

Annexure-2 Compliance of Consent for Operation vide letter no. APPCB/ZO/RCP/NLG/283/W&A/2013-1368 dated. 20.12.2013. (TOR-4)

<u>Schedule- A</u>		
<u>S. No.</u>	<u>Condition</u>	<u>Compliance status</u>
1.	The applicant shall make applications for renewal of consent (under water and air acts) and authorization and HWM rules at least 4 months before the date of expiry of this consent, along with prescribe fee under water and air acts for obtaining consents & HW authorization of board.	This combined order of Consent & Hazardous Waste Authorization shall be valid for a period ending with the 31 st day of October, 2014. The application for renewal is submitted.
2.	The industry shall immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions etc.	There is no change at present in the process, raw material and quantity of trade effluents and emission etc.
3.	a) All the fugitive emissions shall be controlled with proper measures.	Water sprinkling system is arranged on haul roads, loading and unloading points. Dust extracting system with hooding connected to Bag filter is installed to control the fugitive emissions.
	b) The applicant shall also install the equipment such as wind speed recorder, wind direction recorder.	We will install along with forward integration.
4.	A Good house keeping shall be maintained both within the factory and in the premises. All hoods pipes, values sewers and drains shall be leak proof. Floor washings shall be admitted into the effluent collection system only and shall not be allowed to find their way into storm drains or open areas.	Good house keeping is maintaining. All the equipments are leak proofed. Floor washing water will be treated in effluent treatment plant.
5.	The applicant shall submit Environment statement in Form-V before 30 th September every year as per Rule No. 14 of E(P) Rules, 1986 & its amendments thereof.	We will submit as per rule.
6.	The applicant shall comply with the directives/orders issued by the Board in this order and at all subsequent times without any	Noted, strictly follow the conditions. Accepted for the legal action if non-

	negligence on his part. The applicant shall be liable for such legal action against him as per provisions of the Law/act in case if non - compliance of any order/directive issued at any time and / or violation of the terms and conditions of this consent order.	compliance occurred.
7.	The applicant shall furnish to the visiting officer and / or the board any information regarding the constructions, installation or operation of the effluent treatment system / air pollution control equipment / secured storage area of Hazardous waste and such other particulars as may be pertinent for preventing and controlling pollution	Noted and we will furnish those details to the visiting officer/board.
8.	The industry is liable to pay compensation for any environment damage caused by it, as fixed by the collector and District Magistrate as civil liability	Noted and accepted the condition.
9.	All the rules & regulations notified by Ministry of Environment and forests Government of India in respect of management, handling, transportation and storage of hazardous chemicals and wastes shall be followed.	Noted and shall be followed the rules and regulations.
10.	All the rules & regulations notified by ministry of Law and justice, Government of India regarding public Liability insurance Act, 1991 shall be followed.	Noted and shall be followed the rules and regulations.
11.	The applicant shall at his own cost get the effluent samples collected both before and after treatment / samples of emissions collected and analysed from the APPCB or any other Laboratories which are established as per the guidelines and norms of MoE&F, GOI and CPCB, New Delhi, every month for the parameters indicated in the Condition No.1 and condition No. 4 of Schedule B and shall submit in duplicate the report thereof to the Board.	Noted and submitting for analysis as per the condition.
12.	The applicant shall provide appropriate Rain Water Harvesting systems on the available upstream portion of the plant site.	Provided with 50 m ³ storage tank with 8 harvesting pits.
13.	All Solid wastes arising in the premises shall	Slag is the solid waste, it

	<p>be properly classified and disposed off to the satisfaction of the Board by:</p> <p>i) Controlled incineration, wherever possible in case of combustible organic material.</p> <p>ii) Vermiculture / composting, in case of biodegradable material.</p> <p>iii) Secure landfill in case of non-biodegradable, chemically active/ hazardous solid waste. Care shall be taken to ensure that the material does not give lechate, which may percolate into ground water or carried away with storm run-off.</p>	<p>will be used as construction material after TCLP test. Waste oil and used batteries are sending to authorized recyclers.</p>
14.	At any time during the inspection of Pollution Control Board Officers or any other licencing / servicing authorities / if it is observed that the industry is not complying with any of the above conditions leading to pollution problems, this consent is liable for cancellation without further notice and all the services rendered by the servicing departments shall be withdrawn without further notice.	Noted and accepted the condition.
15.	All the rules & regulations notified by Ministry of Environment and Forests, Government of India in respect of microorganism, genetically engineered organisms or cells shall be followed.	Noted and will be followed.
16.	The applicant shall exhibit the consent order of the board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.	Displayed at the main gate.
17.	Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves to it the right and power under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and its amendments thereof and under section 21 of Air (prevention & Control of Pollution) Act, 191 and its amendments thereof to review any and / or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Act by the Board.	Noted and agreed the condition.

