



Marine Electricals

Case Study

Granules OmniChem

Pharma Sector

Brief intro of client:

Granules OmniChem is a Joint Venture between Hyderabad-based pharmaceutical player Granules India Limited and Ajinomoto OmniChem, a subsidiary of Belgian company OmniChem.

Assignment Details:

- Granules Omnicem put up their new plant at Vizag on 2014 under consultancy of SNC Loveline. The client needed a fully atomized workshop with communication facilities and future upgradation provisions having DCS.
- The client had four shops connected with field bus for communication on Ethernet TCPIP.
- Since all data had to communicate to the central DCS , the requirement was IPCC and IMCC. All components were having communication facilities with PLC in each panel and Ethernet switch for communication on Modbus protocol to communicate measuring parameters and status of feeders to Plant DCS.
- It was required that communication should have fully redundancy facility; hence, we considered ring topology. Entire communication between all devices and DCS was in our scope.



Scope of Assignment

All panels supplied, right from the MAIN PCC to APFC Panel, were of Intelligent type. DCS was of ABB make. Total communication between all panels and DCS was established successfully within decided timeframe. A key part of the scope involved commissioning of the panels at the site.

Highlights:

- Main iPCC is of 3200 A with Aluminium Busbar.
- Order included design, supply, testing & commissioning of panels and bus ducts. Order involved 4 iPCCs, 11 D/F iMCCs and 4 APFC panels containing 42 ACBs, 50 Draw out MCCBs , 247 starters with TsysTs and 55 VFDs.
- All ACBs, MCCBs were supplied with advanced protection and metering functions and the same was hooked on to the central monitoring system communicating key breaker parameters like on, off, status, key metering parameters, key breaker maintenance parameters.
- Order value was approx INR 5 Cr. and the assignment was executed within 60 days.



Thank you

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