmani
- Ms. S. Raashika
- Ms. Tharini Devi
- Ms. Gnanasoundari
- Mrs. Anbarasi



Edition 2 - Launched

Half yearly newsletter of
Women's empowerment & activities
by Voltech Group

Scan Here



Looking Ahead!

From the Desk of
Mr. R. Adalarasan
Vice President - IC M1 (Transformers)

“Never stop learning, because Life never stops you teaching!”

“The Transformers Division of VMCL has been in the limelight recently for all the right reasons. With the Andrew Yule Order under its belt, it held the record for the single largest rating ever awarded to the division. The IC-M1 division is generally regarded as the flagship division of VMCL and its head, Adalarasan as a real disruptor and market maven. He also holds the distinction of being one of the youngest people to head one of the largest and most prestigious divisions of the company. In an exclusive interview with Vista, Adalarasan opens up about his plans for the company, in a hectic schedule interspersed with phone-calls and meetings. Edited excerpts”

Transformers division has got some mega orders in recent months. What's the secret behind this success?

Well, it's not like there is a big secret behind this. We systematically reach out & map the business with big EPC's & Utilities. At the end of the day, it is factors like quality, commitment, after-sales service and reputation that makes a difference. Of course, cost is also a major consideration for the client. I'll say that the strength is in our brand name "Voltech" and customer confidence in us.

Regarding booking of Mega-orders, it is purely based on customers trust and faith in the Voltech group. This has partly been attributed to the legacy effect of our quarter century in the electrical services industry. This reputation was not created overnight. It was built on successful orders and a tireless, persistent and consistent commitment to excellence, which is at the root of all our efforts. Customers have over time reposed their trust in the Voltech brand, knowing that their project will be made profitable through our efforts. We also strive to maintain a balance on cost and quality. Surely the Transformers division is one of many superlatives on production and quality.

What are the market prospects for Transformer division in high capacity transformers manufacturing? What are the challenges

Market prospects in the public sector has seen a strong impetus with Government schemes such as the DDUGJY and IPDS which are aimed at improving the distribution networks in rural and urban areas respectively. This has given a strong push for demand in distribution transformers in India. This has been particularly opportunistic for our group as we have developed strength and proficiency in bidding for Government contracts.

Electricity generation is a key constituent for the economic growth of the country and is directly linked to GDP of the country. There has been a surge in demand for power in India due to increase in capacity utilisation, industrialisation, urbanisation and population. This would keep the Voltech brand in play at the national level.

India's Transformer market is predominantly unorganised with many small participants catering to the smaller distribution transformer markets. However, many are slowly graduating to the medium-sized category, thus expanding the organised participants' base. Our challenge is in balancing these attributes. This is the only viable point-of-differentiation for a sustainable competitive advantage. We are working simultaneously on both fronts to drive down our costs while not compromising on quality.

How are prevailing market conditions (government sector and private sector) impacting business for Transformers division?

With the implementation of UDAY and other discom schemes, there is a huge acceleration of infrastructural amendment in India. This has influenced invitation for bids for refurbishment and up-gradation of the existing T&D network. We have anticipated this, and are trying to capture this market. There is a lot of value here for us.

The government initiatives like DDUGJY, IPDS and growing FDI in power industry are few growth drivers in the industry. The growth in renewable energy sector also substantially helps in increase in demand for transformers. So our future predictions are very optimistic at this point!

What are some of the anticipated obstacles and challenges facing Transformers division in the immediate future?

The major problems with power transformers are cost, size, weight and efficiency. Power transformers are made of things that are large, heavy and expensive like copper and steel. It is possible to make a power transformer that is very, very efficient but for a given power level but it will be large, heavy and expensive compared to a transformer made for lower efficiency. R&D is something we are keenly looking at. I believe that it will have long term implications for our business in the coming decade. We can only strengthen our presence by holding our ground against competition from overseas. If the Indian market opens up any further, we might have to face aggressive competitors from other Asian countries. Our USP then will be the outcome of our collect R&D efforts, and in putting them to practice on the factory floor.

