

Business Standard

Cummins inks pact with IISc

BS REPORTER
Bangalore, 6 September

Cummins India Limited (CIL) and the Indian Institute of Science (IISc), Bangalore, have announced their signing an agreement to commercialise biomass gassification power generation systems.

Under the agreement, CIL and IISc will work together for continuing an integrated development and release of power generation systems based on an 'open down draft' biomass gassification system developed by IISc.

This is the first large-scale commercialisation of the technology with products designed for optimised operations and uptime.

According to a statement, CIL will launch a new range of generator set systems designed to work on gassifiers designed as per the IISc technology.

The generator sets will be available in a range of ratings starting with 25 KWe and extending to multiple unit power plants over 1.5 MWe.

Under the agreement, CIL will manufacture pre-integrated generator sets which will then be used in projects developed internally or through

the licensees approved by the IISc for manufacture of gassification systems.

Biomass is a low-cost and sustainable fuel source which reduces the cost of power generation substantially by the gassification route.

Speaking on the occasion, P.J Paul, a professor of IISc, said, "Our state-of-the art technology package known as 'Open Top Re-burn Down Draft Biomass Gassifier' generates gas from a range of biomass that comprises forest residue, agricultural residue in briquetted form, bagasse, among others."

The Union ministry of non-conventional energy sources (MNES) has estimated a potential of over 1,700 MW for producer gas as fuel from biomass which can help power the 1.25 lakh unelectrified villages today.

Rampraveen Swaminathan, vice-president (power generation business), CIL, said, "Cummins is committed to developing power generation technologies based on lower cost and sustainable fuels. This initiative provides a significant lifecycle cost advantage over hydrocarbon fuels and enables us to develop sustainable energy systems."