



CHHATTISGARH ENVIRONMENT CONSERVATION BOARD
Paryavas Bhawan, North Block, Sector - 19,
Nava Raipur Atal Nagar, District - Raipur (C.G.)
e-mail - hocecb@gmail.com

No. **6270/TS/CECB/2022**

Nava Raipur Atal Nagar Raipur, dated **09/12/2022**

To,

MSP Sponge Iron Limited,
Village-Manuapali,
Post-Jamgaon,
District-Raigarh (C.G.)

Sub.: - Amendment in Consent to Operate issued under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 for Submerged Arc Furnace (2x7.5 MVA + 1x9 MVA) to produce Pig Iron or Ferro Alloys production of capacity 59,012 Metric Tonnes/Year on the basis of 'No increase in pollution load' certificate under para 7(ii)c of EIA Notification, 2006 (as amended).

- Ref.: - 1. Permission to establish (1) Ferro Alloys Plant for production of Ferro Manganese – 11,483 Metric Tonnes Per Year and Silico Manganese – 15,174 Metric Tonnes Per Year (by submerged arc furnace of capacity 2 x 7500 KVA) and (2) Coal and Char Based Captive Power Plant – 12 Megawatt issued vide letter no. 1492/TS/CECB/2005, Raipur dated: 01/04/2005.
2. Consent of the Board issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 1859/TS/CECB/2007 Raipur, dated: 13/04/2007 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 1861/TS/CECB/2007 Raipur, dated: 13/04/2007 for Ferro Manganese – 5741 MTPA & Silico Manganese 7587 MTPA.
 3. Amendment in consent issued under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 5609/TS/CECB/2007 Raipur, dated: 09/10/2007 for 2nd furnace (1x7500 KVA and Coal and Char Based Captive Power Plant – 12 MW.
 4. Environmental Clearance issued by Ministry of Environment and Forests, Government of India vide letter no. J-11011/178/2010-IA II (I) dated: 23/08/2012 for Ferro Alloys Unit – 5x9 MVA Submerged Electric Arc Furnace (Si-Mn 84,474 TPA and Fe-Mn 1,03,958 TPA) and Captive Power Plant – 62 MW.
 5. Permission to establish for expansion in existing plant for installation of Ferro Alloys Plant (5x9 MVA Submerged Electric Arc Furnace) for Manufacturing of Silico Manganese – 60,000 Tonnes Per Annum and

Ferro-Manganese – 92,475 Tonnes Per Annum and Coal Based Captive Power Plant of Capacity – 50 Megawatt issued vide letter no. 6918/TS/CECB/2013, Raipur dated: 02/03/2013.

6. Consent of the Board issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 2998/TS/CECB/2014 Raipur, dated: 21/08/2014 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 3000/TS/CECB/2014 Raipur, dated: 21/08/2014 for Ferro Alloys Plant (1x9 MVA Submerged Electric Arc Furnace) Silico Manganese – 13,860 Tonnes Per Annum and Ferro Manganese – 18,495 Tonnes Per Annum.
7. Environmental Clearance issued by Ministry of Environment and Forests, Government of India vide letter no. J-11011/178/2010-IA II (I) dated: 07/08/2019 for Ferro Alloys Unit with 5x9 MVA submerged electric arc furnaces (Si-Mn – 84,474 TPA, Fe-Mn – 1,03,958 TPA) and Captive Power Plant of 62 MW (including existing 12 MW power plant) under para 7(ii) of EIA Notification 2006 for change in product mix for manufacturing of Fe-Cr (64,043 TPA) along with Si-Mn & Fe-Mn.
8. Extension in Environmental Clearance issued by Ministry of Environment and Forests, Government of India vide letter no. J-11011/178/2010-IA II (I) dated: 29/01/2022 for Ferro Alloys Unit with 5x9 MVA submerged electric arc furnaces (Si-Mn – 84,474 TPA, Fe-Mn – 1,03,958 TPA) and Captive Power Plant of 62 MW (including existing 12 MW power plant).
9. Renewal of consent under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 9638/TS/CECB/2022 Nava Raipur Atal Nagar Raipur, dated: 31/03/2022 for Ferro Manganese – 11,483 TPA & Silico Manganese (from 2x7500 KVA Submerged Arc Furnace) – 15,174 TPA and Coal and Char Based Captive Power Plant – 12 MW which has been valid upto 31/03/2025.
10. Renewal of consent under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 3410/TS/CECB/2022 Nava Raipur Atal Nagar Raipur, dated: 10/08/2022 for Ferro Alloys Plant (1x9 MVA Submerged Electric Arc Furnace) Silico Manganese – 13,860 Tonnes Per Annum and Ferro Manganese – 18,495 Tonnes Per Annum which has been valid upto 31/07/2025.
11. Your online application No. 9972682, dated: 12/05/2022 and subsequent correspondence ending dated: 22/10/2022.

