



Dtd.08.01.2022

To

Deputy Director General of Forests (C), Ministry of Env., Forest and Climate Change, Integrated Regional Office, A/3, Chandersekharpur, Bhubaneswar – 751023 Email: roez.bsr-mef@nic.in

- Ref: 1. Environment Clearance letter No.: F.No.j-11011/594/2008-IA II (I), dtd. 04.05.2009.
 - Name of the Project: Expansion of Ferro Alloys Plant (High Carbon Ferro Chrome, 65,000 TPA to 1,30,000 TPA) at Randia, District Bhadrak, Orissa by M/s. Ferro Alloys Corporation Ltd.
 - 3. Order dtd.30.01.2020 passed by NCLT Cuttack Bench approving Resolution Plan as per IBC.
 - 4. Guidelines issued by your good office letter no.106-12 /EPE, dtd.11.05.2020.

Sub: Submission of Six Monthly Compliances Report against Environment Clearance letter No.: F.No.J- 11011/594/2008-IA II (I), dtd. 04.05.2009 issued to M/s. Ferro Alloys Corporation Ltd. for the period from 30.01.2020 (Plan effective date) upto September-2021.

Dear Sir,

In compliance to the guidelines issued by your good office vide letter no.106-12 /EPE, dtd.11.05.2020, regarding submission of half yearly compliance report against approved Environment Clearance, we would like to bring to your kind notice that, M/s. Ferro Alloys Corporation Limited ("Company") has recently undergone Corporate Insolvency Resolution Process (CIRP) under the Insolvency and Bankruptcy Code, 2016, wherein the resolution plan submitted by Sterlite Power Transmission Limited (a group of company of Vedanta Ltd.) for was approved by the Hon'ble National Company Law Tribunal, Cuttack Bench, vide its order dated January 30, 2020. Copy of the NCLT order is enclosed herewith as Annexure-1.

- That pertinent to mention here that according to Section-31(10 of IBC-2016 r/w Para-19 of the Order dtd.30.01.2020 passed by Hon'ble National Company Law Tribunal, the approved Resolution Plan shall be binding on the Company, Corporate Debtor, its employees, members, all Creditors including Central/State Government and local authorities, guarantors and other Stakeholders.
- 2. That pursuant to the said order dt.30.01.2020 passed by the Hon'ble National Company Law Tribunal (NCLT) Cuttack, the Board of Directors of the Company has been newly formed on dt.21.09.2020 to implement the approved Resolution Plan. Copy of the Board Resolution with respect to change of Board of Directors w.e.f 21.09.2020 is enclosed herewith as Annexure-2 for reference and records.
- 3. That in compliance to the provisions made in the approved resolution plan, the day to day operation and maintenance of the company after change of control are being handled under the supervision of the new Board of Directors of the company w.e.f 21.09.2020. From the date of formation of new Board, we are complying all the statutory compliances of the company in due time without fail.





- 4. That recently during searching of the statutory records of the company, we found that one guideline dtd.11.05.2020 had been issued by your good office mentioning about the procedure for submission of Six Monthly Compliances Report against the Environment Clearance granted by the Ministry of Environment and Forest (MOEF), Government of India.
- 5. That since the Plan effective date as per NCLT Order and as per IBC-2016 is 30.01.2020, in compliance to the aforesaid guideline, we are submitting herewith Four numbers of Six Monthly Compliance Reports to MoEF along-with annexures thereof for the period from:
 - (1) October -2019 upto March-2020
 - (2) April-2020 upto September 2020
 - (3) October-2020 upto March-2021
 - (4) April-2021 upto September-2021.
- 6. That delay filing of the above Four nos. of compliance reports may kindly be condoned considering the facts that the company was under CIRP process from 06.07.2017 upto 30.01.2020 as per the order of National Company Law Tribunals of Kolkata as well as Cuttack Bench.
- That being a law-abiding organization, we do also hereby undertake that from today onwards we will submit all the statutory compliances within due time without any fail.
- That we are committed to abide by the order of Hon'ble NCLT Cuttack Bench to implement the
 approved Resolution Plan effectively by following all the guidelines, circulars and Notices issued
 from time to time by the Ministry of Environment and Forest (MOEF), Government of India.

In light of the above facts and considering the provision of IBC-2016, we do hereby request you kindly acknowledge receipt of above four nos. of Six-Monthly Compliances by condoning the delay in submissions.

Your kind co-operation and lenient view in this regard is highly solicited to regularize this compliance and condone the delay in submission of reports.

Thanking you

Yours faithfully

For Ferro Alloys Corporation Ltd.

Factory Manager

Charge Chrome Plant

Enclosed: As above.

Copy to: Director I.A. Division, Ministry of Environment and Forest, Paryavaran Bhawan, New Delhi.

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IN THE NATIONAL COMPANY LAW TRIBUNAL CUTTACK BENCH CUTTACK

CA (IB) No. 157/CTB/2019 Connected with TP No. 42/CTB/2019 Arising out of CP (IB) No. 251/KB/2017

CORAM: 1. Ms. Sucharitha R. (J)
2. Shri Satya Ranjan Prasad (T)

In the matter of: INSOLVENCY AND BANKRUPTCY CODE, 2016.

In the matter of:

An application under Section 30 (6) read with Section 31 (1) of the Insolvency and Bankruptcy Code, 2016 read with Regulation 39 (4) of the Insolvency and Bankruptcy Board of India (Insolvency Resolution Process for Corporate Persons) Regulations, 2016.

-And-

In the Matter of:

Mr. Bhuvan Madan, the Resolution Professional of Ferro Alloys Corporation Limited.

... <u>Applicant</u>

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Page 1 of 22

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In the Matter of:

Rural Electrification Corporation, a company incorporated under the provisions of the Companies Act, 1956 and having its Registered Office at Core – 4, SCOPE Complex, 7, Lodhi Road, New Delhi – 110 003.

... ... Financial Creditor

-Versus-

Ferro Alloys Corporation Limited, a company incorporated under the provisions of Companies Act, 1956 having its Registered Office at D.P. Nagar, Village P.O. Randia, District – Bhadrak, Odisha – 756 335.

... ... Corporate Debtor

Counsels on record:

- 1. Mr. D. Basu Adv.] For the REC Ltd.
- 1. Mr. Saurav Panda, Adv.]
- 2. Ms. Charu Bansal, Adv.] For the Resolution Professional.
- 3. Mr. Raj Mohanty, Adv.]
- 1. Mr. Prasenjeet Mohapatra, Adv.]
- 2. Jr. Standing Counsel, GST] For the CA No. 162 & IA No.176 of 2019
- 1. Mr. A.N. Das
- 2. Mr. N. Sarkar] For Intervenor in CA (IB) No. 160/CTB/2019.
- 3. Mr. Aamir Khan]
- 1. Mr. K.C. Satapathy] For Financial Creditor, BOI.
- 1. Mr. Jishnu Saha, Sr. Adv. 1

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Page 2 of 22

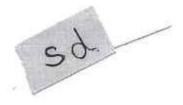
- 2. Mr. Rajarshi Dutta, Adv.]
- 3. Mr. N.S. Auluwalia, Adv. 1
- 4. Mr. Saswat Acharya, Adv.] For the erstwhile Promoters.
- 5. Mr. Adhish Sharma, Adv. 1
- 6. Mr. A. Mohanty, Adv.
- 7. Mr. A.K. Dey, Adv.
- 1. Mr. Lalatendu Mohanty] For the CA No. 92/CTB/2019.
- 1. Mr. Diwakar Maheshwari, Adv.]
- Mr. Amit Patnaik, Adv.For the Sterlite Power.
- 3. Ms. Pratiksha Mishra, Adv.

Date of Pronouncement of Order: 30th day of January, 2020

ORDER

Per Ms. Sucharitha R., Member (J):

This application has been filed by Resolution Professional under Section 30 (6) read with Section 31 (1) of the Insolvency and Bankruptcy Code, 2016 read with Regulation 39 (4) of the Insolvency and Bankruptcy Board of India (Insolvency Resolution Process for Corporate Persons) Regulations, 2016 for approval of the Resolution Plan submitted by the successful Resolution Applicant i.e. Sterlite Power Transmission Limited.



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Page 3 of 22

- Facts of the case: -
 - By Order dated 06.07.2017 passed by the NCLT, Kolkata Bench, the Corporate Insolvency Resolution Process of the Corporate Debtor M/s Ferro Alloys Corporation Limited commenced. Mr. K.G. Somani was appointed as Interim Resolution Professional. In the Committee of Creditors Meeting held on 08.08.2017, IRP Mr. K.G. Somani was appointed as Resolution Professional.
 - (ii) The Promoters of the Corporate Debtor filed a Company Appeal (AT) No. 92 of 2019 before the Hon'ble NCLAT challenging the Order of admission dated 06th July, 2017. By Order dated 08th January, 2019, the Hon'ble NCLAT dismissed the appeal. The Hon'ble Apex Court also dismissed the appeal vide Order dated 11th February, 2019.
 - (iii) In CA No. 309/2018 it was submitted that the Corporate Insolvency Resolution Process of 270 days was due to expire on 02.04.2018. In C.A. No. 309 of 2018, the Resolution Professional sought exclusion of 120 days lost in the litigation. The Hon'ble NCLT, Kolkata Bench by Order dated 04th March, 2019 granted



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Resolution Process. The said 45 days was to expire on 19th April, 2019. However, the Corporate Insolvency Resolution Process could not be completed. Hence, another application was filed before Hon'ble NCLT, Cuttack Bench dated 22nd April, 2019.

- (iv) IA No. 18/CTB/2019 was filed for replacement of the present Resolution Professional in the place of the erstwhile Resolution Professional. Committee of Creditors passed this resolution with 100 % voting. Meanwhile, another IA No. 19/CTB/2019 was filed seeking further exclusion of 30 days from the Corporate Insolvency Resolution Process. Both this application was allowed by this Adjudicating Authority by Order dated 08th July, 2019. The present Resolution Professional Mr. Bhuvan Madan was appointed and 30 days of exclusion of Corporate Insolvency Resolution Process period was also granted. Hence, both IA No. 18/CTB/2019 and IA No. 19/CTB/2019 were allowed.
- (v) Another CA No. 75/CTB/2019 was filed before this Adjudicating Authority for the exclusion of days lost in the litigations. After considering the facts and circumstances of the case, this Adjudicating Authority by Order dated 08th August, 2019

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granted 98 days of exclusion from the Corporate Insolvency Resolution Process. Thereby the Corporate Insolvency Resolution Process shall end on 14th November, 2019.

- (vi) It is evident from Form H that public notice was issued on 08.07.2017. The Committee of Creditors was constituted on 01st August, 2017. The 1st Committee of Creditors Meeting was held on 04th August, 2017.
- (vii) It is evident from Form H that registered valuers were appointed on 02.08.2017, 16.03.2019 and 26.08.2019. As per Form H, the details of fair and liquidation value are hereunder: -

	As on 31 st Dec, 2018 RBSA – INR 541.56 cr.
Fair Value	MITCON – INR 479.39 cr.
	As on 30th June, 2019
	Mr. Sachin Garg and Mr. Nitin Garg
	(C/o GAA Advisory) – INR 448.24 cr.
	As on 06th July, 2017
	RBSA – INR 367.13 cr.;
	MITCON – INR 367.21 Cr.
Liquidation Value	As on 31st Dec, 2018
	RBSA - INR 350.44 cr.;
	MITCON - INR 370,64 cr.
	As on 30 th June, 2019 (On Piecemeal Basis)



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- 3. The applicant submits that Request For Resolution Plan (RFRP) dated 19th August, 2019 was called from the prospective Resolution Applicants. As per the invitation, the last date for submission of the plan was 30th September, 2019. However, this date was extended and finally extended up to 30th October, 2019. The Resolution Professional received 7 (Seven) prospective applications which was noted in the 20th Committee of Creditors Meeting held on 16th October, 2019. The Resolution Applicants are:
 - a) Jindal Stainless (Hisar) Limited;
 - b) Sterlite Power Transmission Limited;
 - c) Indian Metals and Ferro Alloys Limited;
 - d) Prudent ARC Limited;
 - e) MOIL Limited;
 - f) Asset Reconstruction Company (India) Limited;
 - g) Essel Mining and Industries Limited.
- Out of seven Resolution Applicant, who have expressed interest only one Resolution Applicant, namely, Sterlite Power Transmission Limited (SPTL) submitted a Resolution Plan on 30th October, 2019. This was opened in the 29th Meeting of the Committee of Creditors held on 30th October, 2019. Thereafter on 07th November, 2019, another Resolution Applicant, namely, (IMR) Metallurgical Resources AG also



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contacted the Resolution Professional and expressed their interests to submit a Resolution Plan. It is to be noted that the last date for submission of the Resolution Plan as per RFRP expired on 30th October, 2019. The Committee of Creditors in their 30th Meeting held on 07th November, 2019 with voting share of 91.60 % decided to permit IMR Metallurgical Resources AG to submit their Resolution Plan. The Resolution Plan submitted by the IMR Metallurgical Resources AG was received and opened on 30th Meeting of Committee of Creditors. The other Resolution Applicant SPTL was also informed and they have not expressed any objection to that. In the 30th Committee of Creditors Meeting both the Resolution Plans were discussed.

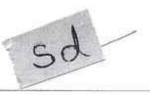
5. The 31st Meeting of committee of Creditors held on 11th November, 2019 which was adjourned and continued on 12th November, 2019. The Resolution Plan of both SPTL and IMR Metallurgical Resources AG were presented before the Committee of Creditors. In the same Meeting, the proposal for settlement by the promoters under Section 12 (A) of the Code, was also discussed. However, the Financial Creditor i.e. REC Ltd. was not satisfied with the settlement proposals of the promoters/Directors. Hence, the settlement proposal was rejected. Thereafter, the Resolution Plans were taken up for consideration.



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- Both the Resolution Plans were taken up for consideration by the Committee of Creditors. Both the Resolution Plans complied with the mandatory requirements stipulated under Section 30 (2) of the Code read with Regulations thereunder. The Committee of Creditors discussed the feasibility and viability of the Resolution Plans and the capability of the Resolution Applicants to implement the Resolution Plan and carry out the evaluation of the Resolution Plans. Finally, a evaluation matrix was arrived at, as per the scoring rate Sterlite Power Transmission Limited (STPL) scored 91.26%, IMR Metallurgical Resources AG score was 80.42 %. Based on the evaluation criteria set out in the RFRP Sterlite Power Transmission Limited was declared as a highest evaluated Resolution Applicant. The 31st Committee of Creditors Meeting held on 13th November, 2019, the Resolution Plan submitted by M/s Sterlite Power Transmission Limited (SPTL) was approved by the Committee of Creditors by 95.15 % of voting shares.
- 7. The list of Financial Creditors of the CD Ferro Alloys Corporation Limited, being members of the CoC and distribution of voting share among them is as under: -

Sl. No.	Name of Creditor	Voting Share (%)	Voting for Resolution Plan (Voted for/Dissented/Abstained)
1	Rural Electrification Corporation Limited (RECL)	91.60 %	Voted For



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2	Syndicate Bank	0.45 %	Abstained
3	Central Bank of India	3.55 %	Voted for
4	Bank of India	2.26 %	Dissented
5	State Bank of India	0.74 %	Dissented
6	Toplight Corporate Management Private Limited	1.39 %	Abstained
7	Aroma Plantation Private Limited	0.01 %	Abstained
	Total	100.00 %	37

 Resolution Plans as per the evaluation matrix and declaration of the highest scoring Resolution Applicant is as under: -

Sterlite Power Transmission Limited: -

Evaluation Criteria	Score
1. Upfront Cash	37.76
2. NPV factoring including upfront cash	25.00
3. Equity infusion for improvement in ops	10.00
4. NPV of operational creditors	¥
Subtotal (out of 80)	72.76
5. Reasonableness of financial projections	8.50
6. Ability to turnaround	5.00
7. Standing of the RA	5.00



Page 10 of 22



Subtotal (out of 20)	18.50
Grand Total (out of 100)	91.26

IMR Metallurgical Resources AG: -

Evaluation Criteria	Score
1. Upfront Cash	40.00
NPV factoring including upfront cash	24.92
3. Equity infusion for improvement in ops	2
4. NPV of Operational Creditors	5.00
Subtotal (Out of 80)	69.92
5. Reasonableness of financial projections	5.50
6. Ability to turnaround	2.50
7. Standing of the RA	2.50
Subtotal (Out of 20)	10.50
Grand Total (Out of 100)	80.42

Voting Results: -

Particulars	Voting (in Nos.)	Voting Share (in INR Cr.)	Voting Share (in%)	Result declared for the above Resolution	
Voting in Favour	2	769.60	95.15 %	Approved	
Voting Cast Against	2	24.27	3.00 %		

Page 11 of 22

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Voting Cast Abstained	3	14.95	1.85 %	
Total	7	808.82	100.00 %	

The amounts provided for the stakeholders under the approved
 Resolution Plan is as under: -

(Amount in Rs. cr.)

Sl. No.	Category Stakeholo	Comment of the Commen	Amount Claimed (in crores)	Amount Admitted (in crores)	Amount Provided under the Plan#	Amount Provided to the Amount Claimed (%)
1	Secured Fi Creditors	nancial	79.51	42.16	14.60#	18.36 %
2	Unsecured Fi Creditors	nancial	834.17	766.66	265.40#	31.81 %
3	Related Financial Cred	parties litors	17.53	17.53	NIL	NIL
	Operational Co	reditors	6.01	5.84	NIL	NIL
4	Government		353.61	220.58	NIL	NIL
	Workmen		NIL	NIL	NIL	NIL
	Employees		NIL	NIL	NIL	NIL
5	Other Debts Dues	s and	NIL	NIL	NIL	NIL
	Total	Total		1052.77	280#	

10. The Letter of Intent dated 14th November, 2019 was issued to the successful Resolution Applicant. It was resolved to file Approved Resolution Plan before the Adjudicating Authority for approval in terms of Section 30 (6) of the Code. Further, the successful Resolution Applicant has also undertaken to provide Performance Bank Guarantee in



Page 12 of 22



compliance with Regulation 36 (4A) of the CIR Regulations as contemplated in the RFRP. The mandatory requirements envisaged under Section 30 (2) of the Code is as follows: -

SECTION/ REGULA TION	REQUIREMENT	CLAUSE OF THE RESOLUTION PLAN/ADDITION AL DOCUMENTS
Section 29A of the Code.	This disqualification under Section 29A of the Code should not apply.	Section 3 (m) of the Resolution Plan read with the affidavit dated 30 th October, 2019 submitted by the Successful Resolution Applicant.
Section 30 (2) (a) of the Code.	The Resolution Plan provides for the payment of insolvency resolution process costs in a manner specified by the Board in priority to the repayment of other debts of the Corporate Debtor.	Section 3 (a) of the Resolution Plan.
Section 30 (2) (b) of the Code.	The Resolution Plan provides for the payment of the debts of Operational Creditors in such manner as may be specified by the Board which shall not be less than the amount to be paid to the Operational Creditors in the event of a	Section 3 (b) and 3 (e) of the Resolution Plan.
Section 30 (2) (b)	The Resolution Plan provides for the payment of liquidation value to the dissenting Financial Creditors.	Section 3 (e) of the Resolution Plan.
Section 30 (2) (c) of	The Resolution Plan provides for the management of the affairs of the	



Page 13 of 22

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the Code.	Corporate Debtor after approval of the Resolution Plan.		
(2) (d) of	The Resolution Plan provides for the implementation and supervision of the Resolution Plan.	Section U and III of	
(2) (e) of	The Resolution Plan does not contravene any of the provisions of the law for the time being in force.		

11. In addition to the above, the Resolution Plan also complied with the following Regulations: -

Regulation 38 (1) of the CIR Regulations.	The amount due to the Operational Creditors under a Resolution Plan shall be given priority in payment over Financial Creditors.	Section 3 (b) and 3 (e) of the Resolution Plan.
Regulation 38 (1A) of the CIR Regulations.	The Resolution Plan shall include a statement as to how it has dealt with the interests of all stakeholders, including Financial Creditors and Operational Creditors, of the Corporate Debtor.	Section 3 (1) of the Resolution Plan.
Regulation 38 (2) (a) of the CIR Regulations.	The Resolution Plan shall provide the term of the plan and its implementation schedule.	Section 10 of the Resolution Plan.
Regulation 38 (3) (a)	The Resolution Plan shall demonstrate that it addresses the cause of default.	Section 5 of the Resolution Plan.
Regulation 38 (3) (c)	The Resolution Plan shall have provisions for its effective implementation.	Section 7, 8, 9 and 10 of the Resolution Plan.
Regulation 38 (3) (d)	The Resolution Plan shall have provisions for approvals required and the timeline for the same.	Section 7 of the Resolution Plan.





The mandatory requirements of the provisions of the Insolvency and Bankruptcy Code, 2016 and CIR Regulations are complied with.

- Summary of the Approved Resolution Plan as stated in the application: -
 - Process cost shall be paid in full and in priority to other creditors from the cash flow generated by the Corporate Debtor. In case of any shortfall, the successful Resolution Applicant will infuse funds by way of equity or convertible securities or subordinate convertible loans or any other appropriate means, as cash flows of the Corporate Debtor shall ensure priority payment.
 - (ii) Employees and workmen's dues The Corporate Debtor is an "ongoing concern". There is no outstanding amount due and payable to the employees/workmen. However, if there is any due, they shall be treated pari passu with Financial Creditors and shall be paid in full from the cash flows of the Corporate Debtor in priority over the Financial Creditors.



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- (iii) Assenting Financial Creditors Against the total verified amount of Rs. 808.82 Crores, the Resolution Plan provides for the following: -
 - (a) An upfront payment amount of Rs. 10 Crores plus cash equivalent to cash balance in Facor Power Limited ('FPL') towards settlement of claims of the consenting Financial Creditors ('Upfront Payment');
 - (b) An amount of Rs. 270 Crores ('Total Consideration') will be converted into zero coupon secured and unlisted non-convertible debentures and will be issued to the consenting Financial Creditors in proportion manner. Further, the Resolution Plan clarifies that the Total Consideration shall be first applied towards payment of interest component and then against the principal amount of the financial debt;
 - (c) Dissenting Financial Creditors As per the Resolution

 Plan, an amount equal to the amount to be paid to dissenting

 Financial Creditors in accordance with Section 53 of the Code

 in the event of liquidation of the Corporate Debtor will be

 converted into zero coupon secured and unlisted non
 convertible debentures and will be issued to the dissenting

Financial Creditors in proportional manner;

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- (d) Operational Creditors Against the total verified claim of Rs. 5.84 Crores, the Resolution Plan provides that liquidation value or amount payable to Operational Creditors in terms of the Code is NIL. Accordingly, NIL payment has been proposed towards claims of Operational Creditors;
- (e) Outstanding Government Dues and Taxes As per the Resolution Plan, the liquidation value payable in respect of statutory dues in terms of the Code is NIL. Accordingly, NIL payment has been proposed towards payments of statutory liabilities.
- (f) Closing Date As per the Resolution Plan, it shall mean the date on which Non-Convertible Debentures are issued and assigned to the Financial Creditors and ownership of asset is transferred to the Resolution Applicant.
- (g) Resolution Plan in Annexure 4 has requested certain relief and concessions. It is clarified that disallowances of the concessions, reliefs and dispensations as sought for, shall not impact the effectiveness or implementation of the Resolution Plan.

