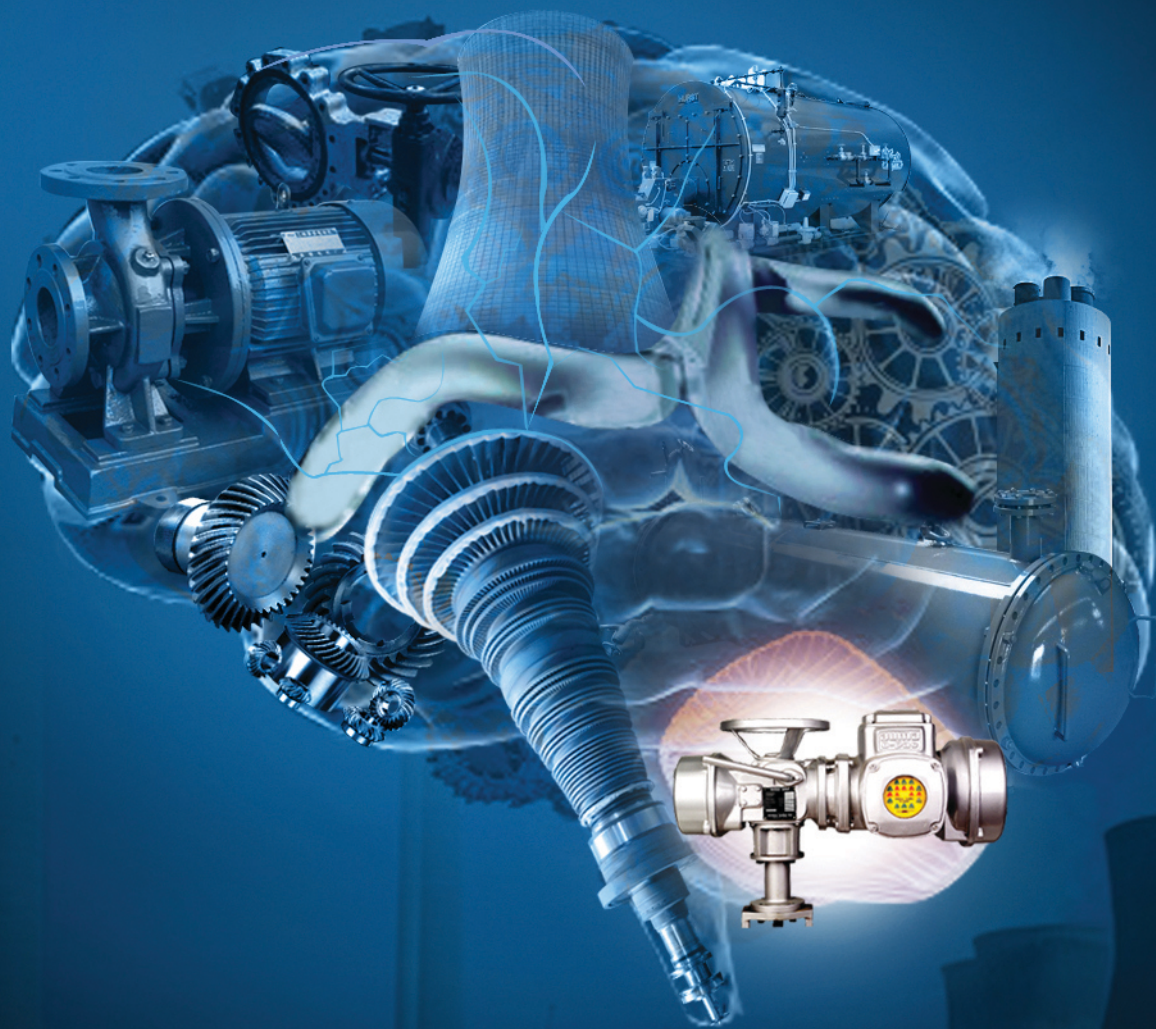
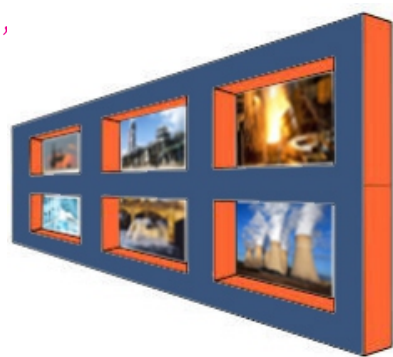


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AUMA India Quarterly Newsletter



THINK AUTOMATION. THINK AUMA

The controlling centre behind all Industrial Valves

AUMA India is the Leader in the field of Electric Actuators and Valve Gearboxes for the automation of Industrial valves and dampers in the country. Be it power, nuclear, water, petroleum, cement or steel, AUMA India actuators are at work behind the scenes, controlling some of the most critical processes in industry.

