



24 November 2020

To Whom It May Concern

This serves to confirm that the United Nations Industrial Development Organization (UNIDO) technically and financially supported the development and validation of the Regenerative Burner System of M/s ENCON Thermal Engineers Pvt Ltd (Faridabad) under its Facility for Low Carbon Technology Development (FLCTD), following independent screening by subject area expert panel.

The United Nations Industrial Development Organization (UNIDO) is implementing a project with the Bureau of Energy Efficiency (BEE), Ministry of Power titled '*Facility for Low Carbon Technology Deployment*' (www.low-carbon-innovation.org). The project is funded by the Global Environment Facility (GEF) and has been formally endorsed for implementation in India by the Ministry of Environment Forest and Climate Change (MoEFCC).

The main objective of this FLCTD Project is to facilitate the deployment and scaling up of innovative energy efficient and low-carbon technologies in India. The project conducts annual innovation challenges to solicit applications of innovative technologies under different technology verticals, including waste heat recovery. Expert panels review the applications to select those applications that are innovative, promise significant energy savings, have good techno-economic prospects and appear scalable and replicable. The top-ranked applicants are supported by FLCTD to deploy their technology in a suitable industrial or other appropriate user setting in India, through industry liaison, oversight and validation of efficacy and market potential, along with partial grant funding for such deployment up to maximum of USD50,000.

M/s ENCON Thermal Engineers Pvt. Ltd was selected to receive aforementioned deployment support for its innovative "Regenerative Burner System" following the expert panel review in the 2019 annual innovation challenge in the waste heat recovery category. UNIDO provided M/s ENCON Thermal Engineers Pvt Ltd INR 3,600,000 (three million and six hundred thousand Indian Rupees) to deploy and validate its regenerative burner system at its unit located at 53 KM Stone, Delhi - Mathura Road, District Palwal, Haryana. UNIDO contracted the Confederation of Indian Industries – Godrej Green Business Centre (CII-GGBC) for the independent validation of the deployed technology.

The ENCON regenerative burner system recovered more than eighty (80) percent of the waste heat and achieved more than eighteen (18) percent fuel saving, depending on the flue gas temperature. The replication potential of the technology has been rated very high specially in commercial furnaces for steel reheating, forging and heat treatment. The technology validation report prepared by CII-GGBC contains full details of the validation.

This statement is issued to encourage further consideration and assessment of the ENCON regenerative burner system, however, does not constitute an endorsement in whatsoever form by the United Nations Industrial Development Organization.

Dr René Van Berkel
UNIDO Representative in India