In respect to the relief, concessions, dispensations as sought for, the same shall be governed by Rules in accordance with law.

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Page 17 of 22

- 13. The Resolution Professional has filed Compliance Certificate in Form – H as per Regulation 39 (4) of the Insolvency and Bankruptcy Board of India (Insolvency Resolution Process for Corporate Persons) Regulations, 2016, does not contravene any of the provisions of the law for the time being in force.
- 14. The Resolution Applicant i.e. M/s Sterlite Power Transmission Limited has submitted an affidavit pursuant to Section 30 (1) of the Insolvency and Bankruptcy Code, 2016 confirming its eligibility under Section 29 A of the Insolvency and Bankruptcy Code, 2016.
- 15. It is disclosed in Form H that the Resolution Professional has determined the transaction of the nature covered under Sections 43, 45, 50 or 66 as the case may be, of the Insolvency and Bankruptcy Code, 2016, and that appropriate application has been filed before the Adjudicating Authority, which are pending for adjudication.
- 16. It is evident from Form H, under Regulation 39 (4), the Resolution Applicant shall submit performance guarantee in term of RFRF on or before 17th November, 2019. This Resolution Plan has come for approval before this Adjudicating Authority, the Resolution Applicant



Page 18 of 22

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shall submit performance guarantee as contemplated under CIRP Regulations, if not already done, before implementation of the Plan.

- 17. In respect to Annexure 4 of Resolution Plan, the request for certain relief and concessions, it is hereby clarified that such exemptions, reliefs, concessions shall be construed as NOT GRANTED.
- Applications/Intervening Applications against approval of Resolution Plan: -
 - (i) CA (IB) No. 160/CTB/2019 is filed by unsuccessful Resolution Applicant. This CA (IB) No. 160/CTB/2019 is DISMISSED. Orders passed vide separate sheets.
 - (ii) IA (IB) No. 175/CTB/2019 is filed by Promoters/Directors of the Corporate Debtor. It is stated that the promoter has submitted Settlement Proposal far superior than that of approved Resolution Plan. However, the same was REJECTED.



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Page 19 of 22

Further, they stated that, mandatory departure from 36 (b) Regulation. The EOI and RFRP were modified. The inclusion of profile of Facor Power Ltd., and insisting of expertise in power, as necessary qualification of Resolution Applicant is not appropriate. It is stated that no notice was issued to promoters as per Section 24 (3). The revised Resolution Plan, was passed between 11:00 P.M. to 11:30 P.M. Hence, the promoters did not have time to effectively participate. Further, there is undervaluation of the mines. Hence, seeks direction for rejection of the Resolution Plan and direction for acceptance of the Settlement Proposal under 12 A of the Insolvency and Bankruptcy Code, 2016. The Resolution Professional & Committee of Creditors has denied factually each and every allegation. There is no mention of any averments in Minutes of the Meeting. Further, it is evident from Minutes of Meeting that notice was served on promoters/Directors and they were present at the meeting, and no objections regarding time constrain were raised. Hence, it is purely an Finally, afterthought. the promoter states

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Page 20 of 22

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been wrongly included in the Resolution Plan, it can never be the asset of the Corporate Debtor. Any direction/inclusion to sell the individual shares of the promoters of Facor Power Limited is blatant violation. However, it is clarified by Resolution Professional and Committee of Creditors that it is only an "exist option" for the Directors, and not a mandatory. It is purely the wish of the promoters to either benefit from the Clause or not.

- b. In respect of the inclusion of expertise in "Power" in RFRF, the Corporate Debtor has more than 86.09 % of shareholding in Facor Power Ltd. and it is an asset of the Corporate Debtor. Hence, the Resolution Applicant ought to maximize the asset. Hence, the expertise in "power" become inevitable. The objections raised by applicant in IA No. 175/CTB/2019 are overruled. IA No. 175/CTB/2019 is DISMISSED. Orders passed vide separate sheet.
- (iii) CA (IB) No. 162/CTB/2019 and CA (IB) No. 176/CTB/2019 is filed by Government of India through

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Page 21 of 22

Office of the Assistant Commissioner, GST & Central Excise, Balasore Division, Bhubaneswar GST Commissionerate. Both applications are DISMISSED.

Orders passed in separate sheet.

ORDER

- Limited (SPTL) i.e. Resolution Applicant, approved by 95.15 % of voting share in 31st Committee of Creditors Meeting dated 13.11.2019 is APPROVED, as per Section 31 (1) of the Insolvency and Bankruptcy Code, 2016. Accordingly, the same shall be binding on the Corporate Debtor and its employees, members, all creditors including Central and State Government and local authorities, guarantors and other stakeholders.
- 20. Accordingly, this CA (IB) No. 157/CTB/2019 is hereby ALLOWED.

Shri Satya Ranjan Prasad

Member (T)

S d Nrs. Sucharitha R. Member(J)

Signed on this, the 30th day of January, 2020

Santosh P.S.

Page 22 of 22



RESOLUTION PASSED BY THE STEEERING COMMITTEE OF FERRO ALLOYS CORPORATION LIMITED ("COMPANY") [CONSTITUTED PURSUANT TO ORDER DATED JANUARY 30, 2020 OF THE HON'BLE NATIONAL COMPANY LAW TRIBUNAL, CUTTACK BENCH, AS STEERING COMMITTEE HAS BEEN CONSTITUTED FOR IMPLENTATION OF THE RESOLUTION PLAN OF STERLITE POWER TRANSMISSION LIMITED AND BEING IMPLEMENTED BY VEDANTA LIMITED] AT THEIR 9TH MEETING HELD BY AUDIO-VISUAL MEANS ON 21ST SEPTEMBER, 2020

2. TO APPROVE APPOINTMENT OF THE RECONSTITUTED BOARD OF DIRECTORS

"RESOLVED THAT pursuant to (i) the provisions of Section 161 (1) and other applicable provisions, if any, of the Companies Act, 2013 read with the rules made thereunder, (including any statutory modification thereto or re-enactment thereof for the time being in force) to the extent applicable, (ii) the provisions of Section 30(2)(e) and other applicable provisions, if any, of the Code read with the rules made thereunder, (including any statutory modification thereto or re-enactment thereof for the time being in force) to the extent applicable, (iii) the Memorandum and Articles of Association of the Company, and (iv) the resolution plan submitted by Sterlite Power Transmission Limited in relation to Ferro Alloys Corporation Limited ("Company") pursuant to a corporate insolvency resolution process under the Insolvency and Bankruptcy Code, 2016 ("Code") and duly approved by the committee of creditors of the Company and the Hon'ble National Company Law Tribunal, Cuttack Bench vide its order dated January 30, 2020 (the "Resolution Plan"), as being implemented by Vedanta Limited in accordance with the Resolution Plan, the consent of the Steering Committee constituted as per the Resolution Plan be and is hereby accorded to appoint, Akhilesh Joshi (DIN: 01920024) (being Independent Director), Pallavi Bakhru (DIN: 01526618) (being Non-Executive Director), Sauvick Mazumdar (DIN: 07558996) (being Non-Executive Director), Arun Misra (DIN: 01835605) (being Non-Executive Director) and Rahul Sharma (DIN: 06675433) (being Non-Executive Director) as additional directors of the Company, with immediate effect, to hold office up to the conclusion of the next annual general meeting of the Company.

RESOLVED FURTHER THAT the Company Secretary and CFO of the Company be and is hereby authorized to file, sign, verify, and execute all such e-forms, papers or documents as may be required and do all such acts, matters, deeds and things as may be necessary and incidental to take all necessary actions for giving effect to the above resolutions, including updating the statutory registers and filing requisite forms, returns/documents with the Ministry of Corporate Affairs in relation to appointment of the new directors and any other authority, as applicable."

Certified True Copy for Ferro Alloys Corporation Limited

RITESH CHAUDHRY

Ritesh Chaudhry Sr. GM (Legal) & Company Secretary ACS 19966 R/o Flat no.F-107, Stellar Jeevan Apartments, Greater Noida (West) = 201306 (U.P.)

FERRO ALLOYS CORPORATION LIMITED

CIN U45201OR1955PLC008400

Corp. Office: FACOR HOUSE, A45-50, Sector 16, Naida, Distr. Gautam Buddli Nagar, Uttar Pradesh 201301, India, T: +91-120-4171000; F: +91 120-4256700; E: facordelhi@facorgroup in Regd. Office & Works: D.P. Nagar, Randia-756135, Dist. Bhadrak, Odisha, India, T: +91-6784-240230; F: +91-6784-240626; E: facorcep@facorcep.in Head office: Shreeram Bhawan, TUMSAR-441912, Dist. Bhandara, Maharashtra, India; T +91-7183-232233 & 233090; F: +91-7183232271; E: facorho@facorgroup.in

www.facorgroup.in



Six Monthly Environmental Compliance Report For the period from April-2021 upto September -2021 Compliance of Conditions S.No Conditions Specific Conditions Complied. Continuous monitoring facilities for all the stacks and sufficient air The exhaust gas from the semi opened Smelting Arc Furnace pollution control (equipments viz. fume extraction system, cyclones and generated at a temperature of over 350°C containing dust bag filters to the gas cleaning plant (GCP), ID fan and stack of adequate Particulates, Sulphur Dioxide; Oxides of Nitrogen, Carbon Monoxide is height to submerged arc furnace shall be provided to control particulate matter emissions below 100 mg/Nm³. Bag filters shall be provided to cleaned by Dry Gas Cleaning Plant. GCP consists of Ducts, Equalizer, Trombone Cooler, ID Fan, Bag Filters for separation of dust from the control the dust generated from the briquetting plant. The Orissa 1 flue gas. Regular preventive maintenance of pollution control Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size equipments are carried out. AAQMS and Stack monitoring is done by and location. At no time, the emission level shall go beyond the prescribed authorized 3rd Party on monthly basis. Report enclosed herewith as standards. Interlocking facilities shall be provided so that process can be Annexure -A. The emission level are within prescribed standard. automatically stopped in case emission level exceeds the limit. At least four ambient air quality monitoring stations shall be established in Complied. The ambient air quality monitoring is done in four different location of the downward direction as well as where maximum ground level the plant - Auto garage, MRP Plant, MRSS and R&C Lab. Stack concentration of SPM, SO₂ and NOx are anticipated in consultation with monitoring of GCP and Dryer stack is done by authorized 3rd party 2 the OPCB. Data on ambient air quality and stack emissions should be Kalyani laboratories PVT, LTD. regularly submitted to this Ministry including its Regional Office at Data on ambient air quality and stack emission are being regularly Bhubaneswar, OPCB and CPCB once in six months. submitted to OSPCB. In-plant control measures for checking fugitive emissions from all the Complied. vulnerable sources shall be provided. Dry fog dust suppression system wil In order to control the fugitive emission there are bag filters attached to dryer plant. Water sprinklers are provided at storage hopper and be provided at crushing (and screening section of metal recovery plant to feeding points of raw material handling system. Plant roads & control fugitive emissions generated during crushing, screening etc. Dust approach roads have already made concreted, with the help of one extraction system shall be provided to control the fugitive dust from raw water tankers of 10KL capacity are being sprinkled over the roads material handling, screening and conveying section along with product 3 throughout the working shift to prevent the dust emanation due to handling section, transfer and feeding points to control fugitive dust emissions to meet the OPCB norms. Internal roads shall be made black vehicular movement. topped and asphalted. Water spraying shall also be done to prevent the dust emanation due to vehicular movement. Authorized 3rd party monitoring report of air quality and stack Data on ambient air quality, stack emissions and fugitive emissions shall emission is been submitted in monthly for the concern Orissa be uploaded on the Company's website and also regularly submitted on-Pollution Control Board (OPCB). Report enclosed herewith as line to the Ministry's Regional Office at Bhubaneswar, Orissa Pollution Control Board (OPCB) and Central Pollution Control Board (CPCB) as well Annexure -B. Data on ambient air quality, stack emission and fugitive emissions will as hard copy once in six months. Data on SPM, SO₂ and NOx shall also be be uploaded on company's webiste shortly after resumption of server displayed prominently outside the premises at the appropriate place for error in the company portal. the information of general public. Data on SPM, 5O2 and NOx are being displayed prominently outside the premises at the appropriate place for the information of general public Secondary fugitive emissions from all the sources shall be controlled Complied. Secondary fugitive emissions are being controlled by bag houses at within the latest permissible limits issued by the Ministry and regularly dryer & briquetting plant, water sprinklers and water tankers all other monitored. Guidelines / Code of Practice issued by the CPCB shall be 5 Vehicular pollution due to transportation of raw material and finished The water tanker of 10KLD capacity are being used as dust supression product shall be controlled. Proper arrangements shall also be made to on concrete roads through out working shift with proper control dust emissions during loading and unloading of the raw material 6 vî housekeeping contract service to control dust emissions during and finished product. loading and unloading of the raw material and finished product. Total water requirement should not exceed 168 m³/day ground water as We have obtained NOC from Central Ground water authority (CGWA) per the 'permission' accorded by the Central Ground Water Authority vide letter no. 21 4(74)/SER/CGWA/2008-1281 dated 24h October, 2008. for use of ground water in our charge chorme plant and the total water are beign used within the prescribed limit of CGWA. Closed circuit cooling system shall be adopted to reduce water



and used for green belt development.

consumption. Effluent from Soft water plant shall be neutralized and

premises. Cooling under blow down shall be treated and completely recycled. Wastewater from Jigging Plant shall be treated in a settling tank

green belt development and other plant related activities within the plant

and reused in Jigging plant. No wastewater shall be discharged outside

wastewater shall be treated in septic tanks followed by soak pit system

the factory premises and 'zero' discharge shall be adopted. Domestic

collected in equalization-cum-settling pond and clear water recycled/reused for dust suppression, metal cooling, slag granulation,

7

consumption.

'zero' discharge are being adopted.

used for green belt development.

Closed circuit cooling system are being adopted to reduce water

No wastewater are being discharged outside the factory premises and

Work in progress for installation of STP and the treated water to be

0-2000		V. 487st/W. 44	Section agreement of agreement of
S.No		Conditions	Compliance of Conditions
8	viii	be discharged outside the premises.	Complied. 'Zero' effluent discharge are being strictly followed and no wastewater are being discharged outside the premises.
9	ix	plant (Jigging plant) through hydraulic jazzing process. Discharge from metal recovery plant shall be monitored for the Chromium content and maintained within the permissible limit before recycling-and-reuse. Slag- tailings shall be dumped-in-own-premises in secured-land fill as per CPCR guidelines after recovery of the metal. Used oils/lubricants shall be sold to authorized recyclers / reprocessors.	Complied. Metal Recovery Plant has already been installed. Discharge from metal recovery plant are being monitored for the Chromium content and maintained within the permissible limit before recycling-and-reuse. Slag-tailings are being dumped-in-own-premises in secured-land fill as per CPCR guidelines after recovery of the metal. Used oil is being disposed within 90 days to authorized vendor according to hazardous authorization 2016.
10	×	Chromate sing shall be used for road making only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, Ferro chrome shall be recovered from the sing and output waste shall be disposed in secured landfill as per CPCB guidelines. All the other solid waste shall be properly disposed off in environment-friendly manner. No hazardous materials shall be spilled out and good house keeping practices shall be adopted. Hazardous waste shall be handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.	Complied. The slag is been reused as a filling in the low lying areas and for the road making purpose as per the approval of OSPCB. All the other solid waste are being properly disposed off in environment-friendly manner. No hazardous materials are being spilled out and good house keeping practices has already been adopted. Hazardous waste are being handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.
11	Ж	Product fines, flue dust should not be dumped anywhere but reused in the process. Flue dust and briquette plant dryer dust along with chrome ore fines shall be reused for making briquettes after ensuring non-hazardous in nature. Sewage sludge from Septic tank shall be used as manure.	Complied. The flue dust is reused by Collecting in Silo through chain conveyor and made into pellets, Pellets are charged into furnace on day-to-day basis. The work is under progress for use of sewage sludge from Septic tank as manure.
12	xli	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, OPCB and CPCB.	Complied. Solid and hazardous waste is being monitored and intimation to the concern authorities before and after the disposal of waste. FORM 4 annual report is submitted to OSPCB on yearly basis. Copy enclosed herewith as Annexure -C.
13	xiii	As proposed, green belt shall be developed in at least 84 acres (33 %) out of total 205.50 acres within and around the plant premises as per the CPCB guidelines in consultation with DFO.	We have developed greenbelt in & around the plant premises. However we are going to conduct green belt survey by engaging authorized third party to assess the actual percentage of coverage.
14	xiv	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chrome units shall be strictly implemented.	Complied. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chromunits are being implemented.
15	xv	All the issues raised during the Public Hearing / Public Consultation meeting and commitments made shall be satisfactorily implemented.	It has been clarified vide Para 4.0 of the Environment Clearance dated on 04.05.2009 that no public hearing is required as per section 7(ii) of EIA notification, 2006.
	В	General Condition	
-	58.	The project authorities must strictly adhere to the stipulations made by	All the necessary measures have been taken to adhere to the
1	0	the Orissa Pollution Control Board (OPCB) and the State Government.	stipulations made by Orissa Pollution Control (OPCB) and the State Government.
2	п	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No further modification / expansion has been carried out in the plant premises till date.
3	101	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	The industrial waste water are properly collected through garland drain and recycle to the process. The treated wastewater is being utilized for plantation purpose.



Page 2 of 3

		Six Monthly Environmental (For the period from April-2021 (
S.No		Conditions	Compliance of Conditions
4	iv	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have provided three nos rainwater harvesting pond in plant as well as colony area to conserve rain water and utilize in lean season.
5	v	The overall noise levels in and around the plunt area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Noise level is being monitored internally in all major working location inside the plant premises and are within the standard.
6	vi	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Perodic Medical Examination is being conducted yearly for all employees and workmen on regular basis and records are also being maintained as per the Factories Act.
7	vii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We are complying with all the environmental protection measures an safeguards recommended in the EIA/EMP report. Further, we have already engaged our CSR team for undertaking sociol economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
8	viii	As proposed, Rs. 10.00 Crores and Rs. 4.00 Crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	The company has been acquired by Vedanta Ltd. As per the order dated 30.01.2020 of National Company Law Tribunal Cuttuck bench, new board has also been constituted on dated 21.09.2020 pursuent to the order of NCLT and the provision of IBC - 2016. The new mamangement has already proposed specific budget to be utilized for environment pollution control measures and to implement the conditions stipulated by MOEF as well as the state government.
9.	ix	The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Monitoring data is being sent to OPCB on monthly basis. Six monthly compliance report submitted to MOEF herewith.
10	×	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the OPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envior.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	We have published and circulated the environment clearance of our plant on daily odia newspaper Samaj and Sambad dated 01.10.2009 for information of public. Copy enclose dherewith as Annexure.D.
11	хi	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	



Ajit Kumar Parida Factory Manager Ferro Alloya Corporation Ltd. D.P. Nagar, Randia Ehadrak-756135

Kalyani taboratories

78/944 PAHAL, BHUBANESWAR-752101, ODISRA

TEST REPORT NABL ULR NO : TC704321000007722P Test Report No 921 | 90011E2A KLPL/4/21/ENVN/01108 : 10 May-2021 Amendment No Amendment Date Reference W.NO-MAT/80/36/1920 DATED 05.06.2019 Customer Name FERRO ALLOYS CORPORATION LTD. Address CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. Date of receipt : 30-Apr-2021 Commenced On: 30-Apr-2021 Completion On: 03-May-2021 Sample Name FLUE GAS | STACK MONITORING Sample Condition GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED Quantity 2 NOS Ref.To Sampling Procedure: QSP-07 Parameters -Unit Standard Value Results Test Method Location & Date : DRYER STACK-4 DT-27.04.2021 Sulphur Dioxide mg/Nm3 16.8 15 11255(part-2):1985(RA 2014) Particulate Matter mg/Nm2 76.5 KILPL/SDP/AIR-06 trogen Dioxide mg/Nm3 27.3 15 11255 (part 7):2005 Location & Date # GCP STACK DT-28.04.2021 Sulphur Dioxide mg/Nm3 12.2 35 11755(part-2) 1985(RA 2014) Particulate Matter mg/Nm[®] KOLPL/SOP/AIR-06 64.4 Nitrogen Dioxide ma/Nm3 15 11255 (part-7) 2005 -18.5

Remarks

NIL

Any unusual feature observed during determination

NIL

End of Test Report

Analysed By

For Kalyani Laboratories Pvt. Ltd.

Authorised Signatory For Kalyani Laboratories Pvt. Ltd.

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Ratyani Laboratories

74/944 PAHAL, BHUBANESWAR-752301, ODISHA

TEST REPORT





NABL ULR NO

; TC704321000007856P

Issue Date

Test Report No

951 | 91071EB0 KLPL/5/21/ENVN/01136

: 05-Jun-2021 10

Amendment No

Amendment Date

Reference

W.NO-MAT/80/36/1920 DATED 05.06.2019 FERRO ALLOYS CORPORATION LTD.

Customer Name Address

29-May-2021

Commenced On: 29-May-2021

CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Completion On:

04-Jun-2021

Date of receipt Sample Name

Parameters

Location & Date

Sample Condition

FLUE GAS | STACK MONITORING

GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

: 2 NOS

Ref. To Sampling Procedure:

QSP-07

Unit Standard Value Results : DRYER STACK-4 DT-26.05.2021

15.1

74.5

25.2

13.9

Test Method

IS 11255(part-2):1985(RA 2014)

IS 11255(port 2) 1985(RA 2014)

Sulphur Dioxide Particulate Matter

mg/Nm²

IS 11255 (part-7):2005

KLPL/SDP/AIR-06

itrogen Dioxide Location & Date

Nitrogen Diaxide

: GCP STACK DT-27.05.2021

mg/Nm3

EmM\gm

mg/Nm3

mg/Nm³ Sulphur Dioxide mg/Nm³ Particulate Matter

66.3 20.6

KLPL/SDP/AIR-06 IS 11255 (part 7) 2005

Remarks

NEL

Any unusual feature observed during determination

D. Asylch

Analysed By For Kalyani Laboratories Pvt. Ltd.

1 rossinos Authorised Signatory

For Kalyani Laboratories Pvt. Ltd.





Katyani Laboratorius

78/944, PARAL BIRGRANDSWAR-252101; ODBSHA

TEST REPORT

NABL ULR NO

: TC704321000008051P

Amendment Date

Test Report No

984 | 92541F73 KLPL/6/21/ENVN/01178

: 15-Jul-2021 Issue Date

Amendment No

: W.NO-MAT/80/36/1920 DATED 05.06.2019

Reference Customer Name

: FERRO ALLOYS CORPORATION LTD.

