WHEREAS, M/s Sagardighi Thermal Power Project located at village: Monigram, Sagardighi, P.O.: Monigram, P.S.: Sagardighi, Murshidabad, Pin – 742237 (hereinafter shall be referred to as the industry) is a thermal power plant having four number of units with power generating capacity of 2 x 300 MW (Stage I: Unit no. 1 & 2) and 2 x 500 MW (Stage II: unit no. 3 & 4). The industry has 4 no. of boilers, 2 no. with steam generation capacity of 1025 MT/hr each and 2 no. with steam generation capacity of 1590 MT/hr each. Each boiler of the stage I is connected to separate ESP and a common stack of height 275 m from GL. Each boiler of stage II is connected to separate ESP and a common stack of height 275 m from GL.

AND WHEREAS, the industry has been inspected by the official of the West Bengal Pollution Control Board (hereinafter shall be referred to as the State Board) on 18.02.2019 and 19.02.2019. During inspection the following observations were made:

- Unit no. 1, 3 & 4 were in operation.
- For stage I the unit has 3 no. silos for storage of fly ash 1000 MT each. For stage 2, presently there is no silo. Construction for 3 no. silos for stage II are under construction and are at an advance stage of completion.
- There is an ash pond with bottom ash storage capacity of 120 lac tonnes designed for Stage I i.e. for unit no. 1 & 2. No ash pond has been constructed for unit no. 3 & 4 (stage II). Entire fly ash and bottom ash in slurry form are discharged into the ash pond designed for unit no. 1 & 2. The existing ash pond is half filled.
- The unit does not have any ETP for treatment of liquid waste generated from the process and its auxiliary units except one no. neutralizing pit and 1 no. corrugated plate interceptor.
- No STP has been installed for township and entire effluent of township is discharged directly to the canal through drain without any treatment. But individual residential blocks in township are provided with septic tank and soak pit.
- The yearly ash utilization is only 60 %.
- The unit has provision for ash pond recycling from the lagoon. The unit is recycling ash pond effluents but yet to recycle the rest of the effluent which is a violation of the EC condition.

AND WHEREAS, the industry was called for a hearing on 26.03.2019 for the above mentioned non-compliance of environmental norms as observed during inspection by the State Board official. The Executive Director (P & P) - WBPDCL, General Manager and other officials of the industry appeared in the hearing and agreed with the above mentioned observations. Representatives of the industry submitted that:

- Dry ash evacuation system for Stage II is expected to be ready July, 2019.
- Construction of ETP has been completed. Commissioning is under way.
- STP for the Township has been raised from the plant.
- No ground water is extracted in the plant or in the township.
- Cycle of concentration (COC) in cooling water is maintained at 5. Data shall be submitted.
- Testing for heavy metals in ground water done.
NOW THEREFORE, considering the above, M/s Sagardighi Thermal Power Project located at village: Monigram, Sagardighi, P.O.: Monigram, P.S.: Sagardighi, Murshidabad, Pin – 742237 is hereby directed as follows:

1. The industry shall start dry ash evacuation for Stage II (2 x 500 MW: unit no. 3 & 4) within July, 2019.
2. Till starting of dry ash evacuation system for Stage II, all ash to be discharged in the existing ash pond and the entire effluent to be recycled.
3. The industry shall take measures to control fugitive emission generated from handling of ash, ash pond and shall submit an action plan for minimization of the same.
4. The industry shall comply with the conditions stipulated in the Environmental Clearance and Consent to Establish and shall submit a copy of the EC compliance report to the State Board.
5. The industry shall ensure 100 % fly ash utilization and shall submit a report on monthly basis.
6. ETP for the process effluent to be commissioned within June, 2019.
7. The industry shall submit an action plan for installation of STP for the township.
8. The industry shall submit the action taken report for achieving zero discharge plant.
9. The industry shall submit point wise compliance of the notification S.O. 3305(E) dt. 07.05.2015, notified by MoEF&CC, GoI.
10. In case of failure to comply with the abovementioned notification S.O. 3305(E) dt. 07.05.2015, issued by MoEF&CC, GoI, the industry shall submit a time bound action plan for the compliance of the said notification.
11. The industry shall execute a Bank Guarantee (proforma enclosed) of Rs. 24,00,000/- (Rupees twenty four lakhs) only, valid for twelve (12) months within fifteen [15] days from the date of issuance of this direction in favour of the WEST BENGAL POLLUTION CONTROL BOARD (Corporation Bank IFSC Code CORP 0000663) as an assurance for compliance with the above mentioned directions and for ensuring compliance of the environmental norms.

The Environmental Engineer, Malda Regional Office of the Board is requested to keep a strict vigil on the industry. In case of any further noncompliance, the Board will take strict regulatory action like closure with disconnection of electricity of the industry and may forfeit the Bank Guarantee.

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

By Order,

Sd/-
Chief Engineer
Operation & Execution Cell
West Bengal Pollution Control Board