



File No.: IA-J-11011/366/2010-IA-II(IND-I)

Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division

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Dated 26/10/2025



To,

M/s. GIRIDHAN METAL PRIVATE LIMITED  
Premlata, 39, Shakespeare Sarani, 3rd Floor ,  
KOLKATA, WEST BENGAL, , 700017  
Email: giridhanmetal@gmail.com

**Subject: Amendment in EC Letter (EC File no. IA-J-11011/366/2010-IA-II(IND-I) dated 15.07.2024 Issued for Expansion of Integrated Steel Plant by M/s. Giridhan Metal Private Limited, located at Jamuria Industrial Estate, Village Ikra & Damodarpur, Tehsil Jamuria, District Paschim Bardhaman, West Bengal - Grant of EC Amendment-Reg.**

Sir/Madam,

This refers to your proposal IA/WB/IND1/549318/2025 dated 26.08.2025 along with the application in prescribed format - Form 4 (CAF, Form – I Part A, B and C) and Addendum EIA report seeking amendment in EC obtained from MoEF&CC vide F.No. IA- J-11011/366/2010-IA-II (I) dated 15.07.2024 w.r.t increase in the DRI production from 3,18,000 TPA to 3,88,000 TPA, replacement of one Electric Arc furnace with Submerged Arc Furnace and increase in the capacity of WHRB.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A1001WB5408870A
(ii) File No.	IA-J-11011/366/2010-IA-II(IND-I)
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	3(a) Metallurgical Industries (ferrous and non ferrous)
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Expansion of Integrated Steel Plant: Sponge Iron from 3,18,000 TPA to 9,12,000 TPA, MS Billets from 3,72,300 TPA to 4,96,500 TPA, Rolling Mill from 3,00,000 TPA to 4,00,000 TPA, Submerged Arc Furnace from 30,000 TPA (Fe-Mn/Si-Mn) to 82,300 TPA Fe-Mn or 56,200 TPA Si-Mn or

	56,200 Fe-Cr or 48,100 Si-Cr or 43,100 TPA Fe-Si or 82,300 TPA Pig Iron with proposed Electric Arc Furnace (25,000 TPA), Captive Power Plant (42 to 102 MW) including WHRB (21 to 81 MW) by additional installation of 60 MW WHRB
<b>(viii) Location of Project (District, State)</b>	PASCHIM BARDHAMAN, WEST BENGAL
<b>(ix) Issuing Authority</b>	MoEF&CC
<b>(x) EC Date</b>	07/10/2025
<b>(xi) Applicability of General Conditions</b>	NO
<b>(xii) Status of implementation of the project</b>	

2. The proposal was considered during 11<sup>th</sup> EAC (Industry-1) Meeting of 10<sup>th</sup> September, 2025, wherein after detailed deliberations, the committee recommended the proposal under the provisions of EIA Notification, 2006. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

### Details submitted by Project proponent

3. Environmental Clearance has been accorded from MoEFCC vide file no IA- J-11011/366/2010-IA-II(I) dated 15.07.2024 by M/s Giridhan Metal Private Limited for Expansion of Integrated Steel Plant: Sponge Iron from 3,18,000 TPA to 9,12,000 TPA, MS Billets from 3,72,300 TPA to 4,96,500 TPA, Rolling Mill from 3,00,000 TPA to 4,00,000 TPA, Submerged Arc Furnace from 30,000 TPA (Fe-Mn/Si-Mn) to 82,300 TPA Fe-Mn or 56,200 TPA Si-Mn or 56,200 Fe-Cr or 48,100 Si-Cr or 43,100 TPA Fe-Si or 82,300 TPA Pig Iron with proposed Electric Arc Furnace (25,000 TPA), Captive Power Plant (42 to 102 MW) including WHRB (21 to 81 MW) by additional installation of 60 MW WHRB, located at Jamuria Industrial Estate, Village Ikra & Damodarpur, Tehsil Jamuria, District Paschim Bardhaman, West Bengal.

4. Further NIPL, has been obtained for expansion of 3, 18,000 TPA sponge iron production to 3, 88,000 TPA vide Memo No.219-2N-29/2022 (E) dated 13.03.2025 regarding capacity enhancement by process optimization of 1 x 350 TPD + 1 x 600 TPD to 1 x 495 TPD & 1 x 630 TPD and the production increased by 70,000 MT/annum, The CTO for the same has been obtained vide CTO No. WBPCB/6657363/2025 dated 28.03.2025

5. The instant proposal is for seeking amendment in EC accorded by the Ministry vide IA- J-11011/366/2010-IA-II (I) dated 15.07.2024 w.r.t. increase in the DRI production from 3,18,000 TPA to 3,88,000 TPA, replacement of one Electric Arc furnace with Submerged Arc Furnace and increase in the capacity of WHRB as detailed in enclosed **Annexure**.

