

News



e=CS²
Newsletter
2012
Volume-VII

Biggest news of the year is the acquisition of 100% equity of Etacom ISD BV, a Dutch holding company of Etacom group. Etacom ISD BV is the international leader for specialized cast resin insulated busbars.

The acquisition is strategically very important for C&S Electric as it provides a complimentary product offering of cast resin low and medium voltage busbars to our existing range of Power Busbar solutions.

With this acquisition C&S Electric offers the widest range of Power Busbars amongst any manufacturer in the world – including ISO Phase Busbars, Seg

Phase Busbars, Sandwich and Air Insulated Bustrunking, Rising Main Bustrunking, Lighting Bustrunking and now Cast Resin Busbars.

C&S is the domestic market leader in the busbar segment and with this addition, it can extend its market positioning at a global level, in addition to giving the company a European footprint to expand the exports of its other products as well. In addition, the cast resin busbar product offering also gives global access to the oil and gas segment for both on-shore and off-shore projects.

The cast resin solution essentially provides a weatherproof and anti-corrosive solution, which is suitable for outdoor, humid and corrosive applications, thus enhancing the safety and reliability of the electrical installation.

C&S Electric has already executed three Installations in India along with Etacom including the distribution of electricity at the recently inaugurated Formula 1 track in Noida.

Etacom + C&S power busbar products have installation in more than 50 countries across the world.

Acquisition of ETACOM



We touch your electricity everyday!

DELIVERING ON THE PROMISE OF SOLAR ENERGY

Haryana's First 1MWp Solar Power Plant

C&S Electric Limited has successfully synchronized its 1 MWp Solar PV Power Plant with the grid at village Nandha, district Bhiwani and commenced export of power w.e.f. 28th June 2011, thereby becoming the 1st ever MWp rating Solar PV Power Plant operating in Haryana.

On all-India basis this is the second Solar PV Power Plant to be successfully synchronized with the grid under MNRE RPSSGP program.

The turnkey EPC of the project was undertaken by C&S Electric itself completing it well ahead of the committed timeline, creating a benchmark for quality, innovative engineering and energy efficiency.

C&S Electric is planning to undertake Solar PV Power Plant EPC contracts in the range of 1 MWp to 20MWp based on crystalline and thin film technologies. We are fully geared up to undertake multi-MWp Utility Scale PV Power Plant EPC - Engineering, Procurement, Construction to world class standards based on crystalline and thin film technologies. The sourcing tie-up for PV modules and high efficiency inverters are already in place. Our electrical engineering/ controls/ electronics competency fits into this domain naturally and enables us to be a leader in this complex and specialized field.

Appreciation Certificate

इरेडा
IREDA
IS/ISO 9001 : 2008 Certified

भारतीय अक्षय ऊर्जा विकास संस्था सीमित
(भारत सरकार का प्रविष्टान)

Indian Renewable Energy Development Agency Limited
(A Government of India Enterprise)

कॉर्पोरेट कार्यालय : वीरसत तल, अगस्त क्रांति भवन, पीएमएजी बंगला प्लेस, नई दिल्ली-110 066
Corporate Office : 3rd Floor, August Kranti Bhawan, Bhikaji Cama Place, New Delhi - 110 066
दूरभाष/Tel.: 011-26717400-12, फैक्स/Fax: 011-26717416, ई-मेल/E-mail: cnd@ireda.in, वेबसाइट/Website: www.ireda.gov.in

No.:232/94/ST/2010/IREDA/ 16th Dated: 1st July, 2011

M/s. C&S Electric Ltd.,
222, Okhla Industrial Estate,
Phase - III,
New Delhi - 110020 (Kind Attn.: Rohit Dhar, Senior Vice President)

Sub:- 1 MW Solar PV Plant under JNNSM of RPSSGP Scheme - reg.

Dear Sir,

We are pleased to note that the 1 MW Solar Power Plant has been successfully commissioned under RPSSGP Scheme.

We congratulate your company for commissioning the project well within the scheduled time and also to become the Second Solar Power Plant commissioned under the RPSSGP Scheme - "Jawaharlal Nehru National Solar Mission". **It is expected that the project has been executed as per RPSSGP Guidelines.**

We hope that you are continuously monitoring/collecting the radiation data at the site and also recording power generation data using SCADA system from the date of commissioning of the plant.

We would request you to kindly provide the power generation data and requisite information/documents as per the format enclosed for our records.