18.	The applicant shall put up two black boards of size 6ft by 4ft at the main entrance to their plant. One board shall contain the specific CFE and CFO conditions, in sufficiently large font size so that it can be read easily from a distance of 10 ft to a normal eye, and other board shall carry, again in sufficiently large font size so as to be able to read from a distance of 10 ft, the latest Water, Air, Noise and solid waste monitoring data as well as the maximum vulnerable zone.	Displayed at the main gate.												
19.	The following rules and regulations notified by the MoE&F, GOI shall be implemented. a) Hazardous waste (Management, Handling and Transboundary Movement) Rules, 2008. b) Manufacture, Storage and import of Hazardous Chemicals Rules, 1989. c) Batteries (Management & Handling) Rules, 2001. d) E-Waste (Management & Handling) Rules, 2012.	Noted and implementing the rules applicable.												
20.	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the appellate Authority) constituted under Section 28 of the Water (Prevention and control of Pollution) Act, 1974 and section 31 of Air (Prevention and control of pollution) Act, 1981.	--												
Schedule - B														
1.	<p>The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:</p> <table border="1"> <thead> <tr> <th>S. No.</th><th>Water Consumption</th><th>Quantity (in KLD)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Cooling/DM plant/RO plant</td><td>10.0 KLD</td></tr> <tr> <td>2.</td><td>Domestic</td><td>1.0 KLD</td></tr> <tr> <td></td><td>Total</td><td>11.0 KLD</td></tr> </tbody> </table>	S. No.	Water Consumption	Quantity (in KLD)	1.	Cooling/DM plant/RO plant	10.0 KLD	2.	Domestic	1.0 KLD		Total	11.0 KLD	We will not exceed the consent quantity and reusing the wastewater after treatment.
S. No.	Water Consumption	Quantity (in KLD)												
1.	Cooling/DM plant/RO plant	10.0 KLD												
2.	Domestic	1.0 KLD												
	Total	11.0 KLD												

2.	The industry shall file the water cess returns in Form - 1 as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per assessment orders as and when issued by the Board.	Will submitting as per the condition.						
3.	The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the notification G.S.R.520 (E), dated 01.07.2003 under the Environment (protection) Amendment Rules, 2003 and G.S.R.448 (E), dated 12.07.2004 under the Environment (protection) second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the notification G.S.R.489 (E), dated 09.07.2002 at serial No.96, under the Environment (Protection) Act, 1986.	DG set of 65 KVA (50 KW) is installed and it shall be maintained within the limits.						
4.	<p>The emissions shall not contain constituents in excess of the prescribed limits mentioned below.</p> <table border="1"> <thead> <tr> <th>Chimney No.</th><th>Parameter</th><th>Emission standards (mg/Nm³)</th></tr> </thead> <tbody> <tr> <td>1</td><td>SPM</td><td>115</td></tr> </tbody> </table>	Chimney No.	Parameter	Emission standards (mg/Nm ³)	1	SPM	115	Noted and maintaining within the limits. Refer Enclosure-1 .
Chimney No.	Parameter	Emission standards (mg/Nm ³)						
1	SPM	115						
5.	A sampling port with removable dummy of not less than 15cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.	Provided as per the condition and APPCB is monitoring the stack.						
6.	The industry shall comply with ambient air quality standards of PM ₁₀ (particulate Matter size less than 10pm) - 100 pg/m ³ ; PM ₂₅ (Particulate Matter size less than 2.5pm) - 60 pg/m ³ ; SO ₂ - 80 pg/m ³ ; NO _x - 80 pg/m ³ , outside the factory premises at the periphery	Industry is complying with air quality standards (Enclosure-2), Noise levels are within the limits.						