6. **Justification for amendment in EC:** PP reported that they have decided to seek amendment to regularize the increase in DRI production capacity from 3,18,000 TPA to 3,88,000 TPA obtained through NIPL issued by West Bengal Pollution Control Board (WBPCB) dated 08.04.2021. Further, the PP proposes the replacement of one 1x 10 MT EAF with 1 x 9 MVA SAF specifically for Silico Chrome production, resulting in the decommissioning of the said 1x10 MT EAF. Additionally, improvements in process efficiency for waste heat recovery have led to an enhancement in the capacity of the Waste Heat Recovery Boiler (WHRB) from 81 MW to 99 MW.

7. The EAC, in its 11<sup>th</sup> EAC (Industry-1) Meeting – 10<sup>th</sup> September, 2025, inter-alia, deliberated the following:

i. M/s. Giridhan Metal Private Limited has been accorded Environmental Clearance from MoEFCC vide file no IA- J-11011/366/2010-IA-II(I) dated 15.07.2024 for Expansion of Integrated Steel Plant: Sponge Iron from 3,18,000 TPA to 9,12,000 TPA, MS Billets from 3,72,300 TPA to 4,96,500 TPA, Rolling Mill from 3,00,000 TPA to 4,00,000 TPA, Submerged Arc Furnace from 30,000 TPA (Fe-Mn/Si-Mn) to 82,300 TPA Fe-Mn or 56,200 TPA Si-Mn or

56,200 Fe-Cr or 48,100 Si-Cr or 43,100 TPA Fe-Si or 82,300 TPA Pig Iron with proposed Electric Arc Furnace (25,000 TPA), Captive Power Plant (42 to 102 MW) including WHRB (21 to 81 MW) by additional installation of 60 MW WHRB.

ii. Further NIPL, has been obtained for expansion of 3, 18,000 TPA sponge iron production to 3, 88,000 TPA vide Memo No.219-2N-29/2022 (E) dated 13.03.2025 regarding capacity enhancement by process optimization of 1 x 350 TPD + 1 x 600 TPD to 1 x 495 TPD & 1 x 630 TPD and the production increased by 70,000 MT/annum, The CTO for the same has been obtained vide CTO No. WBPCB/6657363/2025 dated 28.03.2025.

iii. The instant proposal is for seeking amendment in EC accorded by the Ministry vide IA- J-11011/366/2010-IA-II (I) dated 15.07.2024 w.r.t increase in the DRI production from 3,18,000 TPA to 3,88,000 TPA, replacement of one Electric Arc furnace with Submerged Arc Furnace and increase in the capacity of WHRB as detailed in relevant para above.

iv. The PP reported that they have decided to amend the proposal to regularize the increase in DRI production capacity from 3,18,000 TPA to 3,88,000 TPA, through NIPL issued by West Bengal Pollution Control Board (WBPCB) dated 08.04.2021. Further, the PP proposes the replacement of one 1x 10 MT EAF with 1 x 9 MVA SAF specifically for Silico Chrome production, resulting in the decommissioning of the said 1x10 MT EAF. Additionally, improvements in process efficiency for waste heat recovery have led to an enhancement in the capacity of the Waste Heat Recovery Boiler (WHRB) from 81 MW to 99 MW.

v. The EAC deliberated on the amendments sought by the Project Proponent and found the justifications to be technically valid. In view of the above, the Committee agreed to the amendments as proposed by the Project Proponent.

vi. The EAC deliberated on the written submission of the project proponent and found it satisfactory.

#### **Recommendations of the Committee:**

8. After deliberations, the Committee recommended for amendment in Environment Clearance accorded by the Ministry vide IA- J-11011/366/2010-IA-II (I) dated 15.07.2024 w.r.t increase in the DRI production from 3,18,000 TPA to 3,88,000 TPA, replacement of one Electric Arc furnace with Submerged Arc Furnace and increase in the capacity of WHRB as detailed in relevant paragraph. The other terms and conditions of the EC letter dated 15.07.2024 shall remain the same.

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decides to grant amendment in Environment Clearance accorded by the Ministry vide IA- J-11011/366/2010-IA-II (I) dated 15.07.2024 w.r.t increase in the DRI production from 3,18,000 TPA to 3,88,000 TPA, replacement of one Electric Arc furnace with Submerged Arc Furnace and increase in the capacity of WHRB as detailed in relevant paragraph in Annexure. **The other terms and conditions of the EC letter dated 15.07.2024, and the EC validity shall remain the same.**

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

12. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

13. This issues with approval of the competent authority.

(Dinesh Runiwal)  
Scientist 'F'/Director  
Tel: 011-20819346  
Email-d.runiwal@gov.in

