

Site Office:

Plot No. B1 & B7,
Mohabala MIDC Growth Centre,
Post and Tehsil Warora
Dist. Chandrapur,
Maharashtra 442 907
CIN U40100MH2005PLC155140
W www.gmrgroup.in

PLACE: Warora

Certificate of Appreciation


This is hereby certified that M/s **TEFUGEN Technologies Private Limited, Tiruchirapalli** have successfully completed the project for **GMR - EMCO Energy Limited, Warora** as per our Service Order (SO No.: 4800114305; Dated 25 February 2015) for conducting "**Computational Fluid Dynamics (CFD) Analysis and Testing of Flue Gas ductsystem (APH outlet to ESP inlet)**" in our Unit #2 (300MW) pulverized coal fired Thermal Power Plant. In addition to that they have also supplied materials (Deflector plates for uniform distribution of Flue Gas as suggested by CFD Analysis) and supervised the installation activities of supplied materials as per our Domestic Purchase Order (PO No.: 4500056593; Dated 20 June 2015).

The **project scope** includes the following:

1. Assessment of the existing flow condition within the ducts through in-situ **Pre-Testing**.
2. **CFD analysis** to optimize the design of Flue Gas ducts to achieve uniform flow distribution and achieve reduction in pressure drop within the ducts.
3. **Manufacturing and supply** of deflector plates as identified through CFD Analysis.
4. **Erection supervision** of supplied materials in the Flue Gas duct system.
5. Assessment and verification of the improvements in flow distribution and reduction in pressure drop through in-situ **Post-Testing**.

TEFUGEN's flow optimization technique using CFD analysis drastically reduced the pressure drop and helped to achieve uniform Flue Gas flow /velocity distribution within the APH outlet to ESP inlet ducts; thus helped to solve the erosion & pressure drop problem.

We would like to put on record our sincere appreciation for TEFUGEN and its team for their dedicated work.


Abhay Kumar Janardan Choudhari

GM - C&E and OS
GMR Warora Energy Limited, Warora

Registered Office:

701/704, 7th Floor, Naman Centre,
A-Wing, BKC (Bandra Kurla Complex),
Bandra, Mumbai 400 051

Corporate Office:

302, Airport Building
New Shakti Bhawan,
Opposite Terminal 3, IGI Airport,
New Delhi-110037