



Ref. No.EIC/ENV/20/ 30

Date: 12.05.2020

Choudwar-754071
Dist Cuttack
Odisha, India

To
The Joint Director(S)
Ministry of Environment & Forest,
A/3,Chandrasekharpur,
Bhubaneswar – 751023.

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choudwar@imfa.in

Sub: Half-Yearly compliance report (from Oct'19 to Mar'20) of 2X27 MVA Ferro-Alloys Plant to produce High Carbon Ferro Chrome/Charge Chrome from 76000 to 96000 TPA by M/s Indian Metals & Ferro Alloys Ltd., Choudwar, Dist- Cuttack.

Corporate Office
IMFA Building
Bhubaneswar - 751010
Odisha, India

Corporate Identity No.
L27101OR1961PLC000428

Ref : Letter No. J-11011/1236/2007-IA II(I), Dt.21.02.2017

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Dear Sir,

mail@imfa.in

Reference above ,we are enclosing herewith half yearly compliance report (October' 2019 to March' 2020) in Annexure-I and soft copy of the same in CD for your kind information.

www.imfa.in

Thanking You,

Yours faithfully,
for INDIAN METALS AND FERRO ALLOYS LTD.

(B. Mohapatra)
Sr. Vice President, Head - PBU & EIC, Choudwar

Encl: As above.

CC to :Member Secretary,
State Pollution Control Board, Odisha
Paribesh Bhawan,
A/118, Nilakanthanagar, Unit VIII,
Bhubaneswar – 751 012.

CC to: The Regional Officer,
State Pollution Control Board, Odisha,
586, Suryavihar, Link Road,
Cuttack – 753 012.

ANNEXURE - I

Compliance Report (Oct'2019 to Mar'2020) of Conditions stipulated in amended EC letter J-11011/1236/2007-IA II(I) of 2x27 MVA, Dt.21.02.2017

SL.NO	A. Specific Condition	Compliance Status																					
i.	The project proponent should install 24X7 air monitoring devices to monitor air emission and submit report to Ministry and its Regional office.	Continuous emission monitoring equipment has been installed at stack attached to Gas Cleaning Plant of each furnace and real time data is being transmitted to SPCB server at Bhubaneswar.																					
ii.	All conditions stipulated in the earlier ECs granted to the project should be strictly adhered to.	All conditions stipulated in the earlier ECs are being strictly followed.																					
iii.	Project proponent shall install a facility for treatment and recycling of Kitchen waste.	Organic Waste Converter for treatment and recycling of Kitchen waste has been installed and functioning regularly.																					
SL.NO	B. General Condition	Compliance Status																					
i)	The project authorities must strictly adhere to the stipulations made by the Odisha Pollution Control Board and the State government.	Adhered to the stipulations.																					
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC)	Till date (Dt.31.03.2020) no further expansion has been carried out.																					
iii)	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office and the SPCB/CPCB once in six months.	Ambient air quality monitoring inside plant and stack emission monitoring is being regularly carried out. Data of the same is regularly furnished along with half yearly compliance report.																					
iv)	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	Industrial waste water is being collected properly, treated at the effluent treatment plant and the treated waste water is being utilized for plantation purpose.																					
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).	<p>The overall noise levels in and around the plant area are being kept well within the standards. The ambient noise levels are being monitored and found to be <75 dBA (daytime) and 70 dBA (night time). The results are furnished below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>Months</u></th> <th style="text-align: center;"><u>Noise level (Day)</u></th> <th style="text-align: center;"><u>Noise level (Night)</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Oct-19</td> <td style="text-align: center;">71.3</td> <td style="text-align: center;">68.3</td> </tr> <tr> <td style="text-align: center;">Nov-19</td> <td style="text-align: center;">73.6</td> <td style="text-align: center;">67.8</td> </tr> <tr> <td style="text-align: center;">Dec-19</td> <td style="text-align: center;">72.4</td> <td style="text-align: center;">68.7</td> </tr> <tr> <td style="text-align: center;">Jan-20</td> <td style="text-align: center;">73.8</td> <td style="text-align: center;">69.6</td> </tr> <tr> <td style="text-align: center;">Feb-20</td> <td style="text-align: center;">73.3</td> <td style="text-align: center;">68.5</td> </tr> <tr> <td style="text-align: center;">Mar-20</td> <td style="text-align: center;">71.3</td> <td style="text-align: center;">65.7</td> </tr> </tbody> </table>	<u>Months</u>	<u>Noise level (Day)</u>	<u>Noise level (Night)</u>	Oct-19	71.3	68.3	Nov-19	73.6	67.8	Dec-19	72.4	68.7	Jan-20	73.8	69.6	Feb-20	73.3	68.5	Mar-20	71.3	65.7
<u>Months</u>	<u>Noise level (Day)</u>	<u>Noise level (Night)</u>																					
Oct-19	71.3	68.3																					
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vi)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers are being done on a regular basis and records kept as per the Factories Act. Last Occupational health surveillance carried out during Nov'2019.																					
vii)	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.	The surface run off water /rain water is collected in settling tanks of 1100CuM capacity through peripheral drains. This water after siting overflows into a clear water tank of capacity 1900 CuM and utilized inside plant.																					
viii)	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.	Is being complied. The socio-economic development activities undertaken by company through CSR program is regularly uploaded to company's website half yearly.																					

