



AUMA India to supply actuators for NTPC's Kudgi Super Thermal Power Plant

AUMA India, the leading manufacturer of electric actuators and valve gearboxes in India, has been selected to supply around 500 actuators for the NTPC's first super thermal power station in Karnataka.

Kudgi Super Thermal Power Plant is a 4000 MW super-critical thermal power plant developed by NTPC at Kudgi village in Bijapur District of Karnataka. It is NTPC's first 800 MW super thermal power project in Karnataka and is being developed in 2 stages. The first stage will have a capacity of 2400 MW (3 x 800) MW and second stage will have a capacity of 1600 MW (2 x 800) MW. The electricity generated by this power plant will be supplied to the four South Indian states of Karnataka, Andhra Pradesh, Tamil Nadu and Kerala.

In the first stage, plant will feature the super-critical coal-fired boilers supplied by M/s Doosan Chennai and super-critical steam turbines and generators supplied by M/s Toshiba JSW and flow control technology supplied by various valve makers along with actuation technology provider AUMA India.

AUMA India has received various orders for the automation of valves and dampers to be used with boilers, steam-turbines and generators by various valve makers, which will be supplied in a phased manner.

Strong presence in the power sector with vast experience and expertise and M/s Doosans' experience with AUMA products, globally, was the key to securing this esteemed project. AUMA India's scope of work will include manufacturing, supply and commissioning assistance of electric actuators at site.

In the past, AUMA India have supplied similar actuation technology for various NTPC projects and is executing supplies for NTPC Solapur and Mundra projects.

AUMA India bags several orders for BPCL Kochi Refinery

AUMA India has bagged several orders for BPCL Kochi tank farm automation project to supply AUMA Germany make explosion-proof actuators with foundation fieldbus communication. Among these actuators few are with K-Mass® coating.

The K-Mass® coated actuators have special coating that expands in the event of fire and protects the parts inside the housing against heat. This makes sure that actuators with K-Mass® remain fully functional during 30 minutes even when subjected to temperatures up to 1100°C.

AUMA India supplies large size gearboxes for Godavari Drinking Water Scheme

AUMA India has supplied a number of large size customized worm gearboxes for manually operating the 2600 mm butterfly valves to control the flow at Godavari Drinking Water Scheme of Hyderabad Metropolitan Water Supply & Sewage Board (HMWSSB). This scheme is one of the largest water supply scheme in Hyderabad to be implemented in 3 phases with the capacity of 10 TMC each. It features the longest pipeline of 186km for the transportation of water in India.

KBL is supplying the flow control and pumping equipment for this project and AUMA India was approached to provide a solution for manually operating the valves requiring a mammoth torque of 449000 Nm.

AUMA India supplies include customized solution of special gearing ratio by combining worm and spur gearboxes. This solution was developed, manufactured and tested at AUMA India before supplying to Kirloskar Brothers Limited for installation on valves.





AUMA India bags the order for NTPC's Meja Thermal Power Plant

Yet again, AUMA India has been selected to supply electric actuators for one more NTPC project namely 2 x 660 MW Meja Thermal Power Plant in Uttar Pradesh. AUMA India scope of work consists of manufacturing, supplying and commissioning assistance of electric weather-proof actuators. The orders for the supply of automation technology has been received by various equipment manufacturers.

This project is based on super-critical technology for higher efficiencies and is executed by the joint venture company, Meja Urja Nigam Private Limited which is a joint venture of NTPC and UPRVUNL.

AUMA India supply includes various models of weather - proof actuators for the operation of different valve and damper applications for the steam-turbine and generator package.

AUMA India executes the order for IOCL Guwahati Refinery

AUMA India has recently executed the order for IOCL Guwahati Refinery, Assam. The supply included AUMA India make explosion - proof actuators along with worm gearboxes. These actuators will be used for automation of ball valves at the refinery.

Guwahati refinery is the first public sector refinery in India which belongs to Indian Oil Corporation Limited.



