

News



e=CS²
Quarterly
Newsletter
3RD QUARTER '08

project associated with the prestige of India in addition to the capability of the BHEL itself. C&S is their chosen partner. C&S has secured this order against stiff competition from some of the largest transnational electrical engineering and construction organizations.

Unit-1 for Mejia is planned for commissioning during June 2009 as the power for commonwealth games planned for 2010 in Delhi will be fed from this power station.

Similarly Koderma as well Durgapur projects are planned for commissioning during December 2010.

The importance of these projects is self evident and these projects including Generation, associated power transmission and distribution systems are being monitored regularly in the ministry of power by a High Level Inter-ministerial Monitoring Committee constituted under Chairmanship of Power Secretary.

C&S sets its foot in Indo-China region

Laos

C&S, transgressing the borders of excellence has set its foot in the IndoChina too. With excellent quality, timely deliveries and consistent performance, C&S has become one of the

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POWERING THE COMMON WEALTH GAME

C&S once again got a mission critical, single largest; showcase order of Rs.45 Crores from BHEL. BHEL has got contracts for installation & commissioning of various electrical infrastructure projects to supply power to national grid. In view of the Delhi



Commonwealth Games 2010, completion of some of these projects before the proposed games has become very important.

During the Commonwealth Games in 2010, consumption of Power in Delhi is estimated to be over 7000 MW which will be supplied by new Power Plants for which BHEL has been awarded contracts by DVC (Damodar Valley Corporation) for erection and commissioning in a short time. When pressed for a dead line in a mission critical

news about new

High-Tech Range of

IRD1-T2 -Transformer Differential Protection Relay Launched

The Transformer Differential Numeric Relay type IRD1-T2 is built around a powerful 32-bit Digital Signal Processor. It provides fast and



selective tripping for two winding transformer. It quickly discriminates between faults that occur in the protected zone and those occurring outside this zone and thus provides selective and fast tripping. The faults within protected zone are short circuit between turns, windings and cables and earth faults inside transformer housing and protected zone. IRD1-T2 discriminates between above internal faults and the operational conditions like inrush, over-fluxing and faults external to protected zone using numerical algorithms.

Towards better Protection, better Control

Now efficient, Over-current, Short-Circuit and Earth Fault Relay

This new range features

- Micro controller based Numeric Relay
- Digital filtering of the measured values to suppress the high frequency harmonics and transient dc components during short circuit.
- Selectable protective functions between: definite time over-current relay and inverse time over-current relay selectable inverse time characteristics according to BS142 and IEC 255-4:

