

Certified Copy of Compliance Report

Sub: Ferro Alloy Plant (5x9 MVA) to produce Fe-Mn, Si-Mn & Fe-Si of 75000 TPA and Sinter Plant (90,000 TPA) at Plot No. 13 APSEZ-Atchutapuram District Visakhapatnam in Andhra Pradesh by M/s Sundaram Alloys Limited.

Ref: F. No. J-110111/480/2010-IA II (I) dated 5th March, 2012.

Present status of the project: The construction work of Ferro Alloy plant is completed and plant is in operation.

Date of site visit: 01.02.2019

Specific Condition:

| Sl.No. | Condition | Compliance |
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| 1 | No charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources | Complied. : Pet Coke is being used as Fuel not charcoal. |
| 2 | Continuous monitoring facilities for all the stacks and sufficient air pollution control equipment's viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm ³ . | Refer below: The Industry has provided Bag Filters to control the emission levels with continuous online stack monitoring facilities for all the stacks. |
| 3 | The National Ambient Air Quality Standards issued by the Ministry vide G.S.R.No. 826(E) dated 16th November, 2009 shall be followed. | Complied. The PA informed that Ambient air quality is monitoring at 5 locations on monthly basis and as per the latest analysis report AAQ are within the limit. |
| 4 | 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. The PA has taken measures to avoid Secondary fugitive emissions from all the sources by way of regular spraying of water and as per the report levels are within the permissible limits. |
| 5. | Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly earned out and report submitted to the Ministry's Regional Office at | Refer below: The Industry does not have effluent generation. Cooling water is completely recycled back after settling the solids. Currently domestic waste water is disposed to septic tank followed by soak pits. |

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| | Bangalore, SPCB and CPCB. | |
| 6 | The total water requirement shall not exceed 200 m ³ /day. 'Zero' effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises. | Complied The PA informed that their water requirement per day is less than 200m ³ and Cooling water is completely recycled back after settling the solids. Currently domestic waste water is disposed to septic tank followed by soak pits. 'Zero' effluent discharge is strictly following since no effluent is generating in the industry. |
| 7 | Efforts 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 should be met from other sources | Complied. The Project Authority has developed rain water harvesting arrangements such as 1 no. of Rain water Sump of 5 m x 5 m x 3 m Size to collect the Roof top water & 4 no. of Recharge Pits to recharge the surface runoff water to collect/ recharge the maximum rain water. The collected rain water from the sump is utilizing for plant requirements. |
| 8 | Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn). All the other Ferro alloy slag shall be used in the preparation of building materials. | Complied. The Project Authority has confirmed that they are using Ferro Manganese Slag in producing of Silico Manganese and other Ferro Alloys Slag is being given to Road contractors / concrete block manufacturers. |
| 9 | No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests. | Complied. The PA is not manufacturing Ferro chrome as informed. |
| 10 | Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bangalore, SPCB and CPCB within 3 months of issue of environment clearance letter. | Partly complied. A separate Risk and Disaster Management Plan along with the mitigation measures is in place and produced during the visit. However not submitted to Ministry within 3 months of issue of environment clearance letter. |
| 11 | As proposed, green belt should be developed in at least 33 o/o of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO | Complied. The Project Authority confirmed that they have developed green belt in around 7.1Acers with 4,500 no. of Saplings covering various species as per the guidelines of CPCB & SPCB in consultation with the DFO and additional greenbelt being developed on the connected road sides too as advised by APIIC |
| 12 | At least 5 % of the total cost of the project should be earmarked towards the | Refer below: The Project Authority has not prepared CSR |



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| | Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program shall be ensured accordingly in a time bound manner. | <p>plan for the existing project.</p> <p>However, the Project Authority informed that the ESC is undertaken based upon the local needs. CSR activities are being carried out by the Project Authority as informed are as follows:</p> <p>Regarding education they are providing books, clothes, etc. to poor and needy (Rs.5,01,000/-).</p> <p>Blankets are being provided for the surrounding hamlet villagers (Rs.5,00,000/-).</p> <p>Dibbapalem Villagers are given for constructing a Temple of Lord Shiva (Rs.1,00,000/-)</p> <p>Regarding education they are also providing books, clothes, Narayana Seva, etc. through Sri Sathya Sai Annapurna charitable Trust, Anakapalli (Rs.4,00,000/-).</p> <p>They agreed to submit the CSR plan along with expenditure details at the earliest.</p> |
| 14 | The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, 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 | <p>Complied.</p> <p>The PA informed that they provided necessary infrastructure and facilities to the labourers during construction period.</p> |