AUMA India Pvt. Ltd.

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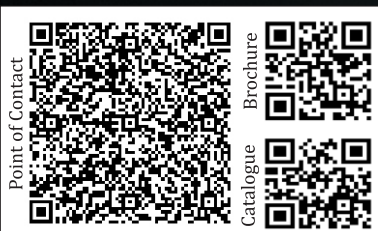
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“Diwali Greetings from AUMA India to INFAUMATION readers”

On this auspicious occasion of Diwali, AUMA India wishes all its stakeholders a delightful and a dazzling Diwali, the Festival of Lights that may bring good fortune and prosperity.



MARKETING ORDERS BAGGED

AUMA India receives orders for North Karanpura 3 x 660 MW (NKSTPP) Super Thermal Power Station project of NTPC Karanpura

AUMA India has been chosen to supply actuators with high capacity gearboxes at NTPC – Karanpura super thermal power plant, located in Tandwa town in Chatra district, Jharkhand.



Courtesy: NTPC, North Karanpura



Courtesy: TSGENCO, Khammam

AUMA India bagged the order of NSPCL - Rourkela 2 X 60 MW Captive Power Plant through BHEL - EDN for supplying regulating duty actuators for secondary air damper application

AUMA India bagged the order of NSPCL's 2 x 60 MW Captive Power Plant order through BHEL - EDN for supplying regulating duty actuators for secondary air damper application.

AUMA India actuators to be a part of BHEL Bhadradi 4 x 270 MW Thermal Power Project for TSGENCO, Telangana

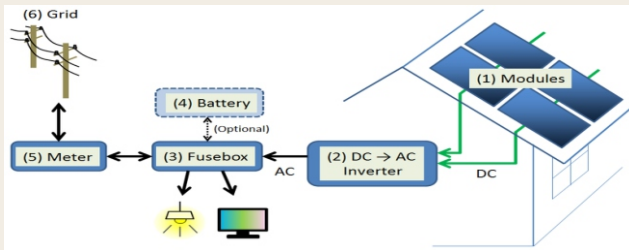
AUMA India has bagged orders for supplying weather-proof electric actuators & gearboxes for damper and gate applications for Telangana State Power Generation Corporation (TSGENCO) at Manuguru, Khammam district.



Courtesy: NSPCL Rourkela Captive Power Plant

A new paradigm: AUMA India's self generation for captive consumption

With the expansion of solar power plant by another 224 kWp further to the initial installation of 151 kWp during the first phase of Solar roof top project, AUMA India is now equipped with a total commissioned capacity of 375 kWp of solar power. This has resulted in the overall reduction of 442 tonnes of carbon emissions per year making AUMA India as an Energy Efficient Leader in achieving the goal of reducing dependency on fossil fuel based energy sources. Now, AUMA India is self-sufficient to meet up the company's overall power requirement during the day and plans to supply excess power to BESCOM.



Kaizen Award - Rewards & Recognition Programme @ AUMA India

AUMA India periodically organizes Rewards & Recognition programme for motivating employees to actively participate in the continual improvement programmes. This increases the awareness among the employees for instilling critical TQM values, such as Quality, customer satisfaction and continuous improvement. In the journey of TQM, AUMA India fosters greater participation & involvement from the employees thereby driving a process-oriented approach. This creates a positive work atmosphere in extending the feeling of trust, and creating a sense of belonging in the organization that helps transform AUMA India towards a philosophy of Quality.

Zero Point Clamping System

AUMA India has invested in the zero point clamping technology in the Horizontal Machining Centers (HMCs) to optimize the production by facilitating quicker machine set-up and by shortening the process times. Key aspects such as focusing on bottlenecks (TOC), shortening of cycle times, batch sizes and inventory reduction, to name but a few advantages, have been implemented quickly in manufacturing by using zero point clamping systems.