**Copy To**

1. The Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
2. The Secretary, Department of Forests, Government of West Bengal, Kolkata.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. The Principal Chief Conservator of Forests, Government of West Bengal, Block LA, 10A Sector-III, Salt Lake City, Kolkata-700098.
5. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, IB-198, Sector-II, Salt Lake City, Kolkata – 700106
6. The Member Secretary, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
7. The Member Secretary, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector –III, Salt Lake City, Kolkata – 700 098.
8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi 110001.
9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
10. District Collector, Paschim Bardhaman District, West Bengal.
11. Guard File/Monitoring File/Website/Record File/ Parivesh Portal

Details of EC Amendment:

S. No.	Plant Equipment/ Facility	As per granted EC 15th July,2024						After Amendment		Remarks
		Existing facilities as per EC dated 08.04.2021 and amended dated 16.01.2023		Proposed Unit		Total (Existing + Proposed)		Conf	Prod (TPA)	
		Config	Prod (TPA)	Config	Prod (TPA)	Config	Prod (TPA)	Conf	Prod (TPA)	
1.	Sponge Iron (DRI Plant)	1x 350 & 1x 600 TPD DRI Plant	3,18,000 TPA*	2x 900 TPD	5,94,000 TPA	(1x 350 + 1 x 600 + 2x 900 TPD DRI Plant)	9,12,000 TPA	(1x 495* + 1 x 630*) + (2x 900 TPD) DRI Plant	9,82,000 TPA Sponge Iron	*NIPL certificate issued against EC dated 8th April, 2021 in 3,18,000 TPA sponge iron production for expansion by 70,000 TPA by change in raw material mix, process optimization & increase in working days. Hence, expanded capacity in EC dated 8th April, 2021 is 3,88,000 TPA. After amendment, the DRI capacity will be 9,82,000 TPA. Capacity of 1x495 & 1x630 TPD DRI is

S. No.	Plant Equipment/ Facility	As per granted EC 15th July,2024						After Amendment		Remarks
		Existing facilities as per EC dated 08.04.2021 and amended dated 16.01.2023		Proposed Unit		Total (Existing + Proposed)				
		Config	Prod (TPA)	Config	Prod (TPA)	Config	Prod (TPA)	Conf	Prod (TPA)	
										based on calculated figure as per NIPL certificate report.
2.	MS Billets (Induction Furnace with LF & CCM)	6x20 Ton IF (Induction Furnace) & 1X30 Ton LF (Ladle Furnace)	3,72,300 TPA	2x20 Ton IF (Induction Furnace)	1,24,200 TPA	{8x20 Ton IF (Induction Furnace) & 1x30 Ton LF (Ladle Furnace)}	4,96,500 TPA	{8x20 Ton IF (Induction Furnace) & 1x30 Ton LF (Ladle Furnace)}	4,96,500 TPA MS Billets	No change
3.	Rolling Mill	310 TPD & 625 TPD of rolled/bars/light structure	3,00,000 TPA	By adding new stand in existing premises	1,00,000 TPA	1x1250 TPD of rolled/bars/light structure	4,00,000 TPA	1x1250 TPD of rolled/bars/light structure	4,00,000 TPA Flat & Rolled Product	No change
4.	Submerged Arc Furnace (SAF)	2x9 MVA of Fe- Mn/ Si- Mn	30,000 TPA	3x5.5 MVA (Fe- Mn/Si- Mn/Fe- Cr/Si- Cr)	52,300 TPA	2x9 + 3x5.5 MVA of Fe- Mn/ Si- Mn/Fe- Cr/Si- Cr	82,300 TPA Ferro Manganese or 56,200 TPA Silico Manganese or 56,200 TPA Ferro Chrome or 48,100 TPA Silico Chrome or 43,100 TPA Ferro	2x9 + 3x5.5 MVA of Fe- Mn/Si- Mn/Fe- Cr/Si- Cr	82,300 TPA Ferro Manganese or 56,200 TPA Silico Manganese or 56,200 TPA Ferro Chrome or 48,100 TPA Silico Chrome or 43,100 TPA Ferro	No change

S. No.	Plant Equipment/ Facility	As per granted EC 15th July,2024						After Amendment		Remarks
		Existing facilities as per EC dated 08.04.2021 and amended dated 16.01.2023		Proposed Unit		Total (Existing + Proposed)				
		Config	Prod (TPA)	Config	Prod (TPA)	Config	Prod (TPA)	Conf	Prod (TPA)	
							TPA Ferro Silicon or 82,300 TPA Pig Iron		Silicon or 82,300 TPA Pig Iron	
5	Electric Arc Furnace (EAF)	-	-	2x10 MT	25,000 TPA	2x10 MT	25,000 TPA	1x10 MT Electric Arc Furnace (EAF)	12,500 TPA Alloys Metal (To be used for as intermediary product)	Change of configuration from 2x10 MT EAF to 1x10 MT EAF & replacement of 1x10 MT EAF with 1 x 9 MVA SAF keeping the total production same. A single 9 MVA Submerged Arc Furnace (SAF) will be dedicated to the manufacture of Silico Chrome. The output from this furnace will then be processed through an Electric Arc Furnace (EAF) to
								1 x 9 MVA SAF	12,500 TPA Silico Chrome	

