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**Biomass Cookstove Testing Centre**  
**Department of Renewable Energy Engineering**  
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**Dr. A. K. Kurchania**  
Professor & PI  
DRES/CTAE/2014/

Dated: 31-03-2014

Dr. P. Dhamija  
Director (Biomass Cookstoves)  
Ministry of New and Renewable Energy  
14-Block, C.G.O. Complex,  
New Delhi - 110003.

Subject: Performance testing of biomass cookstove, model 'Eco chulha'.

Madam,

Kindly find enclosed herewith the performance testing report of biomass cook stove 'Eco chulha' from Alpha renewable energy pvt. Ltd., Anand, Gujrat for your kind perusal and necessary action. The average result of tests is given below

- |                             |                           |
|-----------------------------|---------------------------|
| 1. Model name -             | : Eco Chulha              |
| 2. Type of stove            | : Forced Draft (Domestic) |
| 3. Thermal Efficiency       | : 36.52 %                 |
| 4. CO                       | : 1.14 g/MJ               |
| 5. CO/CO <sup>2</sup> ratio | : 0.013                   |
| 6. Particulate Matter       | : 56.29 mg/MJ             |
| 7. Power Rating             | : 1.98 kW                 |

Thanking you.

Yours Sincerely,

(Dr. A.K. Kurchania)

C.c. to Alpha renewable energy pvt. Ltd., Anand, Gujrat

(Dr. A.K. Kurchania)