WHEREAS, M/s Super Smelters Ltd. (Unit-III) (hereinafter referred to as the industry) is a sponge iron and ferro alloy industry located at Jamuria Industrial Estate, P.O.- Ikhra, P.S.- Jamuria, Dist.- Burdwan, Pin – 713362.

AND WHEREAS, a complaint was received from local authorities as well as from residents of surrounding villages against the sponge iron and ferro alloy industries situated at Jamuria, Burdwan alleging severe air pollution, especially during night hours, in the surrounding area.

AND WHEREAS, the industry is having 2X100 TPD and 2X300 TPD Rotary Kilns, 2X9 MVA Submerged Electric Arc Furnaces (SEAFs) & 2X25MT Induction Furnaces with Concast and Rolling mills, 2X38 TPH & 2X10 TPH WHRBs and 35 TPH AFBC. The 2X100 TPD Rotary Kilns are provided with individual ESP, bag filters and individual stack of height 36m from G.L., 2X300 TPD Rotary Kilns are provided with individual ESP, ID Fan and individual stack of height 70m from G.L., the SEAFs are provided with spark arrester, bag filter and stack of height 30m from G.L., induction furnaces are equipped with spark arrester, bag filter and stack of height 30m from G.L., the AFBC boiler is provided with ESP and connected to a stack of height 60m from G.L. Installation of an additional 110 TPH Circulating Fluidized Bed Boiler (CFBC) with its APCD has been completed.

AND WHEREAS, inspection of the industry was carried out by the WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) on 26/03/2014 during night time. During inspection all the units excepting 1X300 TPD Rotary Kiln were found in operation. High visible emission was noticed through the stack attached to SEAFs. Similar observation was made during inspection on 07/01/2014. Huge fugitive emission is frequently observed from the ferro alloy section. The capacity of ash storage silos for boilers were also found to be inadequate. The stack monitoring was conducted during inspection on 20/12/2013 for the stack attached to SEAF #1 and the result shows PM value 245.72 mg/Nm$^3$ which is beyond the permissible limit of 150 mg/Nm$^3$. During effluent sampling on 19/12/2013, the analysis report shows that the industry failed to meet the liquid effluent discharge standard (TSS-262.00 mg/l, COD-544.80 mg/l & BOD-130.00 mg/l).

AND WHEREAS, the inspecting officials met the complainants during visit to Jamuria on 02/04/2014 and the complainants had expressed their dissatisfaction over poor environment management by the sponge iron and ferro alloy industries operating at Jamuria. It was also observed by the Board officials during several inspections that the industries having Captive Power Plants were disposing ash at open area within and outside the Jamuria Industrial Estate.

AND WHEREAS, the Consent to Operate for 2X300 TPD Rotary kilns, 2X9 MVA SEAFs and 24 MW Captive Power Plant is valid up to 31/01/2016. The Consent to Operate for 2X100 TPD Rotary Kilns and 2X25 MT Induction Furnaces was valid up to 31/03/2015. The industry has applied first time for Consent to Operate for its 29 MW CFBC based 110 TPH CPP on 24/02/2014.
AND WHEREAS, the industry was called for a technical hearing on 25/04/2014 at the head office
of the Board due to violation of environmental norms as recorded above.

AND WHEREAS, during hearing the representatives of the industry appearing in the hearing
agreed with the above mentioned observations of the Board. They submitted that they have started
using high quality bags in bag filters for effective functioning of APCD and have replaced the
compressor for cleaning of filter bags. They mentioned that they are planning to control tap hole
emission by installing ducting system which will be connected to the bag house. They stated that
earlier they had disposed ash generated from the plant into the abandoned coal mines, but now a
brick manufacturing plant has been installed within the industry premises and bricks are being
produced using the ash. They also submitted that they would install effluent treatment plant
consisting of a settling tank with chemical dosing facility, clarifier and treated effluent holding tank
for treatment of effluent generated from various sections. The settling tank with chemical dosing
facility has been installed and the effluent after proper settling is reused for gardening and
sprinkling purpose.

NOW THEREFORE, considering the non-compliance observed during night inspection by the
Board officials and public complaints against the sponge iron and ferro alloy industries, the Board
hereby directs M/s Super Smelters Ltd. (Unit-III) located at Jamuria Industrial Estate, P.O.-
Ikhra, P.S.- Jamuria, Dist.- Burdwan, Pin – 713362 as follows:

1. That, the industry shall always operate with proper functioning of pollution control systems for
   compliance with the particulate emission standard for all unit operations in the plant.

2. That, the industry shall take necessary measures to minimize the fugitive emission as well as
   stack emission at the ferro alloys section.

3. That, the industry shall store the dolo char, coal fines and iron fines under shed by covering
   with polythene sheet or tarpaulin

4. That, the industry shall install additional ash storage silo to prevent dispersion of dry ash in the
   surrounding villages.

5. That the industry shall complete the installation of the effluent treatment plant at the earliest

6. That, the industry shall comply with all the directives issued by the Board vide Memo No.
   1044-4A/WPB/CE-II/GEN/2008 dated 01/06/2012.

7. That, the industry should submit a Bank Guarantee (proforma enclosed) of Rs.10,00,000/- (Ru-
   pees Ten Lakhs) only, valid for twelve [12] months within fifteen [15] days from the date of is-
   suance of this order in favour of the WEST BENGAL POLLUTION CONTROL BOARD as
   an assurance to comply with the above directions.

8. That, the industry shall comply with the Directions as mentioned in Sl No 2 to 6 within 30th
   September 2014.

The Environmental Engineer, Asansol Sub-Regional Office of the Board is requested to conduct an
inspection of the industry to assess and verify the measures taken for compliance by the industry. If
the industry is again found to be non-complying, the Board may take stricter regulatory action
against the industry.
This direction is issued in exercise of the powers conferred under provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986 and Rules made thereunder as amended, after being approved by the competent authority.

By Order,

Sd/-

Chief Engineer

Operation & Execution Cell

West Bengal Pollution Control Board