Address

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Commenced On: 25-Jun-2021

Completion On: 26-Jun-2021

Date of receipt Sample Name

FLUE GAS | STACK MONITORING

Sample Condition

: GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

: 2 NOS

Ref. To Sampling Procedure:

QSP-07

: 25-Jun-2021

Parameters	Unit	Star	dard Value Res	sults Test Method
Location & Date	DRYER STACK-4	DT-23.06.20	121	NATIVE THE STATE OF THE STATE O
Sulphur Dioxide	mg/Nm ³	-	14.7	15 11255(part 2) 1985(RA 2014)
Particulate Matter	mg/Nm³	-	73.8	KLPL/SOP/AIR-06
Nitrogen Dioxide	mg/Nm3	-	24.1	IE 11255 (part 7) 2005
Location & Date :	GCP STACK DT-	24.06.2021		
Sulphur Dioxide	mg/Nm³	1-	12.9	15 11255(ppri-2) 1985(RA 2014)
Particulate Matter	mg/Nm²	-	65.1	KLPL/SDP/AIR-06
Nitrogen Dioxide	mg/Nm3	-	19.4	(S 11255 (part-7):2005

Remarks

Any unusual feature observed during determination

Analysed By Anileta For Kalyani Laboratories Pvt. Ltd.

Authorised Signatory For Kalyani Laboratories Pvt. Ltd.





Katyani Laboratories

TEST REPORT

: TC704321000008507P

1044 | 9679213B KLPL/7/21/ENVN/01212

Issue Date

Test Report No Amendment No

NABL ULR NO

W.NO-MAT/80/36/1920 DATED 05.06.2019

Reference Customer Name

FERRO ALLOYS CORPORATION LTD.

Address

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Date of receipt

: 31-Jul-2021

Commenced On: 31-Jul-2021

Amendment Date

Completion On: 02-Aug-2021

: 02-Aug-2021

Sample Name Sample Condition FLUE GAS | STACK MONITORING

: GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

: 2 NOS

Ref. To Sampling Procedure:

QSP-07

mg/Nm3

mg/Nm3

mg/Nm3

Parameters

Unit : DRYER STACK-4 DT-28.07.2021

Standard Value Results Test Method

Location & Date Sulphur Dioxide

17.5 IS 11255(pert-2):1985(RA 2014) KLPL/SOP/AIR-06 76.2

Nitrogen Dioxide

Particulate Matter

mg/Nm3

27.5

17.5

15 11295 (part 7) 2005

Location & Date

Nitrogen Dioxide

GCP STACK DT-29.07.2021

mg/Nm³ Sulphur Dioxide Particulate Matter mg/Nm³

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IS 11255(port-Z) 1985(RA 2014) 11.2 KLPL/EOPYAIN OF 63.3

15.11255 (part 7) 2005

Remarks

Any unusual feature observed during determination

: NIL

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Analysed By For Kalyani Laboratories Pvt. Ltd.

HARMER -Authorised Signatory

For Kalyani Laboratories Pvt. Ltd.





Katyani Laboratories

NABL ULR NO

Test Report No

Amendment No

Reference Customer Name

Address

78254 PARAL BHUBANESWAR-252101, ODISHA

TEST REPORT

Issue Date

15-11255 (part-7)-2005

: 04-Sep-2021

27

Completion On: 04-Sep-2021

Amendment Date

W.NO-MAT/80/36/1920 DATED 05.06.2019

KLPL/8/21/ENVN/012748

FERRO ALLOYS CORPORATION LTD.

mg/Nm3

: TC704321000008802P

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Date of receipt : 25-Aug-2021 Commenced On: 25-Aug-2021 Sample Name FLUE GAS | STACK MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

Ker. 10 Sampling Procedure:	QSP-U/			
Parameters	Unit	Standard	Value Resu	its Test Method
Location & Date	DRYER STACK-4	DT-26.08.20	21	TANADAN CANADAN CANADA
Sulphur Dioxide	mg/Nm³		14.2	IS 112S5(part-2) 1905(RA 2014)
articulate Matter	mg/Nm³	1-	72.4	KLPL/SOP/AIR-06
Nitrogen Dioxide	mg/Nm3	-	23.6	IS 11255 (part-7) 2005
Location & Date	GCP STACK DT-	27.08.2021		
Sulphur Dioxide	mg/Nm [±]		10.4	IS 11255(part 2)-1985(RA 2014)
Particulate Matter	ing/Nm³	114	60.7	KLPL/SGP/AIR-06

15.7

Remarks

Nitrogen Dioxide

NIL

Any unusual feature observed during determination

. NIL

porato

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Analysed By

For Kalyani Laboratories Pvt. Ltd.

Donneed Authorised Signatory

For Kalyani Laboratories Pvt. Ltd.



KALYANI LABORATORIES PVT. LTD. TRUSH, PAULAL BHUBANESWAR TRUIT DISISILA

Katyani taboratories

TEST REPORT





NABL ULR NO Test Report No : TC704321000009285P

1095 | KLPL/9/21/ENVN/01303

Issue Date

: 16-Oct-2021

Amendment No

2

W.NO MAT/80/35/1920 DATED 05.06.2019

Amendment Date 20

Reference Customer Name

FERRO ALLOYS CORPORATION LTD.

Address

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. : 23-Sep-2021

Commenced On: 23-Sep-2021

Completion On:

IS 11255(pert-2) 1985(RA 2014)

KLPL/SOP/AIR-06 IS 11255 (part-7) 2005 23-Sep-2021

Date of receipt Sample Name

FLUE GAS | STACK MONITORING : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Sample Condition Quantity

: 2 NOS

Ref. To Sampling Procedure: QSP-07

Parameters

Unit Standard Value Results

Location & Date

Nitrogen Dioxide

: DRYER STACK-4 DT-20.09.2021

Sulphur Diexide	mg/Nm³		20.5
Particulate Matter	mg/Nem3	1	78.3
Nitrogen Dioxide	mg/Nm3	1	29.5

Location & Date CCD CTACK DT 31 00 3031

Sulphur Dioxide	mg/Nm3	1-	16.5	IS 11265(part-2) 1985(RA 2014)
Particulate Molter	mg/Nm³	1-	66.8	KLPL/SOP/AIR-06
Nitrogen Dioxide	mg/Nm3		22.1	15 11255 (part-7) 2005

Remarks

: NIL

Any unusual feature observed during determination

2 NIL

Arukha

Analysed By For Kalyani Laboratories Pvt. Ltd. Authorised Signatory For Kalyani Laboratories Pvt. Ltd.





alyani Laboratories

TROOM, PAHAL, BHUBANESWAR-752101, CHISHA

TEST REPORT

NABL ULR NO

TC704321000007720P

Issue Date

: 10-May-2021

03-May-2021

Amendment No

920 | KLPL/4/21/ENVN/01103

15 S182(PART-2): 2001

15 5182 (PART 6) :2006

IS-5182(PART-23) 2006

KLPL/SGP/AIR-02

KLPL/SOP/AIR-19

Completion On:

Reference

W.NO-MAT/80/36/1920 DATED 05.06.2019

Amendment Date

Customer Name

FERRO ALLOYS CORPORATION LTD.

Address

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Date of receipt

Commenced On: 30-Apr-2021 : 30-Apr-2021

Sample Name

AMBIENT AIR QUALITY MONITORING GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Sample Condition

Parameters	Unit	Standard	Value Results	Test Method
ocation & Date : AUI	O GARAGE D	7-29-30.04.20	721	
Sulphur Dioxide	µg/m³	80	7.59	15 5182(PART-2) : 2001
litrogen Dioxide	-µg/m³	80	16.34	IS 5182 (PART 6) 2006
articulate Matter (PM10)	µg/m³	100	76.28	35 5152(PART-23) 2006
Particulate Matter (PM2.5)	190/m3	60	31.12	HLPUSGP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.32	KLPL/SDP/AIR-18
Location & Date : FPH	S & MRP PL	ANT DT-27-	28.04.2021	
Sulphur Dioxide	µg/m ³	80	9.91	15 51R2(PART-2) : 2001
Nitrogen Dioxide	µg/m³	80	14,10	15 Sab2 (PART 6) 2006
Particulate Matter (PM10)	µg/m³	100	74.25	IS 5182(PART-23) 2006
Particulate Matter (PM2.5)	µg/m³	60	16.91	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.41	KLPL/SOP/AIR-19
Location & Date : MR.	SS & CPP DT-	28-29.04.202	11	
Sulphur Dioxide	nd/w ₂	80	7.24	IS 5182(PART-2) : 2001
Nitrogen Dioxide	ug/m³	80	16.40	15 5162 (PART 6) 2005
Particulate Matter (PM10)	µg/m³	100	65.68	IS 5102(PART-23) :2006
Particulate Matter (PM2.5)	µg/m²	60	21.56	KLPL/SDP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.98	KLPL/SQP/AIR-19

µg/m³ Sulphur Dioxide µg/m³ 80 15.05 Nitrogen Dioxide 63.57 Particulate Matter (PM10) 100 µg/m³

μg/m³

mg/m3

Particulate Matter (PM2.5)

Carbon Monoxide (CO) (01 Hrs.)

80

60

04

22.33 2.09

8.12

D.P.Nagar, Randia Bhadrax-756135

yani taboratories

TEST REPORT

DODG PARAL BROBANESWAR 752161 CONSIGN





NABL ULR NO Test Report No : TC704321000007857P

952 | 91061EB1 KLPL/5/21/ENVN/01135

Issue Date

: 05-Jun-2021

Amendment No

Amendment Date

Reference

W.NO-MAT/80/36/1920 DATED 05.06.2019 FERRO ALLOYS CORPORATION LTD.

2-

Customer Name Address

CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Commenced On: 29-May-2021

Completion On: 04-Jun-2021

Date of receipt Sample Name Sample Condition

AMBIENT AIR QUALITY MONITORING

: GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

: 4 NOS. 050-07

Quantity . 4 M				
Ref. To Sampling Procedure: QSP	W2001	III III II I	AVERTON TO THE WORLD THE TOTAL THE TANK	WIND WINDOWS
Parameters	Unit		Value Results	Test Method
Location & Date : AUT	O GARAGE D	7-27-28.05.20	021	
Sulphur Dioxide	µg/m³	80	8.88	IS 5182(PART-2) : 2001
Nitrogen Dioxide	μg/m³	80	16.45	IS 5182 (PART 6.):2006
Particulate Matter (PM10)	μg/m³	100	69.47	IS 5182(PART-23) 2005
Particulate Matter (PM2.5)	fr8/w ₃	60	3242	KLPL/SO9/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.26	XLPL/SOP/AIR-19
Location & Date : FPH	IS & MRP PL	ANT DT-25-	26.05.2021	
Sulphur Dioxide	µg/m³	80	9.87	IS 5182(PART-2) - 2001
Nitrogen Dioxide	m/m³	80	17.48	IS 5182 (PART 6) 2006
Particulate Matter (PM10)	µg/m³	100	71.45	IS 5182(PART-23) -2006
Particulate Matter (PM2.5)	h8\w ₃	60	34.34	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.44	KLPL/SOP/AIR-19
Location & Date : MR.	SS & CPP DT-	26-27.05.202	21	
Sulphur Dioxide	tid/w ₃	80	9.21	15 5182(PART-2) 2001
trogen Dioxide	ug/m³	80	16.30	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	pg/m³	100	72.35	IS-5182(PART-21)::2006
Particulate Matter (PM2.5)	µg/m³	60	35.41	KLPL/SOP/ATR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	3.02	KLPL/SOP/ATR-19
Location & Date : R &	C LAB DT-24	1-25.05.2021		
Sulphur Dioxide	uq/m³	80	8.27	IS 5182(PART-2) : 2001
Nitrogen Dioxide	μg/m³	80	15.79	15 5182 (PART 6.) -2006
Particulate Matter (PM10)	µg/m³	100	66.68	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m³	60	31.12	KLPL/SCP/AIR-D7
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.12	KLPL/SOPyAIR-19





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20044 PARAL BRUBANESWAR-253104 (WIRSHA

TEST REPORT

L ULR NO

t Report No

: TC704321000008050P

Amendment Date

nendment No

983 | 92531F72 KLPL/6/21/ENVN/01177

: 15-Jul-2021

Reference

: W.NO-MAT/80/36/1920 DATED 05.06.2019

Customer Name

FERRO ALLOYS CORPORATION LTD.

Address Date of receipt : CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

: 25-Jun-2021

Commenced On: 25-Jun-2021

Sample Name

AMBIENT AIR QUALITY MONITORING

Sample Condition

: GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

Ref. To Sampling Procedure: QS	P-07			
Parameters	Unit	Stan	dard Value Res	ults Test Method
Location & Date : AU	TO GARAGE E	T-24-25.06.2	1021	THE RESERVE OF THE RE
Sulphur Dioxide	µg/m³	80	7.92	IS 5182(PART-2) 2001
Nitrogen Dioxide	n8/w₅	80	17,94	IS 5182 (PART 6.):2006
articulate Matter (PMIO)	nd/w _g	100	65.75	15 5162(PART-23) :2006
Particulate Matter (PM2.5)	hd/w ₃	60	30.90	ICPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.22	RLPL/SOF/AIR-19
ocation & Date : FPI	HS & MRP PI	ANT DT-22-	23.06.2021	
Sulphur Dioxide	µg/m²	80	7,43	IS 5182(PART-2) 2001
Nitrogen Dioxide	µg/m³	80	14.58	H5 5182 (PART 6) 2506
Particulate Matter (PM10)	μg/m³	100	70.50	15 5187(PART-23) .2006
articulate Matter (PM2.5)	μg/m³	60	33.13	KLPL/SDP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.41	KUPL/SOP/AIR-19
ocation & Date : MR.	SS & CPP DT-	23-24.06.202	21	
Sulphur Dioxide	µg/m³	80	9.74	IS \$182(PART-2) : 2001
trogen Dioxide	µg/m³	80	15.28	IS 5182 (PART 6.) 12006
articulate Matter (PM10)	µg/m³	100	64.39	15 5162(PART-23) :2006
articulate Matter (PM2.5)	µg/m³	60	30.26	KUPL/SOP/AIR 02
arbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2,95	KUPL/SOP/AIR-19
ocation & Date : R &	C LAB DT-21	-22.06.2021	1	10
ulphur Dioxide	pg/m³	80	9.92	15 \$182(PART-2) : 2001
itrogen Dioxide	µg/m³	80	15.93	IS 5182 (PART 6) 2006
articulate Matter (PM10)	μg/m³	100	62.80	IS 5382(PART-23) 2006
articulate Matter (PM2.5)	µg/m³	60	29,51	KLPL/SOP/AIR-OZ
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.08	KLPL/SOP/AIR-19





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TRIVIA BAHAS, BIRLIBANESWAR 732101, OFRSHA

TEST REPORT

NABL ULR NO

: TC704321000008506P

123

Test Report No

1043 | 9678213A KLPL/7/21/ENVN/01211

Issue Date

: 02-Aug-2021 Amendment Date 10

Amendment No

Reference

: W.NO-MAT/80/36/1920 DATED 05.06.2019

Customer Name Arldress

FERRO ALLOYS CORPORATION LTD.

Date of receipt

Quantity.

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. 31-Jul-2021

Commenced On: 31-Jul-2021

Completion On:

02-Aug-2021

Sample Name Sample Condition

AMBIENT AIR QUALITY MONITORING GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

80

80

100

60

4 NOS

Ref. To Sampling Procedure:

OSP-07

Paramet	en		
Location	St.	Date	

μg/m³

pp/m³

pg/m3

po/m³

rm/gu

µg/m³

no/m3

ug/m³

Unit Standard Value Results : AUTO GARAGE DT-29-30.07.2021

Test Method

	Sulphur Dioxide
2	Nitrogen Dioxide
1	Particulate Matter (PM10)

Particulate Matter (PM2.5)

µg/m³ ug/m³

ug/m³

12.81 56.36

28.18

8.51

IS 5182 (PART 6) 2006 15 5182(PART-23) 2006

IS 5182(PART-1) 2001

KLPL/SOP/AIR-02



FPHS & MRP	PLANT	DT-27-28.07.2021

Nitrogen Dio	xide
Particulate M	fatter (PM10)
	labbas (MAI) Es

Particulate Matter (PM2.5)

µg/m³ 80 7.5 80

50

100

60

80

100 57.28 30.84

15 5182(PART-2) - 2001 15 5182 (PART 6) 2006

15 5182(PART-23) 2006 KLPL/SOF/AIR-02

Location & Date Sulphur Dioxide

: MRSS & CPP DT-28-29.07.2021

Nitrogen (Dioxide
Particulate	Matter (PM10
, articulate	Matter (PM2.5

80 80 14.24

15 5182(PART-2) 2001 IS SIEZ (PART 6) 2006

15 5182(PART 23) 2006 KLPL/SOP/AIR-02

Location & Date Sulphur Dioxide

: R & C LAB DT-216-27.07.2021

Nitrogen Di	ioxide
Particulate	Matter (PM10)
Particulate	Matter (PM2.5)

ug/m³

9.92 15.93

53.82

25.91

51.51

25.75

15 5182(PART-2) 2001 IS 5182 (PART 6) 3006

15 S182(PART-23) 2006

KLPL/SDP/AIR-OZ

Remarks

. NII

Any unusual feature observed during determination End of Test Report

2 NIL

D. Arypha Analysed By

For Kalyani Laboratories Pvt. Ltd.



DESTREET Authorised Signatory For Kalyani Laboratories Pvt. Ltd.



and taboratories

DESIGNATION OF THE PROPERTY OF

TEST REPORT





IABL ULR NO Test Report No TC704321000008802P

Issue Date

KLPL/8/21/ENVN/01274A

: 04-Sep-2021

Amendment No

Amendment Date

Reference Customer Name W.NO-MAT/80/36/1920 DATED 05:05:2019 FERRO ALLOYS CORPORATION LTD.

Address

CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135,E: IADRAK, ODISHA.

Date of receipt

25-Aug-2021

Commenced On: 25-Aug-2021

Completion On:

04-Sep-2021

Sample Name

AMBIENT AIR QUALITY MONITORING

Sample Condition

GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

4 NOS

Quantity

Ref.To Sampling Procedure: QS	SP-07			
Parameters	Unit	Stano	ard Value Resi	uits Test Method
	UTO GARAGE D			ma (est ricing)
Sulphur Dioxide	hā/m _a	80	8.75	IS 5182(PART-2) = 2001
trogen Dioxide	pg/m³	80	16.12	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	pg/m³	100	58.84	15 5182(PART-23) :2006
Particulate Matter (PM2.5)	hd\ura	60	27.16	XLPL/SOP/AIR-02
Location & Date : Fi	PHS & MRP PI	ANT DT-25-	26.08.2021	
Sulphur Dioxide	µg/m³	50	9.92	19 9102(FART-3) . 2001
Nitrogen Dioxide	µg/m²	80	14.83	IS \$102 (PART 6.) 2006
Particulate Matter (PM10)	μg/m²	100	53.35	IS 5182(PART-23) 2006
Particulate Matter (PM2.5)	µg/m³	60	26.67	KLPL/SQP/AIR-Q2
Location & Date : M	RSS & CPP DT-	-26-27.08.202	1	
Sulphur Dioxide	µg/m³	80	9.74	15 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m³	80	17.78	1S S182 (PART 6) 2006
Particulate Matter (PM10)	ug/m³	100	61.69	5 5182(hwitt-53) 7000
articulate Matter (PM2.5)	µg/m³	60	30.84	KLPL/SGP/AIR-02
Location & Date : R	& C LAB DT-24	1-25.08.2021		
Sulphur Dioxide	μg/m³	80	8.30	IS 5182(PART-2) : 2001

16.37

58.05

31.26

Remarks

Nitrogen Dioxide

Particulate Matter (PM10)

Particulate Matter (PM2.5)

: NIL

Any unusual feature observed during determination

Analysed By For Kalyani Laboratories Pvt. Ltd.



80

100

60

ug/m³

µg/m3

ug/m³

Authorised Signatory For Kalyani Laboratories Pvt. Ltd.

15-5192 (PART 6) -2006

IS 3182(PART-23) 2006

KLPL/SONAIR-02



atyani Laboratorius

TROOT, PARAL BIRLHANESWAR 752101, ODISHA

TEST REPORT



: TC704321000009283P NABL ULR NO Test Report No

1094 | KLPL/9/21/ENVN/01302

Issue Date

Completion On:

Amendment No

: 16-Oct-2021

Reference

: W.NO-MAT/80/36/1920 DATED 05.06.2019

Amendment Date -

Customer Name

: FERRO ALLOYS CORPORATION LTD.

Parameters ... Location & Date

Sulphur Dioxide

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135.BHADRAK, ODISHA.

Commenced On: 23-Sep-2021

27-Sep-2021

Date of receipt Sample Name

: 23-Sep-2021 AMBIENT AIR QUALITY MONITORING

Sample Condition

GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

4 NOS Quantity QSP-07 Ref. To Sampling Procedure:

ug/m²

µg/m³

µg/m³

		Unit	Standard Value	Results	
1	AUTO GA	RAGE DT	-22-23-28.09.2021		

80

80

75 5182[PART 2] - 2001
IS 5182 (PART 6) :2006

IS 5182(PART-23) :2006

Nitrogen Dioxide Particulate Matter (PM10)

Particulate Matter (PM2.5)

60.77 27.16 60

8.75

16.12

26.67

KLPL/SOP/ASR-02

: FPHS & MRP PLANT DT-20-21.01.2021 Location & Date

Sulphur Dioxide	µg/m³	80	9.92	15 5182(PART-21 / 2001
Nitrogen Dioxide	pg/m³	80	14.83	15 5182 (PART 6.) 2006
Particulate Matter (PM10)	µg/m³	100	69.79	15 5182(PART-23) 2006

ug/m³ Particulate Matter (PM2.5)

		Name of the last		
15	51112	(PART	6)	2006

KUPL/SOP/ATR-02
100 W

: MRSS & CPP DT-21-22.09.2021 Location & Date

Sulphur Dioxide	hā/w _a	80	9.74	ts 5182(PART-Z) : 2001
Nitrogen Dioxide	hd/w ₂	80	17.78	15 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m³	100	68,68	IS 5182(PART-23) 2006
Particulate Matter (PM2.5)	hd/w _a	60	30.84	KLPL/SOP/AIR-02

Location & Date : F	& C LAB DT-19	-20.09.2021		
Sulphur Dioxide	µg/m³	80	8.30	IS S182(PART-2) 2001
Nitrogen Dioxide	µg/m³	80	16.37	35 5182 (PART 6) 2005
Particulate Matter (PM10)	pg/m³	100	63,37	IS 51H2(PART-23) 2006
Pasticulate Matter (OM2 5)	Lug/m³	60	31.26	KLPL/5CP/AIR-02

Remarks

: NIL

Any unusual feature observed during determination

: NIL

Analysed By For Kalyani Laboratories Pvt. Ltd.



monder Authorised Signatory For Kalyani Laboratories Pvt. Ltd





Registered Office:

FERRO ALLOYS CORPORATION LIMITED

Charge Chrome Plant

D.P. Nagar, P.O. Randia, Pin-756 135

Dist.- Bhadrak, Odisha, India

Phone : 06784 - 240272 / 240347 / 240320

Fax

06784 - 240626

E-mail

facorccp@facorccp.in / facorccp@gmail.com

facorocp@dataone in / bls_facorocp@bsnl.in

Website : www.facorgroup.in

CIN No. : L45201OR1955PLC008400

Ref. No:FACOR/HSE/COZP/ 25 - 62

Dt. 08.07.2021

To,

The Member Secretary State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar.