Thanking you, Yours faithfully,

(B.V.Rao)
General Manager (PTS)

Encl.: as above

पंजीकृत कार्यालय : भारत पर्यावास केन्द्र, कोर-4-ए, ईस्ट कोर्ट, प्रथम तल, लोधी रोड, नई दिल्ली-110 003
साश्वत ऊर्जा • ENERGY FOR EVER

Haryana's First 1MWp Solar Power Plant Developed, Engineered, Constructed & Operated by C&S Electric Ltd.

Haryana's CM Mr. Hooda with C&S Electric CMD Mr. R.N. Khanna inaugurating Haryana's 1st Solar Power Plant

Team involved in making it successful

Mr. Anuj Khanna, Director sharing his thoughts on Solar Power

Haryana's First Solar Power Plant at Nandha, Bhiwani, Haryana

We touch your electricity everyday!

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Landmark Orders

Panel Division at Nuclear Power Plant

This year panel division made major breakthrough in nuclear sector & booked order from BGR Energy for NPCIL - RAPP & KAPP Plants. Order booking from various sector crossed INR 200 crore, which includes mega power projects from Doosan for GMR and from BHEL for Tuticorin, Monnet & Shree Singaji projects. C&S Panel division bagged order for supply of panels to 30 Nos. Airfields at various Air Force Stations across the country.



They also got major order for supply of LT MCCs for north middle area gas exploitation project in Syria.

Making "Made in India" Respected World Over



C&S Export division added another feather to its hat by winning single largest export order worth more than \$1.5 mn. from Russia. It has also received single largest order for INR 25 crore for power busbar from Doha Mall at Abu Hamour, Qatar.

They have also received approval from Abudhabi Distribution Company for sandwich bustrunking product range.

EPC Division on Exponential Growth Path

This year has been a great year for EPC division, they received order for electrical installation work at India's biggest oil refinery at Paradeep. They won C&S's first 50 cr. single largest order for electrical installation work at upcoming AIIMS hospital in Bhopal. They also won prestigious order for modernization of 30 nos. air field infrastructure phase-I from TATA Power.



C&S Busduct Powering India

Busduct division made major breakthrough in nuclear sector by receiving orders from NPCL for RAPP & KAPP project. The division received export order from Alstom Hydro France for Isolated Phase Busduct and equipment.



Powering Jal Nigam, Uttarakhand & IOCL, Assam

C&S Himoina won an order from Jal Nigam, Uttarakhand for supplying 1010kV DG Sets. They also supplied lighting tower to IOCL Bongaigaon Refinery Assam.



C&S Package Substation Powering Mumbai

C&S received its single largest order of packaged substation from Reliance Discom - Mumbai. In addition to this, the division also received their first export order from Angola.



Dominance in Power Distribution in Delhi NCR

C&S Electric continues to be preferred choice of power distribution companies in Delhi NCR. MV Switchgear division supplied Ring main units to BSES Rajdhani Power Limited, BSES Yamuna Power Limited & Noida Power Co. Limited. The major order for MV Switchgear includes-



- Ring Main Units for BSES Rajdhani & Yamuna Power Limited-Delhi
- Ring Main Units for Noida Power Co. Ltd.-Noida
- 33kV switchgear for Tata Power-Mumbai
- 33kV switchgear for 35MW LANCO Solar PV Power plant in Rajasthan

India's 1st Formula1 Race Powered & Illuminated by C&S



India hosted its first Formula1 race & we are proud to share with you that the event was largely powered by C&S Bustrunking & illuminated by C&S lighting products.

North India's Largest LED Street Light Installation



C&S LWA division bagged its single ever largest LED streetlight order for more than 9000 luminaires. These luminaires are used in replacing existing conventional HID luminaires in SIDCUL Utrkhand.

New Changeover

C&S introduces a new series of on-load changeover switches. The new changeover exhibits an impeccable performance engendered in it by the excellence in design and engineering.

The New Changeover Switch offer following features

- Compact construction
- Quick make quick break mechanism
- Positive ON/OFF indication, indicate true position of contacts
- High thermal and dynamic strength to withstand rated fused short circuit current level of 80kARMS
- Available in open execution and in sheet steel enclosure
- Suitable for capacitor switching and as a main switch
- Silver plated copper current carrying parts
- Adjustable telescopic shaft
- Handle with built in padlocking facility in all three positions I-O-II



Frame 2 125, 160, 200A

CSEPro Protection Solution

CSEPro-F300 : Feeder Protection Relay/ CSEPro-M200: Motor Protection Relay/ CSEPro-T170: Transformer Protection Relay

- Digital signal processor based numerical design
- Modular architecture with self CT shorting

