



## Celebrating 62 Years of Independence

### Auma India Commissions Actuators at BPCL Rajbandh TOP (Tap Off Point) Marketing Terminal

Auma India has supplied 36 electric actuators to BPCL Rajbandh with adoption kits for automation of existing manually operated valves. All actuators were supplied with control modules suitable for MODBUS communication protocol, installed in different service areas with 24 actuators installed in tank farm area, 7 in pump house and 5 in TLF gantry. Multidrop technique has been used to connect these actuators to the Master GE - FANUC PLC supplied by Honeywell, resulting in extremely fast communication speed and ensuring the smooth operability of the network. BPCL is able to handle increased load & achieve targets, with this automation.



### Message from the Managing Director, Auma Riester GmbH & Co. KG

Auma is a global organization, with sales units, service hubs and representatives all over the world, enabling us to offer solutions for customer specific actuation. Auma India, as a part of Auma group, has imbibed Auma's policy of providing products and services of high quality, for its customers. Auma India Products are supported worldwide by our after sales service department. I, on behalf of Auma Group, thank all the customers for having reposed their confidence in us.



Matthias Dinse

### Kerala Water Projects

Auma is executing an order of regulating duty actuators with integral starter and positioner for Kerala Water Supply Board to operate Butterfly Valves in a closed loop system. These projects of KWSB would improve the water supply to Puttuvam, Meenad and adjoining areas by meeting the drinking water needs of forty-three lakh people and contribute substantially to the overall development of the project area.

### Gandikota Lift Irrigation Scheme- PS2 Project

Auma has successfully commissioned actuators with integral starter to automate Butterfly Valves installed in pumping station for Gandikota Irrigation project in Andhra Pradesh. This project is designed to increase capacity of Gandikota Lift Irrigation Scheme from 4 TMC to 6 TMC to irrigate the adjoining areas of 88,465 acres.

### Visakhapatnam Steel Plant- SP3 Project

Auma is executing an order of norm actuators coupled with AUMA-MATIC controls having two - wire serial communication protocol, MODBUS RTU for Visakhapatnam Steel Plant - SP3 project to operate hot air and combustion air fans.



- Auma India Supplies Actuators for:
  - BPCL Rajbandh TOP (Tap Off Point) Marketing Terminal
  - Kerala Water Projects
  - Gandikota Lift Irrigation Scheme- PS2 Project
  - Visakhapatnam Steel Plant- SP3 Project
- Auma India
  - Procures Leak Test Instrument
  - Designs New Semi-pact Actuator
- SIPOS Aktorik- An Auma Group Company
- Auma Bevel Gear Operators
- Auma at AICHEM, Frankfurt
- Auma Product Presentation at an Event in West Bengal
- Customer Training Program Conducted during 11-13 Jun'09
- Auma Provides Helping Hand to Narayanapura Government Primary School

## Auma India Procures Leak Test Instrument

Auma has recently installed an imported Leak Test Instrument, which ensures that each multi-turn actuator is subjected to a leak proof and tightness test during assembly to ensure enclosure protection IPX8 standard according to IS 13947. Pressure within the actuator over an acceptable limit is monitored for a fixed period of time to pass the actuator. This sophisticated test instrument can also be used for testing the tightness of other enclosures like motor housing, e-pac, switch compartment and terminal compartment of actuators in assembled condition.



## Newly Designed Semi-pact Actuator

Newly designed & developed semi-pact actuator has certain features in addition to the present range of semi-pact actuator having local push button station with externally supplied controls for further automation.

Some of the major benefits in the newly developed semi-pact actuator are as follows:

- Modularity in design
- Plug-in connectors at the customer end for enhanced customer connection
- IP68 enclosure protection, and
- Space provision for additional features such as reversing contactor & TOLR, if required



## SIPOS Aktorik- An Auma Group Company

SIPOS Aktorik earlier known as Actuator Division of Siemens is an Auma Group company since 1999 and is one of the leading manufacturers of high-end actuators with 100 years of experience. SIPOS Aktorik designs tailor-made solution for worldwide customers by following an approach of holistic product know-how, from planning, solution development, commissioning up to service. Their actuators are employed in Power Plant, Water and Wastewater Plants in different parts of the world.

For the requirement of SIPOS actuators and spare parts, customers can contact Auma India. Service engineers of Auma are also capable of servicing SIPOS and old Siemens actuators. For any service requirement of SIPOS product, customer can mail us on [service@auma.co.in](mailto:service@auma.co.in).

### Some of the products of SIPOS Aktorik



Electric Rotary Actuator



Electric Linear Actuator



Electric Part-turn Actuator



Electric Actuator for Nuclear Power Plants

For more information on SIPOS products visit [www.SIPOS.de](http://www.SIPOS.de)



## Auma Bevel Gear Operators

Auma Bevel Gear Operators have the following features which allow valve makers to consider this product for both manual and electric operations of gate valve including high-pressure gate valves & diverter dampers:

- Auma bevel gear operators have a high degree of enclosure protection class IP68
- All torque transmission elements like bevel gears are gas nitrided ensuring long life, and
- These gearboxes are filled with special grease and suitable for any positional mounting

For rising stem application, separate output drives can be selected depending on the type of coupling, which ensures that gear operator can be removed for servicing, still retaining stem thrust without disturbing valve settings (valve stem threads must be self-locking). Bevel gear operators are by nature not self-locking but can have this feature either by making valve stem threads self-locking (Manual operation) or by selecting actuators with this feature (Electric operation). In case of manual operation, input torque required is less due to high mechanical advantage of gear operators. For low/high temperature applications, different versions of bevel gear operators are available.

### Range available for Bevel Gear Operator:

Max. Torque- 120 Nm to 16000 Nm

Max. Thrust- 60 kN to 1375 kN

### Sizing of these gear operators are done by considering the following data:

1. Type of Valve
2. Maximum thrust incase of rising stem application
3. Maximum torque
4. Type of service/duty
5. Turns per stroke of valve from fully open-to-close position
6. Operating time (Electric operation), and
7. Mounting details

Many customers have found Auma bevel gearbox and actuator combination as an economic solution for different high-pressure gate valve applications, which are normally automated directly with high torque actuators.

Auma bevel gear operators are sturdy and incorporate all the features, which are of benefit to the end user. Auma's bevel gear advantage makes it a preferred choice in high-pressure gate/globe valve sector.



## Auma at ACHEMA, Frankfurt

Auma Riester GmbH & Co. KG, Germany, participated in International Exhibition ACHEMA-Congress on Chemical Engineering, Environmental Protection and Biotechnology in Frankfurt during 11-15 May'09 and displayed its newly developed products.



# inf<sup>a</sup>umation

## Customer Training Program Conducted during 11 – 13 Jun'09

Auma conducted a training program during 11-13 Jun'09, which was attended by customers from NTPC-Anta, NTPC-Unchahar, KSB-Coimbatore and MIL Controls-Aluva.



## Auma Product Presentation at an Event in West Bengal

Auma presented its product range at an event organized in Kolkata by Public Health & Engineering Department, West Bengal. More than 80 customers participated in this event, which included Consultants and OEM's primarily from the West Bengal region. This presentation has generated lot of interest in Auma products.



## Auma Provides Helping Hand to Narayanapura Government Primary School



As a part of its social commitment, Auma India has renovated the premises of Narayanapura Government Primary School, Peenya, Bangalore and distributed stationeries, school uniforms and school bags to the students.

# auma®

*Solutions for a world in motion*

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