

**Auma India achieved a highest ever sales of 15000 valve operators in the year 2009-10 . Auma India thanks its customers for their continued patronage.**

**With the completion of its expansion project at a cost of Rs.40 crores in the current year, Auma India would have significantly higher capacities to meet increased customer demand.**

**Auma Supplies Actuators for Naphtha Cracker and Polymer Complex at Panipat (Haryana)**

Indian Oil Corporation Limited has set up a Naphtha Cracker and Polymer Complex at Panipat, Haryana, based on captive utilization of naphtha from Panipat, Mathura and Koyali refineries. With a capacity of 800,000 MT/year of ethylene production, the Cracker Complex has various associated units. Auma has commissioned 75 actuators for this EPCC8- Offsite and Storage package for Naphtha Cracker Unit. The LSTK contractor for this project was Indian Oil Tanking Limited.

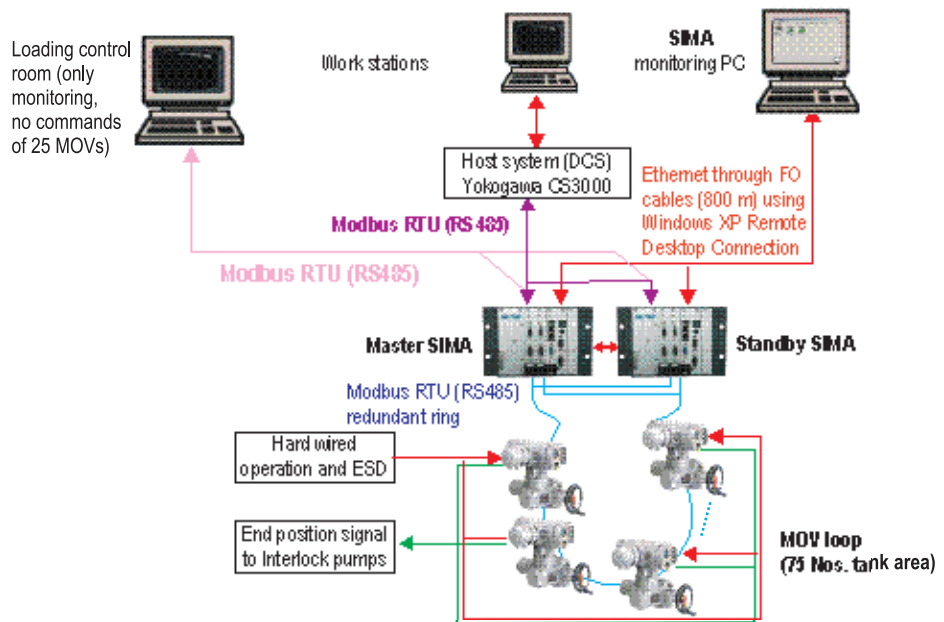
All actuators are supplied with control modules suitable for MODBUS RTU protocol along with SIMA master station and Hot standby master station with loop topology. ESD function is achieved through hardwired operation as desired by the customer. The master stations in redundant configuration communicate through MODBUS RTU protocol with Yokogawa DCS CS 3000. Other important features are two additional PCs to monitor functions of actuators through SIMA master stations. First PC can monitor MOV's in the loading control room through MODBUS RTU. The second PC placed at another level is connected to SIMA master station through fibre optics and operates on Ethernet to access MOV's.

**Message from the International Sales Manager, Auma Germany**

Over the last 45 years, Auma has gained international reputation in the industry and stands for high quality products, which are manufactured in Germany, USA and India. In a time of global competition and breakdown of trade barriers, it is the uniqueness of solutions that makes a difference. Need of the hour is the best technical expertise to gain maximum performance from the product, that is well addressed by our highly motivated team in Auma India.



Wolfgang Ranft



**Auma India Bags an Order for Gearboxes from an International Valve Manufacturer**

Auma India has entered into a rate contract with an International valve manufacturer having manufacturing facility in China for supplying its full range of gearboxes. These gearboxes would be coupled with valves and supplied globally .





### **Auma India Actuators with K-Mass Protection at Bina Refinery**

Bina refinery is 6 MMTPA grass-root refinery adopting state of the art technologies designed to process Arab mix crude (65% Arab Light and 35% Arab Heavy), but it will also have the flexibility to process other types of Middle East crude. Auma has supplied a large number of actuators to Bharat Oman Refinery Limited for this refinery located at Bina, Madhya Pradesh. These K-Mass protected actuators remain functional under extreme conditions of fire in the surrounding area (in an emergency) for up to 30 minutes, thus meeting customer requirement without interrupting the continuous process.

### **Powder Coated Parts in Auma India Actuators**

Auma India has begun using powder coating for major components of the actuators for better protection of the actuator under adverse environmental conditions. These would meet C-4 classification of the Corrosivity category as per the EN ISO 12944-2 standard. Powder coating provides higher scratch and impact resistance to withstand rough handling as well. A coat of liquid paint is being applied on top of the powder coated parts after assembly, to meet the color shade requirement of the customer . Additionally, Auma India also anodizes aluminum parts for better protection in corrosive environment.

### **Progress in Renovation Work for Adjoining Property of Auma India**

Auma India had acquired the neighbouring plant last year to double its production capacity. The renovation work is being carried out to increase its production area by 5400 sq.m. This facility would enable Auma India to meet the increasing customer demand. Photographs of the work-in-progress are shown below:

### **BHEL-Valve Division, Trichy Approves Auma India for the Supply of High Torque Actuators**

Auma India High Torque actuators capable of generating torque up to 16000 Nm for direct actuation with or without integral starter has recently got the approval for both NTPC and non- NTPC projects. Various tests were carried out under the guidance and supervision of Bharat Heavy Electrical Limited –Valve Division, Trichy.