Multifunction relay

- Protection, metering, supervision, control with data acquisition & recording
- Multi- protocol communication (Ethernet /RS485 rear; USB on front)
- Freely programmable DI/ DO
- IP54 front dust cover
- Fault /Event /Oscilloscope recording/ Multi-group settings
- Universal auxiliary supply -24V to 270V AC/ DC
- CT secondary- 1A & 5A (site selectable)
- Rated frequency- 50/60Hz (site selectable)
- High reliability- Design as per IEC60255,IEC61000 & IEC60068 for operating in electrical harsh conditions



CSEPro-T170

CSDPR- V2 : Self Powered Protection Relay for RMU

- Compact numeric design size
- Low VA burden
- Penta power (get energizes from any one: CT, VT, Battery, USB, Solar)
- RS485 MODBUS communication
- O/C, S/C, E/F and E/F High set/Unbalance / TCS/ CBFP protection
- RS-485 MODBUS communication rear panel/ USB port for laptop
- Last 5 fault record with time stamp
- Remote trip / remote protection block input DI
- Output programmable 4 contacts (latch)
- Two sets of protection group
- Potential pulse output for direct triggering the circuit breaker coil



CSDPR-V2

Switch Disconnecter Fuse

New Test Position Switch Disconnecter Fuse

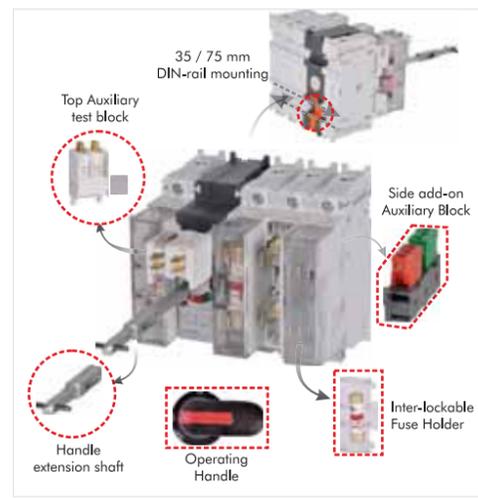
New test position SDF is the innovative member in the Switch Disconnecter Fuse family. This new test position SDF is available in current rating of 32A and 63A in DP, TP and TPN configurations with cylindrical type fuses.

Features

- Unique test position enables testing of Aux. circuit without energizing the mains
- Range - 32A & 63A (DP/TP/TPN)
- Completely modular design with 22mm pole pitch
- Compact size offers space saving at the point of installation
- Suitable for mounting on 35 & 75mm din rail, as well as screw mounting
- Flexible and ease of use with options of side or center mechanism
- Positive ON/OFF indication
- Handle shaft extension flexibility
- Suitable for 25mm 2 aluminum cable termination

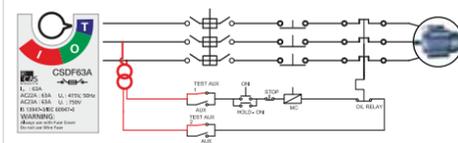
Safety

- Switched neutral for added safety in 4 pole
- 100% rated isolable neutral in TPN
- Interlocking facility for fuse cover
- IP20 finger protection for user safety



Unique Test Position

Power circuit is OFF
Control circuit is ON through Test Auxiliaries



LED Streetlight System

Streetlights are major source of electricity consumption in public lighting. To reduce the consumption costumers are shifting to energy efficient LED based streetlights. C&S present energy efficient LED streetlight range Uber. Uber is available in different shapes, design and wattage. This new streetlight is available in 12W to 200W rating with IP65 protection. C&S is offering 3 year warranty on LED streetlights. The Uber range of LED streetlight can easily replace existing range of conventional luminaire. C&S is supplying these LED streetlights to various upcoming projects including north India's largest street light project at SIDCUL Uttarakhand.



Features

- Housing – Single piece pressure die cast aluminium alloy LM6
- LEDs – Osram / Philips make LEDs.
- Cover – Heat resistant toughened printed glass
- Thermal management - The heat sinking is been vigilantly tested to ensure that the LEDs hold their intensity & Kelvin color temperature over a period of time.
- Wattage – 12W to 200W.
- Ingress Protection – IP65
- Driver – Inbuilt constant current electronic driver
- Suitable for street, parks & gardens, roundabouts, malls, factories etc.

Himoina Generating Sets

C&S Himoina launched new range of Trolley mounted DG sets & Mobile Lighting Tower from 7.5kVA to 1000kVA rating.



Trolley mounted DGs available for various ratings.