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SL.NO	B. General Condition	Compliance Status
ix)	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forests and Climate Change (MoEFCC) as well as the State Govt. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry. The funds so provided shall not be diverted for any other purpose.	Separate fund has been allocated for the environment pollution control measures and is being utilized judiciously. Expenditure incurred on the environment pollution control measures are furnished half yearly to MoEFCC. Also uploaded to company's website.
x)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	The clearance letter has been put on the website of the company (www.imfa.in)
xi)	The Project proponent shall upload the status of compliance of the stipulated environment clearance conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEFCC, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Every Six months' environmental data on PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) has been submitted to the Regional Office of the MoEFCC and the SPCB office. Data on ambient air quality, stack emissions has been uploaded in IMFA web site, displayed near main gate of the company.
xii)	The Project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEFCC, the respective Zonal office of CPCB and the SPCB. The Regional office of this Ministry at Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions.	Is being complied. Last six monthly report was sent on 24.10.2019. Letter no. EIC/ENV/19/607 for the period Apr'19 to Sept'19.
xiii)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEFCC at Bhubaneswar by e-Mail.	Is being complied. Last environmental statement for FY 2018-19 has been submitted in Form-V on Dt.23.07.2019. Letter no.IMFA(CCP-UNIT- II)/ENV/19/351 and also put on the website of the company.
xiv)	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 SPCB and may also be seen at the Website of the Ministry of Environment, Forests and Climate Change (MoEFCC) 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 should be forwarded to the Regional office at Bhubaneswar.	Advertised in News papers. Viz. The Indian Express and The Samaj (vernacular daily) on 21.06.09. Letter with copy of the advertisement was sent to Ministry's regional office on 22.06.09.
xv)	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.	Financial closure – February 2009 Letter No 10883IV(B)CK-2/2007 dt. 09.06.10 from Director of Factories & Boilers, Govt of Orissa.

