

CENTRE FOR RURAL DEVELOPMENT & TECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY, DELHI
HAUZ KHAS, NEW DELHI - 110 016, INDIA



Dr. Rajendra Prasad
Professor

Phones (O) : 91-11-26591157, 26526135
(R) : 91-11-26515293, 26591667
Mobile : 91-9810742111
Telefax : 91-11-26526135
e-mails : rprasadiitd@gmail.com
rprasad_iitd@hotmail.com
rprasad@rdat.iitd.ernet.in

No. IITD / CRDT/ RP/CS/1118

21st April, 2014

Mr. Ashwin Patel
Alpha Renewable Energy Pvt. Ltd.
Vasna, Anand, Gujarat.

Subject: Test Reports for the XXXL Plus Stove, SI No. 44030002, Forced Draft, Community Sized.

Dear Mr. Patel,

This has reference to your letter dated March 13, 2014 regarding testing of XXXL Plus Stove, SI No. 44030002, submitted by you.

We have tested the above mentioned stove at IIT Delhi as per the Revised BIS Standards, 2013. The test results have been communicated to MNRE. The average values for the different parameters studied are as follows:

Power Output: 3.78 kW (Fuel Burning Rate: 2.16 kg/hr),

Efficiency: 35.90%

PM: 78.93 mg/MJ_a,

CO: 1.97 g/MJ_a

Body Temperature: 54.70 °C

Handle Temperature: 24.60 °C

The stove has met all the parameters as per the new protocols set by the revised BIS for Forced Draft Biomass Cookstoves.

Any other information required will be gladly supplied.

With regards

Your Sincerely

Rajendra Prasad