### **Auma India's New Initiative to Serve its Customers Through AMC**

Auma India offers Annual Maintenance Contract (AMC) for its actuators and valve gearboxes, supplied for large projects to the customers. A separate team of service engineers has been set up to handle projects under AMC's. Auma India has already bagged a number of orders for the AMC from different customers. To know more about Auma India's AMC policy, customers can contact us at 080-39280002 or e-mail at [service@auma.co.in](mailto:service@auma.co.in)



# inf<sup>®</sup>aumat<sup>®</sup>ion

## Auma India Offers Electric Actuators with In-house Manufactured Motors

Auma India multi-turn actuators are used to operate industrial valves/gates/dampers for different applications. These actuators require high starting torque to operate these valves/gates/dampers i.e., to unseat from end positions. Auma India motors are designed, manufactured and tested in-house to cater the need of various applications like power, water and wastewater treatment, oil & gas, and nuclear, to name a few. The short-time operations of valves/gates/dampers are exploited to design Auma India motors.

Auma India motors are manufactured in-house for generating high starting torque for valves and also high pull out torque to address open /close torque requirement of valves. Motors are designed, processed, manufactured and tested under controlled atmosphere to achieve various stringent requirements as per different motor standards such as IS-325, IS-2223, IS-4722, IS-12824, IS-4691, IS-6362, IS-12075, IS-1271, IS-648/649, and IS-4026. All raw materials and manufacturing processes required for manufacturing these motors, such as stamping/copper wire/insulation scheme/aluminum to name a few, are carefully selected and monitored for better results. Once manufactured, motors are subjected to routine tests as well as special test like "Surge Comparison Test" to ensure highest level of insulation scheme. Auma India have facilities to conduct Type Test on motors and performances are evaluated in-house at regular intervals.

### Range of Motors:

- **Three Phase AC Motor**  
Voltage Range - 220V to 690V, Frequency - 50 Hz and 60 Hz, Motor Rating Range - 0.06kW - 30kW
- **Single Phase AC Motor**  
4 Pole only, Motor Rating Range - 0.06kW – 0.25kW, Voltage Range- 230V / 240V at 50 Hz
- **DC Motor**  
Motor Rating Range - Up to 4.0kW, Voltage Range - 24V to 440V (depending on kW / frame size)

These motors are designed by deliberately over looking the standard relations of kW/frames as per IS-1231 to get higher kW rating with smaller frame size, enabling Auma India to make actuators with overall reduced weight.

As most of the actuators are used for the outdoor applications, it's very important for the motors to be insulated properly to work under extreme conditions. Therefore, Auma India manufactured motors are with class "F" insulation and windings are tropicalised (Tropicalisation is an extra chemical treatment given on overhang of windings to immunize it against environmental changes, saline atmosphere, chemical atmosphere etc.) for continuous operation of the product.

Auma India motors are designed for enclosure protection class IP 68 with totally enclosed surface cooled standard IC 0141, when mounted on actuators. These motors are designed for short - time duty as per IS 12824. These motors are designed / tested to cater ON / OFF or Regulating duty applications for typical requirement of valve positioning with class "B" temperature raise limitation.

### New Specifications for Actuators

CEN/TC 69 "Industrial valves" has developed a new specification EN 15714-1 to 4:2009, defining specific terms and definitions used for industrial valve actuators. This is a very exhaustive specification developed after 17 years of discussions. Mr. Maurizio Brancaleoni, MD, Auma Italiana, acted as a convenor to draft the specifications for this new standard along with other stakeholders.

<sup>®</sup>  
**AUMA**

# inf<sup>a</sup>umation

## Customer Training Program Conducted during 7-9 Jan'10

A 3-day customer training program was conducted in Jan'10 by Auma India, which was attended by a number of customers and end-users such as IPGCL – New Delhi, Wartsila India Limited – Khopoli, Vedanta – Lanjigarh, etc.



## Auma India Conducts Onsite Training Session at BHEL NLC TPS II Expansion Plant, Neyveli

BHEL, Neyveli invited Auma India to conduct an onsite training session for site engineers of BHEL, maintenance engineers of NLC and contractors.



## Auma India's Resident Representative in Kolkata

Mr. Suborto Sikdar, Manager-Marketing, is relocating to Kolkata for providing better customer service for the complete Eastern region. He would be available at the address given below from May 2010 and other contact details for the same would be informed directly to all concerned, shortly.

### Address:

Flat No. 4A, HIG-IV, The Pines,  
Greenwood Sonata, Action Area-II D,  
New Town, Kolkata-700 167

**auma**®  
*Solutions for a world in motion*

*Edited by: Sandhya Sengar*

For feedback & extra copies, mail us at [sandhya@uma.co.in](mailto:sandhya@uma.co.in)

## Auma India Pvt. Ltd.

### Head Office and Works:

#### Auma India Pvt. Ltd.

39-B, II Phase, Peenya Industrial Area, Bangalore-560058

Ph: 080 - 28394656 / 28370781

E-mail: [info@uma.co.in](mailto:info@uma.co.in) Website: [www.uma.co.in](http://www.uma.co.in)

### Branch Office:

#### Auma India Pvt. Ltd.

712, 713, Bldg. No.1

"Siddharth Towers", Kothrud

Pune-411038

Ph: 020 - 25410465

E-mail: [aumapune@uma.co.in](mailto:aumapune@uma.co.in)

#### Auma India Pvt. Ltd.

1310, Tower A,

Corenthum Complex, Sector 62,

Noida- 201301

Ph. No. 09212039339 / 09311195850

E-mail: [aumandi@uma.co.in](mailto:aumandi@uma.co.in)