Normal inverse 3.0

Normal inverse 1.3



Normal inverse 0.6

very inverse

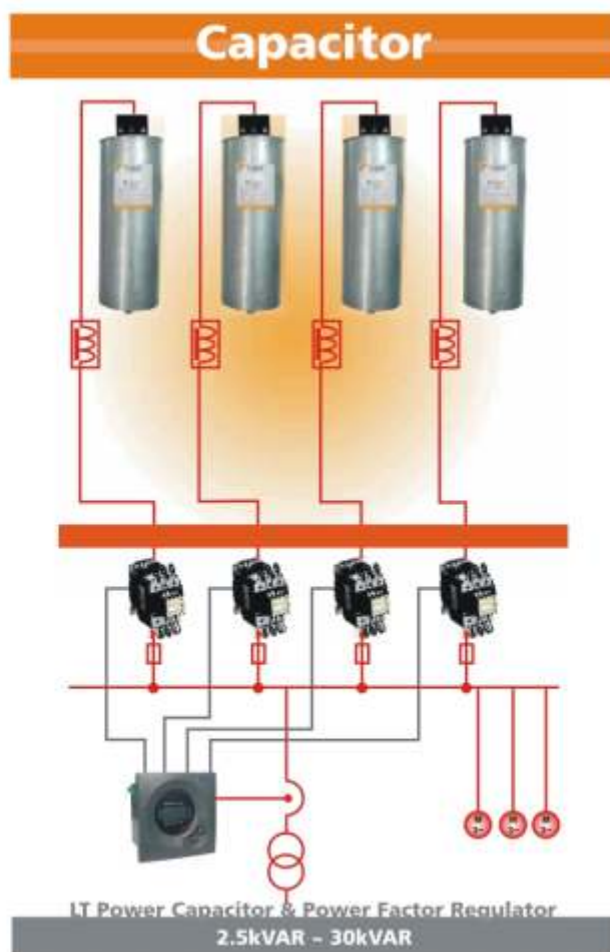
extremely inverse

- Two stage over-current time protection for phase current / earth fault current

- Separately selectable characteristic for Earth fault
- Continuous self-supervision of software and hardware
- Wide operating ranges of the supply voltage [AC/DC] 24V-270V AC/DC Last three faults recording
- Relay assignment configurable from HMI
- Relay reset configurable from HMI
- Self supervision output contact
- In standard 96 x 96 DIN standard enclosure

Powering ahead with new Power Capacitor:

To fulfill our vision of "to be the most trusted, respected and preferred supplier of power distribution and control equipment, with a dominant share of the domestic market and a substantial presence in the international market". C&S group is introducing another world class product in the Indian market. Automatic Power Factor Correction products



family is our new offering to those Indian Customers who are looking for an international quality at Indian price.

C&S has tied up with Samwha Capacitor Company of Korea for supply of Power capacitor to C&S, designed and manufactured, to suit highly demanding Indian power industry. Samwha product quality is trusted by prestigious customers around the globe.

CiScap meets the stringent requirement of IEC 60831-1, IEC 60831-2 and IS 13340, IS 13341. With only dielectric loss < 0.2 W/kvar, CiScap can save not only on conductor cost and Penalty but you save on power loss too. High efficiency and temperature stability of CiScap, capacitor bank, help you to save on expenses by

CiScap 2012

preventing repeated breakdowns of Power Factor Correction Systems and increase the productivity of your process. CiScap offers very good value for money. It is an absolute peace of mind for power users and it has a small pay back period.

An all new range of Mirror optics

To take our product category to next level, a new Mirror optics of 2X36W is been developed, which is best in its category vis-à-vis competition. The widespread mirror optic luminaries are specifically designed for surface mounting installation with provision for pendant mounting installation. The housing is made-up of white powder coated CRCA sheet steel accommodating all electrical accessories pre-wired up to a terminal block. The moulded Black colour end plates in fixtures are covered with white colour cladding. The fixture is designed with high efficiency mirror optics of high quality aluminium with faceted side reflectors &



diffusing white lamellae.

Feature

- Designed for Surface Mounting
- High-efficiency mirror optics of high quality aluminium with faceted side reflectors & diffusing white lamellae
- Moulded black colour end plates with white colour cladding
- CRCA sheet steel housing, accommodating all electrical accessories pre-wired up to a terminal block.

Application:

- Vertical Display
- Conference Rooms
- Small Offices
- Shops & Boutiques
- Reception & Public Service area

power march

harvesting orders over Rs 50 crore in April-June'08



Partial List of Major Orders (April-June 2008)