Sub: Submission of Annual Return in Form-4 under Hazardous Waste (Management & Handling) Rules, 1989 by M/s Ferro Alloys Corporation Ltd, Charge Chrome Plant, Randia, Bhadrak.

Dear Sir,

We refer to the subject cited above and enclose herewith the Annual Return regarding handling of Hazardous Waste in Form-4, duly filled in for the year 2020-21 by M/s Ferro Alloys Corporation Ltd., Charge Chrome Plant for your kind information and record.

Thanking you,

Yours faithfully, For Ferro Alloys Corporation Ltd

Ajit Kumar Parida Head (O&M)-CCP



Head Office: Ferro Alloys Corporation Ltd., Shreeram Bhawan, Tumsar 441912, Dist.- Bhandara, Maharashtra, India

Ph.: (07183) 233090/232233, Fax : 232271, E-Mail : facorho@facorgroup.in

Corp. Office: Ferro Alloys Corporation Ltd., Facor House, A-45-50, Sector-16, Noida- 201301 (U.P.) Ph.: (0120) 4171000, Fax No.: (0120) 4256700, E-mail: facordelhi@facorgroup.in

FORM 4

[See rules 5(6) and 22 (2)]

FORM FOR FILING ANNUAL RETURNS BY THE OCCUPIER OR OPERATOR OF FACILITY

[To be submitted by occupier/operator of disposal facility to State Pollution Control Board/Pollution Control Committee by 30th June of every year for the preceding period April to March]

1.	Name and address of the generator/operator of facility	·		Ferro Alloys Corporation Ltd., Charge Chrome plant At- Randia, Dist- Bhadrak				
2.	Name of the authorised person and full address with telephone and fax number	83	Cha Pho	Ir. Ajit Parida, Head (O&M) harge Chrome Plant, D.P.Nagar, Randia, Bhadral hone: 06784-240516 ax: 06784-240626				
3.	Description of hazardous waste			ysical form scription	with ,	Chemical f	orm	
			Use	d Oil		Stream-5.1	, Schedule-I	
			Flu	e gas clean	ing residue	Stream-35.	1, Schedule-I	
	F		Wa	ste contain	ing oil	Stream-5.2	, Schedule-I	
	721	П	Em	pty Barrels	3	Stream-33.	1, Schedule-I	
4.	Quantity of hazardous wastes	13		pe of hazar	dous waste	Quantity (i	n Tonnes/KL	
	(in MTA)		(a)	(a) Used oil		0.00 KL		
			(b) I	ъ) Flue dust		1701.77M	Γ	
			(c)	Waste con	taining oil	0.00 MT		
			(d)	Empty Bar	rrels	39 nos.		
	Description of Storage		con qua 2.W 3. F	 Used oil collected in drums and are being stored concrete platform under shed. After generation of I quantity we used to sell it to registered recycler. Waste containing oil has been utilized in furnace. Flue dust are being utilized as raw material in the furnace after making pallets / briquettes. 				
б.	Description of Treatment	:	N.A					
7.	Details of transportation	:	NA	Name & address of	Mode of packing	Mode of transportation	Date of transportation	
8.	Details of disposal of hazardous waste	*		Name & address of	Mode of packing	Mode of transportation	Date of transportation	
					n the furnac	T are utilized : e after making		
9.	Quantity of useful materials sent back		NA	Name and	tvpe of	Quantity i	n	

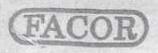
D.P.Nagar.Randia Bliadrak-756135 (AHSIGO)

Date: 08.07.2021

Place: Bhadrak

Signature :

Designation: Head (08m)



CHARGE CHROME PLANT

COPY

Ref.: CCP/Mech/78 Date: 03.10.2009

THROUGH COURIER SERVICE

The Environmental Engineer-II, State Pollution Control Board, Orissa, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, BHUBANESWAR - 751 012.

Dear Sir,

Sub: Display of copy of Environmental Clearance for 30 days for reference of Public.

Ref. : Your Memo No. 14880 dated 16.09.09.

With reference to your above Memo and general condition No. X of Environmental Clearance, we have displayed an advertisement regarding Environmental Clearance on 1st October '09 in the daily Oriya Newspaper, SAMAJ and SAMBAD for information of Public. Copy of the same are enclosed herewith for your kind information and record.

Thanking you,

Yours faithfully, for Ferro Alloys Corporation Ltd., Charge Chrome Plant.

(P.G. SURESH KUMAR) GENERAL MANAGER

Encl : As above.

Cc to : Collector & District Magistrate, Bhadrak.
General Manager, D.L.C., Bhadrak.

Regional Officer, State Pollution Control Board, Balasore.

Cc to: SM (PRASS), SM (Maint.), MF, REC.



		Six Monthly Environmental C For the period from October-20	
S.No		Conditions	Compliance of Conditions
1	1	Specific Conditions Continuous monitoring facilities for all the stacks and sufficient air pollution control (equipments viz. fume extraction system, cyclones and bag filters to the gas cleaning plant (GCP), IO fan and stack of adequate height to submerged arc furnace shall be provided to control particulate matter emissions below 100 mg/Nm ^a . Bag filters shall be provided to control the dust generated from the briquetting plant. The Orissa Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Complied. The exhaust gas from the semi opened Smelting Arc Furnace generated at a temperature of over 350°C containing dust Particulates, Sulphur Dioxide; Oxides of Nitrogen, Carbon Monoxide is cleaned by Dry Gas Cleaning Plant. GCP consists of Ducts, Equalizer, Trombone Cooler, ID Fan, Bag Filters for separation of dust from the flue gas. Regular preventive maintenance of pollution control equipments are carried out. AAQMS and Stack monitoring is done by authorized 3rd Party on monthly basis. Report enclosed herewith as Annexure -A. The emission level are within prescribed standard.
2	ī	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NOx are anticipated in consultation with the OPCB. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, OPCB and CPCB once in six months.	Complied. The ambient air quality monitoring is done in four different location of the plant - Auto garage, MRP Plant, MRSS and R&C Lab. Stack monitoring of GCP and Dryer stack is done by authorized 3rd party Kalyani laboratories PVT. LTD, Data on ambient air quality and stack emission are being regularly submitted to OSPCB.
3	ııı	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Dry fog dust suppression system will be provided at crushing (and screening section of metal recovery plant to control fugitive emissions generated during crushing, screening etc. Dust extraction system shall be provided to control the fugitive dust from raw material handling, screening and conveying section along with product handling section, transfer and feeding points to control fugitive dust emissions to meet the OPCB norms. Internal roads shall be made black topped and asphalted. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.	Complied. In order to control the fugitive emission there are bag filters attached to dryer plant. Water sprinklers are provided at storage hopper and feeding points of raw material handling system. Plant roads & approach roads have already made concreted, with the help of one water tankers of 10KL capacity are being sprinkled over the roads throughout the working shift to prevent the dust emanation due to vehicular movement.
4	W	Data on ambient air quality, stack emissions and fugitive emissions shall be uploaded on the Company's website and also regularly submitted online to the Ministry's Regional Office at Bhubaneswar, Orissa Pollution Control Board (OPCB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months. Data on SPM, SO ₂ and NOx shall also be displayed prominently outside the premises at the appropriate place for the information of general public.	Authorized 3rd party monitoring report of air quality and stack emission is been submitted in monthly for the concern Orissa Pollution Control Board (OPCB). Report enclosed herewith as Annexure - B. Data on ambient air quality, stack emission and fugitive emissions will be uploaded on company's webiste shortly after resumption of server error in the company portal. Data on SPM, SO ₂ and NOx are being displayed prominently outside the premises at the appropriate place for the information of general public.
5	v	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	Complied. Secondary fugitive emissions are being controlled by bag houses at dryer & briquetting plant, water sprinklers and water tankers all other area of the plant.
6	vi	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	Complied. The water tanker of 10KLD capacity are being used as dust supression on concrete roads through out working shift with proper housekeeping contract service to control dust emissions during loading and unloading of the raw material and finished product.
7	vii	Total water requirement should not exceed 168 m³/day ground water as per the 'permission' accorded by the Central Ground Water Authority vide letter no. 21 4(74)/SER/CGWA/2008-1281 dated 24h October, 2008. Closed circuit cooling system shall be adopted to reduce water consumption. Effluent from Soft water plant shall be neutralized and collected in equalization-cum-settling pond and clear water recycled/reused for dust suppression, metal cooling, siag granulation, green belt development and other plant related activities within the plant premises. Cooling under blow down shall be treated and completely recycled. Wastewater from Jigging Plant shall be treated in a settling tank and reused in Jigging plant. No wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Domestic wastewater shall be treated in septic tanks followed by soak pit system and used for green belt development.	for use of ground water in our charge chorme plant and the total water are beign used within the prescribed limit of CGWA. Closed circuit cooling system are being adopted to reduce water consumption. No wastewater are being discharged outside the factory premises an



S.No		Conditions	Compliance of Conditions
8	viii	Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.	Complied. 'Zero' effluent discharge are being strictly followed and no wastewater are being discharged outside the premises.
9	ix	plant (Jigging plant) through hydraulic jazzing process. Discharge from metal recovery plant shall be monitored for the Chromium content and maintained within the permissible limit before recycling-and-reuse. Slag- tailings shall be dumped-in-own-premises in secured-land fill as per CPCR guidelines after recovery of the metal. Used oils/lubricants shall be sold to	Complied. Metal Recovery Plant has already been installed. Discharge from metal recovery plant are being monitored for the Chromium content and maintained within the permissible limit before recycling-and-reuse. Slag-tailings are being dumped-in-own-premises in secured-land fill as per CPCR guidelines after recovery of the metal. Used oil is being disposed within 90 days to authorized vendor according to hazardous authorization 2016.
10	×	Chromate slag shall be used for road making only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, Ferro chrome shall be recovered from the slag and output waste shall be disposed in secured landfill as per CPCB guidelines. All the other solid waste shall be properly disposed off in environment-friendly manner. No hazardous materials shall be spilled out and good house keeping practices shall be adopted. Hazardous waste shall be handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.	Complied. The slag is been reused as a filling in the low lying areas and for the road making purpose as per the approval of OSPCB. All the other solid waste are being properly disposed off in environment-friendly manner. No hazardous materials are being spilled out and good house keeping practices has already been adopted. Hazardous waste are being handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.
11	xi	Product fines, flue dust should not be dumped anywhere but reused in the process. Flue dust and briquette plant dryer dust along with chrome ore fines shall be reused for making briquettes after ensuring non-hazardous in nature. Sewage sludge from Septic tank shall be used as manure.	Complied. The flue dust is reused by Collecting in Silo through chain conveyor and made into peliets, Peliets are charged into furnace on day-to-day basis. The work is under progress for use of sewage sludge from Septic tank as manure.
12	жit	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, OPCB and CPCS.	Compiled. Solid and hazardous waste is being monitored and intimation to the concern authorities before and after the disposal of waste. FORM 4 annual report is submitted to OSPCB on yearly basis. Copy enclosed herewith as Annexure -C.
13	жій	As proposed, green belt shall be developed in at least 84 acres (33 %) out of total 205.50 acres within and around the plant premises as per the CPCB guidelines in consultation with DFO.	We have developed greenbelt in & around the plant premises. However we are going to conduct green belt survey by engaging authorized third party to assess the actual percentage of coverage.
14	xlv	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chrome units shall be strictly implemented.	Complied. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chromiunits are being implemented.
15	XV	All the issues raised during the Public Hearing / Public Consultation meeting and commitments made shall be satisfactorily implemented.	It has been clarified vide Para 4.0 of the Environment Clearance dated on 04.05.2009 that no public hearing is required as per section 7(ii) of EIA notification, 2006.
	В	General Condition	
1	ì	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government.	All the necessary measures have been taken to adhere to the stipulations made by Orissa Pollution Control (OPCB) and the State Government.
2	H	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No further modification / expansion has been carried out in the plant premises till date.
3	m	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	The Industrial waste water are properly collected through garland drain and recycle to the process. The treated wastewater is being utilized for plantation purpose.



		Six Monthly Environmental C For the period from October-20	
5.No		Conditions	Compliance of Conditions
4	ív	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have provided three nos rainwater harvesting pond in plant as well as colony area to conserve rain water and utilize in lean season.
5	v	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Noise level is being monitored internally in all major working location inside the plant premises and are within the standard.
G	vi	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Perodic Medical Examination is being conducted yearly for all employees and workmen on regular basis and records are also being maintained as per the Factories Act.
7	vii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We are complying with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, we have already engaged our CSR team for undertaking sociol economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
8	VIII	As proposed, Rs. 10.00 Crores and Rs. 4.00 Crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	The company has been acquired by Vedanta Ltd. As per the order dated 30.01.2020 of National Company Law Tribunal Cuttuck bench. A new board has also been constituted on dated 21.09.2020 pursuent to the order of NCLT and the provision of IBC - 2016. The new mamangement has already proposed specific budget to be utilized for environment pollution control measures and to implement the conditions stipulated by MOEF as well as the state government.
9	ix	The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Monitoring data is being sent to OPCB on monthly basis. Six monthly compliance report submitted to MOEF herewith.
10	×	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the OPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This shall be advertised within seven days from the date of Issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	
11	хi	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	S POT SOE-STORE



Ajit Kumar Parida Factory Manager Ferro Alloya Corporation Ltd. D.P. Nagar, Randia Ehadrak-756135

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78/944, PAHAL BHUBANESWAR-752101, ODISHA

ABL ULR NO	; TC	70432000000	5198P	I KEPUKI	(8)	
Fest Report No Amendment No Reference Customer Name Address Date of receipt	; - ; W. ; FE ; CH	NO-MAT/80/36/ RRO ALLOYS	1920 DATED OF CORPORATION PLANT, D.P. NA	LTD.	Issue Date Amendment Date 5,BHADRAK,ODISHA.	# 09-Nov-2020
Sample Name Sample Condition Quantity Ref.To Sampling Proced	: GA : 21	UE GAS STAC SEOUS SAMPLE IOS P-07	K MONITORII	NG DLUTIONS REFRIGER		On: 02-Nov-2020
Location & Date	t DR	YER STACK-4			Za de tingo	
Sulphur Dioxide		mg/Nm²	1.	14.3	IS 11255(part-2):1985(RU	2014)
		mg/Nm²	-	14.3 72.9	IS 11255(part-2):1985(RJ KLPL/SOP/AIR-06	2014)
Particulate Matter		_1			THE STREET, STORY STREET,	2014)
Particulate Matter	; GC	mg/Nm³	-	72.9	KLPL/SOP/AIR-06	3 2014)
Particulate Matter Nitrogen Dioxidecation & Date	; GC	mg/Nm3	-	72.9	KLPL/SOP/AIR-06	
Sulphur Dioxide Particulate Matter Nitrogen Dioxide _cation & Date Sulphur Dioxide Particulate Matter	; GC	mg/Nm³ mg/Nm3 P STACK DT-	30.10.2020	72.9	KLPL/SOP/AIR-06 IS 11255 (part-7):2005	

: NIL

Any unusual feature observed during determination

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Analysed By For Kalyani Laboratories Pvt. Ltd.

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Authorised Signatory For Kalyani Laboratories Pvt. Ltd.





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TRIBAL FAHAL BURTHAMPSWAR, TATIOL DEISHA

TEST REPORT NARI III R NO : TC704320000005240P Test Report No 651 | 60771478 KLPL/11/20/ENVN/00815 Issue Date : 18-Nov-2020 Amendment No Amendment Date 1 -Reference : W.NO-MAT/80/36/1920 DATED 05.06.2019 Customer Name : FERRO ALLOYS CORPORATION LTD. Address : CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. Date of receipt 13-Nov-2020 Commenced On : 13-Nov-2020 Completion On: 14-Nov-2020 Sample Name FLUE GAS | STACK MONITORING Sample Condition GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED : 2 NOS Ref. To Sampling Procedure: KLPL/SOP/AIR-06 Parameters. Unit Standard Value Results Test Method Location & Date : DRYER STACK-4 DT-12.11.2020 Sulphur Dioxide mg/Nmi3 16.8 IS 11255(part-2) 1985(RA 2014) Particulate Matter mg/Nm² 77.4 KLPL/SDP/ATR-66 Nitrogen Dioxide mg/Nm3 15 11255 (part 7):2005 Location & Date : GCP STACK DT-11.112.2020 Sulphur Dioxide mg/Nm? 12.1 IS 11255(pert-2):1985(RA 2014) Particulate Matter mg/Nm3 66.04 KLPL/SOP/AIR-D6 Nitrogen Dioxide mg/Nm3 19.5 15 11255 (part 7) 2005

Remarks

NIL

Any unusual feature observed during determination

: NIL

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Analysed By

For Kalyani Laboratories Pvt. Ltd.

Authorised Signatory
For Kalyani Laboratories Pvt. Ltd.





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Calyani Laboratories

7E944, PAHAL BRUBANESWAR, 732991, ODISHA

NABL ULR NO : TC704320000005587P Test Report No 694 | 660015000 KLPL/12/20/ENVN/00890 Issue Date : 28-Dec-2020 Amendment No Amendment Date Reference : W.NO-MAT/80/36/1920 DATED 05.06.2019 Customer Name FERRO ALLOYS CORPORATION LTD. Address CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. Date of receipt 26-Dec-2020 Commenced On: 26-Dec-2020 Completion On: 28-Dec-2020 Sample Name FLUE GAS | STACK MONITORING Sample Condition GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED Quantity 2 NOS Ref.To Sampling Procedure: QSP-07 Farameters . Unit Standard Value Results Test Method Location & Date : DRYER STACK-4 DT-23.12.2020 Sulphur Dioxide mg/Nm3 15.2 IS 11255(part-2): 1985(RA 2014). articulate Matter mg/Nm3 KLPL/SOP/AIR-06 Nitrogen Dioxide mg/Nm3 25.2 15 11755 (part-7) 2005 Location & Date : GCP STACK DT-24.12.2020

15.7

68.6

21.2

TEST REPORT

Remarks

Sulphur Dioxide

Particulate Matter

Nitrogen Dioxide

- NTL

mg/Nm3

mg/Nm³

mg/Nm3

Any unusual feature observed during determination TREET TO A STATE OF THE STATE O

: NIL

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For Kalyani Laboratories Pvt. Ltd.

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Authorised Signatory For Kalyani Laboratories Pvt. Ltd.

IS 11255(part-7) 1985(RA 2014)

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IS 11255 (part-7) 2005





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78/944 PAHAL BIRJBANESWAR-752161 ODDING

TEST REPORT



NABL ULR NO Test Report No : TC704321000005884P 729 | 718816FC KLPL/1/21/ENVN/00926

Issue Date

: 23-Jan-2021

Amendment No

W.NO-MAT/80/36/1920 DATED 05.06.2019

Reference Customer Name

FERRO ALLOYS CORPORATION LTD.

Amendment Date

Address

CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Completion On: 20-Jan-2021

Date of receipt

19-Jan-2021

Commenced On: 19-Jan-2021

Sample Name Sample Condition

FLUE GAS | STACK MONITORING : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity Ref. To Sampling Procedure:

Parameters:

Unic Standard Value Results Test Method

Location & Date

GCP STACK DT-15.01.2021

Sulphur Dioxide	mg/Nm²	13.4	IS 11255(part-2) 1985(RA 2014)
rticulate Matter	mg/Nm*	65.4	KLPL/SGP/AIR-06
Nitrogen Dioxide	mg/Nm3	 19.4	IS 11255 (part 7) 2005

Location & Date : DRYER STACK-4 DT-16.01.2021						
Sulphur Dioxide	mg/Hm³	146	17.1	IS 11255(part-2):1985(RA 2014)		
Particulate Matter	mg/Nm³	-	77.2	KLPL/SOP/AIR-06		
Nitrogen Dioxide	mg/Nm3	1	27.3	15 \$1255 (part-7) 2005		

Remarks

: NIL

Any unusual feature observed during determination End of Test Report

2 NIL

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Analysed By

For Kalyani Laboratories Pvt. Ltd.

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Authorised Signatory For Kalyani Laboratories Pvt. Ltd.





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78/944, PAHAL, BHEBANESWAR, 753101, ODISHA

TEST REPORT

Commenced On: 26-Feb-2021





NABL ULR NO Test Report No : TC704321000006404P

805 | 77281904 KLPL/2/21/ENVN/00992

Issue Date

: 27-Feb-2021

Amendment No

: W.NO-MAT/80/36/1920 DATED 05.06.2019

Amendment Date

Reference

: FERRO ALLOYS CORPORATION LTD.

: -

Customer Name Address

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Completion On:

27-Feb-2021

Date of receipt Sample Name

Sample Condition

: 26-Feb-2021

FLUE GAS | STACK MONITORING

. GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Ref.To Sampling Procedure:

2 NOS QSP-07

Unit

Standard Value Results

Test Method

15 11255(part-2): 1985(RA 2014)

Parameters Location & Date

Sulphur Dioxide

Cirticulate Matter

: DRYFR STACK-4 DT-25.02.2021

19.1 mg/Nm²

...

78.7 29.1

14.1

20.9

15 11255 (part-7) 2005

KLPL/SGP/ATR-06

Nitrogen Dioxide Location & Date

Nitrogen Dioxide

mg/Nm3

mg/Nm3

: GCP STACK DT-24.02.2021 mg/Nm² Sulphur Dioxide mg/Nm3 Particulate Matter

66.8

KLPL/SOP/AIR-06

mg/Nm3

IS 11255 (part-7) 2005

IS 11255(part-2) 1985(RA 2014)

Damarks

45

Any unusual feature observed during determination

. NIL

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Analysed By r → Kalyani Laboratories Pvt. Ltd. Dogwood Authorised Signatory





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782944; PAHAL, BHUBANESWAR, 752101; CONSHA

15-Mar-2021

TEST REPORT NABL ULR NO : TC704321000006894P





Test Report No

838 | 81871AEE KLPL/3/21/ENVN/01024

: 23-Mar-2021

Amendment No.

W.NO-MAT/80/35/1920 DATED 05.06.2019

Amendment Date

Reference Customer Name

FERRO ALLOYS CORPORATION LTD.

mg/Nm3

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

IS 11255 (part-7): 2005

Address Date of receipt

: 15-Mar-2021 Commenced On: FLUE GAS | STACK MONITORING

Completion On: 17-Mar-2021

Sample Name Sample Condition

: GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

2 NO5

Pef To Sampling Procedure:

000.03

ner to sampling Procedure.	QSP-U/			
Parameters	Unit	Stat	idiird Value Res	Sults Test Method
Location & Date	DRYER STACK-4	DT-10.03.20		300 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A
Sulphur Dioxide	mg/Nm³	1-	20,2	15 11255(part-2):1985(RA 2014)
Particulate Matter	mg/Nm³	1-	79.4	KLPL/SOP/AIR-06
satrogen Dioxide	mg/Nm3	-	30.2	15 11255 (pert-7) 2005
Location & Date	: GCP STACK DT-	11.03.2021		
Sulphur Dioxide	mg/Nm³	-	15.1	IS 11295(port-2) 1985(RA 2014)
Particulate Matter	mg/Nm³	-	67.2	KLPL/SQP/AIR-06
		- 1		

21.8

Remarks

Nitrogen Dioxide

: NIL

Any unusual feature observed during determination

******* End of Test Report ******

B. Conzin Analysed By

For Kalyani Laboratories Pvt. Ltd.

