



WEST BENGAL POLLUTION CONTROL BOARD  
Paribesh Bhaban, 10A, LA Block, Sector-III,  
Salt Lake City, Kolkata-700 098  
Phone: 335-6730 / 9088 / 6731 Telefax: 335 6730

MEMO NO.: 5357 -2P-1/2004

DATED : 22-09-2004

**Sub.: Constitution of Task Force for Formulation of Pollution Abatement  
Technology for Small and Medium Scale Industries Operating as Sectors**

Sustainable development and operation in industry have been a problem in the country as a whole and certain actions have been undertaken to overcome them. However, certain actions are called for to overcome acute problems in small and medium scale enterprises (SME's), which are affected by constraint in financial, technological and human resources. In West Bengal, other than the organized large-scale industries, many small and medium scale industries were developed because of certain geographical advantages. Many such industries constituting specific sectors are also coming up in recent times. Typical example of small and medium sector industries operating in large numbers in the State having serious environmental problems are iron foundries, hot rolling mills, secondary lead smelting units, galvanizing units, rubber industries, dyeing & bleaching industries, anodizing industries, chrome chemical manufacturing industries etc. which are operating mostly in the congested areas of the State over the years. New industrial development as small & medium scale sectors are taking place in the area of sponge iron industries, ferro alloy industries, coke making units by bee-hive process. One of the major reasons coming in the way of sustainable operation of these small-scale industrial sectors is the poor environmental management resulting in environmental pressure. In the old SME's, technological obsolescence has compounded the environmental problem in such industries. Readymade environmental abatement measures available off-shelf are unable to meet the environmental requirements for these industries due to technological and economic reasons. While continuous development and expansion of industries, both large and small scale, are essential for the state, these must be done in a sustainable manner.

2. With this objective in view, it has been decided to constitute a technical Task Force for a period of two years to look into these technological and allied problems in specific sector of industries, and to come up with economic solutions leading to environmental management in select industries in association with the leading academic institutions in the state. The constitution of the committee will be as follows:

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SL. NO.	N A M E	
01.	Shri Alope Mookherjea, Chairman, West Bengal Electronic Industries Development Corporation Ltd. and Chairman, Flakt India Limited	Chairman
02.	Prof. Siddhartha Dutta Chief Coordinator, Industry Institute Partnership Cell Jadavpur University, Kolkata	Member
03.	Dr. B. C. Chattopadhyay, Chief Coordinator, Industry Institute Partnership Cell B. E. College, Shibpur, Howrah	Member
04.	Prof. Partha Pratim Chakraborty Dean, Sponsored Research and Industrial Consultancy, I.I.T., Kharagpur	Member
05.	Dr. Dipak Chakraborty, Chief Scientist West Bengal Pollution Control Board	Member Secretary

The committee may also opt for members from specific industrial sectors or their association while addressing and investigating sector specific problems.

In view of the phenomenal growth in the Sponge Iron and Ferro Alloy industry, it has been decided that the Task Force should focus immediately on these industries in the initial state. Later, it would take up other sectors such as foundries, etc. as decided by the Task Force itself on the basis of specific requirements.

3. The Specific terms of reference of the Task Force will be as follows :
  - a. To study the working of specific industries, with particular reference to their sustainable operation and try to come up with optimum environmental solutions.
  - b. To study the current technological practice of the industry vis-à-vis the applicable modern ones, and examine the suitability of practising the same in West Bengal.
  - c. To run joint projects in active association with the academic institutions for research, development, modeling, bench scale as well as pilot plant studies particularly for the SME's to arrive at cost-effective solution of the related problems.
  - d. To recommend suitable methods and practice for operation of plant and machineries in specific industries for their sustainable operation and environmental value addition including reduction in the use of raw materials, energy, water, etc.
  - e. To recommend change of raw materials, feed, etc. wherever required.
  - f. To study operation and recommend optimum plant parameters to industries wherever applicable.

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- g. To study and recommend recycle and re-use of materials including the so-called wastes both within and outside the plant.
  - h. Any other item as decided by the Committee.
4. The Task Force will submit its Report time to time. The First Report of the Task Force should be submitted by three months outlining the course of actions against an agreed framework.
  5. All necessary facilities and assistance such as secretarial, office and other infrastructural ones as well as, scientific/technological and statistical data availability and management, etc. would be provided by WBPCB. All expenses of the Task Force such as traveling etc. will be borne by the Board.
  6. The cost of all technical projects undertaken by the Task Force through various technical academic institutions will also be funded by the West Bengal Pollution Control Board.

Sd/-  
(Dr. S. K. Sarkar)  
**Member Secretary**  
**West Bengal Pollution Control Board**

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**Copy forwarded for information to :**

1. Shri Alope Mookherjea  
Chairman, West Bengal Electronic Industries Development Corporation Ltd.
2. Prof. Partha Pratim Chakraborty  
Dean . Sponsored Research and Industrial Consultancy,  
Indian Institute of Technology, KHARAGPUR
3. Prof. Siddhartha Datta  
Chief Coordinator, Industry Institute Partnership Cell  
Jadavpur University, KOLKATA – 700 032
4. Dr. B. C. Chattopadhyay,  
Chief Coordinator, Industry Institute Partnership Cell  
B. E. College, Shibpur, HOWRAH
5. Dr. Dipak Chakraborty  
Chief Scientist, West Bengal Pollution Control Board, Salt Lake City, KOLKATA – 98

(Dr. S. K. Sarkar)  
**Member Secretary**  
**West Bengal Pollution Control Board**