Orders from Power Sectors

| S.No. | Client | Equipment | Project | Order value (Rs.lakh) NRV |
|-------|-------------------------------------|---|---|---------------------------|
| 1 | BHEL-PEM, Noida | LV Switchgear, Busduct & Neutral Grounding Resistor | 2 X 250M W Koderma TPS Stage-1, Jharkhand | 1,351.50 |
| 2 | BHEL-PEM, Noida | LV Switchgear, Busduct & Neutral Grounding Resistor | 2 X 250MW Durgapur Steel TPS, West Bengal | 1,350.56 |
| 3 | BHEL-PEM, Noida | LV Switchgear, Busduct & Neutral Grounding Resistor | 2 X 250MW Mejia TPS, Bankura West Bengal | 1,349.85 |
| 4 | BSES Yamuna Power Ltd. | 350 Nos. ACBs in Enclosure | BSES Rajdhani Discom | 99.80 |
| 5 | BSES Yamuna Power Ltd. | 325 Nos. ACBs in Enclosure | BSES Rajdhani Discom | 92.67 |
| 6 | BHEL, New Delhi | LT Switchboards | Various Projects | 75.86 |
| 7 | BHEL, Ranipet | LT Switchboards | GIPCL-SLPP | 48.78 |
| 8 | BHEL, Ranipet | AC Panels & Spares | GIPCL-SLPP | 31.64 |
| 9 | BGR, Chennai | LT Switchboard | Vijayawada Thermal Power Station | 29.00 |
| 10 | Tecpro Systems Ltd, Chennai | Motor Control Centres | Bokaro Steel Plant | 28.00 |
| 11 | BHEL, Ranipet | LT Switchboards | Suratgarh | 26.77 |
| 12 | BHEL, Ranipet | AC Panels & Spares | Suratgarh | 20.46 |
| 13 | Siemens Limited, Kolkata | LT Switchboards | IOCL, Panipat | 17.60 |
| 14 | NICCO Ltd, Kolkata | LT Switchboards | IOCL, Panipat | 16.52 |
| 15 | System Electricals, Kota | LT Switchboards | Dholpur CCPP | 16.26 |
| 16 | Duplex Wate Engg. Ltd. | LT Switchboards | Utkal Alumina Project, Orissa | 16.00 |
| 17 | Kirroskar Brothers Ltd, Pune | LT Switchboards | Kakatiya Power Project | 13.20 |
| 18 | Lanco Infrastructure Ltd, Hyderabad | LT Switchgear Package | Amrkanatak Project | 11.74 |

Orders from Other Sectors

| | | | | |
|----|---|---|--------------------------------------|--------|
| 19 | ETA Engineering Pvt Ltd, Noida | Sandwich Busbar Trunkings (CU) | Nokia Phase III, Chennai | 273.47 |
| 20 | Blue Star Limited, Gurgaon | Air Insulated & Sandwich Busbar Trunkings (CU & AL) | HCL Technologies Ltd, Bangalore | 255.37 |
| 21 | Reliance Electric Works, Ghaziabad | 400A & 250A Sandwich & Air Insulated BBT (AL) | Cabinet Secretariat, CPWD, New Delhi | 138.28 |
| 22 | Ford India Pvt Ltd, Chennai | 2000A Sandwich Busbar Trunking (CU) | Ford | 134.89 |
| 23 | Muh Hean, Singapore | 2500A & 2000A Sandwich BBT (CU) | Dansalan Tower-3 (Export Order) | 122.60 |
| 24 | Sterling & Wilson Elect. (P) Ltd, Noida | Air Insulated & Sandwich Busbar Trunkings (CU) | Nokia Siemens Networks | 111.00 |

Major Orders Recd. By C & S Gewiss

C & S Gewiss supplied Rs 30L worth of street lights to Ansal Group securing the order in stiff competition from Philips, Bajaj, Crompton and Surya. These luminaries will be installing in Sushant Golf city project of Ansal.

C & S Gewiss secured order worth Rs 31 Lakh of Boxes from an OEM dealing in automation & control in a very strong competition from Hensel & Clipsal. This is an international order & will be supplied to various international parties.

C&S 2008

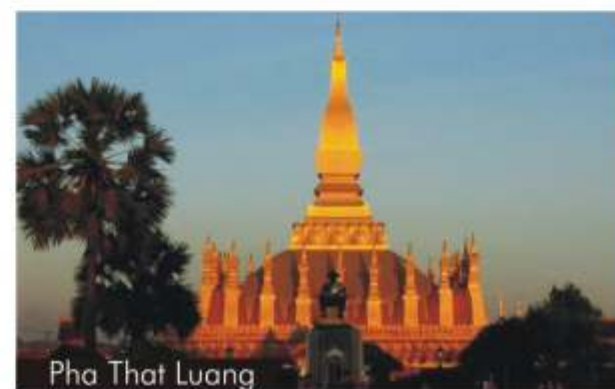
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Laos