FAST SWITCHING DEVICE - SOLID STATE CONTROLS

AUMA India offers Solid State Controls (SSC) that is used for applications which require more accurate positioning. Solid State Controls are offered in the full range of AUMA India actuators from SA3/ SAR3 – SA100/ SAR100 up to 4 kW motor rating and can be used for both weather-proof and ex-proof actuator applications.



TECHNICAL FEATURES

- ❑ Solid State Controls (SSC) is an interface for AC as well as DC powered actuators that allows to control actuators by a control signal from a remote terminal or any low control system.
- ❑ SSC has a low-current circuit interface between the controller and the actuator motor that protects controlling devices output from destructive feedback.
- ❑ SSC device is capable of withstanding up to 10 kVA and hence any standard protection device can be used. The electrical interlock is activated in less than 5 μ s (maximum switching delay would be 10 ms).
- ❑ SSC are used for applications that require fast and precise positioning and the voltage required to trigger the control device is 9 V to 36 V with DC current requiring 10 to 11 mA.
- ❑ Since SSC offers a very fast response time, power to a load can be applied and removed very precisely which is especially important when applications involve the switching of highly capacitive loads.
- ❑ SSC offers high reliable features for AUMA India actuators such as high performance alarm strategies with valve position indication in % and has advanced diagnostic load fault detection.
- ❑ SSC offers AUMA India actuator motors a long life duration with millions of intense turn on/ off duty operating cycles. Since there is no arcing or pitting of contact surfaces; thus no wear-out mechanisms, resulting in long life for the actuator motors.

HIGHLIGHTS

FEATURES	DESCRIPTION
POWER CONSUMPTION	❑ 80 mW (less powerconsumption than contactor controls)
CONTROL INPUT VOLTAGE	❑ 9 V ~ 32 V DC (10 ~ 16 mA)
OPERATION CYCLES	❑ 100 Million operations (10 times that of Contactor Controls)
LONG LIFE DURATION	❑ No moving parts; Contactless and no risks of sparks and hence, long life duration
ZERO CROSS-OVER SWITCHING	❑ Built in Zero cross over (max delay 10 ms), thus less EMI noise generation
NVH PROOF	❑ More immune to physical shock and vibration; No electrical noise
EMI INTERFERENCE INSENSITIVITY	❑ Not sensitive to electro-magnetic interference (EMI)
EASY CALIBRATION	❑ Calibration through front panel key Switches and LCD display
STATUS & FAULT INDICATION DISPLAY	❑ Valve position indication (%) & Fault indication on Alpha-numeric LCD Display
EASY OPERATION & CONTROL	❑ Push buttons & LCD are on the same plane for easy operation & control

infamation

CUSTOMER SERVICE & SUPPORT

ONSITE - CUSTOMER TRAINING PROGRAMMES CONDUCTED BY AUMA INDIA

A number of on-site customer training programmes had been conducted by AUMA India in the last quarter that include customers viz., L & T Valves - Coimbatore and Vedanta Jharsuguda CPP. On-site training programme gave customers a complete picture of the product portfolio & in-depth understanding of the operational feature. The training programmes were aimed at imparting theoretical know-how along with the detailed demonstration of our products.



Onsite-Training Programme conducted @ L & T - Valves Division, Coimbatore



Onsite-Training Programme conducted @ Vedanta Captive Power Plant, Jharsuguda, Odisha

AUMA India In-house Customer Service Training Programme Calendar

TRAINING START DATE	TRAINING END DATE
07-01-2016	09-01-2016
21-04-2016	23-04-2016
07-07-2016	09-07-2016
27-10-2016	29-10-2016

For registration details, please contact [Service@auma.co.in/](mailto:Service@auma.co.in)
[UmeshK@auma.co.in/](mailto:UmeshK@auma.co.in) PrashanthS@auma.co.in

CUSTOMER TESTIMONIAL



BHEL - VALVES DELEGATES' VISIT TO AUMA INDIA
In the picture above, Mr. Soundararajan P. GM, BHEL-Valves, and Ms. Shyamala - DGM, BHEL-Valves, with AUMA India Employees.

BHEL - VALVES DIVISION DELEGATES' VISIT TO AUMA INDIA

The delegates from BHEL - VALVES division, Trichy visited AUMA India during the last quarter. The guests were delighted on the best practices followed in AUMA India and about its world class manufacturing facilities. BHEL Valves has been a valued customer of AUMA India for many years and indeed, AUMA India has delivered actuation solutions for many Indian power projects through BHEL - Valves division.

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