



Date: 01.06.2020

To
The Joint Director,
Ministry of Environment, Forest & Climate Change,
Regional Office (North),
Government of India,
Bay No. 24-25, Sector-31A,
Chandigarh 160030.

Subject: Submission of Six Monthly Compliance Report for period ending 31.03.2020 for the Mild Steel Billets Manufacturing Unit namely "Madhav Alloys Pvt. Ltd." located at Village Akalgarh and Bhagwanpura, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab.

Sir,

With reference to the EIA Notification & its amendments regarding submission of six monthly compliance report. We are hereby submitting the six monthly compliance report for period ending 31.03.2020 for the above said project in soft copy in compact disk (CD) of the compliance report for your perusal.

Kindly acknowledge the receipt of the same.
Thanking you.

Sincerely,
For M/s. Madhav Alloys Pvt. Ltd.
For MADHAV ALLOYS PVT. LTD.

Levdy
(Authorized Signatory)

Name-

Contact No.-

Designation-

E-mail-

1. CC: Member Secretary, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26- Chandigarh-160019.
2. Environmental Engineer, Punjab Pollution Control Board, Regional Office, Fatehgarh Sahib, Punjab.

Ministry of Environment, Forest and Climate Change
Northern Region Office
Chandigarh-160030

DATA SHEET

1.	Project Type	Mild Steel Billets Unit
2.	Name of the Project	Madhav Alloys Pvt. Ltd.
3.	Clearance letter (s) F. No. & Date	Environment Clearance has been granted by Ministry of Environment and forests, Govt. of India vide F. No. J-11011/406/2010-IA-II (I) dated 16.03.2012. Copy of the same is attached along as Annexure 1 .
4.	Location	Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh
a)	District(s)	Patiala & Fatehgarh Sahib
b)	State (s)	Punjab
5.	Address for correspondence	M/s Madhav Alloys Pvt. Ltd. Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, District Patiala & Fatehgarh Sahib, Punjab.
6.	Salient features	Production capacity 3,00,000 MTPA
a)	Of the Project	The total plot area of the project is 21.02 acres (or 85,064.921 sq.m).
b)	Of the environment	<p>Water Requirement: As per the Environmental Clearance, total fresh water requirement of the project is 720 m³/day which is met from ground water.</p> <p>Wastewater Generation: As per the Environmental Clearance, industrial wastewater generated is being treated in ETP and recycled into the process. Domestic wastewater is treated in STP based on Submerged aerated fixed film (SAFF) technology and used within the premises for green belt.</p> <p>Miscellaneous: As per the Environmental Clearance, the power requirement is 26 MW, which is being met through 66 KV substation of PSEB. Green belt has been developed in 33% of total plant area.</p>

7.	Break up of the Project Area	-																
a)	Submergence area	Not applicable																
8.	Break up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/landless laborers/ artisans.	Not applicable																
a)	SC/ST/ Adivasis	Not applicable																
b)	Others (Please indicate whether these figures are base on any scientific and systematic survey carried out or only provisional figures. if a survey has been carried out give details and year of survey)	Not applicable																
9.	Financial details																	
a)	Project cost as originally planned and subsequent revised estimates and the year of price reference.	Rs. 107.86 Crores (Originally Planned) Revised cost Rs. 138.15 Crores.																
b)	Allocations made for environmental management plan with item wise and year of assessment.	Rs. 5.45 Crores (as per the EC letter).																
c)	Benefit cost ratio/ Internal rate of return and year of assessment.	Will be calculated and submitted																
d)	Whether (c) includes the cost of environmental management as shown in (b) above.	Yes																
e)	Actual expenditure incurred on the project so far.	All the expenditure on the project has been done.																
f)	Actual expenditure incurred on the environmental management plans so far:	Breakup of the capital as well as recurring cost for the period between 1.10.2019 to 31.03.2020 is given below:																
<table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Capital Cost (In Rs. Lacs)</th> <th>Recurring Cost (Rs. In Lacs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>STP</td> <td>-</td> <td>8.28</td> </tr> <tr> <td>2.</td> <td>ETP</td> <td>-</td> <td>7.43</td> </tr> <tr> <td>3.</td> <td>Air Pollution Control Devices</td> <td>-</td> <td>1.15</td> </tr> </tbody> </table>			S. No.	Description	Capital Cost (In Rs. Lacs)	Recurring Cost (Rs. In Lacs)	1.	STP	-	8.28	2.	ETP	-	7.43	3.	Air Pollution Control Devices	-	1.15
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1.	STP	-	8.28															
2.	ETP	-	7.43															
3.	Air Pollution Control Devices	-	1.15															

