



Government of West Bengal

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Sibansu Mukherjee

Authorised Signatory
(E-signed)
Department of IT&E



WEST BENGAL POLLUTION CONTROL BOARD
Paribesh Bhawan, 10A, Block LA, Sector III
Salt Lake City, Bidhan Nagar, Kolkata – 700 106, INDIA
 Website : www.wbpcb.gov.in, e-mail : wbpcbnet@wbpcb.gov.in

Category of the Industry : RED

Application Type: CTO

CTO No.: WBPCB/5049699/2024

Date : 09/07/2024

Consent to Operate (CTO) under Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended.

Reference: Application No.: 5049699

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the Air (Prevention and control of Pollution) Act, 1981 as amended, and Rules and Orders made thereunder hereby grants Consent to **MAAN STEEL & POWER LIMITED** (hereinafter referred to as Applicant) for its unit located at **JL NO. - 38, PLOT NO. - 58, 59, 50/2039, 58/2041, 120, WARD NO. - 9, JAMURIA INDUSTRIAL ESTATE, MOUZA - IKRA, P.O. - NANDI, P.S. - JAMURIA, PASCHIM BARDHAMAN - 713362** for the period from **09/07/2024 to 08/01/2025** to operate the industrial unit/project and to discharge liquid effluent and gaseous emission from the premises / land of the industrial unit/project, in accordance with the conditions as mentioned below, provided that on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in this consent letter and in the Environment (Protection) Act, 1986 and Rules thereunder, as amended.

Breach of the conditions and / or failure to comply with the directions as mentioned below shall render the industry/project liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the Air (Prevention and control of Pollution) Act, 1981 as amended.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the industry.

Conditions :

- 1 This Consent is valid for the following activities :

Sl.No	Name of Activity/Products/By-products	Production Capacity (Per Month)
1	SPONGE IRON	60000 Metric Tonnes/Year
2	M S BILLET	63000 Metric Tonnes/Year

- 2 The industry shall remain responsible for quantity and quality of liquid effluent and air emission.
- 3 Daily waste water generation and discharge shall not exceed :

No. of outlets	Source of Waste Water	Quantity in Kilo Liters/day	Place of discharge

- 4 To bring into any altered or new outlet / outfall or to change the place of discharge, the industry shall have to inform the Board and obtain prior permission of the Board in this effect.
- 5 The industry shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given below:

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Outlet No.	Nature of effluent	Parameters and standard			Frequency of sampling
		Parameters	Standards	Unit	

Provisions shall be made to install sensor-based Water Quality monitoring system and flow meter to share the information with the state board on a Real Time basis.

- 6 Daily water consumption for the following purposes shall not exceed

SL NO.	Purpose of Water Use	Quantity (KL/Day)
1.	Domestic	5.0
2.	Industrial	145.0

- 7 The Industry shall install suitable digital device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board. The device shall be able to provide information to disseminate the quantity on a real time basis.
- 8 All the stacks connected to various sources of emissions must be designated by numbers.
- 9 The industry shall install comprehensive pollution control equipment and operate and maintain the same to conform to the standard as given below:



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Stack height from ground level (m)	Stack attached to emission sources	Capacity of emission source	Cons up-Unit	Fuel details		Control system(if any)	Concentrations of parameters not to exceed						Frequency of sampling	Remarks
				Fuel used	Quantity		PM(mg/Nm ³)	CO(%)	Acid Mist(mg/Nm ³)	Pb(mg/Nm ³)	SO ₂ (mg/Nm ³)	NOX(mg/Nm ³)		
28		200	Metri c Tonne s/Day	NA	0 Metri c Tonne s/Day	Bag Filter	30						Quart erly	
30	Cooler exit	200	Metri c Tonne s/Day	NA	0 Metri c Tonne s/Day	Bag Filter	30						Quart erly	Bag Filter comm on with existi ng 1x200 TPD DRI Kiln
45	Kilns	200	Metri c Tonne s/Day	Coal	81000 Metri c Tonne s/Year	GCT & ESP	30						Quart erly	
30		200	Metri c Tonne s/Day	NA	0 Metri c Tonne s/Day	Bag Filter	30						Quart erly	
28		200	Metri c Tonne s/Day	NA	0 Metri c Tonne s/Day	Bag Filter	30						Quart erly	
28		200	Metri c Tonne s/Day	NA	0 Metri c Tonne s/Day	Bag Filter	30						Quart erly	
9.50		200	Metri c Tonne s/Day	NA	0 Metri c Tonne s/Day		30						Quart erly	
30	Induct ion furnac e	20	Metri c Tonne	ELEC TRICI TY	6 Mega watt	Bag Filter	30						Quart erly	

10 The industry shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform etc. for monitoring / sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorized agencies.

11 Waste generation, treatment and disposal shall be as specified below :

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S.No	Description of Waste	Quantity	Treatment and Disposal
1	WET SCRAPPER SLUDGE	1850 Metric Tonnes/Year	WILL BE SENT TO FLY ASH / BLOCK BRICK MANUFACTURING UNIT
2	DOLOCHAR	16200 Metric Tonnes/Year	WILL BE USED IN AFBC
3	IRON ORE FINES	16040 Metric Tonnes/Year	WILL BE SOLD TO PELLET PLANTS
4	COAL FINES	8775 Metric Tonnes/Year	WILL BE USED IN DRI INJECTION
5	KILN ACCRETION	1190 Metric Tonnes/Year	WILL BE USED IN INTERNAL ROAD CONSTRUCTION / REPAIR
6	IF BAG FILTER DUST	2325 Metric Tonnes/Year	WILL BE SOLD TO PELLET PLANTS
7	SCALE	1250 Metric Tonnes/Year	WILL BE GIVEN TO NEARBY FERRO OR SINTER PLANT
8	END CUT / REJECT	1750 Metric Tonnes/Year	WIBE RE-USED AS SCRAP IN IF
9	IF SLAG	9250 Metric Tonnes/Year	AFTER METAL RECOVERY (APPROX 10%) REMAINING SLAG SHALL BE CRUSHED AND WILL BE USED IN AGREGGATES

The Industry shall obtain Authorisation for waste and also register for EPR wherever applicable.