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Chhattisgarh Environment Conservation Board had granted permission to establish for (1) Ferro Alloys Plant for production of Ferro Manganese – 11,483 Metric Tonnes Per Year and Silico Manganese – 15,174 Metric Tonnes Per Year (by submerged arc furnace of capacity 2 x 7500 KVA) and (2) Coal and Char Based Captive Power Plant – 12 Megawatt issued vide letter no. 1492/TS/CECB/2005, Raipur dated: 01/04/2005. subject to fulfillment of the terms and conditions mentioned in the consent letter.

Thereafter, Board had issued consent to operate under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 1859/TS/CECB/2007 Raipur, dated: 13/04/2007 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 1861/TS/CECB/2007 Raipur, dated: 13/04/2007 for Ferro Manganese – 5741 MTPA & Silico Manganese 7587 MTPA.

Further, Board had granted amendment in consent under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 5609/TS/CECB/2007 Raipur, dated: 09/10/2007 for 2nd furnace (1x7500 KVA and Coal and Char Based Captive Power Plant – 12 MW).

Ministry of Environment and Forests, Government of India had granted Environmental Clearance issued vide letter no. J-11011/178/2010-IA II (I) dated: 23/08/2012 for Ferro Alloys Unit – 5x9 MVA Submerged Electric Arc Furnace (Si-Mn 84,474 TPA and Fe-Mn 1,03,958 TPA) and Captive Power Plant – 62 MW.

Permission to establish for expansion in existing plant for installation of Ferro Alloys Plant (5x9 MVA Submerged Electric Arc Furnace) for Manufacturing of Silico-Manganese – 69,300 Tonnes Per Annum and Ferro-Manganese – 92,475 Tonnes Per Annum and Coal Based Captive Power Plant of Capacity – 50 Megawatt was issued vide letter no. 6918/TS/CECB/2013, Raipur dated: 02/03/2013.

Further, Board had issued consent to operate under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 2998/TS/CECB/2014 Raipur, dated: 21/08/2014 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 3000/TS/CECB/2014 Raipur, dated: 21/08/2014 for Ferro Alloys Plant (1x9 MVA Submerged Electric Arc Furnace) Silico Manganese – 13,860 Tonnes Per Annum and Ferro Manganese – 18,495 Tonnes Per Annum.

Thereafter, Ministry of Environment and Forests, Government of India had amended Environmental Clearance vide letter no. J-11011/178/2010-IA II (I) dated: 07/08/2019 for Ferro Alloys Unit with 5x9 MVA submerged electric arc furnaces (Si-Mn – 84,474 TPA, Fe-Mn – 1,03,958 TPA) and Captive Power Plant of 62 MW (including existing 12 MW power plant) under para 7(ii) of EIA Notification 2006 for change in product mix for manufacturing of Fe-Cr (64,043 TPA) along with Si-Mn & Fe-Mn.

Further, Ministry of Environment and Forests, Government of India had Extended validity of Environmental Clearance vide J-11011/178/2010-IA II (I) dated: 29/01/2022 for Ferro Alloys Unit with 5x9 MVA submerged electric arc furnaces (Si-Mn – 84,474 TPA, Fe-Mn – 1,03,958 TPA) and Captive Power Plant of 62 MW (including existing 12 MW power plant).

Further, Board has renewed consent under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 9638/TS/CECB/2022 Nava Raipur Atal Nagar Raipur, dated: 31/03/2022 for Ferro Manganese – 11,483 TPA & Silico Manganese (from 2x7500 KVA Submerged Arc Furnace) – 15,174 TPA and Coal and Char Based Captive Power Plant – 12 MW which has been valid upto 31/03/2025.

Further, Board has renewed consent under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 3410/TS/CECB/2022 Nava Raipur Atal Nagar Raipur, dated: 10/08/2022 for Ferro Alloys Plant (1x9 MVA Submerged Electric Arc Furnace) Silico Manganes – 13,860 Tonnes Per Annum and Ferro Manganes – 18,495 Tonnes Per Annum which has been valid upto 31/07/2025.