		(APCD)		
4.	Waste Management (WRD)	-	93.40	
5.	Energy Saving (Solar Plant)	78.24	0.16259	
6.	Rain Water Harvesting	7.91	-	
7.	Green Belt Development	-	1.62	
8.	Other Environmental Measurement	-	2.04	
		Total	86.14	114.08
10.	Forest lands requirement:	Not applicable		
a)	The status of approval for diversion of forest land for non forestry use.	Already obtained & Submitted		
b)	The status of clear felling.	Not applicable		
c)	The status of compensatory a forestation programmer in the light of actual field experience so far.	Not applicable		
11.	The status of clear felling in non forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.	Not applicable		
12.	Status of construction	Completed		
a)	Date of commencement (actual and /or planned)	The unit is already operational.		
b)	Date of completion (actual and/or planned)			
13.	Reasons for the delay if the project is yet to start:	Not applicable		

Compliance report on conditions imposed in Environmental Clearance for Period ending
31.03.2020

Part A - Specific conditions

S.No.	EC Conditions	Reply
i.	The company shall install bag filters etc. to control the particulate emissions below 50 mg/Nm ³ . The gaseous emissions shall be dispersed through stack of adequate height as per the prescribed standards.	The unit has already provided synthetic bag house filters as APCD along with adequate stack height of 30 mts. Stack monitoring has been carried out and it has been observed that concentration of particulate emissions is less than 50 mg/Nm ³ . Test report of the stack emission is attached along as Annexure 2 .
ii.	The National Ambient Air Quality Standard issued by the ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 should be followed.	Agreed. Ambient air quality emissions are being monitored after regular intervals. Recent monitoring has been carried out and all the parameters are within the permissible limit. Test Reports for ambient air quality monitoring are attached along as Annexure 3 .
iii.	Gaseous emission levels including secondary fugitive emission from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30 th May, 2008 and regularly monitored. Guidelines/ Codes of practice issued by the CPCB should be followed.	Fugitive emissions are minimal as we have already provided dog house suction hood and bag house filter as APCD and also installed mechanical feeding system for the induction furnace. Fugitive emissions are very few less during the feeding and that too temporary in nature for which proper exhaust systems have been provided.
iv.	Effort shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other resources.	Rain water harvesting cum storage tank of 1.5 lac cum capacity has been provided for the storage of rain water being collected from rooftop. The same water is being used for quenching purpose. Apart from this, ponds in Villages Chahal, Ghunder, Dargapur, Rajgarh, etc. have been recently adopted in District Patiala for rain water recharging.

v.	The total water requirement shall not exceed 720 m ³ /day. Permission from the state irrigation Department/ Central Ground Water Board for drawl of water shall be obtained as may be applicable in this case.	Agreed. CGWA NOC has been earlier granted for fresh water requirement of 220 m ³ /day. However, fresh water requirement of the project is 330 m ³ /day. Thus, application has been filed to CGWA for demand of 330 m ³ /day. Copy of earlier approval along with current status of application for fresh water requirement of 330 KLD are attached as Annexure 4 .
vi.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Chandigarh, PPCB and CPCB within 3 months of issue of environment clearance letter.	Agreed. Risk and Disaster Management Plan has already been submitted with the previous compliance report.
vii.	As proposed, green belt shall be developed in 33% of the plant area. Selection of plant species shall be as per the CPCB guidelines in the consultation with the DFO.	Photographs showing the green belt provided within the project premises are attached along as Annexure 5 . Approx. 7,200 saplings have been planted within the project premises.
viii.	All the commitments made during the Public hearings/ Public Consultation meeting held on 1 st March, 2011 shall be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bangalore.	<p>All the commitments made during the Public Hearing held on 01/03/2011 (for both the Districts) have been complied. The details are as under:</p> <ul style="list-style-type: none"> • The local people have been employed as per their qualification. • The treated wastewater is being used for plantation within the industrial premises. • The distance from the main road to building line is being maintained. • The industry has reconstituted management committee; copy of resolution is enclosed as Annexure 6. • The industry is not using any fossil fuel. • The industry has installed equipment of latest technology for

		the control of Air & water pollution.
ix.	At least 5% of the total cost of the project shall be earmarked towards the enterprise social commitment and item-wise details along with time bound action plan should be prepared and submitted to the ministry's Regional Office at Chandigarh. Implementation of such programmes should be ensured accordingly in a time bound manner.	Company has undertaken various activities under CSR. List of activities undertaken under CSR and approx. Rs. 36.68 Lakhs have been spent on the same; copy is enclosed as Annexure 7.
x.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilet, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The construction of the project for which EC has been granted has been completed.