Mobile Lighting Tower
Range: 7.5-20kVA

micropro 3.1 ACB release

C&S introduces a new release Micropro 3.1 in its range of microprocessor based ACB release. Micropro 3.1 has been specifically designed with LSIG protective functions in a compact unit offering an economical solution for basic application areas.

Types of protection functions

- Overload protection
Pick up- 0.4 to 1.1 IN and OFF
Delay- 2.5 to 35 Sec
- Short-circuit protection
Pick up- 1.5 to 9.0 Ir
Delay- 50 to 800 msec
- Instantaneous protection- 3.0 to 10 IN and OFF
- Earth fault protection
Pick up- 0.2 to 0.9 IN and OFF
Delay- 50 to 800 msec
- In built thermal memory

Salient features

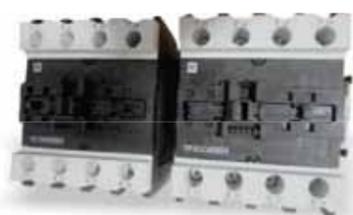
- Individual fault indication LED's
- Tripping characteristics
- Inbuilt MCR
- Built in release test function
- Setting adjustments using DIP switches



micropro 3.1

AC~DC Mechanical Interlocked RobusTa Contactor

C&S launched RobusTa Contactor AC1 60 Amps; AC~DC Mechanical & Electrical interlocked in the same frame size and height, has been developed to meet the new emerging application requirement in the Integrated Power Management System (IPMS) for telecom segment. The product developed, has met the acceptance & approval from the major IPMS manufacturers catering to the requirement of Indus Towers Ltd. & Bharti Telecom.



RobusTa Contactor with Extended Terminals Facility

RobusTa Contactors 3&4 Pole, rating 40 Amps ~ 500 Amps have been re-engineered with extended terminals for adaptation with aluminum bus-bar to meet market specific need in the application of DG set, UPS panels & other similar applications.



Lighting Trunking

C&S introduces new Lighting Trunking system an ideal solution for low power distribution. This new trunking system simplifies the installation of continuous layout with high degree of flexibility. It is an energy efficient & sustainable power distribution solution with provision of expansion, changes, replacement & reusing. It is very easy & quick to install as compared to conventional system of power distribution. This new lighting trunking system is available in 25A, 32A, 40A & 63A rating with IP54/IP55 options.



(25-63A)

Features

- Plug-in box rating 6A, 10A, 16A (with/without fuse)
- Busbar configuration
2P-L1/N/PE (housing)
4P-L1/L2/L3/N/PE (housing)
6P-L1/L2/L3/N1/N2/E/PE (housing)
- Flexible elbow allows to change its direction with respect to the distribution layout
- Its inbuilt push fit joint, fitted at either ends to join the two elements

Anmol Motor Starters



C&S has introduced Anmol Submersible Pump Motor Starter which has been designed for rugged Indian tropical condition encountering wide voltage fluctuations with reliable trouble free long life. Anmol Submersible Pump Motor Starter is reliable, dependable & easy to maintenance.

(A) Anmol Single Phase Submersible Pump Motor Starter

- Incorporates 2 Pole contactors
- AC3 rating: 20~25A
- 2 Pole thermal overload relay type LR7 range 4A~32A
- Provided with heavy duty run & start capacitors
- Meters & provision of dry run relay protection
- Housed in dual tone sheet steel IP54 protection enclosure



(B) DOL Submersible Pump Motor Starter

- Incorporates 4 Pole heavy duty contactors
- AC3 rating: 20~25 A
- 3 Pole thermal overload relay type LR3 range 2.5~20A
- Provided with electronic single phase preventor Auto/Manual start selector switch meters "ON/OFF" LED indicating lamps
- Provision of dry run relay protection
- TP MCB & voltmeter selector switch
- Housed in dual tone sheet steel IP54 protection enclosure



(C) Star Delta Submersible Pump Motor Starter

- Incorporates 4 Pole heavy duty contactors
- AC3 rating: 20~25A
- 3 Pole thermal overload relay type LR3 range 2.5~57A
- Provided with electronic single phase preventor
- Auto/Manual start selector switch
- Meters "ON/OFF" & RYB LED indicating lamps
- Provision of dry run relay protection
- TP MCB & Voltmeter selector switch
- Housed in dual tone sheet steel IP54 protection enclosure



Universal AC~DC LED Indication Lamp

22.5mm LED lamps now have availability of universal voltage 12V~ 240V AC~DC universal indication lamps to meet emerging market requirements.



