

infaumation

AUMA India Quarterly Newsletter (Oct ~ Dec, 2013)

AUMA India to supply actuators for 3 x 800 MW Super Thermal Power Plant, Kudgi

National Thermal Power Corporation (NTPC), the largest power producer in India, plans to produce 4,000 MW power at Kudgi Super Thermal Power Plant in phases. In first phase, three units with a capacity of 800 MW each are being set up at an estimated cost of Rs 15,166 crore. In the second phase, two units with 800 MW capacity each will come up.

This power plant is aimed at meeting the growing energy demand in the four southern states proportionately. Karnataka being the host state, will get 50% of the power generated at the plant with the balance 50% distributed among Andhra Pradesh, Tamil Nadu and Kerala.

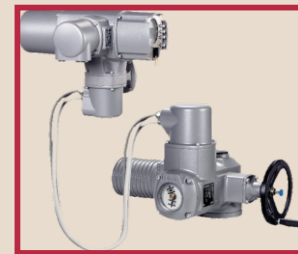
AUMA India has bagged two orders of weather - proof actuators with integral controls and worm gearboxes for complete boiler package (for all types of valves and damper applications). M/s Doosan Chennai Works Pvt. Ltd. is the Steam Generator provider for this power plant.



AUMA India bags an order of actuators for HPCL's Uran-Chakan-Shikrapur Pipeline

This 165 km Uran-Chakan-Shikrapur pipeline is being laid by HPCL to supply LPG to various parts of Maharashtra by drastically reducing the bulk road transport on the ghats between Mumbai & Pune, environment friendly transportation, enhanced safety and better services to the customers.

AUMA India has got the order of explosion - proof actuators with K-Mass protection, an additional option of Wall bracket for control units and worm gearboxes for the automation of MOV's on 165 km long HPCL's Uran-Chakan-Shikrapur pipeline. The special K-Mass fire proofing paint allows actuators to work for up to 30 minutes under extreme conditions of fire in the surrounding area in case of emergency.



AUMA India to provide explosion - proof actuators for various IOCL Terminals across India

AUMA India has received the order of explosion - proof electric actuators suitable for 2-wire communication via MODBUS, for the automation of various IOCL terminals across India. AUMA India will be supplying these actuators for Double Block and Bleed type Plug valve applications. AUMA India's scope of work consists of supplying and commissioning of suitable explosion - proof electric actuators.

AUMA India has successfully implemented similar solutions at various oil terminals across India.

**Visit AUMA India stall @
CII - Valves Conference on
13th December 2013**

**Majestic Hall, Hotel The Lalit,
Sahar, Mumbai**



AUMA India to supply weather - proof actuators for Bandel Thermal Power Plant, West Bengal

AUMA India has bagged an order for supplying weather - proof actuators with integral controls for the automation of gate valves at Bandel Thermal Power Station Unit 5 (1 x 210 MW). This is the second order for the same project.

AUMA India's scope of work under this Energy Efficiency Renovation & Modernization project consists of site study, supplying and commissioning of suitable weather - proof electric actuators.



5s @ AUMA India

Pictures depicting improvements in the actuator assembly and MCN area after 5s implementation.



Actuator Assembly Area



MCN Area

AUMA India gets recognized as 'Export House'

AUMA India has been accorded the status of Export house in accordance with the provisions of the Foreign Trade Policy 2009-2014 by Office of the Joint Director General of Foreign Trade, Ministry of Commerce & Industry, Government of India. This recognition was awarded based on the export performance of the company during current plus previous 3 years.



Facilitation for AUMA India @49th AGM of PPMAI

Process Plant & Machinery Association of India (PPMAI) facilitated AUMA India, for its achievements in the domain of energy conservation and upon receiving 'Certificate of Merit' National Energy Conservation - 2012 award in the General Category sector from Government of India, Ministry of Power.



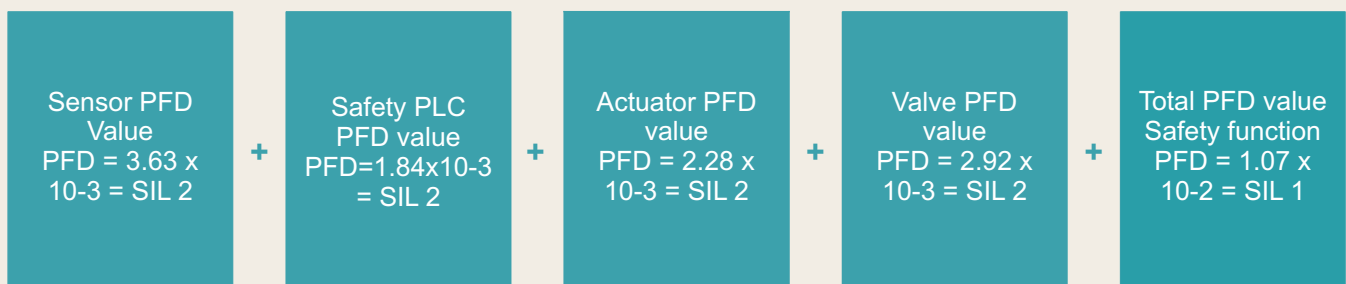
Mr. N C Patil
Sr. Manager - Marketing
receiving award on
behalf of AUMA India

Functional Safety – SIL

In last article, we learnt details of SIL and its assessment. Continuing in the same line, this article will go into more details about SIL.

A safety integrity level is always claimed for the complete safety function. Therefore, consideration of PFD values for the individual components is insufficient.

For e.g. :- Calculation of the total PFD value of a safety function



The PFD value of individual components is added to determine the SIL capability of the safety function. The resulting PFD value of a safety function is then compared with the allowed total probability of dangerous failure on demand for the required SIL. Should the calculation show that the selected hardware components do not achieve the required SIL, SIL capability has to be improved by additional actions such as diagnosis and redundancy.

The partial valve stroke test is performed regularly to verify device function. Actuator or Valve travel a predefined distance forth and back to test whether device actually operates.

PVST is a recognized anticipated test method to increase the availability for device for safety function.

The proof test deals with a comprehensive system verification done periodically.

Redundant system architecture is used to increase the probability that the safety function is performed in case of emergency. Two or more device of a safety related system are subjected to redundant operation.

Depending on the safety requirement different M oo N configuration makes sense. For a 1oo2 (One out two) configuration one out of two devices us sufficient to perform required safety function.

For e.g:- 2oo3 (Two out of Three) implies configuration 2 out of 3 devices must function properly. Redundant system architecture can increase hardware fault tolerance and consequently SIL capability.



Mr. M N Balachandra,
Vice-President, Marketing,
AUMA India Pvt Ltd.

Customer Training Programme

A 3-day customer training programme was organised by AUMA India in its premises during 10th - 12th July 2013, 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.

Training Start Date	Training End Date
24 - 10 - 2013	26 - 10 - 2013
09 - 01 - 2014	11 - 01 - 2014

For more details, contact us at :
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AUMA India @ ARMMCON

AUMA India participated and presented on 'Innovation in Maintenance Practices' in the ARMMCON (Asset, Reliability and Maintenance Management Conference) at Mumbai.



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AUMA India presented Scholarships to Meritorious Children of its Employees

Every year, AUMA India recognizes the meritorious children of AUMA employees by presenting them Scholarships under the merit-based scholarship programme under Employee Welfare Programme



Mr. Srivatsa.
S/o Mr. Keshava Babu
 (Mr. Keshava Babu receives the award on behalf of his son.)

Annual sales meet @ AUMA India

A one day annual sales meet of AUMA India sales team was organized at a resort near Bangalore.



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

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