B. General Condition

| Sl.No. | Condition | Compliance |
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| 1 | The project authorities must strictly adhere to the stipulations made by the Andhra Pradesh Pollution Control Board (APPCB) and the State Government. | <p>Complied.</p> <p>The PA obtained CFO from Andhra Pradesh Pollution Control Board (APPCB) and is valid upto 31.07.2019.</p> |
| 2 | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests' | <p>Complied.</p> <p>No expansion or modification was made so far. They are planning to increase production for that they requested for compliance report.</p> |
| 3 | At least four ambient air quality monitoring stations shall be established in the downward direction as well as where | <p>Refer below:</p> <p>The Project Authority has installed One High Volume Samplers to monitor AAQ and is</p> |



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| | maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the APPCB including one ambient air quality monitoring station in the downwind direction. Data on Ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bangalore and the APPCB / CPCB once in six months | monitoring. APIIC is monitoring through external agency on monthly basis for monitoring. As per the provided reports, the parameters are within the limits. However data of the same was only submitted with the application for certified compliance report only. |
| 4 | 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 from time to time. The treated wastewater shall be utilized for plantation purpose. | Complied. The PA informed that 'Zero' effluent discharge is strictly following since no effluent is generating in the industry. Cooling water is recycled and reused. Sewage is sent to septic tank and soak pits. |
| 5 | 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 (night time). | Complied. Provided Acoustic hoods, silencers, enclosures etc. on all sources of noise generation and also monitoring noise levels through external agency. As per the report noise levels are within the limit. |
| 6 | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. | Complied. Occupational health surveillance of the Workers is being done on a regular basis through ESIC and records are maintained. |
| 7 | 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 | Complied. The Project Authority has developed rain water harvesting arrangements such as 1 no. of Rain water Sump of 5 m x 5 m x 3 m Size to collect the Roof top water. The collected rain water from the sump will be utilized for plant requirements. 4 no. of Recharge Pits to recharge the surface runoff water to recharge the maximum rain water to augment the Groundwater table. |
| 8 | 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 | Refer below: The PA informed that CSR activities like providing of school books and bags on annual basis to nearby school children, etc. were undertaken as mentioned in Specific |


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| | development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc. | condition no.12. |
| 9 | Requisite amount shall be earmarked towards the capital cost and recurring cost / annum for environmental protection measures and 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. | Refer below: The PA informed that they earmarked Rs.8.75 crores and Rs.50 lakhs / annum towards capital cost and recurring cost for environment Pollution control measures and agreed that the funds allocated for environmental management purpose will not divert for any other purposes. However statement in this regard was not made available. |
| 10 | A copy of 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 web site of the company by the proponent | Reportedly complied. The PA informed that they have submitted a copy of the EC to concerned local Panchayat. The clearance letter is not uploaded on the Industry's website. |
| 11 | 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 MOEF, the respective Zonal Office of CPCB And the APPCB. The criteria pollutant levels namely; SPM, RSPM, 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. | Refer below: The PA informed that they are not uploaded the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their Website. During the visit it is found that the offline monitoring date is displayed at the main gate of the company. |
| 12 | 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 MOEF at Bangalore, the respective Zonal Office of CPCB and the SPCB. The Regional Office | Refer below: The PA has not submitted six monthly compliance reports to this office regularly except the one received with the application for certified compliance report. However agreed to submit the report regularly henceforth. |

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| | of this Ministry at Bangalore I CPCB / APPCB shall monitor the stipulated conditions. | |
| 13 | The environmental statement for each financial year ending 31st 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 Offices of the MOEF by e-mail | Refer below: The PA informed that they are periodically submitting Form V to State Pollution Control Board. However no records in this regard have been produced during the visit. |
| 14 | The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry hard copies of the Clearance letter are available with the APPCB 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 Bangalore | Complied. The PA had given advertisement in two local news papers on (English – Deccan Chronicle & The Hindu) and copies of the same was submitted. |
| 15 | 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. | Not complied. The PA has not informed to the RO about the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work. |

This has been approved by the competent authority vide diary No. 374 dated 22.03.2019.


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