	<p>of the industry.</p> <p>Standards for other parameters as mentioned in the National Ambient Air Quality Standards of CPCB Notification No.B29016/20/90/PCI-I, dated 18.11.2009 shall be complied.</p> <p>The following noise level standards shall be complied:</p> <p>Noise Levels:</p> <p>Day time (6 AM to 10 PM) - 75 dB (A)</p> <p>Nighttime (10 PM to 6 AM) - 70 dB (A)</p>	
7.	The industry shall not increase the capacity beyond the permitted capacity mentioned in this order without obtaining CFE /CFO of the Board.	We are not increased the capacity beyond the permitted in our industry. We will not increase the capacity without consent from the board.
8.	The industry shall allocate a minimum amount of 1% of project cost towards Corporate Social Responsibility/Enterprise Social Responsibility activities like Social Welfare, Health Education, Sanitation, Drinking water supply, Welfare of Weaker Sections, Women Empowerment and skill development for making people employable. Similarly, the industry shall allocate an amount of atleast 0.2% of project cost every year for CSR / ESR activities upto 10 years. The industry shall allocate the fund and spend its amount through the District Collector or directly with information to the District Collector.	Approximately Rs. 50 Lakhs has already spent for local development as part of CSR.
9.	The industry shall regularly operate dust extraction system with hood and shall pass the emissions through air pollution control equipment i.e. pulse jet bag filter to control the emissions.	Dust extraction system connected to bag filter is operating regularly to control the emissions.
10.	The industry shall control fugitive emissions during handling of raw materials.	Fugitive emission will control by bag filter.
11.	The industry shall dispose the furnace slag generated within the premises in low lying areas.	Slag is used as construction material after TCLP test.
12.	The industry shall develop greenbelt of 10 mtrs width all around the boundary of the	Already developed with 10m width all around the

	industry with tall growing trees in all the vacant places within the plant premises.	boundary with tall trees and within the plant in an area of 7.29 acres.
13.	The industry shall not cause any air pollution/dust nuisance in the surrounding environment.	Noted and strictly follow the condition.
14.	The industry shall not discharge any waste water outside the plant premises.	Treated and reused.
15.	The industry shall maintain water meters to measure the actual water consumption and waste water discharge and maintain a log register to record the readings.	Maintaining the water meters and log register.
16.	The industry shall maintain separate energy meter to the air pollution control system and maintain a log register to record the readings.	Provided and maintaining the register.
17.	The industry shall install online stack & AAQ Monitoring station within two months.	Will install within six months, now the unit is in sick due to power crisis.

SCHEDULE-C

1.	The industry shall give top priority for waste minimization and cleaner production practices.	Shall be given. We will not create any pollution problem while production.
2.	The industry shall not store hazardous waste for more than 90 days as per the hazardous wastes (Management, Handling and Transboundary Movement) Rules, 2008 and amendments thereof.	Sending to authorized recyclers immediately.
3.	The industry shall store used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal.	Stored in a closed shed constructed on an elevated platform.
4.	The industry shall not dispose Waste Oils to the traders and the same shall be disposed to the authorized re-processors / Recyclers.	Sending to authorized recyclers.
5.	The industry shall dispose Used Lead Acid Batteries to the manufacturers / dealers on buyback basis.	Sending to authorized recyclers.
6.	The industry shall not dispose spent solvent / mixed spent solvents to the traders.	No solvent is anticipated during the ferro alloy production.
7.	The industry shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises.	Stored on a stable linear with garland drain connected to ETP.

8.	The industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to Board Office and concerned Regional Office.	Maintaining.
9.	The industry shall maintain good housekeeping & maintain proper records for hazardous wastes stated in authorization.	Maintaining good housekeeping and proper records.
10.	The industry shall maintain proper records, for hazardous waste stated in Authorisation in FORM-3 i.e., quantity of incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 22(2) of the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 and amendment thereof.	Maintaining separately as per the rules prescriber by SPCB and CPCB.
11.	The industry shall dispose of e-waste to the authorized recyclers only.	Very minimum and disposed it off to the authorized recyclers.
12.	The industry shall conform to the co-processing guidelines of CPCB in sending wastes to co-processing for cement plants.	Not sending to cement plants, slag is used as construction material and bagfilter dust is sending to brick manufacturers.
	The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board office, Hyderabad and concerned Regional office.	Noted and submitting as per the condition.

