



## **WEST BENGAL POLLUTION CONTROL BOARD**

(Department of Environment, Govt. of West Bengal)

Paribesh Bhawan

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**MEMO NO.: 2617 -2A-Z-II-R/78-06/07**

**DATE: 13-12-2007**

### **SHIFTING ORDER**

WHEREAS, **M/S. GEM POLYTECH INDUSTRIES PVT. LTD.** (hereinafter referred as the industry) manufactures various Polyvinyl Compounds (PVC) in their factory at 25A, Radhamadhab Dutta Garden Lane, Kolkata – 700 010

WHEREAS, a public complaint was lodged against the industry before the WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred as the Board) alleging emanation of obnoxious gases affecting the health of neighbouring residents . The complainants also mentioned about noise pollution from the activity of the industry.

WHEREAS, the inspection of the unit on 14-11-2007 reveals that for manufacturing PVC compounds, the unit also manufactures PVC granules from PVC resins using plasticisers which include various pthalate compounds, stabilizers, lubricants (Paraffin was, Synthetic Waxes, Stearic Acid), curing agents, anti oxidants as also blowing agents as raw materials. These materials are mixed in fixed proportion and heated in an extruder (thermal barrel) for generation of PVC granules.

WHEREAS, various adverse health effects of pthalate on human being have been reported in literature which include asthma, reproductive defects and endocrine disruption, the PVC, especially its monomer has been reported to cause cancer, birth defects, genetic disorder, chronic bronchitis etc. The polymer always contains its monomer, which is released when heated causing health impact among the workers and immediate habitat if not controlled properly. The vinyl monomer is also generated during the thermal extrusion which is carried out by the industry in its present activity. Considering the possible serious health effects of pthalate used in the manufacturing of polyvinyl compounds, many European countries have banned vinyl toys to avoid exposure to children.

WHEREAS, a public hearing was conducted at the Head Office of the Board on 05-12-2007 involving the industry and the complainants.

WHEREAS, during hearing the complainants submitted that they are complaining against the continued operation of the unit in the densely populated area for environmental reasons over a long period of time without any tangible response from any quarters.

NOW THEREFORE, considering the facts and circumstances stated above, especially the location of the unit vis-à-vis the neighbouring residential complexes, the possible adverse health effects from the activity of the unit and public complaint alleging health problem from the operation of the unit in question, **M/S. GEM POLYTECH INDUSTRIES PVT. LTD.** is hereby issued the following directions.

1. That, the industry is allowed six months time from the date of issuance of this order to shift their activity of manufacturing various Polyvinyl Compounds (PVC) from its present location to Pagladanga Industrial Estate, where the industry is already having an unit. The industry will be granted necessary “Consent-to-Establish” for such relocation of the unit at Pagladanga Industrial Estate.
2. If the industry fails to shift their current activity to the Pagladanga Industrial Estate or any other industrial area within the stipulated time period, the Board may have to consider closing the unit at its present location.

This shifting order is issued with due consideration of Internationally accepted “Precautionary Principle” (which has already been incorporated in the National Environmental Policy published in the year 2006) under the provisions of Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and Rules made thereunder.

This order has the approval of the Competent Authority.

Order

**Sd/-**

(Dr. D. Chakraborty)

**Chief Scientist & Head-Technical Cell  
West Bengal Pollution Control Board**