

Troubleshooting, Calibration and Commissioning of Emerson 6888Xi Oxtgen Analyzers at EPTL Thar Block II

Customer:

Customer is one of the Coal Fired Power Plant with 660 MW production capacity, is committed to its mission of tackling the challenges of the new energy future. Customer's aim is to meet the energy needs of society, in ways that are economically, socially and environmentally viable, now and in the future.



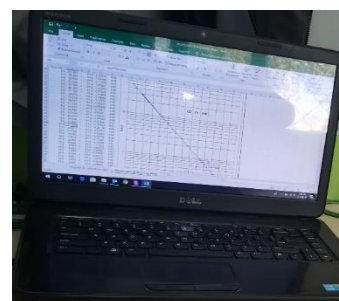
Challenges:

- EPC(CMEC) commissioning team was unable to calibrate 08-numbers of Oxygen Analyzers after trying for so many times. Project was in final phases to start their first fire cycles in tentatively 2-3 weeks and O2 Readings were most important for EPC team and Customer, as it provide the actual combustion efficiency.
- GE supplied the Emerson O2 Analyzers to EPC team as a part of Boiler Combustion Monitoring Solution, finger pointing was started between supplier, EPC and subcontractors involved in installation and commissioning. During this finger pointing war no one was taking the responsibility. After all They decided that these O2 analyzers are faulty and requested for urgent warranty claim to GE.
- GE contacted Emerson US regarding the issue being faced and Emerson advise for the evaluation of all 08 O2 analyzers through their local representative before proceeding to warranty claim as these analyzers were procured from Emerson US Facility.
- GE Project team, Customer (Engro) and EPC contacted EE to help them in resolving the issue and timeline for this support was very short as they required Emerson Experts very urgently at Project Site.



Solution:

- EE Certified Engineer traveled to customer site very next day to resolve the issue as soon as possible and started Troubleshooting of O2 Analyzers very same day reached at site.
- After detailed troubleshooting EE engineer advise the actual conditions of analyzers to EPC, GE Project team, Customer and Emerson US as well.
- After detailed discussion and approval regarding how to proceed further as this was not the case of warranty claim, EE engineer performed proper configurations and Tuning of parameters and recorded all the results to be submitted to concerned teams.
- Finally, Calibrations were performed and EPC, GE Project team and Customer representatives witnessed the performance and efficiency of O2 Analyzers as per designed specifications. Results were submitted to Emerson US as well.
- Commissioning was performed and Combustion Monitoring System was handed over to EPC Commissioning team.



Results:

EE was trusted partner to complete the troubleshooting and commissioning of 08 Nos of Emerson 6888Xi Oxygen Analyzers.