Now, industry has submitted online application for obtaining consent of the Board under section Amendment in Consent to Operate issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 for Submerged Arc Furnace (2x7.5 MVA + 1x9 MVA) to produce Pig Iron or Ferro Alloys production of capacity 59,012 Metric Tonnes/Year on the basis of 'No increase in pollution load' certificate under para 7(ii)c of EIA Notification, 2006 (as amended). vide online application No. 9972682, dated: 12/05/2022 and subsequent correspondence ending dated: 22/10/2022.

Regional Officer, Chhattisgarh Environment Conservation Board, Raigarh has informed that industry has provided adequate pollution control arrangement for Submerged Arc Furnace (2x7.5 MVA + 1x9 MVA) to produce Pig Iron or Ferro Alloys production of capacity 59,012 Metric Tonnes/Year Regional Officer, Chhattisgarh Environment Conservation Board, Raigarh has recommended for grant of Amendment in Consent to Operate issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 for Submerged Arc Furnace (2x7.5 MVA + 1x9 MVA) to produce Pig Iron or Ferro Alloys production of capacity 59,012 Metric Tonnes/Year on the basis of 'No increase in pollution load' certificate under para 7(ii)c of EIA Notification, 2006 (as amended).

Industry has submitted (1) No Increase in Pollution Load Certificate from the Environmental Auditor M/s Vardan Enironet at Plot No. 28-A, Sector-5, IMT Manesar, Gurgaon-122051, Haryana (NABET Accredited) (2) Last renewal of consent Certificate (3) Online system generated Acknowledgement of uploading of intimation and "No Increase in Pollution Load" certificate as per the provisions of the notification.

Ministry of Environment, Forests and Climate Change, Government of India has amended EIA Notification S.O. 1533(E) dated 14/09/2006 vide Notification S.O. 980(E) dated 02/03/2021 and as per this Notification..... '(b) Existing projects (having Prior Environmental Clearance) with no increase in pollution load: Any increase in production capacity in respect of processing or production or manufacturing sectors (listed against item numbers 2,3, 4 and 5 in the Schedule to this notification) with or without any change in (i) raw material- mix or (ii) product-mix or (ii) quantities within products or (ii) number of products including new products falling in the same category or (iv) configuration of the plant or process or operations in existing area or in areas contiguous to the existing area (for which prior environmental clearance has been granted) shall be exempt from the requirement of Prior Environmental Clearance provided that there is no increase in pollution load (derived on the basis of such Prior Environmental Clearance).....

The facts submitted by the industry have been examined. After careful consideration of the facts & materials in record and in the view of the above consent reference no. 09 and 10 is hereby amended for Submerged Arc Furnace (2x7.5 MVA

+ 1x9 MVA) to produce Pig Iron or Ferro Alloys production of capacity 59,012 Metric Tonnes/Year on the basis of 'No increase in pollution load' certificate under para 7(ii)c of EIA Notification, 2006 (as amended) subject to the fulfillment of terms and conditions mentioned in consent letter and following additional terms & conditions:-

The consent shall be valid for production capacity of: -

Name of Product	Production Capacity
Pig Iron or Ferro Alloys From existing (2x7.5 MVA + 1x9 MVA) Submerged Arc Furnace	59,012 Metric Tonnes/Year (Fifty Nine Thousand Twelve Metric Tonnes per Annum)

- (1) The consent amendment shall be valid for a period of one year from the date of issue of this letter for Pig Iron - 59,012 Metric Tonnes/Year From existing (2x7.5 MVA + 1x9 MVA) Submerged Arc Furnace.
- (2) Total production capacity of Ferro Alloys - 59,012 Metric Tonnes/Year is inclusive of 1. Ferro Alloys Plant (1x9 MVA Submerged Electric Arc Furnace) Silico Manganese – 13,860 Tonnes Per Annum and Ferro Manganese – 18,495 Tonnes Per Annum for which renewal of consent under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 was issued vide letter no. 3410/TS/CECB/2022 Nava Raipur Atal Nagar Raipur, dated: 10/08/2022 and 2. Ferro Manganese – 11,483 TPA & Silico Manganese (from 2x7500 KVA Submerged Arc Furnace) – 15,174 TPA for which renewal of consent under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 was issued vide letter no. 9638/TS/CECB/2022 Nava Raipur Atal Nagar Raipur, dated: 31/03/2022.