Interview Feature

Mr. R. Adalarasan

Vice President - IC M1 (Transformers)

What are the latest emerging technologies and practices within the sector?

Transformer technologies have evolved considerably to meet the emerging requirements of utilities and enhance power system reliability. Over the years, a number of technological improvements have been made to transformers, which perform the important function of adapting voltage levels, stepping up to ensure efficient long distance high voltage transmission and stepping down for distribution of electricity to consumers.

Technology trends in materials used?

In terms of basic core materials, used in transformer manufacturing, there has been a gradual shift from CRGO M4 steel sheets to amorphous steel to laser scribed core material grade ZDKH. Further, the materials used in transformer windings have changed from paper insulated regulator copper conductors to epoxy coated continuously transposed conductors. This has resulted in compact size and better space utilisation.

For transformer insulation paper, high density kraft paper and thermally upgraded paper are being used currently. Also, the use of ester oil is growing as compared to conventional transformer oil due to environmental concerns. Ester oil offers several advantages, including biodegradability, higher flashpoint, higher thermal conductivity, lower calorific value, higher temperature stability, and better benefit-to-cost ratio than mineral oil.

How is transformers division placed to tackle the challenges in the International Market? What are its new initiatives in the pipeline?

Electricity consumption and economic growth are heavily interlinked, with secure electricity supply crucial for strong industry performance. This enhances

the economy of a country. Increased market activity within countries in South East Asia and MEA (the Middle East and Africa) are contributing to the demand for distribution transformers in their respective regional markets

Global Data's report finds that the growth of the global market is expected to slow down in the forecast period (2019-2023), with major nations shifting focus from large scale deployment to transformer replacements. Nevertheless, countries in South East Asia, the Middle East, and Africa are likely to witness distribution transformer capacity additions, to support their development objectives

Can you talk about some successes of the division in the past 12 months? (Any big order, mega project, award, photos of site etc.)?

We have received highest capacity order from Andrew Yule with the rating of 20MVA/66KV Voltage class and received biggest value order from L&T for Saubhagya scheme in Jammu & Kashmir and it has given more confidence to our team to go next level in terms of Capacity enhancement.

IC-M1's growth plans? Where does the division see itself in the next 5 years? A good story about recent incident.?

For the past ten years we have been increased our Turnover tremendously from 4 Crore to 125 Crores with the supply of more than fifteen thousand transformers to different utilities, EPCs, Contractors and End users.

Our Plan is to increase the infrastructure and double the turnover in the next five years.

HR Induction Training @ Voltech Eco Tower

The AGM-HR, E. Kumaresan has famously remarked: "No employee will ever forget their first few days in a job. If this experience does not meet expectations, especially for a fresh graduate just out of college, it will significantly impact their overall job satisfaction and well-being for much of their careers."

The hugely successful induction training programme of Voltech ensures that new employees settle into their employment easily and become effective as soon as possible. The effective induction programmes of Voltech have encouraged closer identification with the group and also assist in reducing employee turnover. The know-Voltech programme, divided into general induction and departmental induction aside from technical-training and evaluation, covers a fortnight long schedule assisted by a checklist and involving Blooms taxonomy. Trainee engineers were oriented on each of the following:

- A brief description of the company its history, products, organisation and management.
- Basic conditions of employment and company rules
- Education and training.
- Health and safety arrangements.
- Restaurant and canteen facilities.
- Social and welfare arrangements

...among a host of other benefits and schemes. The HR team used a digital checklist for each employee assisted by the state-of-the-art ERP program to monitor progress and provide personal interventions and counselling wherever necessary. The HR team issued this formal statement: "Induction training is systematic training. The systematic model supplements natural learning with a systematic intervention that relates to the organisations objectives."