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Laboratories

Carbon Monoxide (CO) (01 Hrs.)

mg/m³

78/944, PAHAL BHUBANESWAR-752101. ODISHA TEST-REPORT

BL ULR NO :	TC704320000000	197P	And All Control of the Control of th		THE MANUAL MEMBERS AND MAN
ast Report No 1	643 6012144	the state of the s)/ENVN/00787	Issue Date : (09-Nov-2020
mendment No : ·			All the contract of the contract of	Amendment Date :-	
teference : 1	W.NO-MAT/80/36/	1920 DATED 05	5.06.2019		
Customer Name :	FERRO ALLOYS C	ORPORATION	LTD.		
ddress :	CHARGE CHROME	PLANT ,D.P. NA	GAR, RANDIA-756135,	BHADRAK, ODISHA.	
	31-Oct-2020	and the second s	On: 31-Oct-2020	Completion On:	05-Nov-2020
	AMBIENT AIR QU	ALITY MONIT	TORING		
	GASEOUS SAMPLE	ABSORBING S	OLUTIONS REFRIGERA	TED	
	4 NOS				
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	QSP-07				
	TO THE REAL PROPERTY.	北南河 (Ance Military Util	TOTAL BANKS	
	AGGL PLANT DT-	The second division in which the second division is not the second division in the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division is not the second division in the second division in the second division is not the second division in the second division is not the second division in t			
Sulphur Dioxide	pg/m³	80	12.46	IS 5182(PART-2) : 2001	
Nitrogen Dioxide	µg/m³	80	21.32	IS 5182 (PART 6.) :2006	
Particulate Matter (PM10)	µg/m³	100	82,0	IS 5182(PART-23) :2006	
urticulate Matter (PM2.5)	ha/w ₃	60	39.14	KLPL/SOP/AIR-02	
Carbon Monoxide (CO) (01 Hrs.) mg/m³	04	2.22	KLPL/SOP/AIR-19	
ocation & Date 1	FPHS & MRP PL	ANT DT-27-	28.10.2020		
Sulphur Dioxide	µg/m³	80	9.45	IS 5182(PART-2): 2001	
Nitrogen Dioxide	hā/w ₃	80	18.64	IS 5182 (PART 6) :2006	
Particulate Matter (PM10)	hō/w ₃	100	68.0	15 5182(PART-23) :2006	
Particulate Matter (PM2.5)	hō/w ₃	60	31.40	KLPL/SOP/AIR-02	
Carbon Monoxide (CO) (01 Hrs.	.) mg/m³	04	2,40	KLPL/SOP/AIR-19	
Location & Date :	MRSS & CPP DT-	28-29.10.202	10		
Sulphur Dioxide	hā/w ₃	80	10.08	IS 5182(PART-2): 2001	
Nitrogen Dioxide	μg/m³	80	19.40	IS 5162 (PART 6) :2006	
Particulate Matter (PM10)	ha/w ₃	100	76.0	IS-5182(PART-23) :2005	
-articulate Matter (PM2.5)	pg/m³	60	34.19	KLPL/SOP/AIR-02	
Carbon Monoxide (CO) (01 Hrs	.) mg/m>	04	3.10	KLPL/SOP/AIR-19	
Location & Date 1	R & C LAB DT-20	5-27.10.2020			
Sulphur Dioxide	µg/m³	80	7.06	19 5182(PART-2) : 2001	
Nitrogen Dloxide	pg/m³	80	16.47	IS 5182 (PART 6) :2006	***************************************
Particulate Matter (PM10)	µg/m³	100	56.0	IS 5182(PART-23) :2006	
Particulate Matter (PM2.5)	µg/m³	60	26,21	KLPL/SOP/AIR-02	

2.12



KLPL/SOP/AIR-19



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TEST REPORT

22/948 PAHAL BHURANESWAR,752101 ODISHA



NABL ULR NO

: TC704320000005239P

Issue Date

Test Report No Amendment No

650 | 60761477 KLPL/11/20/ENVN/00814

Amendment Date 5 -

: 18-Nov-2020

Reference

Customer Name

W.NO-MAT/80/36/1920 DATED 05.06.2019

FERRO ALLOYS CORPORATION LTD.

Address Date of receipt

CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Commenced On: 13-Nov-2020

Completion On: 16-Nov-2020

Sample Name Sample Condition AMBIENT AIR QUALITY MONITORING

: GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity : 4 NC	os			
Ref. To Sampling Procedure: KLPL	/SOP/AIR-06			
Parameters	Unit	Stand	ard Value Resu	ults Test Method
Location & Date : AGG	L PLANT DT-	12-13.11.202	a	
Sulphur Dioxide	pg/m³	80	12.16	14 S182(PART-7) : 2001
litragen Dioxide	µg/m³	80	22.30	15 5182 (PART 6.) :2006
Particulate Matter (PM10)	ug/m³	100	81,0	IS 5182(PART-23) 2006
Particulate Matter (PM2.5)	ug/m³	60	40.37	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.19	KLFL/SOP/AIR-19
ocation & Date : FPH	IS & MRP PL	ANT DT 10	11.11.2020	
Sulphur Dioxide	ha/w ₃	80	8.79	IS 5182(PART-2) : 2001
Vitrogen Dioxide	µg/m³	80	19.58	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	ha/wa	100	71.0	IS \$182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m³	60	32.42	KLPL/SDP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.44	KLFL/SDP/AIR-19
Location & Date : MR:	SS & CPP DT-	11-12.11.202	o	
Sulphur Dioxide	ին/шյ	80	11.03	15 5182(PART-2) 2001
trogen Dioxide	ին/ш ₃	80	21,62	15 5182 (PART 6) :2005
Particulate Matter (PM10)	h0/m3	100	74.0	15 5182(PART-23) 2006
Particulate Matter (PM2.5)	pg/m³	60	33.48	KLPL/SOP/ATR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	3.06	KLPL/SOP/AIR-19
Location & Date : R &	C LAB DT-09	-10.11.2020		
Sulphur Dioxide	µg/m³	80	6.43	15 51E2(PART-2) : 2001
Nitrogen Dioxide	ha/w _a	80	15.31	IS 5182 (PART 6) 2006
Particulate Matter (PM10)	µg/m³	100	60.0	15 5182(PART-23) 2006
Particulate Matter (PM2.5)	hg/m ₃	60	27.16	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.15	KLPL/SOP/AIR-19





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78/041 PAHAL BHUBANISWAR-752101 ODISHA

TEST REPORT





NABL ULR NO Test Report No : TC704320000005586P

Issue Date

693 | 65991500 KLPL/12/20/ENVN/00889

μg/m³

µg/m³

15 5182 (PART 6) :2006

IS S182(PART-23) : 2006

Amendment Date

Amendment No Reference

: W.NO-MAT/80/36/1920 DATED 05.06.2019

Customer Name

FERRO ALLOYS CORPORATION LTD. : CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Address

: 26-Dec-2020

Commenced On : 26-Dec-2020

Completion On:

: 28-Dec-2020

Date of receipt Sample Name Sample Condition

AMBIENT AIR QUALITY MONITORING : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

28-Dec-2020

Quantity

Vitrogen Dioxide

Particulate Matter (PM10)

Ref. To Sampling Procedure: QSF	-07			
Parameters	Unit	Standard	Value Results	Test Method
Location & Date : AU	TO GARAGE D	T-24-25.12.2	020	THE SASSEMATION IS NOT THE RESERVE TO THE RESERVE T
Sulphur Dioxide	µg/m³	80	6.09	IS 5182(PART 2) 2001
itrogen Dioxide	µg/m³	80	21.03	JS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m³	100	63.0	IS 5182(PART-23) 2006
articulate Matter (PM2.5)	µg/m³	60	29.29	KLPL/SOP/AIR 02
arbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.16	KLPL/SOP/AIR-19
ocation & Date : FPF	IS & MRP PL	ANT DT-22-	23 17 2020	
Sulphur Dioxide	µg/m³	80	9,37	IS \$162(PART-2) 2001
litrogen Dioxide	h0/m3	80	18.10	IS 5182 (PART 6) 2006
articulate Matter (PM10)	pg/m ³	100	69.0	IS 5182(PART-23) -2006
articulate Matter (PM2.5)	hō/w ₃	60	30.31	KLPL/SOP/ATR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.39	KLPK/SOP/AIR-19
ocation & Date : MR:	SS & CPP DT-	23-24.12.202	0	
iulphur Dioxide	140/m³	80	12.11	IS S102(FART-2) 2001

100

	-			4
Particulate Matter (PM2.5)	ha/wa	60	33.19	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	3.10	KLPL/SQP/AIR-19
Location & Date : R &	C LAB DT-21	-22.12.2020		1,0
Sulphur Dioxide	µg/m³	80	7.16	IS 5182(PART-7) 2001
Nitrogen Dioxide	µg/m³	ВО	16.07	15 S182 (PART 6.) (2006
Particulate Matter (PM10)	µg/m³	100	66.0	15 S182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m³	60	27.16	KLPI/SQP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m²	04	2.19	XLPL/SOP/AIR-19

23.06

75.0





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TEST REPORT



Amendment Date



Test Report No

728 | 718716FB KLPL/1/21/ENVN/00925

: 23-Jan-2021 Issue Date

Amendment No

NABL ULR NO

W NO-MAT/80/36/1920 DATED 05:06:2019

Reference Customer Name

FERRO ALLOYS CORPORATION LTD.

Address

CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-75613S, BHADRAK, ODISHA.

Date of receipt

: 19-Jan-2021 AMBIENT AIR QUALITY MONITORING

: TC704321000005883P

Commenced On: 19-Jan-2021

Completion On:

23-Jan-2021

Sample Name Sample Condition

GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity Ref To Sampling Procedure:

DCD OT

Ref. To Sampling Procedure: QS	P-07			
Parameters	Unit	Standard	Value Results	Test Method
Location & Date : AU	TO GARAGE L	T-17-18.01.2		370301100303101
Sulphur Dioxide	µg/m³	80	8.29	IS 5182(PART-2) 2001
iitrogen Dioxide	µg/m³	80	18.59	(S 5187 (PART 6) :2006
Particulate Matter (PM10)	ug/m³	100	62.80	IS 1182(PART-23) 2006
Particulate Matter (PM2 5)	µg/m³	60	28.05	KUPL/SOP/AIR-52
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	0.4	2.14	KUPL/SOP/AIR-19
Location & Date : FPI	HS & MRP P	ANT DT-15	-16.01.2021	
Sulphur Dioxide	µg/m3	80	7.32	IS \$182(PART-2) : 2001
Nitrogen Dioxide	ug/m³	80	18.63	15 S182 (PART 6.) 2006
Particulate Matter (PM10)	ug/m³	100	64.11	15 \$182(PART-23) 2006
Particulate Matter (PM2.5)	µg/m³	60	30.31	KUPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m²	04	2.34	KLPL/50P/AIR-19
Location & Date : MR	SS & CPP DT-	16-17.01.202	11	
Sulphur Dioxide	ug/m³	80	7.48	IS 5182(PART-2) 2001
Kitrogen Dioxide	µg/m²	80	15.97	JS 5182 (PART 6.) :2006
Particulate Matter (PM10)	μg/m³	100	70.84	15 S182(PART-23) 2006
Particulate Matter (PM2.5)	μg/m³	60	33.19	KLPI/SOP/AIR 02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	3.04	MLPL/SOP/AIR-19
)	C LAB DT-14		3.04	meric partyalin-12
, K &	C LAB DI-14	-15.01.2021		
Sulphur Dioxide	tig/m3	80	9,49	IS 5182(PART-2) 2001
Nitrogen Dioxide	nd/ut _a	80	15.28	IS \$182 (PART 6) 2006
Particulate Matter (PM10)	hd\w ₂	100	60,09	15 5187(PART /23) :2006
Particulate Matter (PM2.5)	µg/m³	60	29.29	KLPUSOPYAIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.12	KLPL/SOP/AIR-19





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TEST REPORT : TC704321000006402P NABL ULR NO 804 | 77271902 KLPL/2/21/ENVN/00991 Issue Date : 27-Feb-2021 Test Report No Amendment Date Amendment No W.NO-MAT/80/36/1920 DATED 05.06.2019 Reference Customer Name FERRO ALLOYS CORPORATION LTD. Address CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. Date of receipt 26-Feb-2021 Commenced On: 26-Feb-2021 Completion On: 27-Feb-2021 Sample Name AMBIENT AIR QUALITY MONITORING Sample Condition GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED Quantity : 4 NOS Ref.To Sampling Procedure: QSP-07 Parameters. Standard Value Results Test Method Location & Date : AUTO GARAGE DT-25-26.02.2021 µg/m³ 15 5182(PART-2) : 2001 Sulphur Dioxide 9.09 IS 5182 (PART 6) :2006 μg/m³ 80 15.04 trogen Dloxide IS 5182(PART-23) 2086 100 Particulate Matter (PM10) ug/m² 71.74 KUPL/SDP/AIR-02 Particulate Matter (PM2.5) µg/m³ 60 31.26 mg/m² 2.24 KLPL/SDP/ATR-19 Carbon Monoxide (CO) (01 Hrs.) Location & Date : FPHS & MRP PLANT DT-23-24.02.2021 15 5182(PART-2) 2001 Sulphur Dioxide µa/m³ IS 5182 (PART 6.) 2006 Nitrogen Dioxide µg/m³ 80 14.19 JS 5182(PART-23) 2006 µg/m³ 100 59.84 Particulate Matter (PM10) KLPL/SOF/AIR-02 Particulate Matter (PM2.5) ug/m³ 60 28.18 mg/m³ 2.29 KLPL/SOP/AIR-19 Carbon Monoxide (CO) (01 Hrs.) Location & Date : MRSS & CPP DT-24-25.02.2021 ug/m³ 7.78 15 5182(PARY-2): 2001 Sulphur Dioxide Histrogen Dioxide $\mu g/m^3$ 80 12.98 1S 5182 (PART 6 \ 2006 15 5182(PART-23) :2006 ug/m³ 100 64.39 Particulate Matter (PM10) KLPL/SOP/AIR-02 Particulate Matter (PM2.5) ug/m³ 60 27.03 KLPL/SOP/AIR-19 04 2.96 Carbon Monoxide (CO) (01 Hrs.) ma/m³ Location & Date : R & C LAB DT-22-23.02.2021 IS 5182(PART-2): 2001 µg/m³ 80 8.09 Sulphur Dioxide 15 5182 (PART 6) 2006 Nitrogen Dioxide µg/m³ 80 15.38 ug/m³ 100 IS 5182(PART-23) :2006 Particulate Matter (PM10) 50.64 Particulate Matter (PM2.5) µg/m³ 60 26.91 KLPL/SDP/AIR-02 HLPL/SOP/AIR-19 Carbon Monoxide (CO) (01 Hrs.) mg/m³

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TEST REPORT





Test Report No

836 | 81861AEC KLPL/3/21/ENVN/01023

: TC704321000006892P

: 23-Mar-2021 Issue Date

Amendment No

NABL ULR NO

Amendment Date

Reference Customer Name

W.NO-MAT/80/36/1920 DATED 05:06:2019 : FERRO ALLOYS CORPORATION LTD.

Address Date of receipt : CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Commenced On: 15-Mar-2021 : 15-Mar-2021

Completion On: 17-Mar-2021

Sample Name Sample Condition AMBIENT AIR QUALITY MONITORING

: GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

4 NOS

Ref.To Sampling Procedure: QSP				
Parameters	Unit		ard Value Resu	ults Test Method
Location & Date : AUT	O GARAGE D	T-12-13.03.2	021	
Sulphur Dioxide	µg/m³l	80	7.21	15 5182(PART-2) = 2001
Nitrogen Dioxide	µg/m³	80	13.95	IS 5182 (PART 6) 2006
Particulate Matter (PM10)	hð/w ₃	100	60.56	15 5182(PART-23) 2006
Particulate Matter (PM2.5)	µg/m³	60	22.92	KLPL/SOP/AJR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.18	KLPL/SOP/AIR-19
Location & Date : FPH	IS & MRP PL	ANT DT-10-	11.03.2021	
Sulphur Dioxide	ha\w _a	80	8.45	IS \$102(PART-2) : 2001
Nitrogen Dioxide	µg/m³	80	15.53	IS SIE2 (PART 6) :2006
Particulate Matter (PM10)	pg/m³	100	70.5	IS S182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m³	60	30.12	KLPL/SOP/ADR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.37	KLPL/SOP/AIR-19
Location & Date : MR:	SS & CPP DT-	11-12.03.202	1	
Sulphur Diaxide	µg/m³	80	B.24	IS S182(PART-2) : 2001
'itrogen Dioxide	µg/m³	80	14.86	IS 5182 (PART 6) 2006
Particulate Matter (PM10)	µg/mª	100	75.32	15 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m³	60	31.40	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	3.05	KLPL/SQP/AIR-19
Location & Date : R &	C LAB DT-09	-10.03.2021	111	
Sulphur Dioxide	µg/m³	89	8.09	IS 5182(PART-2) / 2001
Nitrogen Dioxide	μg/m³	80	14.39	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m³	100	65.23	IS 5182(PART-23) -2006
Particulate Matter (PM2.5)	µg/m³	60	26.79	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.11	KLPL/SOP/AIR-19





Certified by IROS

RVA C 071

MGMT SYS

RVA CD71



Registered Office

FERRO ALLOYS CORPORATION LIMITED

Charge Chrome Plant

D.P. Nagar, P.O. Randia, Pin-756 135

06784 240628

Dist. Bhadrak, Odisha, India

Phone

06784 - 240272 / 240347 / 240320

Fax E-mail.

facorccp@facorccp.in / facorccp@gmail.com

Website

facorccp@dataone.in / bls_facorccp@bsnl.in www.facorgroup.in

CIN No. : L45201OR1955PLC008400

Ref. No:FACOR/HSE/COLP/ 25 - 63 Dt. 08.07.2021

To.

The Member Secretary State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar.

Sub: Submission of Annual Return in Form-4 under Hazardous Waste (Management & Handling) Rules, 1989 by M/s Ferro Alloys Corporation Ltd, Charge Chrome Plant, Randia, Bhadrak.

MCMT SYS

ByA (: 1171

150 9001 2000

ISO 14001:2064

Dear Sir.

We refer to the subject cited above and enclose herewith the Annual Return regarding handling of Hazardous Waste in Form-4, duly filled in for the year 2020-21 by M/s Ferro Alloys Corporation Ltd., Charge Chrome Plant for your kind information and record.

Thanking you,

Yours faithfully, For Ferro Alloys Corporation Ltd

Ajit Kumar Parida Head (O&M)-CCP



Head Office

Ferro Alloys Corporation Ltd., Shreeram Bhawan, Tumsar 441912, Dist.-Bhandara, Maharashtra, India

Ph. (07183) 233090/232233, Fax 232271, E-Mail facorho@facorgroup in

Corp. Office: Ferro Alloys Corporation Ltd., Facor House, A-45-50, Sector-16, Noida- 201301 (U.P.)

Ph.: (0120) 4171000, Fax No. (0120) 4256700, E-mail facordelhi@facorgroup.in

FORM 4

(See rules 5(6) and 22 (2))

FORM FOR FILING ANNUAL RETURNS BY THE OCCUPIER OR OPERATOR OF FACILITY

[To be submitted by occupier/operator of disposal facility to State Pollution Control Board/Pollution Control Committee by 30th June of every year for the preceding period April to March]

1.	Name and address of the generator/operator of facility	-	Ferro Alloys Corporation L At- Randia, Dist- Bhadrak				td., Charge Chrome plant,		
2.	Name of the authorised person and full address with telephone and fax number	:	Mr. Ajit Parida, Head (O& Charge Chrome Plant, D.P Phone: 06784-240516 Fax: 06784-240626						
3.	Description of hazardous waste	:		ysical form scription	with .	Chemical	form		
				ed Oil		Stream-5.1	l, Schedule-I		
			Flu	e gas clear	ning residue	Stream-35	.1, Schedule-I		
			Wa	ste contain	ning oil	Stream-5.2	2, Schedule-I		
			Em	pty Barrel	S	Stream-33	.1, Schedule-I		
4.	Quantity of hazardous wastes (in MTA)			pe of hazar Used oil	dous waste	Quantity (in Tonnes/KL		
			(b) Flue dust		1701.77M	1701.77MT			
				Waste containing oil Empty Barrels		0.00 MT 39 nos.			
5.	Description of Storage	46	1.Used oil collected in dru concrete platform under sh quantity we used to sell it.		ned. After generation of large				
			3. F	lue dust a	e being util	s been utilized ized as raw m ets / briquettes	aterial in the		
6.	Description of Treatment	1	N.A	V-					
7.	Details of transportation	1	NA	Name & address of	Mode of packing	Mode of transportation	Date of transportation		
8	Details of disposal of hazardous waste	1		Name & address of	Mode of packing	Mode of transportation	Date of transportation		
					the furnace	Γ are utilized : e after making			
9.	Quantity of useful materials sent back to the manufacturers* and others*	3	- I HALL WAS TO BE		Quantity i				
				Others*	ur vi d				

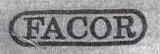
Date: 08.07.2021

Place: Bhadrak

Signature :

Designation: 1-10_ad (0&m)





CHARGE CHROME PLANT

Ref. c CCP/Mech/78 Date: 03.10.2009

THROUGH COURIER SERVICE

The Environmental Engineer-II, State Pollution Control Board, Orissa, Paribesh Bhawan. A/118, Nilakantha Nagar, Unit-VIII, BHUBANESWAR - 751 012.

Dear Sir.

Sub: Display of copy of Environmental Clearance for 30 days

for reference of Public.

Ref. : Your Memo No. 14880 dated 16.09.09.

With reference to your above Memo and general condition No. X of Environmental Clearance, we have displayed an advertisement regarding Environmental Clearance on 1st October '09 in the daily Oriya Newspaper, SAMAJ and SAMBAD for information of Public. Copy of the same are enclosed herewith for your kind information and record.

Thanking you,

Yours faithfully, for Ferro Alloys Corporation Ltd., Charge Chrome Plant.

(P.G. SURESH K GENERAL MANAGER

Encl : As above.

Ce to : Collector & District Magistrate, Bhadrak.

General Manager, D.I.C., Bhadrak. Regional Officer, State Pollution Control Board, Balasore.

Cc to: SM (PASS), SM (Maint.), MF, REC.