Two way Centre OFF Changeover Switch

Proven & trusted product C&S Wintrip

Features

- Compact design
- Double break contacts
- Shrouded terminal
- Can be mounted with other products like MCB, RCCB, Isolator in Distribution board
- Front operation with three positions I-O-II
Mid position OFF



MCB • RCCB • Isolator • DB

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Exhibitions

Elecrama Exhibition - Mumbai



This year our participation at Elecrama 2012 (an international electrical & electronic trade fair) has been different in many ways. We showcased our complete range of products in the event which was very much appreciated by all the visitors. We formally launched our new power busbar product range- Betobar, cast insulated busway system. Other new product launched in exhibition included new range of Contactor, Anmol Starter & LED lighting solutions. Constructionally also our stall was different from our previous appearances. This time we made our stall without mezzanine & shifted cafeteria & meeting point on ground floor. Our stall witnessed many visitors not only from India, but from all corners of world. The visitor profile included customers, consultants, architects, Govt. officers, decision makers & managerial level people.

Middle East Exhibition - Dubai



We participated in Middle East Electricity show at Dubai. Along with other range of products we also displayed our new power busbar product – Betobar. MEE is a leading electricity trade fair in Middle East region.

Elektro Exhibition - Russia



Electro Tech 2012- Kathmandu, Nepal



C&S Electric first time participated in exhibition Electro Tech 2012 at Kathmandu Nepal. We exhibited our entire range of products there. This exhibition will help us in boosting our business in Nepal.

LED Expo - Delhi



IGBC Exhibition - Delhi



We participated in IGBC congress at Delhi held from 20th to 22nd October 2011. IGBC exhibition is promoting use of energy efficient products in building construction. In this exhibition we displayed our energy efficient MCBs & LED Push Buttons, Bus Trunking, Solar EPC & LED Lighting products. Many consultants, architects & decision makers visited our stall.

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expanding frontiers

Wintrip Range of Products Reaching at Door-steps of Every Consumer & House-hold

C&S Wintrip products are now available across India through 104 retail distributors & 2374 retail outlets. We have successfully trained & enrolled more than 7800 electricians through our training program.

WiNtrip

Miniature Circuit Breaker



104
Retail Distributors

2374
Retailers

7839
Electrician Members

Anmol Motor Starter

Anmol Submersible Pump Motor Starter has been launched in various markets of the country supported with field promotional activities.



Powering The World

This year we expanded our wings to African countries. We made our presence felt there & thus increased our reach to more than 78 countries.

Entry In Africa



We touch your electricity everyday!

CSPL Tournament -2011 Season-II

This year CSPL tournament involved 8 teams, they were divided into two groups. CSPL tournament began on 9th October 2011 and ended with championship game on 8th January 2012. A total of 15 games including semi final and final matches were played. The matches were played at YMCA, Greater Noida & Noida stadium. All the matches were played in great spirit.

Win Tigers defeated BB Leopards by 67 runs & won the CSPL tournament.



Champions

League of CSPL Matches				
Group - A	Teams	Date & Time	Venue	Winners
 	Protection Pumas	9th Oct.'11 (2.00 p.m. to 5.00 p.m.)	YMCA Greater Noida	Protection Pumas
	Marketing Cheetahs			
	JV Jaguars	16th Oct.'11 (2.00 p.m. to 5.00 p.m.)	YMCA Greater Noida	Panel Panthers
	Panel Panthers			
	Protection Pumas	6th Nov.'11 (10.00 a.m. to 1.00 p.m.)	YMCA Greater Noida	Panel Panthers
	Panel Panthers			
 	BB Leopards	9th Oct.'11 (10.00 a.m. to 1.00 p.m.)	YMCA Greater Noida	BB Leopards
	Corporate Cougars			
	TC Lions	16th Oct.'11 (10.00 a.m. to 1.00 p.m.)	YMCA Greater Noida	Win Tigers
	Win Tigers			
	BB Leopards	6th Nov.'11 (2.00 p.m. to 5.00 p.m.)	YMCA Greater Noida	BB Leopards
	Win Tigers			
Semi-Final Matches				
	Panel Panthers	11th Dec.'11 (10.00 a.m. to 1.00 p.m.)	Noida Stadium	Win Tigers
	Win Tigers			
	BB Leopards	11th Dec.'11 (2.00 p.m. to 5.00 p.m.)	Noida Stadium	BB Leopards
	Protection Puma			
Final Match				
	Win Tigers	8th Jan.'12 (10.00 a.m. to 1.00 p.m.)	Noida Stadium	Win Tigers Winner
	BB Leopards			

Corporate Social Responsibility (CSR)

HR Green Initiatives

C&S Electric celebrated Earth Day at NGO "Family Services" on 21st April, 2012



Celebrating Earth Day

20th to 23rd April 2012

Green Initiative

Our Company pledged to observe the Earth Day – 22nd April 2012 to do our bit to contribute towards Planet Earth. On this occasion C&S decided to celebrate the Earth Day from 20th April to 23rd April 2012 with various eco-friendly and CSR activities all across their business units.

