



**West Bengal Pollution Control Board**  
(Department of Environment, Government of West Bengal)  
Paribesh Bhawan, Bldg. 10A, Block LA  
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Memo no. 883-103/WPB/SEE(KO)GEN/2003

Date : 31/05/2010

**ORDER**

**WHEREAS** M/s. Hindusthan National Glass & Industries Ltd. (hereinafter referred to as the industry) operates its glass manufacturing unit at Panchugopal Bhaduri Sarani, P.O. & P.S. – Rishra, Dist.-Hooghly, Pin – 712 249.

**WHEREAS** the industry is engaged in manufacturing of glass containers and it failed to comply with the fluoride emission standard for the stack attached to furnace No. 6 (Total fluoride – **14.332 mg/Nm<sup>3</sup>** against a permissible limit of 5 mg/Nm<sup>3</sup>). The industry had earlier failed to comply with the fluoride standard for furnace No. 1 (Total fluoride - **44.2625 mg/Nm<sup>3</sup>**).

**WHEREAS** the industry was directed on 05/08/2009 by the West Bengal Pollution Control Board (hereinafter referred to as the Board) to submit a time bound action plan for reduction of fluoride concentration in stack emission and also reduction of white smoke emission from the stack by changing the fuel from furnace oil to LDO /LPG.

**WHEREAS** the industry was called for a hearing by the Board on 20/04/2010 for non-compliance of environmental norms.

**WHEREAS** the President of the industry attending the hearing submitted that they have taken necessary corrective steps and have complied with the fluoride emission standard in recent times. He mentioned that they have analyzed all the raw materials contributing to higher quantity of fluorine and have replaced the soda ash which was being used with pure grade soda ash and thus they have reduced the fluoride emission to a large extent. They have rebuilt tank no. 2 and have installed a very efficient glass furnace for higher combustion results. Regular analysis of sample is being done by a third party and the results are within the norms.

**WHEREAS** the industry was advised during the hearing to install an emission control system to take care of fluoride emission and also reduction of white smoke emitted from the stack.

**NOW THEREFORE**, considering the above observations and recommendation of the Technical Committee, the Board is hereby pleased to issue following directions to the aforementioned industry :

- a. The industry will ensure total compliance with regard to fluoride and white smoke emission by changing of the raw material mix and also install a suitable emission control system within six (06) months time from hereof. The progress in this regard will be observed by the Board Officials on a regular basis and if after six months time the industry is found to be still non-complying, the Board may take stricter regulatory action against the industry. The industry was also advised to explore the possibility of operating their plant using LPG instead of furnace oil.
- b. The industry should submit a **Pollution Cost** of Rs.2,00,000 (Rupees Two Lakhs) only within 15 (fifteen) days from the date hereof by Demand Draft to be drawn on Service Branch, Kolkata / Banker's cheque in favour of **WEST BENGAL POLLUTION CONTROL BOARD** for failing to comply with the stipulated emission standards.
- c. The industry should submit a **Bank Guarantee** (proforma enclosed) for Rs.2,00,000/- (Rupees Two Lakhs) only, valid for twelve [12] months within fifteen [15] days from the date of issue of this Order in favour of the **WEST BENGAL POLLUTION CONTROL BOARD**, as an assurance to comply with the above direction.

The Environmental Engineer – Hooghly Regional Office, WBPCB is requested to keep the industry under strict surveillance. If the industry is again found to operate violating the environmental norms, stricter regulatory action including closure with disconnection of electricity will be imposed.

This direction is issued in exercise of powers conferred under the provision of Air (Prevention & Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986 and Rules made thereunder.

By Order,

**Sd/-**

(Subrata Ghosh)

**Chief Engineer**

**Operation and Execution Cell**

**West Bengal Pollution Control Board**