		For the period from April-2020 up	Temporal etion discharge apparation et see
.No		Conditions	Compliance of Conditions
1	i.	Specific Conditions Continuous monitoring facilities for all the stacks and sufficient air pollution control (equipments viz. fume extraction system, cyclones and bag filters to the gas cleaning plant (GCP), ID fan and stack of adequate height to submerged arc furnace shall be provided to control particulate matter emissions below 100 mg/Nm³. Bag filters shall be provided to control the dust generated from the briquetting plant. The Orissa Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Complied. The exhaust gas from the semi opened Smelting Arc Furnace generated at a temperature of over 350°C containing dust Particulates, Sulphur Dioxide; Oxides of Nitrogen, Carbon Monoxide is cleaned by Dry Gas Cleaning Plant. GCP consists of Ducts, Equalizer, Trombone Cooler, ID Fan, Bag Filters for separation of dust from the flue gas. Regular preventive maintenance of pollution control equipments are carried out. AAQMS and Stack monitoring is done by authorized 3rd Party on monthly basis. Report enclosed herewith as Annexure -A. The emission level are within prescribed standard.
2	Ti Ti	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NOx are anticipated in consultation with the OPCB. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, OPCB and CPCB once in six months.	Complied. The ambient air quality monitoring is done in four different location of the plant - Auto garage, MRP Plant, MRSS and R&C Lab. Stack monitoring of GCP and Dryer stack is done by authorized 3rd party Kalyoni laboratories PVT. LTD. Data on ambient air quality and stack emission are being regularly submitted to OSPCB.
3	m	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Dry fog dust suppression system will be provided at crushing (and screening section of metal recovery plant to control fugitive emissions generated during crushing, screening etc. Dust extraction system shall be provided to control the fugitive dust from raw material handling, screening and conveying section along with product handling section, transfer and feeding points to control fugitive dust emissions to meet the OPCB norms. Internal roads shall be made black topped and asphalted. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.	Complied. In order to control the fugitive emission there are bag filters attached to dryer plant. Water sprinklers are provided at storage hopper and feeding points of raw material handling system. Plant roads & approach roads have already made concreted, with the help of one water tankers of 10KL capacity are being sprinkled over the roads throughout the working shift to prevent the dust emanation due to vehicular movement.
4	īv	Data on ambient air quality, stack emissions and fugitive emissions shall be uploaded on the Company's website and also regularly submitted online to the Ministry's Regional Office at Bhubaneswar, Orissa Pollution Control Board (OPCB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months. Data on SPM, SO ₂ and NOx shall also be displayed prominently outside the premises at the appropriate place for the information of general public.	Authorized 3rd party monitoring report of air quality and stack emission is been submitted in monthly for the concern Orissa Pollution Control Board (OPCB). Report enclosed herewith as Annexure -B. Data on ambient air quality, stack emission and fugitive emissions will be uploaded on company's webiste shortly after resumption of server error in the company portal. Data on SPM, SO ₂ and NOx are being displayed prominently outside the premises at the appropriate place for the information of general public.
5	¥	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	Complied. Secondary fugitive emissions are being controlled by bag houses at dryer & briquetting plant, water sprinklers and water tankers all other area of the plant.
6	vi	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	Complied. The water tanker of 10KLD capacity are being used as dust supression on concrete roads through out working shift with proper housekeeping contract service to control dust emissions during loading and unloading of the raw material and finished product.
7	VII	Total water requirement should not exceed 168 m³/day ground water as per the 'permission' accorded by the Central Ground Water Authority vide letter no. 21 4(74)/SER/CGWA/2008-1281 dated 24h October, 2008. Closed circuit cooling system shall be adopted to reduce water consumption. Effluent from Soft water plant shall be neutralized and collected in equalization-cum-settling pond and clear water recycled/reused for dust suppression, metal cooling, slag granulation, green belt development and other plant related activities within the plant premises. Cooling under blow down shall be treated and completely recycled. Wastewater from Jigging Plant shall be treated in a settling tank and reused in Jigging plant. No wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Domestic wastewater shall be treated in septic tanks followed by soak pit system and used for green belt development.	for use of ground water in our charge chorme plant and the total water are beign used within the prescribed limit of CGWA. Closed circuit cooling system are being adopted to reduce water consumption. No wastewater are being discharged outside the factory premises and



S.No		Conditions	Compliance of Conditions
8	viii	Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.	Complied. 'Zero' effluent discharge are being strictly followed and no wastewater are being discharged outside the premises.
9	bx	plant (Jigging plant) through hydraulic jazzing process. Discharge from metal recovery plant shall be monitored for the Chromium content and maintained within the permissible limit before recycling-and-reuse. Slag-	Complied. Metal Recovery Plant has already been installed. Discharge from metal recovery plant are being monitored for the Chromium content and maintained within the permissible limit before recycling-and-reuse. Siag-tailings are being dumped-in-own-premises in secured-land fill as per CPCR guidelines after recovery of the metal. Used oil is being disposed within 90 days to authorized vendor according to hazardous authorization 2016.
10	×	Chromate siag shall be used for road making only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, Ferro Chrome shall be recovered from the slag and output waste shall be disposed in secured landfill as per CPC8 guidelines. All the other solid waste shall be properly disposed off in environment-friendly manner. No hazardous materials shall be spilled out and good house keeping practices shall be adopted. Hazardous waste shall be handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.	Complied. The slag is been reused as a filling in the low lying areas and for the road making purpose as per the approval of OSPCB. All the other solid waste are being properly disposed off in environment-friendly manner. No hazardous materials are being spilled out and good house keeping practices has already been adopted. Hazardous waste are being handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.
11	xi	Product fines, flue dust should not be dumped anywhere but reused in the process. Flue dust and briquette plant dryer dust along with chrome ore fines shall be reused for making briquettes after ensuring non-hazardous in nature. Sewage sludge from Septic tank shall be used as manure.	Complied. The flue dust is reused by Collecting in Silo through chain conveyor and made into pellets, Pellets are charged into furnace on day-to-day basis. The work is under progress for use of sewage sludge from Septic tank as manure.
12	xii	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, OPCB and CPCB.	Compiled. Solid and hazardous waste is being monitored and intimation to the concern authorities before and after the disposal of waste. FORM 4 annual report is submitted to OSPCB on yearly basis. Copy enclosed herewith as Appeaure -C.
13	xiii	As proposed, green belt shall be developed in at least 84 acres (33 %) out of total 205,50 acres within and around the plant premises as per the CPCB guidelines in consultation with DFO.	We have developed greenbelt in & around the plant premises. However we are going to conduct green belt survey by engaging authorized third party to assess the actual percentage of coverage.
14	xlv	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chrome units shall be strictly implemented.	Complied. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chromiunits are being implemented.
15	xv	All the issues raised during the Public Hearing / Public Consultation meeting and commitments made shall be satisfactorily implemented.	It has been clarified vide Para 4.0 of the Environment Clearance dated on 04.05.2009 that no public hearing is required as per section 7(ii) of EIA notification, 2006.
	В	General Condition	
1	i	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government.	All the necessary measures have been taken to adhere to the stipulations made by Orissa Pollution Control (OPCB) and the State Government.
2	ū	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No further modification / expansion has been carried out in the plant premises till date.
3	iii	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	The Industrial waste water are properly collected through garland drain and recycle to the process. The treated wastewater is being utilized for plantation purpose.



		Six Monthly Environmental C For the period from April-2020 u	(f) (7.7)* (7.7)*
.No		Conditions	Compliance of Conditions
4	lv	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have provided three nos rainwater harvesting pond in plant as well as colony area to conserve rain water and utilize in lean season.
5	٧	The overall noise levels in and around the plant area shall be kept well within the standards (85 d8A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 d8A (daytime) and 70 d8A (nighttime).	Noise level is being monitored internally in all major working location inside the plant premises and are within the standard.
6	vi	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Perodic Medical Examination is being conducted yearly for all employees and workmen on regular basis and records are also being maintained as per the Factories Act.
7	vil	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We are complying with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, we have already engaged our CSR team for undertaking socio economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
8	viii	As proposed, Rs. 10.00 Crores and Rs. 4.00 Crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	The company has been acquired by Vedanta Ltd. As per the order dated 30.01.2020 of National Company Law Tribunal Cuttuck bench. A new board has also been constituted on dated 21.09.2020 pursuent to the order of NCLT and the provision of IBC - 2016. The new mamangement has already proposed specific budget to be utilized for environment pollution control measures and to implement the conditions stipulated by MOEF as well as the state government.
9	ix	The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Monitoring data is being sent to OPCB on monthly basis. Six monthly compliance report submitted to MOEF herewith.
10	x	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the OPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	
11	хì	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	



Ajit Kumar Parida
Factory Manager
Ferro Alleya Corporation Ltd.
D.P. Nagar, Randia
Ehadrak-756135

: 14-Sep-2020

29-Aug-2020

Issue Date

Amendment Date

KALYANI LABORATORIES PVT. LTD.

Katyani Laboratories

NABL ULR NO

Test Report No

DE944, PAILAL BHEBANESWAR-752101, ODISHA

TEST REPORT

: TC704320000004755P

545 | 53441293 KLPL/8/20/ENVN/00690

Amendment No : W.NO-MAT/80/36/1920 DATED 05.06.2019 Reference

: FERRO ALLOYS CORPORATION LTD. Customer Name

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, DDISHA. Address Completion On: Commenced On: 28-Aug-2020

Date of receipt FLUE GAS | STACK MONITORING Sample Name

Sample Condition

2 NOS Quantity

QSP-07			
Unit	Standard	Value Results	Test Method
DRYER STACK-4	OT-28.08.20	20	
mg/Nm³	1-	11.2	15 11255(pert-2) 1985(RA 2014)
mg/Nm³	-	67.0	KLPL/SOP/AIR-06
mg/Nm3		20.5	15 11255 (part-7):2005
GCP STACK DT-	27.08.2020		19
mg/Nm³	1	10.5	15 11255(part-2):1985(RA 2014)
mg/Nm²	1-	55.2	KLPL/E00/ASR-06
mg/Nm3	100	14.9	IS 11255 (part-7) 2005
	Unit DRYER STACK-4 II mg/Nm³ mg/Nm³ mg/Nm3 GCP STACK DT- mg/Nm³ mg/Nm³	Unit Standard DRYER STACK-4 DT-28.08.20 mg/Nm³ - mg/Nm³ - mg/Nm3 GCP STACK DT-27.08.2020 mg/Nm³ - mg/Nm³ -	Unit Standard Value Results

Remarks

Any unusual feature observed during determination End of Test Report

D ASUKL

Analysed By

For Kalyani Laboratories Pvt. Ltd.

DIESENTEL

Authorised Signatory

For Kalyani Laboratories Pvt. Ltd.





Katyani Laboratories

TU944: PAHAL, BHUBANESWAR-752101. ODISHA

TEST REPORT

Amendment Date



NABL ULR NO

: TC704320000005062P

Test Report No

610 | 577613C6 KLPL/09/20/ENVN/00755

Issue Date

: 29-Sep-2020

Amendment No

: W.NO-MAT/80/36/1920 DATED 05.06.2019

Reference Customer Name

: FERRO ALLOYS CORPORATION LTD.

Address

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. : 24-Sep-2020

Commenced On: 28-Sep-2020

Date of receipt Sample Name

FLUE GAS | STACK MONITORING

Completion On:

29-Sep-2020

Sample Condition

Quantity Ref. To Sampling Procedure:

Parameters	Unit	Standa	rd Value Results	Test Method
Location & Date	DRYER STACK-4	DT-27.09.20	120	
Sulphur Dioxide	mg/Nm³	-	12.1	IS.11255(pert-2).1985(RA 2014)
Particulate Matter	mg/Nm³	1-	71.2	MIPL/SOPyAIR-06
Nitragen Dioxide	mg/Nm3		21.8	IS 11255 (part 7) 2005
Location & Date :	GCP STACK DT-	26.09.2020		
Sulphur Dioxide	mg/Nm³	1-	11.6	15 11255(part-2) 1985(HA 2014)
Particulate Matter	mg/Nm³	19	59.9	KLPL/SCIP/AIR-06
Nitrogen Dioxide	mg/Nm3	1	16.1	IS 11255 (part-7) 2005

Remarks

: NIL

Any unusual feature observed during determination

Arulat-

Analysed By

or Kalyani Laboratories Pvt. Ltd.

Drafmal

Authorised Signatory

For Kalyani Laboratories Pvt. Ltd.





: 14-Sep-2020

BBSR

31-Aug-2020

. .

Issue Date

Amendment Date

KALYANI LABORATORIES PVT. LTD.

Kačyani Laboratories

Test Report No

78/944, PAHAL, BITURANESWAR 75/101, CHRSTDA

TEST REPORT

: TC704320000004757P NABL ULR NO

546 | 53451295 KLPL/08/20/ENVN/00691

Amendment No. : W.NO-MAT/80/36/1920 DATED 05.06.2019 Reference

: FERRO ALLOYS CORPORATION LTD. Customer Name

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. Address Commenced On: 28-Aug-2020 Date of receipt : 28-Aug-2020 Completion On:

Sample Name AMBIENT AIR QUALITY MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity : 4 NO	DS .			
Ref. To Sampling Procedure: QSP	-07			
Parameters	Unit	Standard Va	\$40 min Vido 1704,	Test Method
ocation & Date : R &	C LAB DT-24.	08.2020-25.08	.2020	
Sulphur Dioxide	µg/m³	80	5.14	IS 5182(PART-2) : 2001
citrogen Dioxide	µg/m³	80	10.24	15 5182 (PART 6.) :2006
Particulate Matter (PM10)	µg/m³	100	58.0	IS S182(PART-23) :2006
Particulate Matter (PM2.5)	ha/w _a	60	29.14	KLPL/SOP/AIR-02
arbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.11	ICPL/SOP/AIR-19
ocation & Date : AUT	O GARAGE	DT-27.08.2020	-28.09.2020	
Sulphur Dioxide	µg/m³	80	4.18	IS \$182(PART-2) - 2001
Vitrogen Dioxide	hd/w _g	80	9.35	15 5182 (PART 6) 2006
Particulate Matter (PM10)	µg/m³	100	51.0	15 5182(PART-23) :2006
articulate Matter (PM2.5)	µg/m³	60	22,33	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.03	KLPC/SOP/AIR-19
ocation & Date : MRI	PLANT D	T-25.08.2020-2	8.08.2020	
Sulphur Dioxide	µg/m³	80	7.47	IS 5182(PART-2) 2001
litrogen Dioxide	µg/m³	80	12.22	15 5182 (PART 6.) 2006
Particulate Matter (PM10)	µg/m³	100	66.0	IS 5162(PART-23) :2006
Particulate Matter (PM2.5)	µg/m#	60	31.26	KLPL/SQP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.42	KEPL/SOP/AIR-19
ocation & Date : NEA	R POWER PL	ANT DT-26.	08.2020-27.09.	2020
Sulphur Dioxide	μg/m³	80	6.12	IS 5182(PART-2) : 2001
litrogen Dioxide	µg/m³	80	11.30	IS 5182 (PART 6) 2006
Particulate Matter (PM10)	ng/m³	100	63.0	IS \$182(PART-23) :2006
articulate Matter (PM2.5)	μ <u>α</u> /m³	60	27.16	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.95	KLPL/SQP/AIR-19 80018107/60



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Katyani Laboratories

787-14 PARAL DRUBANESWAR-75 HOL ODISIO

NABL ULR NO : TO	704320000005057P			40.	
Test Report No : (605 5775130	C1 KLPL/09/2	0/ENVN/00754	Issue Date	: 29-Sep-2020
Amendment No :				77=00 to 5 for 1000 110 200 100 100 100 100	The second of th
Reference : W.	Amendment Date : - NO-MAT/80/36/1920 DATED 05.06.2019				
The state of the s	RRO ALLOYS				
				35,6HADRAK,ODISHA.	
Date of receipt : 24	-Sep-2020	Commenced	On: 24-Sep-2020		20 Car 2020
	Sep-2020 Commenced On: 24-Sep-2020 Completion On: 29-Sep-2020 BIENT AIR QUALITY MONITORING				
			SOLUTIONS REFRIGE	RATED	
	105				
Ref.To Sampling Procedure: QS	P-07				
Parameters	Unit	Standard	Value Results	Test Method	Lat Solid Late and the
Location & Date : AU	TO GARAGE	DT-27-28.09	0.2020	The Control of the Co	20 10 10 10 10 10 10 10 10
Sulphur Dioxide	tig/m³	80	E.18	16 5182(PART 2) 2901	
Hitrogen Dioxide	µg/m³	80	10.14	IS 5182 (PART 6.) 2006	
Particulate Matter (PM10)	µg/m³	100	57.0	15 S182(PART-23) : 2006	
Particulate Matter (PM2.5)	h8/w ₃	60	25.32	KLPL/SQP/AIR-02	
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.10	KLPL/SOP/AIR-19	
Location & Date : MR	P PLANT D	T-25 26.09.2	020		
Sulphur Dioxide	µg/m³	80	7.34	15 5182(PART-2) : 2001	
Nitrogen Dioxide	h8/w ₃	80	15.45	15 S182 (PART 6.) : 2006	
Particulate Matter (PM10)	pg/m ^a	100	63.0	15 S102(PART-23) :2006	
Particulate Matter (PM2.5)	µg/m³	60	28.45	KLPL/SOP/AIR-02	
Carbon Monoxide (CO) (01 Hrs.)	mg/m²	04	2.37	KLPL/SOP/AIR-19	
Location & Date : NE.	AR POWER PL	ANT DT-20	6-27.09.2020		
Tulphur Dioxide	µg/m³	80	6.26	IS 5182(PART-2) : 2001	
Nitrogen Dioxide	µg/m³	80	14.45	15 5182 (PART 6) :2006	
Particulate Matter (PM10)	hð/w _a	100	65.0	IS 5182(PART-93) 2006	
Particulate Matter (PM2.5)	pg/m³	60	30.31	KLPL/SOF/ATR-02	
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.98	KLPL/SOP/AIR-19	
Location & Date : R &	C LAB DT-24	-25.09.2020			
Sulphur Dioxide	ha/w _a	80	6.11	IS 5182(PART-2) 2001	
Nitrogen Dioxide	isg/m³	80	11.10	IS 5182 (PART 6) 2006	
Particulate Matter (PM10)	µg/m³	100	60.0	IS 5182(PART-23) 2006	
Particulate Matter (PM2.5)	µg/m³	60	26.09	KLPU/50P/AIR-02	
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.15	KLPL/SOP/AIR-19	
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D.P.Nagar,Randia Bhadrak-756135 (ODISHA)

BBSR S



Registered Office:

FERRO ALLOYS CORPORATION LIMITED

Charge Chrome Plant

D.P. Nagar, P.O. Randia, Pin-756 135

Dist.- Bhadrak, Odisha, India

Phone

06784 - 240272 / 240347 / 240320

Fax

06784 - 240626

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facorcop@facorcop in / facorcop@gmail.com facorccp@dataone in / bis_facorccp@bsnl.in

Website www.facorgroup.in

CIN No. : L45201OR1955PLC008400







REGD, POST WITH A/D.

The Member Secretary. State Pollution Control Board, Orissa, Paribesh Bhawan, A/118, Nilakanthanagar, Unit - VIII, BHUBANESWAR - 751 012.

Ref: FACOR/CCP/ENV/25-02

Date, 17.06.20

Dear Sir.

Sub: Submission of Annual Return in Form - 4 under Hazardous Waste (Management & Handling) Rules, 1989.

We refer to the subject cited above and enclose herewith the Annual Return regarding handling of Hazardous Waste in Form - 4, duly filled in for the year 2019- 20 for your kind information and record.

Thanking you,

Yours faithfully, for Ferro Alloys Corporation Ltd., Charge Chrome Plant.

(P.G. SURESH KUMAR) CHIEF EXEC

Encl : As above

CC: Regional Officer, S.P.C.B., Sahadevkhunta, Balasore – for kind information. CC : AGM(OHS & ENV), MF, REC.



FORM 4

[See rules 6(5), 13(8), 16(6) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th day of June of every year for the Preceding period April to March]

- 1. Name and address of facility: Ferro Alloys Corporation Ltd. Charge Chrome Plant, At.-Randia, DIST. BHADRAK
- 2. Authorization No and Date of issue IND IV HW 288/12724, dt.16.08.2016
- 3. Name of the authorized person and full address with telephone, fax number and e-mail R.K.PARHI, AGM(OHS & ENV), Ferro Alloys Corporation Ltd. Charge Chrome Plant, At.-Randia, DIST. BHADRAK. Mobile No 7504990137, Fax No. 06784- 240626, E- mail rkparhi@facorccp.in
- Production during the year (product wise), wherever applicable (2019 -2020)
 (Charge Chrome / High Carbon Ferro Chrome)
 Total Production 72,749.72 MT (Furnace 68,201.67 MT, MRP 4,548.05 MT)
- Part A. To be filled by hazardous waste generators

 Total quantity of waste generated category wise USED OIL – 1890 Ltr. (Sch - I, Stream - 5.1)

FLUE DUST - 1633.830 MT(Sch - I, Stream - 35.1)

SLAG - 64,691.00 MT

Empty barrels (Lubricants) - 07 Nos (Sch - I, Stream - 33.1)

Empty barrels (Paints & Chemicals) - 35 Nos(Sch - I, Stream - 33.1)

- 2. Quantity dispatched
- (i) to disposal facility
- (ii) to recycler or co-processors or pre-processor

USED OIL - 1890 Ltr.

- (iii) others- Nil
- Quantity utilised in-house, if any –

FLUE DUST - 1633.830 MT(Sch - I, Stream - 35.1) - Used as raw material in the furnace after making pallets / briquettes.

SLAG – 64,691 MT - Used for low land filling in side plant premises and some quantity used for yard concreting in place of chips.



Empty barrels (Lubricants) - 47 Nos stored in impervious roofed house for plant use.

Empty barrels (Paints & Chemicals) - 70 Nos sold out .

4 Quantity in storage at the end of the year – As above.

Part B. To be filled by Treatment, storage and disposal facility operators - NA

- 1 Total quantity received -
- 2 Quantity in stock at the beginning of the year -
- 3. Quantity treated -
- 4. Quantity disposed in landfills as such and after treatment -
- 5. Quantity incinerated (if applicable) -
- 6 Quantity processed other than specified above -
- 7. Quantity in storage at the end of the year -

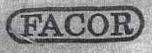
Part C. To be filled by recyclers or co-processors or other users - NA

- 1 Quantity of waste received during the year -
- (I) domestic sources
- (ii) imported (if applicable)
- 2 Quantity in stock at the beginning of the year -
- 3. Quantity recycled or co processed or used
- Quantity of products dispatched (wherever applicable) –
- 5 Quantity of waste generated -
- 6 Quantity of waste disposed -
- 7. Quantity re-exported (wherever applicable)-
- 8 Quantity in storage at the end of the year -

Date. 17.06.2020 Place - RANDIA Signature of the Occupier or Operator of the disposal facility







CHARGE CHROME PLANT

KALLE- P

Ref. : CCP/Mech/78 Date: 03.10.2009

THROUGH COURIER SERVICE

The Environmental Engineer-II, State Pollution Control Board, Orissa, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, BHUBANESWAR - 751 012.

Dear Sir.

Sub: Display of copy of Environmental Clearance for 30 days

for reference of Public.

Ref. : Your Memo No. 14880 dated 16.09.09.

With reference to your above Memo and general condition No. X of Environmental Clearance, we have displayed an advertisement regarding Environmental Clearance on 1st October '09 in the daily Oriya Newspaper, SAMAJ and SAMBAD for information of Public. Copy of the same are enclosed herewith for your kind information and record.

Thanking you,

Yours faithfully, for Ferro Alloys Corporation Ltd., Charge Chrome Plant.

