

Handled over by En D. Chaudhary

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Pl. send copy to Mr AG/SDM

En MP4 → (B)

K C MITTAL  
Managing Director

BIRLA CORPORATION LIMITED  
Birla Building (3rd Floor)  
9/1, R. N. Mukherjee Road  
Kolkata - 700 001 (India)

February 2, 2000

Mr D Chanda  
Chittorgarh

Sub: Identification of Projects for Green House Gas Abatement


It is good to note that Chittorgarh Unit is aware of 'Kyoto Protocol' and Green House Gas effect.

The details of the proposed energy saving schemes sent by you on 27.01.2000 are found to be OK in achieving the objective and please take up implementation of the schemes immediately.

Increasing PPC volume in product mix should also be taken up immediately along with possibility of increasing fly ash content in PPC. Looking at market requirements and sentiments, marketing team should identify the regions where PPC cement could be popularized in short time. We also look to government for favorable review of the prevailing policies for best utilization of fly ash.

For CDM project we have to appoint some renowned consultants who could help in preparation of documents and guide the procedure of 'United Nations Framework Convention on Climate Change' (UNFCCC) to get recognition and possibly CDM revenue.

Regards,

  
( K C Mittal )

8/2 AD/MPG/son/porph → JSK — 13

Let us discuss in detail

jointly shortly

*[Signature]*

Chittorgarh  
14.1.2000

Shri K. C. Mittal  
Kolkata

**Sub: Identification of Projects for Green House  
Gas Abatement and CDM revenue.**

We are in receipt of your letter dated 3.1.2000 detailing about Kyoto Protocol and Clean Development Mechanism. We indeed are keeping an eye on the happenings in Kyoto and its after effect. We believe that such type of projects can bring fame to our company up to Global Platform.

In line with the guidelines given in your note of 3.1. 2000 we give below the brief detail of the identified projects.

There is good possibility for energy saving by converting fixed speed drive motors to variable speed drive after using 'Variable Frequency Drive' technology. The identified drives are raw mill fans, cooler fans and few dust collector and vent fans. Replacing pneumatic conveying system by mechanical material handling system and reducing pressure drop across the preheater building cyclones. These small projects shall help us in reducing electrical power consumption, thereby, improving electrical power consumption efficiency and can be taken up for CDM.

Apart from above we can gradually increase addition of fly ash and gypsum in PPC. However, this will need lot of efforts and money in making the 'High fly ash PPC' acceptable to big consumers and builder. Due to this we cannot immediately set up our target, but 65% clinker content can be the lowest limit. Achieving such a high clinker replacement will also depend on fly ash availability and government policies but this project can also be taken under CDM.

We shall work out the above details soon.

Regards,

*Dinesh Chanda*  
14.1.2000  
(DINESH CHANDA)

no.cc: S/Sh. SSA/VKH/JSK/ST

*[Signature]*



K C MITTAL  
Managing Director

S/Sr. SSA/VK/H/JSK/51

This opportunity must be  
grasped by us. Reply to Sr KCM  
is enclosed.

*Ainob Chanda*  
14.1.2000

BIRLA CORPORATION LIMITED  
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January 03, 2000

Mr S B Roongta  
Mr D Chanda  
Mr P S Marwah

S/Sr. *AD/MPG/SDM/PRM* — (13)  
*Pl. discuss jointly*

Sub: Identification of Projects for Green House Gas  
Abatement and CDM revenue

You may be knowing about the Kyoto Protocol and Clean Development Mechanism (CDM) initiatives for abatement of Green House Gas Emission from industries and other sources. This is a need of hour to avoid further Global Warming and it shall be becoming very important in due course of time. We should also participate in this drive by reducing direct or indirect emission of green house gases from our plants. If required, finance can be arranged from Developed countries for such projects.

In our cement plants the green house gas emission reduction can be achieved in the following ways;

- By improving the Thermal efficiency of plant.
- By improving Electrical Energy of plant.
- By changing Product Mix in cement manufacturing through appropriate blending.
- By switching from higher carbon intensity fuel to lower carbon intensity fuel.

On the basis of above and keeping objective in mind, please explore all relevant projects, which could be taken up immediately. The emission reduction shall be certified by the competent and authorized agency for getting monetary gains. A list of such projects with details should be prepared and sent to us. We shall debate on such projects and finalize for implementation on priority basis.

Regards,

*K C Mittal*  
(K C MITTAL)