S. No.	Plant Equipment/ Facility	As per granted EC 15th July,2024						After Amendment		Remarks
		Existing facilities as per EC dated 08.04.2021 and amended dated 16.01.2023		Proposed Unit		Total (Existing + Proposed)				
		Config	Prod (TPA)	Config	Prod (TPA)	Config	Prod (TPA)	Conf	Prod (TPA)	
										produce LC Ferro Chrome, which currently has strong market potential. This specific 9 MVA furnace is earmarked solely for Silico Chrome production due to its unique refractory lining requirements, which prevent its use for multi-product manufacturing.
6.	Waste Heat Recovery Boiler (WHRB)	35 TPH & 70 TPH	21 MW	2 x 126 TPH	60 MW	(1x35 + 1x70 + 2x126 TPH)	81 MW	(1x35 + 1x70 + 2x126 TPH)	99 MW	Process efficiency improvement in recovery of Waste Heat due to which capacity of WHRB increase from 81 MW to 99 MW

S. No.	Plant Equipment/ Facility	As per granted EC 15th July,2024						After Amendment		Remarks
		Existing facilities as per EC dated 08.04.2021 and amended dated 16.01.2023		Proposed Unit		Total (Existing + Proposed)				
		Config	Prod (TPA)	Config	Prod (TPA)	Config	Prod (TPA)	Conf	Prod (TPA)	
7.	Captive Power Plant	1X 32 TPH & 50 TPH FBC boiler	21 MW	-	-	82 TPH FBC boiler	21 MW	82 TPH FBC boiler	21 MW	No change
8.	Billet Caster	2X2 Strand	-	2x2 Strand	-	4x2 Strand	-	4x2 Strand	-	No change

The amendment has been proposed in EC as stated in table below:

Para of EC	Details as per the EC	To be revised/ read as	Justification/ reasons
Page No.1 Subject Point 2 (vii) Page No.2 Para 7 (i)	Expansion of Integrated Steel Plant: Sponge Iron from 3,18,000 TPA to 9,12,000 TPA, MS Billet from 3,72,300 TPA to 4,96,500 TPA, Rolling Mill from 3,00,000 TPA to 4,00,000 TPA, Submerged Arc Furnace from 30,000 TPA (Fe-Mn/Si-Mn) to 82,300 TPA Fe-Mn or 56,200 TPA Si-Mn or 56,200 TPA Fe-Cr or 48,100 Si-Cr or 43,100 TPA Fe-Si or 82,300 TPA Pig Iron with proposed Electric Arc Furnace (25,000 TPA), Captive Power Plant (42 to 102 MW) including WHRB (21 to 81 MW) by additional installation of 60 MW WHRB by M/s. Giridhan Metal Private Limited, located at Jamuria Industrial Estate, Village Ikra & Damodarpur, Tehsil Jamuria, District Paschim Bardhaman, West Bengal	Expansion of Integrated Steel Plant: Sponge Iron from 3,88,000 TPA to 9,82,000 TPA, MS Billet from 3,72,300 TPA to 4,96,500 TPA, Rolling Mill from 3,00,000 TPA to 4,00,000 TPA, Submerged Arc Furnace from 30,000 TPA (Fe-Mn/Si-Mn) to 82,300 TPA Fe-Mn or 56,200 TPA Si-Mn or 56,200 TPA Fe-Cr or 48,100 Si-Cr or 43,100 TPA Fe-Si or 82,300 TPA Pig Iron with proposed Electric Arc Furnace (12,500 TPA) and Submerged Arc Furnace (12,500 TPA Silico Chrome), Captive Power Plant (42 to 120 MW) including WHRB (21 to 99 MW) by additional installation of 60 MW WHRB by M/s. Giridhan Metal Private Limited, located at Jamuria Industrial Estate, Village Ikra & Damodarpur, Tehsil Jamuria, District Paschim Bardhaman, West Bengal	<ul style="list-style-type: none"> <li>9,82,000 TPA (70,000 production increased through NIPL).</li> <li>Replacement of one 1x 10 MT EAF with 1 x 9 MVA SAF for Silico Chrome production. As stated above, now the Silico Chrome will be produced from 1x9 MVA SAF. Therefore, 1x10 MT EAF will be removed.</li> <li>Process efficiency improvement in recovery of Waste Heat due to which capacity of WHRB increase from 81 MW to 99 MW.</li> </ul>