Additional Conditions

A. Water (Prevention and Control of Pollution) Act, 1974

1. Industry shall provide adequate facility for proper treatment of industrial and domestic effluent generated. Industry shall ensure that the treated effluent quality meet the standards prescribed by Board published in Gazette Notification dated 25/03/88. Industry shall provide proper arrangement of suitable drains/pipe networks to ensure adequate flow for full utilization of treated effluent generated inside the premises. Treated effluent shall be utilized either in process or for land application only. No effluent shall be discharged outside of the factory premises in any circumstance i.e. zero discharge condition shall be maintained all the time.
2. Industry shall ensure maximum reuse of non-potable water.
3. Industry shall submit appraisal report for usage of water from competent authority.
4. Industry shall install separate digital meter for measurement of both & surface & ground water used.

5. Industry shall ensure transportation of coal through mechanically covered vehicle on or before 12/07/2023. Mean while transportation of coal shall be carried out through safely and securely covered with tarpaulin or any other suitable materials.
6. All the industrial solid wastes such as slag, dust collected from APCD, fines, sludge etc. shall be disposed off in environment friendly manner as per rule.
7. All the domestic solid wastes such as manure, garbage, plastic etc. shall be disposed off in environment friendly manner as per rule.
8. All the internal roads shall be maintained pucca. Roads shall be cleaned regularly. Dust, muck and sludge collected from roads shall be disposed properly.
9. Industry shall submit performance test of all pollution control equipments report carried out by NIT, IIT, (IoR) every year.
10. Industry shall submit compliance report of EC / CTE / CTO conditions of all the units verified by third party every year.
11. Industry shall comply with the provision of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. (as amended upto date)
12. Chhattisgarh Environment Conservation Board may further stipulate stringent limit depending upon environmental conditions.
13. Extensive in tree plantation shall be carried out in the open areas available within and around the plant premises in the current monsoon season. Fruit bearing species like mango, tamarind, guava etc. shall be given preference in this regard.
14. Industry shall enhance capacity of rainwater-harvesting structure in the project area and residential area (if any) for recharge of ground water. The rainwater-harvesting technique shall be incorporated right from the design stage of all structures. Industry shall develop rainwater-harvesting structures to harvest the rainwater for utilization in the lean season as well as to recharge the ground water table.
15. Chhattisgarh Environment Conservation Board reserves the rights to revoke the consent / renewal of consent at any time for any violation/non-compliance.

B. Air (Prevention and Control of Pollution) Act, 1981

1. Industry shall ensure the continuous, proper and efficient working of air pollution control arrangements at all points and non point sources of emission. The emission of particulate matter from any point sources shall be maintained less than 35 mg/Nm³ all the time for Ferro Alloys Unit (Pig Iron Production). Chhattisgarh Environment Conservation Board may further stipulate stringent particulate matter emission limit depending upon environmental conditions. At no time the emission level should go beyond the prescribed standards. Gaseous emission shall be in the latest prescribed limit In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Gaseous emission shall be within latest prescribed limit.

2. Ambient air quality within industry premises shall be kept within latest prescribed standards.
3. Calibration and data validation shall be carried out of all CEMS and CAAQMS. Industry shall also ensure availability of real time data in CECB / CPCB server.
4. All the industrial solid wastes such as slag, dust collected from APCD, fines, sludge etc. shall be disposed off in environment friendly manner as per rule.
5. All the domestic solid wastes such as manure, garbage, plastic etc. shall be disposed off in environment friendly manner as per rule.
6. Industry shall submit compliance report of EC / CTE / CTO conditions of all the units verified by third party every year.
7. All the internal roads shall be maintained pucca. Roads shall be cleaned regularly. Dust, muck and sludge collected from roads shall be disposed properly.
8. Industry shall comply with the provision of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. (as amended upto date)
9. Industry shall submit performance test of all pollution control equipments report carried out by NIT, IIT, (IoR) every year.
10. Extensive in tree plantation shall be carried out in the open areas available within and around the plant premises in the monsoon season. Fruit bearing species like mango, tamarind, guava etc. shall be given preference in this regard.
11. Chhattisgarh Environment Conservation Board reserves the rights to revoke the consent / renewal of consent at any time for any violation/non-compliance.

Please acknowledge the receipt of this letter.

For & on behalf of
Chhattisgarh Environment Conservation Board

Member Secretary
Chhattisgarh Environment Conservation Board
Nava Raipur Atal Nagar, Raipur (C.G.)

Endt. No. **6271/TS/CECB/2022** Nava Raipur Atal Nagar Raipur, dated: **09/12/2022**

Copy to: -

Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Raigarh (C.G.). Please ensure compliance and report, if any condition/conditions are violated by the industry.

Sd/
Member Secretary
Chhattisgarh Environment Conservation Board
Nava Raipur Atal Nagar, Raipur (C.G.)