

**EC Compliance
for**

Expansion of Sponge Iron (1,75,500 TPA to 2,25,000 TPA), Steel Billets (1,78,200 TPA to 3,36,600 TPA), TMT Bars (1,71,963 TPA to 3,30,000 TPA) and Captive Power Plant (17 MW to 25 MW) at Village Samakhiyali, District Kutch, Gujarat by M/s Gallantt Metal Ltd. (EC)

Sr. No.	EC condition	Compliance status												
2.0	<p>M/s Gallantt Metal Limited has set up an Integrated Steel Plant near Bhachau in Gujarat for manufacture of Sponge Iron, Steel Billets, M.S. Bars, Runner riser, Misrolled Bars and Captive Power Plant. The project is located at Survey No.. 175/1, 175/2, 176, 177, 178, 179/1, 179/2, 179/3, 182/1, 182/2, 183/1, 183/2, 184, 185/1, 185/2, 185/3, 185/4, 185/5.village Samkhiyali, Taluka Bhachau, District Kutch, Gujarat. Environment clearance for the existing project was granted by the Ministry vide letter No J-13011/37/2007-IA-II(I) dated on 28th September 2007 and consent to operate for the existing project was obtained on 8th June 2009 from Gujarat Pollution Control Board(GPCB). The existing project activity involves production of Sponge Iron, Steel Billets, TMT, Power Plant (AFBC), Power Plant (WHRB), Runner and Riser and Misrolled Bar. The proposed project site is located within the existing industrial premises and there is no additional land required for the expansion project, The total industrial area acquired by the company is 116 acre out of which an area of 36 Acres has been utilized for the existing industrial premise and 38.3 Acre for Green Belt. The proposed structure will be in the existing approved premise. The total cost of the project is Rs. 75 Crores. The total no. of worker to be employed for the proposed project is 120 (Skilled & Unskilled).</p>	<p>We have received Consent to Operate (CC&A) letter No PC/CCA-KUTCH-341(5)/GPCB ID: 17845/364967 dated 01.08.2016 for capacity expansion except 8 MW Captive Power Plant which is in progress.</p>												
3.0	<p>The proposed expansion project is forward and backward integration project to meet the in-house requirement of raw material as well as the market demand and supply gap. The proposed production capacity for the expansion project is as below:</p> <table border="1" data-bbox="404 2232 1771 2531"> <thead> <tr> <th>Sr. No.</th> <th>Products</th> <th>Existing Capacity</th> <th>Proposed increase in Capacity</th> <th>Total Capacity</th> <th>Equipment Details</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Sponge</td> <td>1,75,500 TPA</td> <td>49,500 TPA</td> <td>2,25,000 TPA</td> <td>No additional kiln,</td> </tr> </tbody> </table>	Sr. No.	Products	Existing Capacity	Proposed increase in Capacity	Total Capacity	Equipment Details	1.	Sponge	1,75,500 TPA	49,500 TPA	2,25,000 TPA	No additional kiln,	
Sr. No.	Products	Existing Capacity	Proposed increase in Capacity	Total Capacity	Equipment Details									
1.	Sponge	1,75,500 TPA	49,500 TPA	2,25,000 TPA	No additional kiln,									

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	Iron				Pre heater technology will be installed to enhance capacity.
2.	T M T	1,71,963 TPA	1,58,037 TPA	3,30,000 TPA	Direct transfer to rolling mill. No reheating Furnace is required
3.	Steel Billets	1,78,200 TPA	1,58,400 TPA	3,36,600 TPA	2 X 20 TPH
4.	Power (AFBC)	17 MW	8 MW	25 MW	32 TPH Boiler
5.	Power Plant (WHRB)	8 MW		8 MW	
6.	Runner & Riser	891 TPA		891 TPA	
7.	Miss Rolled Bar	5,346 TPA		5,346 TPA	

Raw Material for the proposed expansion project for Sponge Iron is Iron Ore and Coal; for Billets it is Sponge Iron and Scrap; for TMT Bars it is MS Billets and for the Power Plant it is Coal and Coal Char.


Sr. No.	Materials	Existing Consumption	Proposed additional Consumption	Source	Transportation
SPONGE IRON PLANT					
1	Iron Ore	2,80,800 TPA	79,200 TPA	Imported	Transported by ships to nearest port and later transported via dumper to site
2	Coal	1,91,700 TPA	49,500 TPA	Imported Coal	
BILLETS					

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	1	Sponge	1,12,500 TPA	1,12,860 TPA	In house production	----	
	2	Scrap	90,000 TPA	66,660 TPA	Local Market	Transported by Trucks	
TMT BARS							
	1	MS Billets	1,78,200 TPA	1,63,776 TPA	In house production		
POWER PLANT							
	1	Coal	1,37,289.6 TPA	50,328 TPA	Imported Coal	Transported by ships to nearest port and later transported via dumper to site	
	2	Coal Char	45,230.4 TPA	21,564 TPA	In house production	Internal Transport by Truck	
4.0	Water will be sourced from Gujarat Water Infrastructure Limited for the existing as well as proposed facility. No ground water will be utilized for the project activities. The total water consumption for the proposed expansion is 300 KL/Day. The total waste water generation from the proposed project is 31.5 KL/Day.						Compliance assured
5.0	The major stacks present in the existing plant will be utilized for the proposed expansion project. Only additional one stack will be installed with Induction Furnace during the commissioning of proposed expansion project. Solid waste generated from the proposed project activity are slag, coal char, total ash and accretion. The hazardous waste generated for the proposed project is mainly used oil and used ion exchange resins						Compliance assured
6.0	Public hearing for the proposal was conducted on 24.02.2015 at the project site of M/s Gallantt Metal Limited. The major issues raised during the public hearing inter-alia include employment to the local population etc.						Compliance assured