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choicest suppliers to various global EPC companies. The orders C&S was able to bag are from **M/s Toshiba Plant Systems & Services Corporation, Japan**, for supply of 15KV, 10KA Isolated Phase Busduct for their prestigious project in Indo-China region at Laos. This project is called Nam Ngum 2 Hydropower Project with power generation capacity of (3x205MW). This order has been won outdoing the stiff competition from large European, American and Korean, Chinese and Japanese manufacturers. Mitsui & Co., Ltd. ("Mitsui") and Toshiba Corporation ("Toshiba") have been awarded this contract to supply the main equipment for the Nam Ngum 2 Hydroelectric Power Project in Lao PDR. Ch. Karnchang Public Company Limited ("CHK"), one of the largest general construction companies in Thailand, is the principal promoter of this project. Mitsui considers this project significant in that it indicates that Japanese companies' high and competitive technology in



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the field of hydroelectric projects can contribute to both Thailand and Lao PDR. There are a number of similar types of project, and Mitsui anticipate future business opportunities in this field. Toshiba Plant Systems & Services Corporation too is a leading global organization well known since its inception in 1923. It has maintained steady growth in construction operations for Toshiba's heavy machinery and infrastructure segments. Today, Toshiba Plant Systems & Services carry out turnkey projects ranging from planning and engineering to procurement, construction and field services for thermal, hydroelectric and nuclear power generation and is known for its quick and competitive business practices.



and C&S Lighting

new heights

It is with a great sense of pride and accomplishment that we announce the acquisition of the 50% equity of our company C&S Gewiss India (P) Ltd. from Gewiss SPA. The new company will now be 100% owned subsidiary of C&S and will be called C&S lighting & wiring accessories (P) Ltd.

For the last 4 years, the company has been managed by highly competent Indian technocrats and engineers, and this management will remain unchanged. The company will continue to supply luminaries, modular wiring devices and industrial products which are manufactured in its facilities in Haridwar under the brand name C&S. In addition certain niche products will be continued to be sourced from Gewiss to ensure continuity of supplies.

C&S today is amongst the highest investors in R&D in the industry, investing approx. 4% of its turnover in R&D, value engineering, and new product initiatives. Accordingly, C&S lighting & wiring accessories (P) Ltd. will continue to meet and exceed your requirements.



Controls & Switchgear - GEWISS India Private Limited

July 01, 2008

Dear Customers and Patrons,

Controls & Switchgear GEWISS India Pvt. Ltd. ("the Company") was incorporated in 2003 as Indo-Italian joint venture and collaboration between Controls & Switchgear Co. Ltd. of India ("C&S") and GEWISS SPA of Italy ("GEWISS") with the aim to supply state of the art modular wiring devices, lighting solutions and industrial products to the Indian market.

This letter is to inform you that as of 31st May 2008, C&S has acquired the 50% shareholding of GEWISS in the Company and hence the Company has become a 100% owned subsidiary of C&S. This decision to follow separate routes was made in the mutual strategic interests of both the joint venture partners, but without compromising the continuity of supplies and services to the end customers.

Accordingly, as before, the Company will continue to supply lighting products, modular wiring devices and industrial plugs/sockets which are manufactured in its facilities in Haridwar, as well as products sourced from GEWISS under a non-exclusive Supply Agreement between GEWISS and the Company.

The name of the Company will be changed to C&S Lighting & Wiring Accessories Pvt. Ltd.

We wish you Good Luck and thank you for your continued support.

(R N Khanna)
Chairman & Managing Director
Controls & Switchgear Co. Ltd.

(Domenico Bosatelli)
President
GEWISS SPA, Italy



Corporate Office: 222, Okhla Industrial Estate, Phase II, New Delhi 110 020 India Tel: (+91 11) 26836171, 26848242-45 Fax: (+91 11) 26847154, 26829063 email: gewiss@controlindia.com Visit our website at www.controlgroup.org

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Our Esteemed Clientele

Partial List



Akshardham Temple, Delhi

OIL & NATURAL GAS CORPORATION
GAUTAM SINGHANIA'S RESIDENCE
SHAHRUKH KHAN'S RESIDENCE
AIRPORT AUTHORITY OF INDIA
MUKESH AMBANI'S RESIDENCE
AJAY DEVGAN'S RESIDENCE
PRIME MINISTER'S OFFICE
HOTEL TAJ WESTEND
RADISSON HOTEL