'Earth Day' celebration With Disadvantaged Children

Earth Day is the largest, most widely celebrated international environmental event. C&S Electric Corporate HR team celebrated the occasion among 70 disadvantaged children at "Family Services", an NGO's Learning Center, Sarita Vihar, Children were informed of the various ways to keep the Mother Earth clean, not to pollute by throwing garbage or plastic bags, plant trees for fresh air, etc. Children welcomed the team from Corporate HR and showcased their finesse in Dance and Song. They indulged into imagining the benefits of green earth and were encouraged to draw what they thought was good for the mother earth. Children in return were given gift pack containing Note Books, Crayon Box, Fruit drinks, Chocolates and Fruits. We also handed over to them four potted plants in order to create awareness towards conservation of environment. All children excitedly promised to take care of the plants - "Catch them Young".

Paper Recycling

Paper recycling initiative has yielded an excellent result, 100% recycled writing pads were produced from waste paper, old magazines and newspaper, etc with the help of an NGO "Jaagruti". First lot of 1000 writing pads has already been received and distributed to all business units in Delhi/NCR.

No Printing and No Copying

To add to the efforts of improving the environmental conditions, **No Printing and No Copying** (unless unavoidable) was pledged all across C&S Group between 20th April 2012 to 23rd April 2012. The program was widely circulated for participation of all and sundry.

SEAT
(Save Environment Action Team)
HR INITIATIVE

We touch your electricity everyday!

Tree Plantation

Tree Plantation done on the occasion of Earth Day - 22nd April, 2012 at Busduct, Haridwar

Tree Plantation done on the occasion of Earth Day - 22nd April, 2012 at Busduct, Kasna

Tree Plantation done on the occasion of Earth Day - 22nd April, 2012 at Bustrunking, Haridwar

Tree Plantation done on the occasion of Earth Day - 22nd April, 2012 at CSPL, New Delhi

facility update

Low Voltage Switchboard Plant at Haridwar



To meet growing demand of switchboard business in India, C&S inaugurated its 2nd switchboard manufacturing plant at Haridwar. This new state of the art manufacturing facility at Haridwar is equipped with latest technology, machinery & paint shop facility. The new switchboard manufacturing plant spread in 19200 sqm. & having production capacity of 1000 nos. vertical panels per month.

C&S electric is market leader in switchboard business & this green plant along with existing Noida plant shall help in improving supplies for switchboard panels.

C&S Low Voltage Switchgear Plant at Nantong, China



C&S has enhanced its manufacturing facilities for switchgear product by adding state of the art manufacturing facility at Nantong, China. Chinese market for switchgear product is nearly seven times of the Indian market and offers a great business potential. This new green field plant having 4,474 sqm. area will help in exploring Chinese local market & feeding Indian operations. This manufacturing plant is equipped with latest machinery & operation systems. C&S has great reputation in Chinese market for superior quality products compared to Chinese companies. This new manufacturing plant will help us in tapping vast Chinese market.

C&S Efacec Plant at Noida



C&S Efacec, The medium voltage switchgear joint venture has moved its operations to a new state of the art manufacturing facility at Greater Noida. This new plant is having an area of around 9,600 sqm. and equipped with South Asia's best and latest machinery, technology, testing facilities & control systems.

Etacom Plant at Boom Belgium



In our existing range of manufacturing facilities, Etacom Belgium (through 100% acquisition) plant is new addition. This is our second overseas venture, first being the green field manufacturing unit in China. The plant is having an area of around 17,840 sqm. & engaged in manufacturing of cast resin insulated busbar products. The Etacom group was founded in 1979 and has subsequently marketed a full range of Betobar, cast resin Insulated busway system. The unique concept of the system is designed in Belgium and is registered in most industrial countries. The Betobar busway system is resistant to water & both highly flame retardant & self-extinguishing. The cast insulated busway system. Betobar, is a rock solid solution for outdoor, humid and corrosive applications.