(P.G. SURESH I GENERAL MANA

Encl : As above.

Ce to : Collector & District Magistrate, Bhadrak.

General Manager, D.I.C., Bhadrak.

Regional Officer, State Pollution Control Board, Balasore.

Cc to: SN (RESES), SM (Maint.), MF, REC.



S.No		Conditions	Compliance of Condition
	A.	Specific Conditions	Compliance of Conditions
1	1	Continuous monitoring facilities for all the stacks and sufficient air pollution control (equipments viz. fume extraction system, cyclones and bag filters to the gas cleaning plant (GCP), ID fan and stack of adequate height to submerged arc furnace shall be provided to control particulate matter emissions below 100 mg/Nm³. Bag filters shall be provided to control the dust generated from the briquetting plant. The Orissa Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Complied. The exhaust gas from the semi opened Smelting Arc Furnace generated at a temperature of over 350°C containing dust Particulates, Sulphur Dioxide; Oxides of Nitrogen, Carbon Monoxide is cleaned by Dry Gas Cleaning Plant, GCP consists of Ducts, Equalizer, Trombone Cooler, ID Fan, Bag Filters for separation of dust from the flue gas. Regular preventive maintenance of pollution control equipments are carried out. AAQMS and Stack monitoring is done by authorized 3rd Party on monthly basis. Report enclosed herewith as Annexure -A. The emission level are within prescribed standard.
2	11	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NOx are anticipated in consultation with the OPCB. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, OPCB and CPCB once in six months.	Complied. The ambient air quality monitoring is done in four different location of the plant - Auto garage, MRP Plant, MRSS and R&C Lab. Stack monitoring of GCP and Dryer stack is done by authorized 3rd party Kalyoni laboratories PVT. LTD. Data on ambient air quality and stack emission are being regularly submitted to OSPCB.
3	iii	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Dry fog dust suppression system will be provided at crushing [and screening section of metal recovery plant to control fugitive emissions generated during crushing, screening etc. Dust extraction system shall be provided to control the fugitive dust from raw material handling, screening and conveying section along with product handling section, transfer and feeding points to control fugitive dust emissions to meet the OPCB norms. Internal roads shall be made black topped and asphalted. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.	Complied. In order to control the fugitive emission there are bag filters attached to dryer plant. Water sprinklers are provided at storage hopper and feeding points of raw material handling system. Plant roads & approach roads have already made concreted, with the help of one water tankers of 10KL capacity are being sprinkled over the roads throughout the working shift to prevent the dust emanation due to vehicular movement.
4	lv	Data on ambient air quality, stack emissions and fugitive emissions shall be uploaded on the Company's website and also regularly submitted online to the Ministry's Regional Office at Bhubaneswar, Orissa Pollution Control Board (OPCB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months. Data on SPM, SO ₂ and NOx shall also be displayed prominently outside the premises at the appropriate place for the information of general public.	Authorized 3rd party monitoring report of air quality and stock emission is been submitted in monthly for the concern Orissa Pollution Control Board (OPCB). Report enclosed herewith as Annexure -B. Data on ambient air quality, stack emission and fugitive emissions will be uploaded on company's webiste shortly after resumption of server error in the company portal. Data on SPM, SO ₂ and NOx are being displayed prominently outside the premises at the appropriate place for the information of general
5	٧	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	coalic. Complied. Secondary fugitive emissions are being controlled by bag houses at dryer & briquetting plant, water sprinklers and water tankers all other area of the plant.
6	vi	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	Complied. The water tanker of 10KLD capacity are being used as dust supression on concrete roads through out working shift with proper housekeeping contract service to control dust emissions during loading and unloading of the raw material and finished product.
7	vii	Total water requirement should not exceed 168 m³/day ground water as per the 'permission' accorded by the Central Ground Water Authority vide letter no. 21 4(74)/SER/CGWA/2008-1281 dated 24h October, 2008. Closed circuit cooling system shall be adopted to reduce water consumption. Effluent from Soft water plant shall be neutralized and collected in equalization-cum-settling pond and clear water recycled/reused for dust suppression, metal cooling, slag granulation, green belt development and other plant related activities within the plant premises. Cooling under blow down shall be treated and completely recycled. Wastewater from Jigging Plant shall be treated in a settling tank and reused in Jigging plant. No wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Domestic wastewater shall be treated in septic tanks followed by soak pit system and used for green belt development.	for use of ground water in our charge charme plant and the total water are beign used within the prescribed limit of CGWA. Closed circuit cooling system are being adopted to reduce water consumption. No wastewater are being discharged outside the factory premises and



S.No		Conditions	Compliance of Conditions
8	viii	Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.	Complied. 'Zero' effluent discharge are being strictly followed and no wastewate are being discharged outside the premises.
9	ix	Metal Recovery Plant shall be installed to recover metal in metal recovery plant (Rigging plant) through hydraulic jazzing process. Discharge from metal recovery plant shall be monitored for the Chromium content and maintained within the permissible limit before recycling-and-reuse. Slagtallings shall be dumped-in-own-premises in secured-land fill as per CPCR guidelines after recovery of the metal. Used oils/lubricants shall be sold to authorized recyclers / reprocessors.	Complied. Metal Recovery Plant has already been installed. Discharge from metal recovery plant are being monitored for the Chromium content and maintained within the permissible limit before recycling-and-reuse. Slag-tailings are being dumped-in-own-premises in secured-land fill apper CPCR guidelines after recovery of the metal. Used oil is being disposed within 90 days to authorized vendor according to hazardous authorization 2016.
10	×	Chromate sing shall be used for road making only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, Ferro clirome shall be recovered from the sing and output waste shall be disposed in secured landfill as per CPCB guidelines. All the other solid waste shall be properly disposed off in environment-friendly manner. No hazardous materials shall be spilled out and good house keeping practices shall be adopted. Hazardous waste shall be handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.	Complied. The slag is been reused as a filling in the low lying areas and for the road making purpose as per the approval of OSPCB. All the other solid waste are being properly disposed off in environment-friendly manner. No hazardous materials are being spilled out and good house keeping practices has already been adopted. Hazardous waste are being handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.
11	×i	Product fines, flue dust should not be dumped anywhere but reused in the process. Flue dust and briquette plant dryer dust along with chrome ore fines shall be reused for making briquettes after ensuring non- hazardous in nature. Sewage sludge from Septic tank shall be used as manure.	Complied. The flue dust is reused by Collecting in Silo through chain conveyor and made into pellets, Pellets are charged into furnace on day-to-day basis. The work is under progress for use of sewage sludge from Septic tank as manure.
12	хii	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, OPCB and CPCB.	Complied. Solid and hazardous waste is being monitored and intimation to the concern authorities before and after the disposal of waste. FORM 4 annual report is submitted to OSPCB on yearly basis. Copy enclosed herewith as Annexire -C.
13	XIII	As proposed, green belt shall be developed in at least 84 acres (33 %) out of total 205.50 acres within and around the plant premises as per the CPCB guidelines in consultation with DFO.	We have developed greenbelt in & around the plant premises. However we are going to conduct green belt survey by engaging authorized third party to assess the actual percentage of coverage.
14	xiv	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chrome units shall be strictly implemented.	Complied. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chrom units are being implemented.
15	×v	All the issues raised during the Public Hearing / Public Consultation meeting and commitments made shall be satisfactorily implemented.	It has been clarified vide Para 4.0 of the Environment Clearance dated on 04.05.2009 that no public hearing is required as per section 7(ii) of EIA notification, 2006.
1	8	General Condition	
1	ı	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government.	All the necessary measures have been taken to adhere to the stipulations made by Orissa Pollution Control (OPCB) and the State Government.
2	-110	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No further modification / expansion has been carried out in the plant premises till date.
3	ш	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	The Industrial waste water are properly collected through garland drain and recycle to the process. The treated wastewater is being utilized for plantation purpose.



		For the period from Oct 2019	9 upto March 2020
5.No		Conditions	Compliance of Conditions
4	lv	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have provided three nos rainwater harvesting pond in plant as well as colony area to conserve rain water and utilize in lean season.
5	v	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Noise level is being monitored internally in all major working location inside the plant premises and are within the standard.
6	VI	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Perodic Medical Examination is being conducted yearly for all employees and workmen on regular basis and records are also being maintained as per the Factories Act.
7	vii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We are complying with all the environmental protection measures an safeguards recommended in the EIA/EMP report. Further, we have already engaged our CSR team for undertaking sock economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
8	viii	As proposed, Rs. 10.00 Crores and Rs. 4.00 Crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	The company has been acquired by Vedanta Ltd. As per the order dated 30.01.2020 of National Company Law Tribunal Cuttuck bench. new board has also been constituted on dated 21.09.2020 pursuent the order of NCLT and the provision of IBC - 2016. The new mamangement has already proposed specific budget to be utilized for environment pollution control measures and to implement the conditions stipulated by MOEF as well as the state government.
9	ix	The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Monitoring data is being sent to OPCB on monthly basis. Six monthly compliance report submitted to MOEF herewith.
10	×	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the OPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	We have published and circulated the environment clearance of our plant on daily odia newspaper Sarnaj and Sambad dated 01.10.2009 for information of public. Copy enclose dherewith as Annexure.D.
11	хi	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Processor N. O.



Ajit Kumar Parida Factory Manager Ferro Alloya Corporation Ltd. D.P. Nagar, Randia Ehadrak-756135

Kalyani Laboratories

TEST REPORT





NABL ULR NO Test Report No TC704319000002916P

310 | 3131B64 KLPL/10/19/ENVN/00380

Issue Date

12 Nov-2019

Rerefrence

W NO-MAT/80/36/1920 DATED 05 06.2019

Customer Name

FERRO ALLOYS CORPORATION LIMITED

Address Date of receipt CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135 ,BHADRAK, ODISHA 26-Oct-2019

Commenced On: 26-Oct-2019

Completion On:

28-Oct-2019

Sample Name

FLUE GAS | STACK MONITORING

Sample Condition

Quantity

2 NOS

Ref. To Sampling Procedure.

KLPL/SOP/AIR-06

Unit	Stano	lard Value Res	sults Test Method	
DRYER STACK-4,	23.10.2019	*************		
mg/Nm³		14.3	15 11255(part-2) 1985(RA 2014)	
mg/Nm³		88,50	KLPL/SOP/AIR:06	
mg/Nm3		22.9	IS 11255 (part 7) 2005	
GCP STACK , 24	10.2019			
mg/Nm³	15	11.9	15 11255(part-2) 1985(RA 2014)	
mg/Nm³	-	69.55	KLPL/SOP/AIR-O5	
mg/Nm3	7	18.8	IS 11255 (part-7) 2005	
	mg/Nm³ mg/Nm3 mg/Nm3 GCP STACK , 24. mg/Nm³ mg/Nm³	DRYER STACK-4 , 23.10.2019 mg/Nm³ - mg/Nm3 GCP STACK , 24.10.2019 mg/Nm³ - mg/Nm³ -	DRYER STACK-4 , 23.10.2019 mg/Nm ³	DRYER STACK-4 , 23.10.2019 mg/Nm³ - 14.3 15 11255(part 2) 1985(RA 2014) mg/Nm³ - 88.50 KLPL/50P/AIR 06 mg/Nm³ - 22.9 15 11255 (part 7) 2005 GCP STACK , 24.10.2019 mg/Nm³ - 11.9 15 11255(part -2) 1985(RA 2014) mg/Nm³ - 69.55 KLPL/50P/AIR-06

Remarks

. NIL

Any unusual feature observed during determination

NIL

End of Test Report

1)732 WOW

Authorised Signatory For Kalyani Laboratories Pvt. Ltd.



Katyani Laboratories

TEST REPORT

: TC704319000003182P

353 | 3611C6E KLPL/11/19/ENVN/00425

Issue Date

11-Dec-2019

Rerefrence

NABL ULR NO Test Report No

W NO-MAT/80/36/1920 DATED 05 06 2019

Customer Name Address

FERRO ALLOYS CORPORATION LTD. CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA

Date of receipt

16-Nov-2019

Commenced On: 16-Nov-2019

Completion On:

19-Nov-2019

Sample Name

FLUE GAS | STACK MONITORING

Sample Condition

Quantity

2 NO

Ref. To Sampling Procedure:

KLPL/SOP/AIR-06

Parameters .

Unit

mg/Nm³

mg/Nm3

Standard Value

66.3

20.1

Results

Test Method

KLPL/SOP/ARE DE

15 11255 (part-7) 2005

Location & Date

DRYER STACK-4, 13.11.2019

Sulphur Dioxide	mg/Nm³		15.1	15 11255(part 2) 1985(RA 2014)
-articulate Matter	mg/Nm³	12	84.7	KLPL/SOP/AIR DE
Nitrogen Dioxide	mg/Nm3		23.8	IS 11255 (part-7) 2005
Location & Date	GCP STACK , 14	.11.2019		
Sulphur Dioxide	mg/Nm³		12.9	IS 11255(part 2) 1985(RA 2014)

Remarks

Particulate Matter

Nitrogen Dioxide

NIL

Any unusual feature observed during determination

- NIL

Pertak agagag Authorised Signatory 7/1/2/2019 For Kalyani Laboratories byt Ltd





Kalyani Laboratories

Test Report No

TC704320000003374P 370 | 3825D2E KLPL/12/19/ENVN/00461

Issue Date

Amendment Date

10-Jan-2020

Amendment No

Reference

NABL ULR NO

W NO-MAT/80/36/1920 DATED 05.06.2019.

Customer Name

FERRO ALLOYS CORPORATION LTD.

FLUE GAS | STACK MONITORING

Address

23-Dec-2019

CHARGE CHROME PLANT , D. P. NAGAR, RANDIA 756135, BHADRAK, ODISHA Commenced On: 23-Dec-2019

Campletion On

26-Dec-2019

Date of receipt Sample Name

Sample Condition

Quantity

2 NOS

KLPL/SOP/AIR 06

Ref To Sampling Procedure

Unit

Results

Test Method

Parameters . Location & Date

DRYER STACK-4, 20.12.2019

Sulphur Dioxide	mg/Nm³	7.	13.0	IS 11255(part-2) 1985(RA 2014)	
articulate Matter	mg/Nm³	1.	80.2	HLPL/SOP/ALR-06	
Nitrogen Dioxide	mg/Nm3	-	21,0	IS 11255 (part 7) 2005	
Location & Date	: GCP STACK , 21	.12.2019			
Sulphur Dioxide	mo/Nm3	I.	149.9	15 11 2557-24 31 1005/24 10141	

Standard Value

Sulphur Dioxide	mg/Nm ²	-	12,2	15 11255(part 2) 1985(RA J014)
Particulate Matter	mg/Nm³	12	67.6	KLPL/SQP/AIR-06
Nitrogen Diaxide	rng/Nm3	- 200	18.5	IS 11255 (part 7) 2005

Remarks

NIL

Any unusual feature observed during determination

NIL End of Test Report

Valle Beaching

Analysed By

For Kalyani Laboratories Pvt. Ltd.

steetha Llayay V FO101/20170 Authorised Signatory For Kalyani Laboratories Pvt. Ltd.



Kallyani Laboratories

NABL ULR NO TEST REPORT TC704320000003374P Test Report No 370 | 3825D2E KLPL/01/20/ENVN/00461 Amendment No Issue Date : 20-Jan-2020 Reference Amendment Date W NO MAT/80/36/1920 DATED 05.06.2019 Customer Name FERRO ALLOYS CORPORATION LTD. Address CHARGE CHROME PLANT ,D P NAGAR, RANDIA-756135, BHADRAK, ODISHA. Date of receipt : 18-Jan-2020 Commenced On . 18-Jan-2020 Sample Name Completion On. FLUE GAS | STACK MONITORING 20-Jan-2020 Sample Condition Quantity 2 NOS Ref To Sampling Procedure: QSP-07 Parameters Unit Standard Value Location & Date Results Test Method DRYER STACK-4, 16.01.2020 Sulphur Dioxide mg/Nm³ 14.2 15 11255(part 2) 1985(RA 2014) Particulate Matter mg/Nm3 81.3 KEPL/buP/AIR-06 Nitrogen Diaxide mg/Nm3 22.5 15 11255 (part 7) 2005 Location & Date GCP STACK , 17.01.2020 Sulphur Dioxide mg/Nn) = 11.1 IS 11255(part-2) 1985(RA 2014) Particulate Matter mg/Nm= 62.0 KLPL/SOP/AIR-06 Nitrogen Dioxide mg/Nm3 17.1 15 11255 (part-7) 2005

Remarks

NIL

Any unusual feature observed during determination

· NIL

Eng of Test Report

Digamber Authorised Signatory For Kalyani Laboratories Pvt. Ltd





Katyani Laboratories

TEST REPORT

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Commenced On: 15-Feb-2020

424 | 4514F30 KLPL/3/20/ENVN/00540

W.NO-MAT/80/36/1920 DATED 05.06 2019

FERRO ALLOYS CORPORATION LTD.

FLUE GAS | STACK MONITORING

Issue Date

18-Feb-2020

Amendment Date

Test Report No Amendment No

NABL ULR NO

Reference

Customer Name

Address

Date of receipt Sample Name

Sample Condition

Quantity Ref. To Sampling Procedure: 2 NOS

15-Feb-2020

: TC704320000003888P

Standard Value

Results

Test Method

Completion On: 17-Feb-2020

Parameters Unit Location & Date : DRYER STACK-4 DT-11/02/2020 Sulphur Dioxide mg/Nm³ IS 11255(part-2): 1985(RA 2014) -- rticulate Matter mg/Nm3 Nitrogen Dioxide mg/Nm3 13.19 IS 11255 (part-7) 2005 Location & Date GCP STACK DT-12/02/2020 Sulphur Dioxide mg/Nm³ IS 11255(part-2) 1985(RA 2014) Particulate Matter mg/Nm3 KLPL/SOP/AIR DE Nitrogen Dioxide mg/Nm3 17.2 15 11255 (part-7) 2005

Remarks

Any unusual feature observed during determination

MIL

Dislambor Azunt. Analysed By

Kalyani Laboratories Pvt. Ltd.

Dorman Authorised Signatory

For Kalyani Laboratories Pvt. Ltd.





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TEST REPORT

TC704320000004104P 443 | 46631008 KLPL/3/20/ENVN/00571

Issue Date

Amendment Date

: 21-Mar-2020

Test Report No Amendment No

NABL ULR NO

W.NO-MAT/80/36/1920 DATED 05:06:2019

Reference Customer Name

FERRO ALLOYS CORPORATION LTD.

Address

CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA.

Date of receipt

14-Mar-2020 FLUE GAS | STACK MONITORING

Commenced On: 14-Mar-2020

Completion On:

16-Mar-2020

Sample Name

Sample Condition Quantity

2 NOS

QSP-07

Ref. To Sampling Procedure: Parameters

Standard Value

Results

Test Method

Location & Date

Unit

DRYER STACK-4, 11.03.2020

mg/Nm³ Sulphur Dioxide mg/Nm³ Particulate Matter

mg/Nm3

15.1 84.0 (E 11255(part-2) 1985(RA 2014) KLPL/SDP/AIR-06

IS 11255 (part-7).2005 23.3

Nitrogen Dioxide Location & Date

GCP STACK , 12.03.2020

mg/Nm3

Sulphur Dioxide Particulate Matter

Nitrogen Dioxide

mg/Nm³ mg/Nm^a

12.3 65.0 IS 11255(pert-2) 1985(RA 2014)

KLPL/SOP/AIR-06

18.2

15 11255 (part-7) 2005

Remarks

. NIL

Any unusual feature observed during determination

Dignishes Aprilate

Kalyani Laboratories Pvt. Ltd.

DESTICL Authorised Signatory

For Kalyani Laboratories Pvt. Ltd.





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TEST REPORT





NABL ULR NO Test Report No TC704319000002899P

298 | 3130B53 KLPL/10/19/ENVN/00379

Issue Date

09-Nov-2019

Rerefrence

W NO-MAT/80/36/1920 DATED 05.06.2019

Customer Name

FERRO ALLOYS CORPORATION LIMITED CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135 BHADRAK, ODISHA

Address

26-Oct-2019

Commenced On: 26-Oct-2019

Completion On:

28-Oct-2019

Date of receipt Sample Name

AMBIENT AIR QUALITY MONITORING

Sample Condition

: GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATEDST

Quantity

4 NOS

Ref. To Sampling Procedure:

Particulate Matter (PM2.5)

Carbon Monoxide (CO) (01 Hrs.)

KLPL/SOP/AIR-06

475	200	and a	no fire	de la	-
F 12.	reni	1114	274.7	25.0	56.

Unit

Standard Value Results Test Method

Location & Date	7	AUTO

Location & Date : AU	TO GARAGE , :	24-25/10/201	9	
Sulphur Dioxide	µg/m³	80	4.07	15-5182(PART 2) - 2001
trogen Dioxide	µg/m³	60	10.39	[S 5182 (PART 6) 2006
Particulate Matter (PM10)	µg/m³	100	51.0	IS 5182(PART-23) 2006
Particulate Matter (PM2 5)	µg/m³	60	31.12	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	1.7	CPCB Guidelines of Ambient Air Pollutants Volume-I & II
Location & Date : MR	P, 22-23/10	/2019		
Sulphur Dioxide	µg/m³	80	5.43	IS 5182(PART-2) 2001
Nitrogen Dioxide	µg/m³	80	13,12	15 5102 (PART 6) 2006
Particulate Matter (PM10)	µg/m³	100	61.0	15 5182(PART-23) 2006
Particulate Matter (PM2.5)	µg/m³	60	39.48	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m²	04	2.35	CPCB Guidelines of Ambient Air Pollutents Volume-J & 11
	AR POWER PL	ANT, 23-24/	10/2019	
Sulphur Dioxide	µg/m³	80	6.21	IS S182(PART 2) 2001
Nitrogen Dioxide	ug/m³	80	12,04	IS 5182 (PART 6) 2006
articulate Matter (PM10)	µg/m³	100	65.0	15 5182(PART 23) 2006
Particulate Matter (PM2.5)	µg/m³	GO	35.25	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	.04	3.0	CPCB Guidelines of Amoient Air Pollutants Volume-1 & II
The state of the s	S C LAB , 21-2	2/10/2019		
Sulphur Dioxide	µg/m³	80	4.25	1S 5182(PART 2) 2001
Nitrogen Dioxide	µg/m³	80	12.11	15 5182 (PART 6) 2006
Particulate Matter (PM10)	µg/m³	100	58.0	15 5162(PART 23) 2006
Particulate Matter (2M2.5)	µg/m³	60	36.21	KLPL/SOP/AIR-02

2.15



04

mg/m3



CPCS Guidelines of Ambient Air Pollutants Volume-I & II

Katyani Laboratories

Commenced On 16-Nov 2019





NABL ULR NO

: TC704319000003181P

Issue Date

11-Dec-2019

Test Report No

352 | 3610C6D KLPL/11/19/ENVN/00424

Rerefrence Customer Name

Address

W NO-MAT/80/36/1920 DATED 05:06:2019 FERRO ALLOYS CORPORATION LTD.