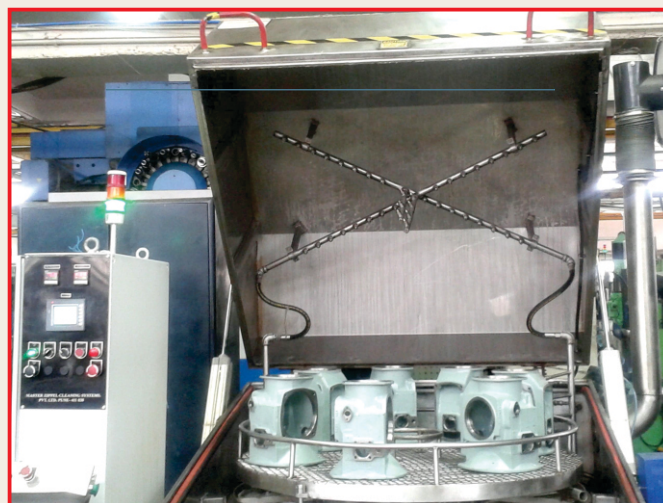
Order & Cleanliness concepts at AUMA India

In continuation with its moto to achieve total organization, cleanliness and standardization in the workplace, AUMA India has taken several steps to augment the lean manufacturing system in the company.

Under this drive, AUMA India has recently installed a new Hanel-make Lean lift for tool crib for the better organisaztion and handling of tools in the machine shop. This lean lift can handle load up to 30 Tons (including dead weight of containers) and has a total storage area of 81.18 m².



In addition to the lean lift, AUMA India has also installed a new washing machine with front loading and two trolleys concept for the cleaning of all actuator and gearbox components before assembly.



AUMA India introduces a new range of Bevel Gearboxes ABG.2

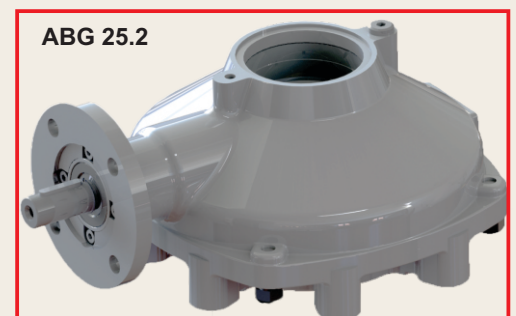
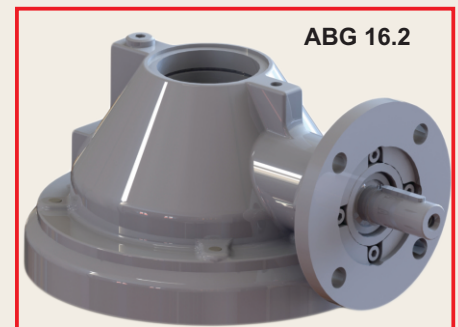
AUMA India has developed a new range of multi-turn bevel gearboxes ABG.2 to meet the specific requirement of customers. These bevel gearboxes are based on most advanced designs which allows to integrate the output drive within the gearbox, thus minimizing the manufactured parts and optimizing the gearbox size. This new range of bevel gearbox finds application in the operation of rising or non-rising stem gate valves to cater to the increased torque requirements. Presently, these multi-turn bevel gearboxes are available in two versions i.e., ABG 16.2 and ABG 25.2 and other versions like ABG 10.2, ABG 14.2 and ABG 30.2 are under development to offer varied torque ranges. These gearboxes are designed, manufactured and tested in-house. Wide torque range, modular design and potential for use with electric actuators, make these bevel gearboxes viable to operate all types of rising or non-rising stem gate valves.