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7.0	The proposal was considered by the expert appraisal committee (Industry - I) in its 41st meeting held on 1st - 2nd June 2015 and during the 1st meeting of the reconstituted Expert Appraisal Committee (Industry -I) held on 18th -20th November 2015 and recommended the project for environmental clearance and stipulated Specific conditions along with other environmental conditions while considering for accord of environmental clearance.	Complied
8.0	The ministry of Environment, forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry -I) and hereby decided to grant Environmental Clearance to the above mentioned proposal of M/s Gallantt Metal Limited for expansion of Sponge Iron (1,75,500 TPA to 2,25,000 TPA), Steel Billets (1,78,200 TPA to 3,36,600 TPA, TMT Bars (1,71,963 TPA to 3,30,000 TPA) and Captive Power Plant (17 MW to 25 MW) under provision of EIA Notification dated 14th September, 2006 as amended subject to strict compliance of the following Specific and General conditions:	Complied
A	SPECIFIC CONDITIONS:	
i.	The project proponent shall install 24X7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to Ministry and its Regional Office..	Compliance assured.
ii.	Used Oil shall not be reused for lubrication and disposed to the authorized vendor.	Compliance assured.
iii.	Air pollution control devices viz. Electrostatic precipitator(ESP), and bag filters etc. shall be provided to keep the emission levels below 50mg/Nm ³ .	Complied.
iv.	In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant etc. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc..	Complied.
v.	Gaseous emission levels including secondary fugitive emissions from all	Complied.

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	the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May 2008 and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed.	
vi.	Carbon mono-oxide (CO) shall also be monitored along with other parameters and standards notified under Environment(Protection) Act shall be followed. The reports shall be submitted to the Ministry's Regional Office, CPCB and SPCB.	Complied.
vii.	Efforts shall further be made to use maximum water from the rain water harvesting sources. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly.	Complied.
viii.	All the effluents shall be treated and used for dust suppression and green belt development. No effluent shall be discharged outside the premises via drains and 'zero' discharge shall be adopted. Domestic waste water will be treated in the Sewage Treatment Plant.	Complied.
ix.	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment(ESC) based on the issues raised during public hearing, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	Compliance assured.
x.	The company shall submit their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure to being in to focus any infringement/deviation /violation of environment or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/ or stakeholders or shareholders.	Compliance assured.
xi.	All the commitments made to the public during the Public Hearing/Public	Compliance assured.

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	Consultation meeting shall be satisfactorily implemented and separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office.	
xii.	Trucks carrying coal and other raw material shall be covered with tarpaulin to prevent spreading of dust during transportation.	Compliance assured.
xiii.	Green Belt of 20-30 meters in width should be provided all around the periphery of the site. Greenery shall be developed around storage yards, around plants, either side of roads of the industry as per CPCB Guidelines.	Compliance assured.
xiv.	Provisions shall be made for the housing of 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Compliance assured.
B	GENERAL CONDITIONS:	
I	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB) and the State Government	Compliance assured.
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests and Climate Change (MoEFCC).	Compliance assured.
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 PM10, PM2.5, SO2 and NOx 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 Bhopal and the SPCB/CPCB once in six months.	Complied
iv	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.	Compliance assured.
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	Compliance assured.

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	prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	
vi	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Compliance assured.
vii	The company shall develop rainwater harvesting structure to harvest the rain water for utilization in the lean season besides recharging the ground water level.	Compliance assured.
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.	Compliance assured.
ix	Requisite funds shall be earmarked towards the capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forest and Climate Changes(MoEFCC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of this Ministry at Bhopal. The funds so provided shall not be diverted for any other purpose.	Compliance assured.
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.	Complied
xi	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of the monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEFCC at Bhopal, The respective Zonal Office of CPCB and SPCB. The criteria pollutant levels namely;PM10, SO2, NOX (ambient level as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at the convenient location near the main gate of	Complied

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	the company in the public domain.	
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 hard copies as well as by mail) to the Regional Office of MoEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhopal/CPCB/SPCB shall monitor the stipulated conditions	Complied
xiii.	The environmental statement for each financial year ending 31st March in Form V as 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 the compliance of the environmental conditions and shall also be sent to the respective Regional Office of the MoEFCC at Bhopal by mail.	Complied
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 Website of the Ministry of Environment and Forest and Climate Change (MoEFCC) at http://envfor.nic.in . This shall be advertised with in 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 Bhopal.	Complied
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.	Compliance assured
9.0	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions in not satisfactory.	Compliance assured
10.0	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time	Compliance assured

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