A total of 150 new engineers were inducted into the rolls during the October-December quarter, with each passing candidate being awarded a certificate. The official passing ceremony was presided over by the Executive Director, Mr. M. Babu in the presence of Head-HR (VEPL).

The AGM-HR issued the following statement to the Editorial Team: "On the point of values and philosophy, induction training offers a wonderful early opportunity to establish clear foundations and expectations in terms of ethics, integrity, corporate social responsibility, and all the other converging concepts in this area that are the bedrock of all good modern responsible organisations. We encourage love and spirituality in our organisation so that trainers and new starters - anyone - can bring compassion and humanity to work. The starting point is actually putting these fundamental life-forces on the workplace agenda."



The AGM - HR briefing about Company's policy



Participants undergoing the orientation



Group picture of Engineers with Mr. R. Adalarasan - VP, Mr. E. Kumaresan - AGM | HR & Mr. K. Dhavamani, Chief Officer - Safety



Group picture of Engineers with Mr. K.S.V. Vijayan - Executive Director & Ms. Sanusha - Executive HR



Interactive session with the engineers by Mr. M. Babu, Executive Director



EHS Induction & Training @ Voltech Eco Tower

SAFETY TRAININGThe Office of the Chief Safety Officer reported that a total of 57 safety programmes were carried out over 13 sites at domestic and international sites respectively during the Oct-Dec period, impacting a total of 600 employees deployed at various projects. Voltech's safety training programmes are designed to help reduce injuries, facilitate compliance, manage risk and maintain a safer workplace. A wide variety of safety-related training on a range of topics were given during this period, with DVDs and other training kits, onsite training services and online training being deployed by Safety Officers. The course content included both instructor-led and hands on training through the network of Safety Service Officers to help ensure that employees have the skills and knowledge needed to keep their workplaces safe.

The theme of the Oct-Dec period was on encouraging an 'incident reporting culture'. The CSO's office elaborated; "We need to encourage an incident reporting culture so that one can effortlessly create a safer workplace and can

identify how Voltech can continually improve the workplace environment. When a new incident occurs, we need to develop a rapid relay system to communicate the message to all our employees to avoid the incident from happening a second time."

The Deputy CSO also provided some cues: "Employees need to be able to easily access old hazard reports so they can learn on-the-job. So we have taken an initiative to share all our accident reports with site supervisors at various locations so that they can share an archive of accident histories at their sites. Our intention is to be able to warn and alert our engineers to a hazard before it happens. When something like that happens, we need to be able to handle the situation during the incident. And then after the incident, we have to be able to easily let the rest of the team know. There is a lot that goes into protecting our employees so you must have a stable process in place."

The CSO's office fastidiously documents all training programmes. The training matrix jointly developed by HR and CSO keeps track of who has been trained, when they were trained, the training topic, and when it is time for refresher training. The CSO's office also maintains an official sign-in sheet from employees that serve as proof that they have received proper training. The sign-in sheet has a broad description of what is being covered in the training. The Safety Officers also conduct tests and/or quizzes on the presented material to gauge employee understanding of the material and highlight topics that need to be reviewed.

The AGM-HR remarked, "Our Safety Training programmes follow a PMC system. Prevention-Mitigation-Countermeasures. The regulatory demands of OSHA and state health and safety authorities are a bare minimum. We try to go above and beyond that to pre-empt incidents before they can occur. The issue with incident reporting is that it is not followed diligently in most places. When there is a near-miss, people simply don't report it because they think it is a non-issue. This is the greatest danger and obstacle to our work. So we are emphasizing on an incident reporting culture. This culture is not prevalent in the Indian scenario unlike western countries, but that mindset needs to change."

The CSO's office issued a formal statement: "The non-English speaking population is consistently growing in our site locations owing to our corporate diversity, and so we now provide bilingual training for those workers as per OSHA specifications. Training is now provided in all local Indian languages, as well as Arabic, Persian, Africans, and South-East Asian dialects."