HOTELS TAJ UMAID PALACE
AKSHAR DHAM TEMPLE
TANEJA DEVELOPERS
MID DAY MULTIMEDIA
GRAPHITE INDIA LTD.
RELIANCE REFINERY
CANADIAN EMBASSY
RPG ENTERPRISES
CORE GROUP



Egmore Railway Station, Chennai (External View)



Delhi Metro Rail Corporation Barakhamba Road, Delhi

HOTEL NILA VALLEY BEACH
RELIANCE INDUSTRIES LTD
HOTEL ROYAL PALM BEACH
I.D. HOSPITAL, BELEGHATA
HOTEL TAJ RESIDENCY
CANADIAN EMBASSY
MAITHAN ISPAT LTD.
HOTEL TAJ PALACE
HOTEL LEELA

OFFICE OF INTERIOR DESIGNER
BASOVI BOSE
ABALIZER TECHNOLOGIES
SECURITIES & EXCHANGE BOARD OF INDIA
CHHATRAPATI SHIVAJI INTERNATIONAL AIRPORT
MUMBAI AIRPORT
ISKON TEMPLE



Egmore Railway Station Chennai (Internal View)



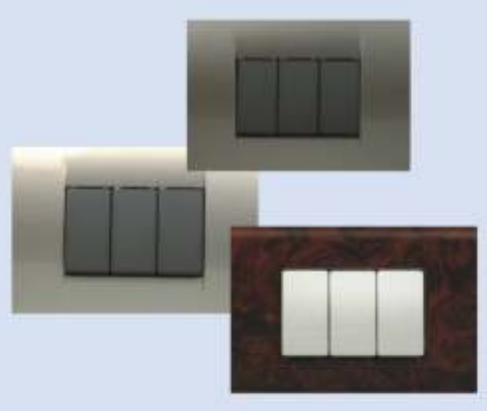
Chhatrapati Shivaji Terminal, Mumbai

ICICI BANK
KENWOOD
ROLTANET
CPWD
TISCO
ONGC
ISRO
IBM
ITC

showc@se

Redefining the art of electrical installations

DOMO SYSTEM BLACK & WHITE



BLOC IP 67/66 INTERLOCK SOCKETS



BOX DISTRIBUTION BOARDS



BOX EMERGENCY ENCLOSURES



BLOC INDUSTRIAL PLUGS & SOCKETS



LITE COMMERCIAL LUMINAIRES



LITE INDUSTRIAL LUMINAIRE



LITE FLOODLIGHTS



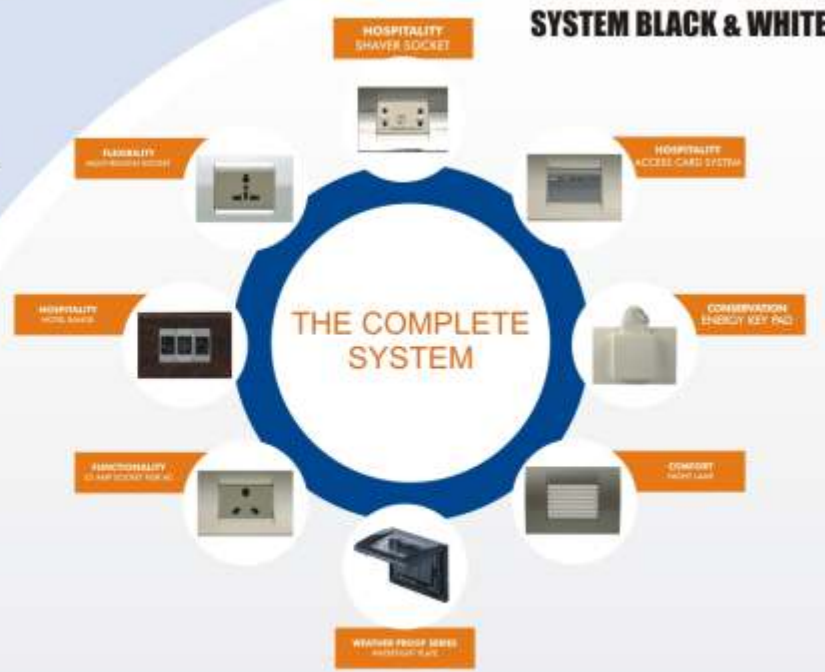
DOMO COMBI IP 40 & IP 55 ENCLOSURES



LITE DECORATIVE LUMINAIRE



DOMO SYSTEM BLACK & WHITE



Ergonomics
IP 55 protection rating
Practical front cover fastening
Wide usable internal space
Knockout holes 23 mm on all sides and on the bottom.

expanding frontiers

Infrastructure

MCB manufacturing facility

C&S WiNtrip Miniature Circuit Breakers plant is our state of the art, newly laid fully automated manufacturing facility at Haridwar. It was started with a manufacturing capacity of 4,000 Poles per day in April 2008 but due to excellent response from the market we had to upgrade it to 10,000 Poles per day with in a span of 3 months only. Our MCB infrastructure has facilities for thermal & magnetic tripping test, mechanical shock and impact test, glow wire test, temperature rise and power loss test, adverse weather condition test etc. The C&S WiNtrip MCB's are indigenously designed state of the art high performing Thermal Magnetic current limiting device with the ability to disconnect short circuits up to 10KA. The range is available in trip types B,C and D, for 1P, 1P+N, 2P, 3P & 4P configurations.



RUSSIA EXHIBITION

Glimpses of ELEKTRO-08

C&S Gewiss in ELEKTRO-08

C&S Gewiss for the first time participated in any exhibition outside India. The company won accolades in Elektro 2008 held in Moscow (Russia) from 9th June to 13th June 2008. C&S Gewiss displayed its selective range of products in the exhibition & attracted a lot of overseas customers. The products displayed were Modular Switches, Sockets, Hospitality Range of Products, Metal Boxes and Luminaries & IP44 & IP55 Enclosures etc.