Monitoring Data

AMBIENT AIR QUALITY & STACK EMISSION DATA OF UNIT – II (OCT'2019 – MAR'2020)														
Month/week	Near main receiving substation				Back side of raw material storage yard				Near Slag Handling Yard				Stack emission (PM)	
	PM10	SO2	NO2	PM2.5	PM10	SO2	NO2	PM2.5	PM10	SO2	NO2	PM2.5	1 st Furnace GCP	2 nd Furnace GCP
Oct' 1 st week	91	18.5	7.6	53	90	18.7	8.3	45	76	15.4	7.0	53		
	79	18.2	7.8	31	57	16.9	7.6	31	53	15.0	6.7	46		
2 nd week	45	16.3	7.4	26	45	13.6	7.0	39	67	15.1	6.8	26	40	63
	40	13.7	6.0	26	63	16.4	6.5	48	81	16.2	7.7	24		
3 rd week	73	14.5	6.1	29	50	16.1	6.8	31	52	15.0	6.6	43		
	55	14.8	6.3	44	74	17.2	7.2	34	58	15.2	6.9	32		
4 th week	39	15.5	7.0	9	16	11.4	5.6	15	25	10.3	5.7	23	46	65
	51	16.0	8.2	38	64	13.5	7.8	44	75	15.8	6.8	30		
Nov' 1 st week	95	18.6	10.0	45	96	16.7	7.3	54	83	16.3	6.7	56		
	94	18.2	9.9	31	92	16.1	8.3	55	84	16.7	6.9	54		
2 nd week	91	18.0	10.1	39	85	17.3	8.4	53	86	16.9	7.1	50	43	50
	83	17.7	8.2	48	80	18.9	7.2	45	90	17.3	7.7	47		
3 rd week	90	18.3	9.8	31	87	16.9	7.0	50	87	18.1	7.8	51		
	85	17.6	8.0	34	92	18.0	7.3	51	72	16.6	6.5	54		
4 th week	96	19.2	10.5	45	91	17.3	8.2	48	76	16.5	7.4	52	45	48
	74	15.5	7.0	36	92	18.0	7.3	44	61	15.4	7.0	50		
Dec' 1 st week	92	18.5	8.5	55	94	19.6	7.7	54	92	18.3	9.7	54	49	50
	97	15.0	10.7	54	92	19.3	7.6	54	93	18.7	9.5	57		
2 nd week	72	14.4	7.6	38	66	17.5	8.0	57	97	19.2	10.5	42		
	84	17	8.0	52	90	18.3	8.4	48	82	17.6	8.6	49		
3 rd week	91	18.7	10.1	50	86	17.5	8.0	55	94	18.5	7.6	53	42	48
	83	17.3	8.7	53	91	18.2	7.5	55	89	16.7	7.6	48		
4 th week	93	18.8	11.4	55	95	19.5	10.2	47	80	17.4	8.0	54		
	94	18.2	10.8	52	89	18.3	9.6	45	78	15.6	7.6	55		
Jan' 1 st week	79	18.5	8.5	49	83	16.5	9.2	47	80	14.6	7.7	46	43	51
	49	12.3	6.8	47	80	15.5	8.8	54	92	15.5	8.2	29		
2 nd week	78	18.0	8.3	46	79	15.6	9.0	51	86	14.3	7.1	46		
	86	18.7	9.2	53	90	18.4	9.6	49	84	13.9	7.0	51		
3 rd week	78	18.1	8.4	52	88	16.6	8.4	46	79	13.0	7.1	49	42	50
	83	18.5	8.6	48	81	16.7	8.0	46	78	14.1	7.3	48		
4 th week	76	17.2	6.8	52	89	17.1	7.9	46	79	14.3	7.7	45		
	71	17.6	6.9	46	79	16.3	6.8	45	77	14.0	6.8	42		
Feb' 1 st week	84	15.4	7.8	48	83	15.5	7.4	32	54	15.0	6.8	49	42	49
	92	17.6	8.4	52	90	19.5	8.2	52	88	17.2	7.3	54		
2 nd week	69	16.5	7.0	51	87	18.3	7.4	36	62	15.5	6.0	41		
	82	15.3	6.9	58	98	20.1	10.5	35	60	15.3	6.6	48		
3 rd week	89	16.7	7.0	50	85	15.7	6.2	42	71	14.3	6.2	52	43	50
	90	18.5	9.3	57	98	18.8	7.4	46	78	17.8	7.5	53		
4 th week	92	15.8	7.6	44	74	16.5	8.0	34	58	14.4	6.1	54		
	70	14.3	6.2	47	80	15.7	8.0	39	67	15.0	7.0	41		
Mar' 1 st week	50	16.8	7.3	34	59	16.5	7.0	23	40	17.3	6	25	45	51
	49	16.3	7.7	35	61	16.7	7.1	35	61	18.7	6.6	24		
2 nd week	65	17.1	7.9	37	63	15.9	6.5	38	65	18.5	6.9	38		
	48	15.3	6.1	41	71	18.3	10.0	26	45	15.8	6.7	23		
3 rd week	45	15.7	6.3	27	47	17.5	6.7	23	40	17.3	7.8	26	45	48
	47	16.1	7.6	52	89	16.3	7.7	25	43	13.6	7.0	27		
4 th week	44	17.6	6.0	38	65	17.3	8.0	20	35	15.1	6.0	26		
	74	18.7	9.2	38	66	16.8	7.8	23	40	15.7	6.1	44		

Env. Expenditure, CSR, Plantation

Period	Expenditure incurred on environmental management	Plantation, green belt development	CSR activities undertaken
October'19 to March'20	Total Expenditure = Rs.1253.87 Lakhs	Oct'19 - Nil Nov'19 - Nil Dec'19 -100 Jan'20 - Nil Feb'20 - Nil Mar'20 - Nil Total 100 nos of saplings planted during Oct'19 to Mar'20.	Free health check up and distribution of medicine at Choudwar Municipal area and peripheral villages. Construction of cycle shed at Saraswati Sisu Vidyamandir, Agrahat. Cold drinking water facility provided. Training imparted to promote rural sports. Supported Tangi Choudwar block level athletic meet. Distribution of three wheeled vehicle. Distribution of road barrier. Organized blood donation camp. Total expenditure = Rs. 11,54,690 /-

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