Interactive session of Q&A's fielded by Mr. Kalaivanan



Participants being prepped for a safety activity



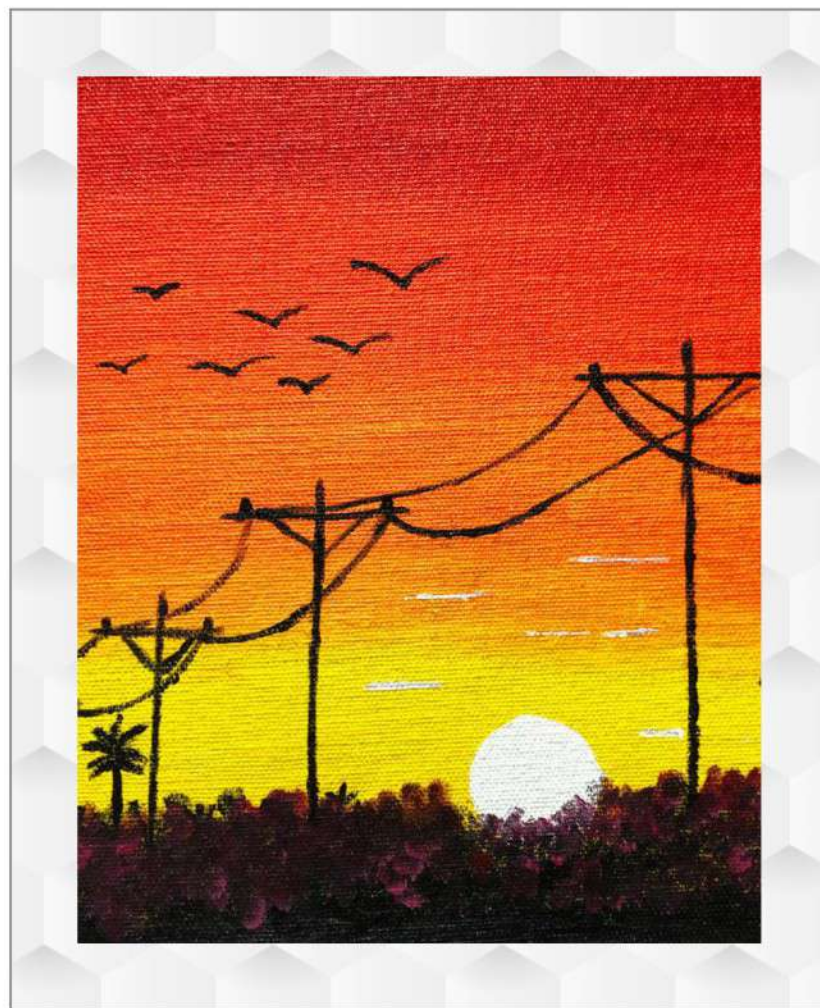
Mr. Kalaivanan imparting safety training & best practices



The CSO giving a report of the company's safety record

■ Employees Corner

10 WAYS TO KEEP YOUR BRAIN HEALTHY



Canvas Painting by

Mr. S. Manikandan

Director - VOMSPL

Wedding Bells



Groom : Mr. S. Cheran - Asst. Engineer | IC M3
Bride : Mrs. R. Tamizhselvi
Marriage Date : 03/11/2019



Groom : Mr. V. Thilakar - Asst. Manager | IC M1
Bride : Mrs. P. Kiruthika
Marriage Date : 10/11/2019



Groom : Mr. P. Prabhu - Engineer | IC C&I
Bride : Mrs. S. Shanthy Priya
Marriage Date : 01/12/2019



Groom : Mr. R. Eashwar Shankar - AGM Marketing | IC M2
Bride : Mrs. Banu Brindha
Marriage Date : 02/12/2019



Bride : Mrs. D. Keerthika - Asst. Manager | IC D2
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