India's largest Busduct plant at Haridwar



C&S has inaugurated its 2nd Busduct manufacturing plant. The plant is having an area of around 10,000 sqm. and it is India's largest Busduct manufacturing plant. This plant is equipped with latest manufacturing machines, technology & world class testing facilities. We envisage that the turnover of this plant shall multiply in the years to come, which shall help us in retaining our No. 1 position as supplier of Busduct products.

46th founders day

46th Founders day was celebrated in great style and gaiety on 4th February 2012 at the Tranquility at Vatika City, Sohna, Gurgaon. C&S has been celebrating its origin traditionally with great joy. Management thanked all its employees for their hard work and dedication for bringing their company to this level. Employees on this day rededicate themselves to take their company to new height.

CMD, MD & Directors along with their families graced the occasion. Besides, all the top and senior management, employees of the C&S family were invited from pan India with their family members. A number of sports and entertainment activities were organized. Employees along with their family members participated in recreational activities and enjoyed the founders day.

People were awarded for their contribution to C&S Electric growth.





Awards Distribution

HR Awards

This was 2nd year of C&S HR awards. These awards aim to recognizing the contribution of divisions & unit in different categories. HR award helps the department to receive the recognition for success they bring to C&S. This year Low Voltage Component Division received maximum number of awards.

These awards have been divided into the following categories.

- The "Housekeeping" Award
- The "Green Plant" Award
- The "On Time" Award
- The "Spirit of C&S" Award
- The "Productivity" Award
- The "Cost Management" Award
- The "Growth Driver" Award

The "Housekeeping" Award



Housekeeping award is most prestigious award as it is directly chosen by CMD & MD. The image & efficiency of any office depends on how well it is being maintained & kept cleaned. This year award was won by MCB plant. Because of its clear layout, highest standards of maintenance & cleanliness MCB plant outperformed everyone.

The "Green Plant" Award



The Green Plant award recognizes the environmental contribution of plants. This year the Green Plant award was won by Busduct division team. Busduct division team made consistent efforts for reducing the paper consumption, reducing energy usage, planting of trees and shrubs, rain water harvesting, safe and environment friendly disposal of hazardous materials.

The "On Time" Award



The On-Time award seeks to recognize the division that ensures a disciplined and timely approach towards meeting its obligations to the company. Low Voltage Component division team won this year On - Time award. The criterion for the said award was submission of financial & HR MIS along with environment, health & safety compliances report as per target timelines.

The "Spirit of C&S" Award



This award aims to recognize the division that goes out of its way to imbibe this spirit of C&S in its own working culture. This year Low Voltage Component Export team won this award for their selfless support to all divisions and holding up the C&S flag high across continents and across products.

The "Productivity" Award



The purpose of this award is to recognize the increase in productivity in a business division during the period under review. This year Busduct division won the award with sales growth in excess of 25% & a productivity improvement of over 40%.

The "Cost Management" Award



The Cost Management Award is a new award introduced this year. This award seeks to recognize the efforts of a division on cost reduction. This year the cost management award was won by Busbar Trunking division. Busbar Trunking team not only improved on material cost, but also improved on other overheads.

The "Growth Driver" Award



This award seeks to measure the performance of a division based on year-on-year revenue growth and also variation against its budgeted targets. This year Panel Division riding on 30% year on year growth won this award.

Cast-Resin Insulated Busway System

The cast resin solution essentially provides a weatherproof and anti-corrosive solution, which is suitable for outdoor, humid and corrosive applications, thus enhancing the safety and reliability of the electrical installation.

We have already executed three Installations in India using Betobar including the distribution of electricity at the recently inaugurated formula 1 track in Noida.

Low Voltage

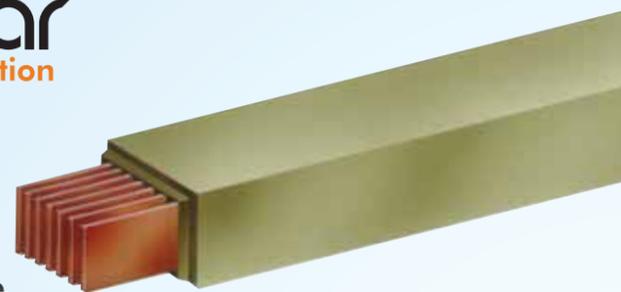
- Low power loss
- High short-circuit rating
- Overload capacity 20% /2 hours
- Protection class IP67
- Fire resistant to IEC 331
- ATEX certificate available up to 10kV
- Tailor - made terminal elements
- Maintenance free
- Long life safety guarantee