: CHARGE CHROME PLANT , D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA

Completion On 19 Nov-2019

Date of receipt Sample Name

AMBIENT AIR QUALITY MONITORING

Sample Condition

GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity

- 4 NO

Ref.To Sampling Procedure

Carbon Monoxide (CO) (01 Hrs.)

Location & Date

KLPL/SOP/AIR-06

16-Nov-2019

1.4	Photo:		16	-	les 8	100	-	
- 4	P-7/2	r c	31	т	CI	X2	F.	50

Standard Value Onit.

NEAR POWER PLANT, 13-14/11/2019

Results

Test Method

Location & Date : AUT	O GARAGE,	14-15/11/20	19	
Sulphur Dioxide	µg/m³	80	4,59	15 S182(PART 2) 2001
- iltrogen Dioxide	µg/m³	80	12.30	IS 5182 (PART 6) 2006
Particulate Matter (PM10)	pg/m³	100	57.0	15 5182(PART 23) 2006
Particulate Matter (PM2 5)	µg/m³	60	38.14	KLPL/SDP/AIR D2
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	1.9	CPCB Guidelines of Ambient Air Pollutants Volume 1 & II
Location & Date : MR	P, 12-13/11	/2019	-	
Sulphur Dioxide	µg/m³	80	6.29	(5-5182(#ART 2) 2001
Nitrogen Dioxide	ug/m³	80	16.06	15 5187 (PART 6) 7006
Particulate Matter (PM10)	µg/m³	100	66.0	19 5182(PART 23) 2006
Particulate Matter (PM2.5)	µg/m³	60	44.06	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.45	CPCB Guidelines of Ambient Air Pollutants Volume I & II

Sulphur Dioxide	µg/m³	80	7,10	IS 5182(PART 2) 2001	
Nitrogen Dioxide	µg/m³	80	17.22	15 5182 (PART 6) 2006	
articulate Matter (PM10)	ug/m³	100	70.0	15-51H2(PART 33) 2006	
Particulate Matter (PM2 5)	µg/m [∞]	60	48.26	KLPL/SOP/AIR 02	
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	3.15	CPCB Guidelines of Ambient Air Pollutants Volume-1 & II	
Location & Date : R &	C LAB , 11-1	2/11/2019			
Sulphur Dioxide	µg/m³	80	5.08	15 5182(PART-2) 2001	
Nitrogen Dioxide	pg/m³	80	14.13	IS 5182 (PART 6) 2006	
Particulate Matter (PM10)	µg/m³	100	62.0	IS \$182(PARY 23) 2006	
Particulate Matter (PM2-5)	µg/m³	60	40.01	KLPU/SOP/AIR-02	
Carbon Monoxide (CO) (01 Hrs)	mg/m³	04	2.20	CPCB Guidelines of Ambient Av. Pollutants Volume-1 & II	





Kadyani Laboratories

NABI III D NO . T	C70433000000	-	T REPORT	ø	
Test Report No :	382 3824D6	704320000003436P 382 3824D6C KLPL/12/19/ENVN/00460 NO-MAT/80/36/1920 DATED 05.06.2019		72 14 17 25 18	17-Jan-2020
	ERRO ALLOYS C			35,BHADRAK,ODISHA	
Date of receipt 2 Sample Name A Sample Condition G Quantity 4 Ref To Sampling Procedure: K Parameters	3-Dec-2019 MBIENT AIR QL	Commenced FALITY MONI ABSORBING S	On 23-Dec-201 TORING SOLUTIONS REFRIGE dard Value Resu	9 Completion On	: 26-Dec-2019
Sulphur Dioxide	µg/m³	80	4.09	IS \$182(PART 2) 2001	
Nitrogen Dioxide	pg/m*	80	14,04	15 5182 (PART 6) 2006	
Particulate Matter (PM10)	ug/m³	100	60.0	IS 5182(PART-23) 2006	
Particulate Matter (PM2.5)	ug/m³	60	39,14	KLPL/SOP/AIR 02	
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.05	CPCB Guidelines of Ambient	Air Pollutants Volume-1 & 11
Location & Date : M	ARP, 18-19/12/	2019			
Sulphur Dioxide	ha/wa	60	7.42	IS S182(PART-2) 2001	
itrogen Dioxide µg/m³		80	18.21	IS S182 (PART 6.) 2006	
articulate Matter (PM10) µg/m³		100	69.0	IS \$182(PART-23) 2006	
Particulate Matter (PM2 5) µg/m³		60	47.22	KLPL/SOP/AIR-02	
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2,52	CPCB Guidelines of Ambient	Air Pollutants Volume-1 & II
Location & Date : N	NEAR POWER PL	ANT, 19-20/	12/2019		
Sulphur Dioxide	h@\ura	80	8.21	IS 5162(PART-2) 2001	
Nitrogen Dioxide	μg/m³	80	19.34	IS 5182 (FART 6) 2006	
Particulate Matter (PM10)	µg/m³	100	73.0	15 5182(PART-23) 2006	
Particulate Matter (PM2.5)	µg/m³	60	48.04	KLPL/SQP/AIR-02	
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	3.20	CPCB Guidelines of Ambient Air Pollutants Volume-I B II	
Location & Date : I	R & C LAB , 17-1	8/12/2019			
Sulphur Dioxide	µg/m³	80	6.21	IS 5182(PART 2) 2001	
Nitrogen Dioxide ug/m³		80	15.45	IS 5182 (PART 6) 2006	
Particulate Matter (PM10)	ug/m³	100	65.0	IS 5182(PART-23) 2006	
Particulate Matter (PM2.5)	µq/m³	60	43.49	KLPL/SOP/AIR 02	
Carbon Monoxide (CO) (01 Hrs.) ing/m³		04 2.35		CPCB Guidelines of Ambient Air Figure III - Volume-1 & II	



D6C34366554

Kalvani Laboratories

TEST REPORT NABL ULR NO TC704320000003633P Test Report No 401 | KLPL/1/20/ENVN/00508 Issue Date 20-Jan-2020 Amendment No Amendment Date Reference W.NO-MAT/80/36/1920 DATED 05:06:20 Customer Name FERRO ALLOYS CORPORATION LTD. Address CHARGE CHROME PLANT ,D P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. Date of receipt 18-Jan-2020 Commenced On 18 Jan 2020 Completion On: Sample Name 20-Jan-2020 AMBIENT AIR QUALITY MONITORING Sample Condition GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED Quantity Ref. To Sampling Procedure 200 15/41 QSP 07 **Parameters** Umit Standard Value Results Test Method Location & Date AUTO GARAGE DT-16-17/01/2020 220 Sulphur Dioxide µg/m³ 80 5,31 IS S182(PART 2) 3001 * itragen Diaxide ug/m³ 80 16.05 IS 5182 (PART 6) 2006 Particulate Matter (PM10) ug/m¹ 100 64.0 15 5182(PART-23) 2006 Particulate Matter (PM2 5) og/m≥ 60 42.38 KLFL/SOF/AIR-02 DEED IN Carbon Monoxide (CO) (01 Hrs.) mg/m3 2.12 CPCB Guidelines of Ambient Air Pollutants Volume-1 & II Location & Date MRP PLANT DT-15-16/01/2020 Sulphur Dioxide ng/m2 80 8,46 IS SIEF(PART 2) 2001 Nitrogen Dioxide 1/g/m³ 80 20.36 IS \$182 (PART 6.) 2006 Particulate Matter (PM10) 110/m/ 100 71 0 IS 5182(PART-23) 2006 Particulate Matter (PM2 5) µg/m³ 50 49.12 REPLISOP/AIR-03 Carbon Monoxide (CO) (01 Hrs.) mg/m3 2.58 CPCB Guidelines of Ambient Air Pollutants Volume-I & II Location & Date NEAR POWER PLANT DT-14-15/01/2020 Sulphur Dioxide µg/m³ 80 9.03 15 5182(PART 2) 2001 en Dioxide im/m/t 80 21.36 15 5182 (PART 6.1 2006 Particulate Matter (PM10) pg/m² 100 23.0 IS 5182(PART 22) 2006 Particulate Matter (PM2.5) ma/ma 60 51.07 KLPL/SOP/AIR 02 Carbon Monoxide (CO) (01 Hrs.) mg/m3 3.15 CPC8 Guidelines of Ambient Air Pollutants Volume-1 & 11 Location & Date R & C LAB DT-13-14/01/2020 Sulphur Dioxide ug/m/ 80 7.32 IS 5182[PART 2] 2001 Nitrogen Dioxide intl/mil 80 18.38 IS 5182 (PART 6.) 2006 Particulate Matter (PM10) 1947/1913 100 68.0 IS 5182(PART 23) 2006 Particulate Matter (PM2 5) µg/m³ 60 46.03 KLPL/SOP/AIR-02 Curbon Manoxide (CO) (01 Hrs.) mg/m* 04 2.28 CPCB Guidelines of Ambient Air Pollutants Volume-1 & []





Katyani Laboratorios

NABL ULR NO : TO	7043200000038	- District Contract C	T REPORT	A		
Test Report No :	423 4513F2F	7577	/ENVN /00530	Issue Date	16-Mar-2020	
Amendment No : -	425 45251 21	KEFE/3/20/	EHVN/00339		16-Mar-2020	
Reference W	NO-MAT/80/36/19	20 DATED 05	5.06.2019	Paracriament Date		
Customer Name FE	RRO ALLOYS CO	RPORATION	LTD.			
				5,BHADRAK,ODISHA		
			On: 17-Feb-2020		21-Feb-2020	
	MBIENT AIR QUA	LITY MONIT	ORING			
Sample Condition : GA	ASEOUS SAMPLE A	BSORBING S	DLUTIONS REFRIGER	ATED		
## PHOTONY (Phase and parent and parent in the control of the APA).	NOS					
Township the stability of the part of the	P-07					
Parameters	Unit		ard Value — Result	s Test Method		
The contract of the contract o	ITO GARAGE	DT-13-14.	02.2020			
Sulphur Dioxide	µg/m³	80	6.29	IS 5182(PART 2) 2001		
itrogen Dioxide	μg/m³	80	18.12	15 S182 (PART 6) 2006		
Particulate Matter (PM10)	µg/m²	100	66.0	IS 5162(PART-23) ,2006		
Particulate Matter (PM2.5)	μg/m³	60	44,06	KLPL/SOR/AIR-02		
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.12	CPCB Guidelines of Ambient Air Pollutants Volume-L& II.		
Location & Date : MR	RP PLANT DT-	1-12.02.20	20			
Sulphur Dioxide	hur Dioxide µg/m³ 80		9,44	15 5182(PART 2) 2001		
Nitrogen Dioxide µg/m³ 8		80	21.48	15 5182 (PART 6) 7006		
articulate Matter (PM10) µg/m³ 100		100	72.0	15.5182(PART 23): 2006		
Particulate Matter (PM2.5)	nd/w _a	60	50.24	KLPL/SOP/AIR-02		
Carbon Monoxide (CO) (01 Hrs.)	mg/m³	04	2.52	CPCB Guidelines of Ambient Air Pollutants Volume-1 & II		
Location & Date : NE.	AR POWER PLAN	T DT-12	-13.02.2020			
Fulphur Dioxide	hd/us _a	80	10.11	I5 5182(PART-2) 2001		
≝åtrogen Dioxide	µg/m³	80	22,34	IS 5182 (PART 6.) 2006		
Particulate Matter (PM10)	µg/m³	100	75.0	IS 5182(PART 23) 2006		
Particulate Matter (PM2.5)	ticulate Matter (PM2.5) µg/m³ 60		53.11	KLPL/SOP/AIR-02		
Carbon Monoxide (CO) (01 Hrs.) mg/m³ 04		04	3.11	CPCB Guidelines of Ambient Air Pollutants Volume-L& II		
Location & Date : R &	C LAB DT-10-11	/02/2020		- 11		
Sulphur Dioxide	µg/m²	80	6.18	2S S1B2(PART-2) 2001		
Nitrogen Dioxide	µg/m³	80	19.43	IS S182 (PART 6.) 2006		
Particulate Matter (PM10)	µg/m³	100	69.0	15.5182(PART-23) 2006		
Particulate Matter (PM2.5)	µġ/m³	60	47.42	KLPL/SOP/AIR-02		
ended and other real residences.	Transmiler	7.00	12122	Taxananan on service subsection	1W-0717-00012W-117-195-147	



mg/m3

Carbon Monoxide (CO) (01 Hrs.)

CPC8 Guidelines of Ambient Air Pollutants Volume-1 & II

TEST REPORT

Mani Laboratories

NABL ULR NO TC704320000004103P Test Report No 442 | 46621007 KLPL/3/20/ENVN/00570 Issue Date : 21-Mar-2020 Amendment No Amendment Date f(w)Reference W.NO-MAT/80/36/1920 DATED 05.06.20 Customer Name FERRO ALLOYS CORPORATION LTD. Address CHARGE CHROME PLANT, D.P. NAGAR, RANDIA-756135, BHADRAK, ODISHA. Date of receipt 14-Mar-2020 Commenced On : 14-Mar-2020 Completion On: 18-Mar-2020 Sample Name AMBIENT AIR QUALITY MONITORING Sample Condition GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED Quantity 4 NOS Ref. To Sampling Procedure: OSP-07 Parameters Unit Standard Value Recults Test Method Location & Date **AUTO GARAGE** DT-12-13/03/2020 Sulphur Dioxide μg/m³ IS 5182(PART-2) 2001 Nitrogen Dioxide µg/m³ 80 17.18 IS 5182 (PART 6) 2006 Particulate Matter (PM10) IS 5182(PART-23) 2006 ug/m3 100 68.0 µg/m³ Particulate Matter (PM2.5) 60 KLPL/SOP/AIR-02 42.38 Carbon Monoxide (CO) (01 Hrs.) mg/m³ 04 2.25 CPCB Guidelines of Ambient Air Pollutants Volume-J & II Location & Date PLANT DT-10-11/03/2020 Sulphur Dioxide µa/m³ 80 8.21 (\$ 5182(PART-2) 2001 Nitrogen Dioxide µg/m³ 20.15 IS 5187 (PART 6) 2006 Particulate Matter (PM10) IS 5182(PART-23) 2006 µg/m³ 100 73.0 Particulate Matter (PM2.5) no/m³ KLFL/SOP/AIR-02 60 48.04 Carbon Monoxide (CO) (01 Hrs.) mg/m³ 2.67 CPCB Guidelines of Ambient Air Pollutants Volume-I & II Location & Date : NEAR POWER PLANT DT-11-12/03/2020 ulphur Dioxide IS 5182(PART 2) 2001 µg/m³ 80 11.03 Nitrogen Dioxide IS 5182 (PART 6) :2006 Ma/m/ 80 22.07 Particulate Matter (PM10) ug/m³ 100 IS 5182(PART-23) 2006 77.0 KLPL/SOP/AIR-02 Particulate Matter (PM2.5) µg/m³ 60 51.29 CPCB Guidelines of Ambient Air Pollutants Volume-1 & II mp/m2 04 Carbon Monoxide (CO) (01 Hrs.) 3.26 Location & Date : R & C LAB DT-09-10/03/2020 Sulphur Dioxide ug/m³ 5.10 IS 5182(PART-2) 2001 IS 5182 (PART 6.) 2006 Nitrogen Dioxide µg/m³ 18.37 15 5182(PART 23) 2006 Particulate Matter (PM10) µg/m³ 100 71.0 µg/m³ 60 44.26 KLPL/SOP/AIR DZ Particulate Matter (PM2.5) CPCB Guidelines of Ambient Air Pollutants Volume-1 & II Carbon Monoxide (CO) (01 Hrs.) 2,35 CORPO







Registered Office:

FERRO ALLOYS CORPORATION LIMITED

Charge Chrome Plant

D.P. Nagar, P.O. Randia, Pin-756 135

Dist.- Bhadrak, Odisha, Indra

Phone

06784 - 240272 / 240347 / 240320

Fax

06784 - 240626

E-mail

facorecp@facorecp in / facorecp@gmail.com facorccp@dataone in / bls_facorccp@bsnl.in

Website www.facorgroup.in

CIN No. : L45201OR1955PLC008400

MEMT SYS 15D 9001 2008 BvA C 071







REGD. POST WITH A/D.

The Member Secretary. State Pollution Control Board, Orissa, Paribesh Bhawan, A/118, Nilakanthanagar, Unit - VIII, BHUBANESWAR - 751 012.

Ref : FACOR/CCP/ENV/25-02

Date. 17.06.20

Dear Sir.

Sub: Submission of Annual Return in Form - 4 under Hazardous Waste (Management & Handling) Rules, 1989.

We refer to the subject cited above and enclose herewith the Annual Return regarding handling of Hazardous Waste in Form - 4, duly filled in for the year 2019- 20 for your kind information and record.

Thanking you,

Yours faithfully, for Ferro Alloys Corporation Ltd., Charge Chrome Plant.

(P.G. SURESH KUMAR) CHIEF EXECUTI

Encl As above

CC: Regional Officer, S.P.C.B., Sahadevkhunta, Balasore - for kind information

CC : AGM(OHS & ENV), MF, REC.

Head Office: Ferro Alloys Corporation Ltd. Ph (07183) 233090/2322

D.P.Nagar,Rar Bhadrak-75613 **LODISHA**

imsar 441912, Dist.- Bhandara, Maharashtra, India facorho@facoromun in

FORM 4

[See rules 6(5), 13(8), 16(6) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th day of June of every year for the Preceding period April to March]

- Name and address of facility. Ferro Alloys Corporation Ltd. Charge Chrome Plant, At.-Randia, DIST. - BHADRAK
- 2. Authorization No and Date of issue: IND IV HW 288/12724, dt.16.08.2016.
- 3. Name of the authorized person and full address with telephone, fax number and e-mail: R.K.PARHI, AGM(OHS & ENV), Ferro Alloys Corporation Ltd. Charge Chrome Plant, At.-Randia, DIST. BHADRAK. Mobile No 7504990137, Fax No. 06784- 240626, E- mail rkparhi@facorccp.in
- Production during the year (product wise), wherever applicable (2019 -2020)
 (Charge Chrome / High Carbon Ferro Chrome)
 Total Production 72,749.72 MT (Furnace 68,201.67 MT, MRP 4,548.05 MT)
- Part A. To be filled by hazardous waste generators

 Total quantity of waste generated category wise USED OIL – 1890 Ltr. (Sch - I, Stream - 5.1)

FLUE DUST - 1633.830 MT(Sch - I, Stream - 35.1)

SLAG - 64,691.00 MT

Empty barrels (Lubricants) - 07 Nos (Sch - I, Stream - 33.1)

Empty barrels (Paints & Chemicals) - 35 Nos(Sch - I, Stream - 33.1)

- 2. Quantity dispatched
- (i) to disposal facility.
- (ii) to recycler or co-processors or pre-processor

USED OIL - 1890 Ltr.

- (iii) others- Nil
- 3. Quantity utilised in-house, if any -

FLUE DUST – 1633.830 MT(Sch - I, Stream - 35.1) - Used as raw material in the furnace after making pallets / briquettes.

SLAG – 64,691 MT - Used for low land filling in side plant premises and some quantity used for yard concreting in place of chips.





Empty barrels (Lubricants) - 47 Nos stored in impervious roofed house for plant use.

Empty barrels (Paints & Chemicals) - 70 Nos sold out .

4 Quantity in storage at the end of the year - As above.

Part B. To be filled by Treatment, storage and disposal facility operators - NA

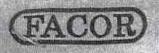
- 1. Total quantity received -
- 2. Quantity in stock at the beginning of the year -
- Quantity treated –
- 4. Quantity disposed in landfills as such and after treatment -
- 5. Quantity incinerated (if applicable) -
- 6. Quantity processed other than specified above -
- 7. Quantity in storage at the end of the year -

Part C. To be filled by recyclers or co-processors or other users - NA

- 1. Quantity of waste received during the year -
- (I) domestic sources
- (ii) imported (if applicable)
- 2 Quantity in stock at the beginning of the year -
- 3. Quantity recycled or co-processed or used -
- 4. Quantity of products dispatched (wherever applicable) -
- 5 Quantity of waste generated -
- 6 Quantity of waste disposed -
- 7. Quantity re-exported (wherever applicable)-
- 8 Quantity in storage at the end of the year -

Date. 17.06.2020 Place - RANDIA Signature of the Occupier or Operator of the disposal facility





CHARGE CHROME PLANT

Ref. 1 CCP/Mech/78 Date: 03.10.2009

THROUGH COURIER SERVICE

The Environmental Engineer-II, State Pollution Control Board, Orissa, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, BHUBANESWAR - 751 012.

Dear Sir,

Sub: Display of copy of Environmental Clearance for 30 days

for reference of Public.

Ref.: Your Memo No. 14880 dated 16.09.09.

With reference to your above Memo and general condition No. X of Environmental Clearance, we have displayed an advertisement regarding Environmental Clearance on 1st October '09 in the daily Oriya Newspaper, SAMAJ and SAMBAD for information of Public. Copy of the same are enclosed herewith for your kind information and record.

Thanking you,

Yours faithfully, for Ferro Alloys Corporation Ltd., Charge Chrome Plant.

(P.G. SURESH I GENERAL MANA

Encl : As above.

Co to : Collector & District Magistrate, Bhadrak.

General Manager, D.I.C., Bhadrak.

Regional Officer, State Pollution Control Board, Balasore.

Cc to: SM (REAS), SM (Maint.), MF, REC.



PUBLIC NOTICE

letter is available with the State Pollution Control website of Ministry of Environment & Forests at to 1,30,000MT p.a. The Lopy of the clearance Environmental Clearance from Ministry of Environment & Forest Govt, of India for increasing production capacity of Charge Chrome Plant, Randia Bhadrak from 65,000MT M/s. Ferro Alloys Corpn. Ltd. accorded It is hereby informed to the General Public that DOMIN COLLECTION ALL http:/envfor.nic.in

S/3764

ସର୍ସାଧାରଣ ରିଞ୍ଜି

ଦିଆଯାରଛ କ ସେ ସେବର, ଚାର୍ଜକ୍ରୋମ ପାଣ୍ଟ ରାକ୍ଷଆ, ଡାହାର ବଭାଗ ଠାରେ ଉପଲବ୍ଧ । ଏହା ମଧ୍ୟ ଭାରତ ସରକାରଙ୍କ ପ୍ରଦ୍ୟୁଷଣ ଏବଂ ଜଳଲ ବଭାଗର Website http:// ଏଚତ୍ଦ୍ୱାରା ସର୍ସାଧାରଣଙ୍କ ଅବଗତି ନିମନ୍ତେ ଜଣାଇ । ରକ୍ତ ସ୍ୱୀକ୍ତି ପ୍ରାସ୍ତ ଚିଠି ଓଡ଼ିଶା ସରକାରଙ୍କ ପ୍ରଦ୍ୟୁଷଣ ଏବଂ ପରିବେଟା ମନ୍ତ୍ରଣାଳୟ ଦ୍ୱାରା ସ୍ୱାକୃତି ପ୍ରାସ୍ତ ହୋଇଛ ଟନ୍ କୁ ବୃଦ୍ଧ କରିବା ପାଇଁ ଭାରତ ସରକାରଙ୍କ ଜଗଲ 의업육 6.QGGR 업무(6) 98,000 당유 및 6,୩0,000 envior.nic.in 68 69611216 01891