Technical details of ABG 16.2 & ABG 25.2 bevel gearboxes

Model	Max. Output Torque in Nm	Thrust Permissible in kN	Max. stem acceptance dia. in mm
ABG 16.2	1500	200	60
ABG 25.2	2500	320	72

Some of the salient features of ABG.2 gearboxes are:

- In-built (integrated) thrust base output drive
- Suitable for both Open - Close and Modulating duty
- Can be operated in
 - Manual operation (via handwheel)
 - Motor operation (with electric actuators)
- Modular construction allows for any position mounting
- Reduced weight due to new design
- Ambient conditions
 - High degree of enclosure protection class IP 67.
 - IP 68 enclosure protection can be offered on request.
 - High quality corrosion protection
- All torque transmission elements like bevel gears are gas nitrided ensuring long life
- Gearboxes are filled with Special grease



Selection / sizing of the appropriate gearbox is done based on the following data:

- Type of Valve - Multi-turn valve (such as Gate, globe)
- Maximum thrust
- Maximum torque
- Type of service / duty
- Turns of stroke of valve from fully open - to - close position
- Operating time (in case of electrical operation), and
- Mounting details

The new range ABG.2 bevel gearboxes are an efficient and economical solution for the gate / globe valve applications with high torque requirements. These gearboxes are sturdy and incorporate all the features, which are of benefit to the end-users.



Customer Training Programme

A 3-day customer training programme was organised by AUMA India in its premises during 24th - 26th April 2014, which was attended by delegates from various end-users and valve manufacturers. The training programme was aimed at imparting theoretical know-how along with the detailed demonstration of our products.

AUMA India @ CII - 2nd edition Valve Technology Conclave

AUMA India was the Gold sponsor for the 2nd edition Valve Technology Conclave with theme 'Create Competitive Edge in Manufacturing to take on Global Competition' on 30th May 2014 at Hotel The Residency, Coimbatore. The event was organized by Confederation of Indian Industry (CII) Coimbatore zone.



Mr. P Kumarswamy, General Manager, BPCL with Mr. MN Balachandra at our stall in the valve conclave

AUMA India presented Scholarships to Meritorious Children of its Employees

Under the Employee Welfare Programme, AUMA India recognized the meritorious children of its employees by presenting them scholarships under the merit-based scholarship programme for the FY 2013 - 14.



Mr. Mathias Dinse, Chairman - Commercials, AUMA India at the scholarship presentation ceremony

AUMA India's contribution towards Prasanna Trust Orphanage

As a CSR initiative, AUMA India has contributed INR 1 Lakh to Prasanna Trust orphanage namely Prasanna Jyothi Children's Home - an exclusive orphanage for girls. This orphanage takes care of food, clothing, shelter and education of girls aged between 3 - 18 years



Prasanna Jyothi Children's Home

Auma India Private Limited

Head Office and Works
38 A & 39 B, II Phase, Peenya Industrial Area, Bangalore 560 058
Ph: 080 - 3041 2222/ 2839 4365 Fax: 080 - 2839 2809
E-mail: info@auma.co.in Website: www.auma.co.in



Branch Offices

Noida:
#1310, Tower A,
Corenthum Complex, Sector 62,
Noida - 201 309, Ph: 0120-3060522.
E-mail: VeereshS@auma.co.in

Pune:
712, 713, Building No.1,
'Siddharth Towers', Kothrud,
Pune - 411 038, Ph: 020-2541 0465.
E-mail: NCPatil@aumaindia.com

Kolkatta:
Ph: 09845941812.
E-mail: SubratoS@auma.co.in

Chennai:
Ph: 09884119795.
E-mail: vramanan@aumaindia.com

Link for free 18 months Additional Warranty Registration:

[http://www.auma.com/cms/AUMA/india/Warranty Registration](http://www.auma.com/cms/AUMA/india/Warranty%20Registration)

YouTube links for AUMA India videos:

<http://www.auma.com/cms/AUMA/india>

<http://www.auma.com/cms/AUMA/india/service>

For feedback & extra copies, mail us at sandhya@auma.co.in

Design & Theme by Sandhya Sengar

News Bulletin - Icons - M N Balachandra
Nilesh C Patil
Vinayak Deshpande
Yashwant M Jannu

Sridhar R
Umesh Krishnamurthy
Vinay M S
Binoy NP



AUMA

Solutions for a world in motion