

"Infaumation" Wishes all its readers a very happy and prosperous New Year!!



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Auma India Quarterly Newsletter (Jan – Mar'12)

Message from Mr. Arvind K Goel, Managing Director - Auma India

Greetings of Auma India to the readers of Infaumation for a happy & prosperous 2012. 2011 has generally been a good year for the industry and despite high uncertainties, we expect 2012 to maintain the trend of healthy growth for Auma India. 2011 was also a year of consolidation and growth as continued investments in our facilities resulted in a capacity growth of over 50%. Now, Auma India is better positioned to meet shorter delivery requirements of its customers. At Auma India, we re-dedicate ourselves to meet increasing customer expectations.

Breaking News

Our parent company, AUMA Riester GmbH & Co. KG was awarded Ruban d'honneur - Infosys European Business of the Year award - 2011 in the category of large companies.

2 x 660 MW Jaypee Nigrie Super Thermal Power Plant

Auma India is supplying more than 400 actuators with integral starters for coal-based 2 x 660 MW Super Critical Unit of Jaypee Nigrie Super Thermal Power Plant at Nigrie, Madhya Pradesh.

These actuators would be used in the package for operating pulverized coal-fired super-critical Boilers along with Turbines and Generators. Super critical boiler technology will achieve an unprecedented net efficiency level for coal power stations. Based on the customer requirement, these actuators are supplied with thermistors in the motor windings .



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Auma India Bags Orders for Various BPCL Projects

Auma India has received orders for supplying explosion proof electric actuators with suitable push button station to meet "MB Lal Committie Report " requirements for dyke area applications for a number of BPCL installations.



Auma India Bags Orders for Babandh and Vidarbha Thermal Power Projects

Auma India has received orders for electric actuators with micro-controller based integral controls for Babandh and Vidarbha Thermal Power Plants located at Orissa and Maharashtra respectively. Both coal-fired thermal power projects consists of two super critical units of 660 MW each.

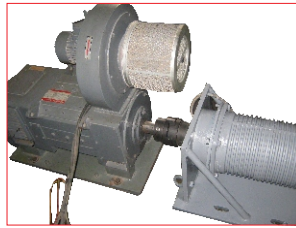
Auma India Develops Motors for High Torque Actuators Indigenously

Auma India has in-house capability to design, manufacture and test motors to meet varying customer requirements of low and high ambient temperature with various voltages, frequency and duty for explosion proof, nuclear requirements and DC motors for critical valve applications.

Actuator motors with high starting torque, low inertia with surface cooling requires careful design and selection of materials that goes inside motors. With typical outdoor application these actuators / motors are exposed to harsh environment. Auma India has been supplying motors to suit these requirements from decades.

Motors of following ratings have been developed and validated for performance at various stages for use in high torque actuators.

- 1) 7.5 kW / 4 pole in 132 frame
- 2) 15 kW / 2 pole in 132 frame
- 3) 15 kW / 4 pole in 160 frame
- 4) 30 kW / 2 pole in 160 frame



Auma India has already received approval from BHEL Ranipet to use some of these motors for their requirement and is in the process of getting the approval from NTPC and other units of BHEL. Indigenization of these motors facilitates faster delivery and flexibility in supply.

Auma India Develops Actuators to Operate at -40°C

To meet a new customer requirement, Auma India had to develop actuators to work at extreme sub zero temperature of -40 deg centigrade. This was made possible by careful re-designing and changing various materials to cope up with these extreme conditions.



Additional Machines Commissioned under Auma India's Expansion Plan

Auma India has recently commissioned a DMG make Horizontal Machining Center DMC 80H duoBLOCK® and DMG make CNC Turn Mill Center CTX 510 eco V3 under its accelerated expansion plan. These machines are equipped with special features which will help in meeting the exacting requirements of Auma India.



Quality Plans for Actuators

Any activity prior to its execution needs to be planned. An unplanned activity may result in an incomplete, inefficient or an ineffective work. An unplanned activity is doomed to fail. Hence, there is a need for planning before taking up any task. So is the case with a Quality Plan.

A Quality Plan is a set of instruction for an inspector or auditor who has been assigned with the task of carrying out an inspection or and audit of a product, a facility or service in order to give the clearance for use in the next process, user or the customer. Quality Plans are prepared for different 'stations' e.g. at incoming stage for supplier supplied items, at in process and final inspection and testing stage. Quality Plans are also requested by the customers to get an assurance for the product supplied.

At Auma India, we get the requests from our contractors, consultants or end-users, hereafter referred as customers, to submit the quality plans normally at the enquiry stage itself. We submit this in the standard format which indicates the characteristics to be checked, Quantum of check, instruments to be used, standards or drawings to be referred, acceptance norms and the records to be maintained. On submission these are reviewed by them and if there are changes required customers will ask for a change. If this is acceptable to Auma India, then the changes are made and both the parties sign the Quality Plan.

Auma India has a standard Quality Plan for actuators and gearboxes which are generic in nature. At incoming stage, the controls for the raw materials and the bought out items and the machined components. The test for raw material includes the chemical composition and the physical properties like tensile strength and the hardness. Electrical and electronic items are checked for the functional characteristics. In all cases test certificates from Auma India suppliers are insisted.

In process stage, dimensions of the machined parts, blue matching of the worm wheels, the center distance and coordinates of the bores are checked.

At the final testing of actuators all the functional characteristics like current, torque, functions of the torque and limit switches, effect of the variation in the voltage, IR, HV, manual and auto declutch function, visual checks, paint shade, paint thickness, name plate and mounting dimensions are checked and records maintained. Records of the type test like ingress protection test, endurance test are maintained and are made available to customer for verification. The inspections and tests cited above are indicative and not exhaustive.

If there are special requirements by the customer, then specific Quality Plan is prepared and given for approval.

To conclude, a quality plan plays an important role in the inspection of a product or service which gives guidelines to an inspector and an assurance about the fitness for use to the customer or the user.

Customer Training Programme

A 3-day training programme was conducted by Auma India at Bangalore on 13th to 15th October, which was attended by representatives of various customers and end-users. Training programme included both theoretical and practical training sessions and was tailored to suit the profile of the attendees.

Upcoming Customer Training Programme in 2012-13

TRAINING START DATE	TRAINING END DATE
12-04-2012	14-04-2012
12-07-2012	14-07-2012
09-10-2012	11-10-2012
08-01-2013	10-01-2013



For more details

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Visit : [www.auma.co.in/service/customer training](http://www.auma.co.in/service/customer%20training)

Download the customer training enrollment form and send it to service@uma.co.in.

Auma India at CII Valves Conference 2011

Auma India was one of the Principal sponsors for the Valves Conference cum Exhibition organised by Confederation of Indian Industry - Valves & Actuators Division on 2nd December 2011 at Ramada Hotel & Convention Center, Mumbai. Auma India exhibited its electric actuators with new features like 2 - line or 4 - line LCD display.

Mr. Balachandra MN, Vice - President - Marketing, Auma India, made a presentation on "Latest Trends in Valve Automation", highlighting various options available with Auma.



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