Medium Voltage

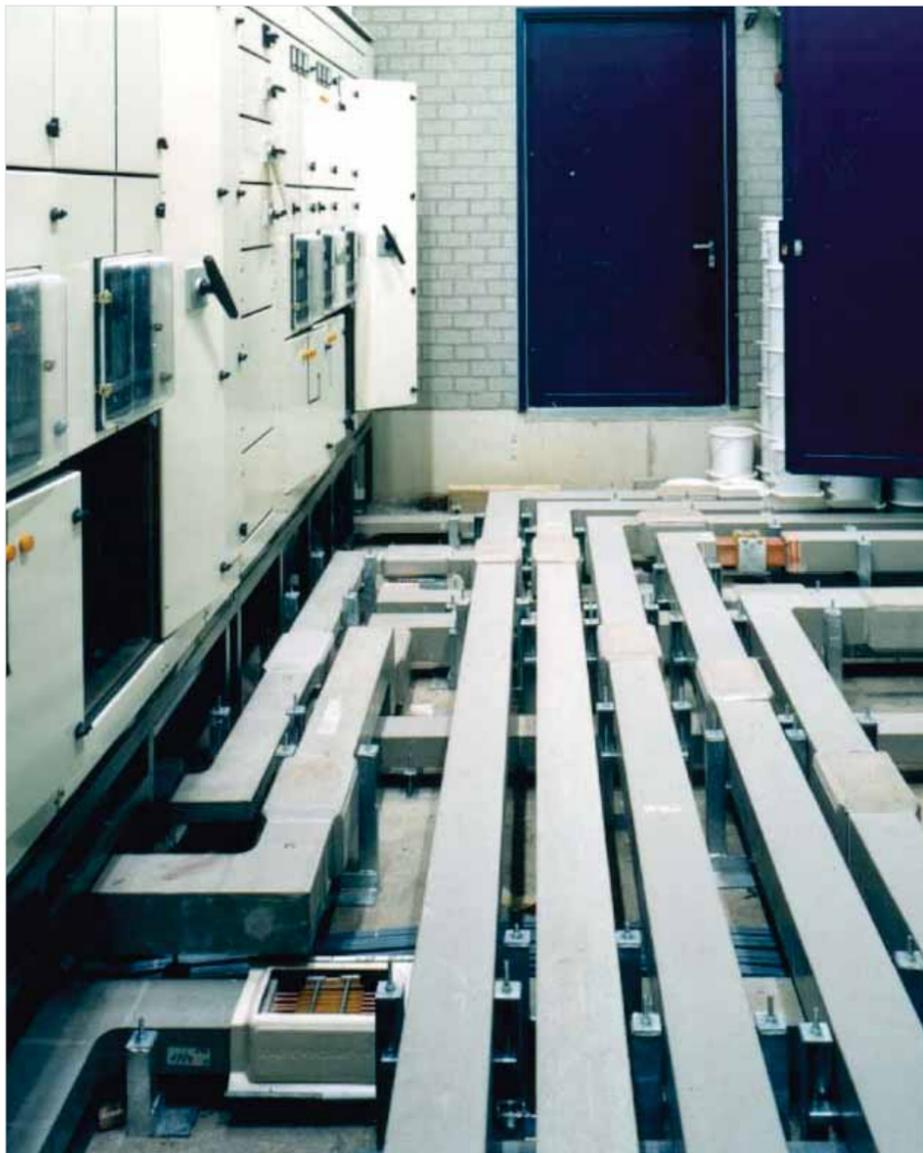
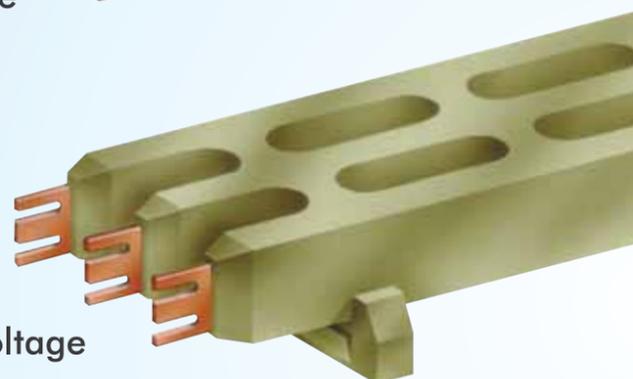
- Low power loss
- High short-circuit rating
- Overload capacity 20% /2 hours
- Protection class IP68
- Fire resistant to IEC 331
- ATEX certificate available
- Tailor - made terminal elements
- Pluggable tap-off available up to 630A
- Maintenance free
- Long life safety guarantee

betobar
A Rock Solid Solution

Low Voltage



Medium Voltage



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We touch your electricity everyday!