HANNOVER MESSE 2008



The team C&S brushed its shoulders with power technology stalwarts from across the world at Hannover Messe 2008.

This year Hannover Messe at a quick glance did boast of 2,00,000 visitors- a significant increase of around 30 percent with core themes of energy, industrial automation, robotics, R&D and successful launch of new flagship fair: "Power Plant Technology."

C&S is one of the few Indian companies which participates in Hannover Messe regularly and has championed the cause of made in India product in the world against stiff competition from multinational organizations of developed countries. Aligning Indian

products' standards to international standards! Most of our products are certified from UL-USA, CSA-CANADA, ASTA UK. It's a matter of pride for C&S for being first Indian company which invested and succeeded in obtaining international certifications and lead Indian LV switchgear & control gear Industry in all corners of world.



We proved our strengths once again and captivated numerous visitors from all over the world especially from east Europe, west Europe & Americas. We are delighted to see this transformati

on in electrical engineering industry's trend and it's attraction towards reasonably priced quality and reliable products is vindicating the

business practices adopted by C&S. Since C&S is present in more than 73 countries. Integration of global markets and growing price pressure has increased the potential for C&S as global supplier for quality power management products. C&S has capitalized on various opportunities arising out of the shrinking international trade barriers and in-house innovation by extensive R&D. It is now being recognized as one of the Best Indian control gear and switchgear companies.



CS2

C&S
Controls & Switchgear
India
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Product
in Focus

Performance that's way ahead.
Each time.



WiNbreak2 MCCB

Ics = 100% Icu : 50, 65, 100, 150kA at 415VAC
Simplified Product Range: 16A-800A; 3&4 Pole
24 models in 4 frames

Features that are second to none

- Wide Range: 160 AF, 250AF, 630AF, 800AF
- Common Electrical Auxiliaries for entire range
- Interchangeable trip units: Thermal Magnetic Trip Unit;
- Microprocessor based Electronic Trip Unit with Communication, LCD Display & Zone Selectivity
- Various external accessories including Plug-in & Motor drive
- No derating at high ambient of 55° C