No. IITD / CRDT/ RP/CS/1010 13th December, 2012

Saurabh Sagar Jaiswal,
Navdurga Metal Industries (Bharat)
1/8/158, Rudra India Hotel
Sagar Building, Fatehganj,
Faizabad-224001

Subject: Test Reports for Agni Star Stove, Force Draft Submitted by Navdurga Metal Industries, Faizabad

Dear Saurabh,

As you are aware, the BIS Standards and Protocols for Biomass Cookstoves testing are under revision. MNRE has prepared a draft of the revised Standards and Protocols which have been asked to be followed by the MNRE Testing Centres in the country. Accordingly, the above mentioned stove submitted by you has been tested at IIT Delhi. The test results have been communicated to MNRE for further approval etc. The average values for the different parameters studied are as follows

Power Output: 2.16 kW

Efficiency: 34.54 %

PM: 79.59 mg/ MJd

CO: 5.23 g/MJd

The stove has met one of the parameters, PM as per the new protocols set by the revised draft BIS for Forced Draft Biomass Cookstoves. However the efficiency is slightly less, just by 0.46%. Similarly the CO is slightly higher, just by 0.23 g/ MJd As per the discussions in the Core Group on 16th November 2012 at MNRE, the stove deserves the 10% margin in efficiency for approval for the first time entry by MNRE. However, you could try to improve the efficiency and CO emissions during the margin period of say one year.

Any other information required will be gladly supplied.

With regards

Your sincerely

[Signature]