- 12 The industry shall take adequate measures for control of noise level from its own sources within the premises within the limit given below :

Time	Limit in dB (A) Leq
Day time (06 a.m. to 10 p.m.)	65
Night time (10 p.m. to 06 a.m.)	55

Noise barriers should be installed if the Noise Level is found to be exceeding the desired levels.

- 13 The industry shall at all times maintain good house-keeping and control pollution (including fugitive emissions) from all sources to maintain clean environment in & around factory premises and in surrounding areas.
- 14 The Industry shall bring about at least 33% of the total land area under the tree cover.
- 15 The Industry shall provide sufficient alternate electric power source like Green DG or Storage Battery System etc. to operate all pollution control facilities. In absence of such alternate power source, the production shall be stopped/controlled to conform to the conditions of the Consent.
- 16 The industry shall install a separate energy meter showing the consumption of energy for operation of pollution control devices and shall install suitable device for measuring the volume of water consumed for different purposes as mentioned in SI.No. 3.
- 17 The Industry shall provide drainage system for discharge of industrial and domestic effluent and a separate drainage system for storm-water.
- 18 The industry shall maintain a separate register showing consumption of chemicals used in pollution control systems.
- 19 The Industry shall get the samples of hazardous wastes / leachates analysed at least once in a year from a laboratory recognised by the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.

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- 20 The Industry shall submit the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form V) as required under the provisions of Rule 14 of the Environment (Protection) [Second Amendment] Rules 1992 by 30th September of every year, to the WBPCB.
- 21 The Industry shall allow the officers of the State Board to enter into the premises of the unit at any reasonable time to inspect the pollution control systems and shall provide adequate and safe facility for collection of air, wastewater and solid waste samples for monitoring by the State Board as well as by authorized agencies of the State Board, as and when required by them.
- 22 The industry shall maintain an Inspection Book in the factory premises which shall be made available to inspecting officers of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection.
- 23 The Industry shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emission.
- 24 The Industry shall maintain adequate number of qualified and trained personnel among its staff for proper maintenance and operation of the effluent treatment and/or emission control devices and for overall environment management of the industry.
- 25 The Industry shall have to make registration for the use of groundwater if any, with State Water Investigation Directorate (SWID).
- 26 The Industry shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quantity as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The Applicant shall (i) take all steps adequate to prevent such accident discharge / release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
- 27 If the Industry is using Diesel Generator set or generating any other hazardous waste, it should install a Digital Display Board to discriminate all information as stipulated in this regard.
- 28 The industry shall make an application to the State Board in the prescribed form for renewal of the consent at least 120 (one hundred & twenty) days before the date of expiry of this Consent.
- 29 The industry shall not make any alteration / expansion / modification in the existing manufacturing process and equipment, pollution control system and shall not alter or bring in any new outlet/outfall or stack or change the place of discharge, without prior approval of the Board.
- 30 The industry shall comply with all applicable Environmental Acts and Rules.
- 31 The Industry shall comply with the provisions of relevant Waste Management Rules and also submit Annual Returns / Manifests on regular basis.
- 32 Concealing factual data or submission of false or fabricated data/information may result in revocation of Consent to Operate and attract action under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.

Special Conditions:

1. The unit shall install WHRB with the 200 TPD DRI Kiln within six months from the date of issue of this Consent to Operate.
2. The unit shall operate the DRI Kiln with GCT followed by ESP ensuring no emission from the kiln and causing no air pollution till installation of the WHRB based CPP.
3. The extension of validity of the Consent to Operate will be considered after installation of the WHRB based CPP.
4. Dolochar generated shall be utilized in AFBC boilers of other units till installation of the AFBC boiler.
5. The unit shall maintain zero liquid effluent discharge.

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6.The conditions imposed in the Environmental Clearance issued by MoEF & CC dt. 20.02.2024 and Consent to Establish issued by the State Board dt. 28.03.2024 shall be strictly complied with.

Any violation of the aforesaid conditions shall entail cancellation of this Consent for Operate.

For and on behalf of West Bengal Pollution Control Board

R. Sinha

09/07/2024

**Senior Environmental Engineer
Operation & Execution Cell**

**Sr. Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell**



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Lifestyle for
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Memo No.

1179 - WPBA/Red(BWN)/Cont(667)/10

Date: 14 .10.2025

To

M/s. Maan Steel & Power Limited
Maanheruka House,
58/1 Sarat Bose Road, Kolkata-700025.

Kind Attn:- Sri Shagun Agarwal, Director

Sub: Validity extension of Consent to Operate (CTO no. WBPCB/5049699/2024) dated 09.07.2024 issued by the State Board.

Ref: i. Your letter no. NIL dated 25.02.2025.
ii. Inspection carried by WBPCB dated 11.09.2025.

Sir,

With reference to the above this is to inform you that validity of Consent to Operate (CTO no. WBPCB/5049699/2024) dated 09.07.2024 issued by the Board is hereby extended up to 30.09.2028. All other terms and conditions as mentioned in the said Consent to Operate certificate shall remain unchanged.

Thanking you


14/10/2025

Chief Engineer (EIM Cell)