Part B. General Conditions

S. No.	Conditions	Reply
i.	The project authorities must strictly adhere to the stipulations made by the Punjab State Pollution Control Board and the State Government.	Agreed. The stipulations made by the Punjab State Pollution Control Board and State Government are fully complied. Consent to Operate under Air & Water Act as well as Authorization for Hazardous waste has been obtained. Copy of the same is enclosed as Annexure 8.
ii.	No further expansion or modifications in the unit shall be carried without prior approval of the Ministry of Environment and Forests.	Agreed. Satisfactorily compliance report has been obtained from RO, MOEF&CC, Chandigarh. Further, application for Environmental Clearance has been approved by SEIAA, Punjab for expansion of mild steel billets manufacturing unit of 3,00,000 MTPA capacity. Copy of Minutes of Meeting of SEIAA, Punjab is enclosed as Annexure-20.

iii.	The gaseous emission from various process units shall conform to the load/ mass based standards notified by the Ministry on 19 th May, 1993 and standards prescribed from time to time. The state 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.	Agreed. Regular monitoring of stack emissions is done. Test reports are attached along as Annexure 2 .
iv.	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 , 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 at Chandigarh and the SPCB/CPCB once in six months.	Test reports of the stack emissions and ambient air are attached along as Annexure 2 and 3 respectively.
v.	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 wastewater shall be utilized for plantation purpose.	Agreed. Test Reports of the STP and ETP RO reject are attached along as Annexure 9 . There is no wastewater generation from the process, however, for washing, ETP of 150 KLD has been installed. The domestic wastewater is treated in already installed STP of 150 KLD capacity based on MBBR followed by UF-RO and used within the premises for plantation purposes.
vi.	The overall noise level in and around the cement grinding unit area shall be kept well within the standards (85 dB) by providing noise control measure including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	Agreed. The noise levels are maintained by providing canopy enclosures and are within the prescribed limits. Ambient noise test results are attached as Annexure 10 .
vii.	Occupational health surveillance of the	Agreed. OHC has been provided and

	workers shall be done on a regular basis and records maintained as per the Factories Act.	regular health check-up facility is provided to the workers through OHC. Photographs showing the OHC and ambulance are attached along as Annexure 5 . Recent medical records of the workers are enclosed as Annexure 11 .
viii.	The company shall develop surface water harvesting structure to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rain water harvesting cum storage tank of 1.5 lac cum capacity has been provided for the storage of rain water collected from rooftop. The same water is being used for quenching purpose. Apart from this, recently ponds in Chahal, Ghunder, Dargapur, Rajgarh, etc. have been adopted in District Patiala for rain water recharging.
ix.	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 healthcare etc.	Agreed. Environmental protection measures as well as socio-economic development activities are being carried out in surrounding villages in true spirit. Company has undertaken various activities under CSR. Approx. Rs. 36.68 Lakhs have been spent on the CSR activities; list of activities undertaken is enclosed in Annexure 7 . EHS Policy of company stating the environment protection measures are attached as Annexure 12 .
x.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Chandigarh. The funds so provided shall not be diverted for any other purpose.	Agreed. Separate funds are earmarked for environmental measures. Details are given 9(f) of data sheet.

xi.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla 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.	Agreed. Environment Clearance letter was sent to DC, Fatehgarh Sahib and Zilla Parishad, Patiala. Copy of the acknowledgements of the same are attached along as Annexure 13 and Annexure 14 respectively. Further, Environmental Clearance letter has already been uploaded at company's website. Screenshot showing the same is attached along as Annexure 15 .
xii.	The 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 MoEF at Chandigarh. 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 emission) or critical sectoral parameters indicated for the projects shall shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed. Website is being updated regularly. Screenshot showing already uploaded compliance report along with monitoring test results is attached along as Annexure 16 . Further, test reports are being regularly submitted to respective offices.
xiii.	The project proponent shall also submit six monthly report on the status of compliance of the stipulated environmental conditions including results of monitored data (both in hard copy as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The regional Office of this Ministry at Chandigarh/ CPCB/ SPCB shall monitor the stipulated conditions.	Agreed. Six monthly compliance report is being submitted to the Regional Office, MoEF&CC and PPCB. Acknowledgement copy of the previous submitted six monthly report is enclosed as Annexure 17 .
xiv.	The environment statement for each financial year ending 31 st March in Form-V as is mandate to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the	Agreed. Environment Statement for Financial Year 18-19 has already been submitted. Acknowledgement of submission is attached along as Annexure 18 .

	Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of the compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEF at Chandigarh by e-mail.	
xv.	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 website of the Ministry of Environment and Forest 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 Chandigarh.	Advertisement has already been published; copy of the advertisements published in the newspaper is attached along as Annexure 19 .
xvi.	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.	Agreed. Same is being informed in datasheet.