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IIT Bombay

To,  
M/s.Abhitech Energycon Limited,  
A/1020, Oberoi Garden Estates,  
Chandivali Farms Road,  
Chandivali,  
Mumbai-400072.

Date :August 21, 2006

Sub: Test Evaluation of THERMACT (solid fuel additive),  
Ref: Letter AEL/RSIC/3577 dated 10/7/2006

Dear Mr. Vijay Kamble (Director Technical)

We have received the sample bottles sent by you as given here under:-

Smple A: Semi Bituminous Coal

Sample B: Semi Bituminous coal with THERMACT (1:15000 wt/wt basis)

These samples A& B were submitted to M/s Gadark Lab Pvt Ltd. and were subjected to controlled combustion. The behavior of flue gases emitted and the residue was noted as given in the tables attached for the reference.

**PURPOSE :**

To understand and evaluate THERMACT effect on combustion of coal.

**CONCLUSION :**

On the basis of tables of analysis following observations can be made:-

- The chemical composition of the gases indicate reduction of CO (Carbon monoxide) and reduction of SO<sub>2</sub> and NO<sub>x</sub>.
- The chemical composition of residue remains more or less same.
- From a & b it can be derived that post combustion behavior after dosing THERMACT remains same.
- We confirm that THERMACT addition does not produce any harmful gases and also the ash characteristic remains unchanged, thereby ensuring no harmful effect whatsoever on the metallurgy of boiler and boiler tubes. It can be safely used to obtain various benefits for coal conservation and pollution control.

With regards,

(Prof. K.D. Deodhar).

