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To Whom it may Concern

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Mr.Shyamal Kumar Ghosh (B-5/1E, Debjan, 334, N.S.C. Bose Road, Calcutta-700047), our consultant for Prevention of Air Pollution over last two years from year 2000, has helped us in various ways for significant reduction in air pollution in the plant through his innovative ideas and meticulous follow up. During the above period, he has worked in the following areas with great success.

1. Modification of Old Bag Filters & the dust extraction systems for considerable improvement of their performance against critical (fine, non-coke forming) dusts of the product handling area.
2. Design of improvised Air Pollution Control systems using Old modified Bag Filters for the Packing Plant as well as the truck loading station. The applications are quite critical and the performances of the plants are quite satisfactory.
3. The new plants designed with help of Mr.Ghosh for Kiln Area, Product Hopper & Material Handling for SMS are working very well.
4. a) An improvised Air Curtain designed for the open type Submerged Arc Furnace has controlled quite considerably.
 - Heat loss from the Furnace Bed
 - Ingress of Cooler Ambient air to the furnace bed.
 - Air Pollution during Tapping
- b) Calculation of basic data and control of design parameters and drawings of FES of new Submerged Arc Furnace made for proper performance of the system.
5. Checking & controlling the design parameters and layout of Furnace fume Extraction system for the SMS supplied by M/s Alstom Power India Limited has been proved to be successful.
6. Improvisation of OFF-Line Pulse cleaning Bag Filter with provision for ON-Line maintenance has been found to be very useful for critical dusts and critical application.
7. a) A simple dust suppression system designed for the crushing and screening plant of Tensa Iron Ore Mines of Jindal Steel & Power Ltd. is working to the total satisfaction of the concerned authority.
- b) Designed simple dust suppression system for Raw Material Handling Area (Wagon & Truck Loading Stations as well as the Storage Yard).
8. Training programmes have been conducted for the Engineers & Operators for proper Operation & Maintenance of the Air Pollution Control Plants.

The above activities have been the outcome of scientific thinking and its practical application by Mr.Ghosh in his dedicated work.

C.Dasgupta
Sr.General Manager (QC)

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