Enclosure-1 Stack monitoring results

**ANDHRA PRADESH POLLUTION CONTROL BOARD
REGIONAL OFFICE :NALGONDA**

M.V.N. PRASAD, M.Tech.
ENVIRONMENTAL ENGINEER

H.No. 6-2-888/B, 2nd Floor,
Laxmi Complex, Near Clock Tower,
NALGONDA-508 001
Phone No.- 08682-222005

STACK EMISSION ANALYSIS REPORT

Name & address of the Industry : M/s. Sai Durga Ferro Alloys (P) Ltd.,
Korlapahad (V), Kethapally (M),
Nalgonda dist.

Date of sampling : 27.07.2011

Date of Analysis : 29.07.2011

Sample No. : 11 - 07 - 70

Sample collected by : Analyst Gr. II, RO, Nalgonda

Purpose : Routine

Stack Identity : Stack attached to 5 MVA Furnace.

S. No.	Parameters	Values (mg/Nm ³)	Standard (mg/Nm ³)
1	SPM	71	115

SPM : Suspended Particulate Matter

Remarks :

- The suspended particulate matter is within standards.
- The observations of the sampling Incharge are:
 - During the monitoring the industry was operating 5 MVA capacity against installed capacity 5 MVA.
 - During monitoring the control equipments Heat Exchanger & Bag houses are working.
 - The height of the stack attached to the boiler is 45mt. from the ground level.

[Signature]
ENVIRONMENTAL ENGINEER
A.P. Pollution Control Board
Regional Office, Nalgonda.

**ANDHRA PRADESH POLLUTION CONTROL BOARD
REGIONAL OFFICE :NALGONDA**

L. VISHVESWAR GOUD, M.E.
ENVIRONMENTAL ENGINEER

H.No. 6-2-888/B, 2nd Floor,
Laxmi Complex, Near Clock Tower,
Nalgonda-508 001

STACK EMISSION ANALYSIS REPORT

Name & address of the Industry : M/s. Sai Durga Ferro Alloys (P) Ltd.,
Korlapahad (V), Kethapally (M),
Nalgonda dist.

Date of sampling : 30.10.2013

Date of Analysis : 01.11.2013

Sample No. : 13 - 10 - 380

Sample collected by : Analyst Gr. I, RO, Nalgonda

Purpose : CFO renewal

Stack Identity : Stack attached to 5 MVA Furnace.

S. No.	Parameters	Values (mg/Nm ³)	Standard (mg/Nm ³)
1	SPM	76	115

SPM : Suspended Particulate Matter

Remarks :

The observations of the sampling Incharge are:

- During monitoring the control equipments pulse jet Bag house are working.
- The height of the stack attached to the boiler is 45mt. from the ground level.

[Signature]
ENVIRONMENTAL ENGINEER
A.P. Pollution Control Board
Regional Office, Nalgonda.

Enclosure-2 Ambient Air Quality monitoring results
ANDHRA PRADESH POLLUTION CONTROL BOARD
REGIONAL OFFICE :NALGONDA
L. VISHVESWAR GOUD, M.E.,
ENVIRONMENTAL ENGINEER

H.No. 6-2-888/B, 2nd Floor,
Laxmi Complex, Near Clock Tower,
Nalgonda-508 001
AMBIENT AIR QUALITY ANALYSIS REPORT

Name & address of the industry : M/s. Sai Durga Ferro Alloys (P) Ltd.,
Korlapahad (V), Kethapally (M),
Nalgonda dist.

Date of sampling : 30.10.2013

Date of Analysis : 01.11.2013

Sample No. : 13 – 10 – 381

Sample collected by : Analyst Gr. I, RO, Nalgonda

Purpose : CFO renewal

Sampling location : Periphery of the industry in down wind
direction on SE side.

S. No.	Parameters	Values (ug/m3)	Standards (ug/m3)
1	RSPM	78	100
2	SO ₂	5.7	80
3	NO _x	16.1	80

Standards: National Ambient Air Quality Standards

RSPM : Respirable Suspended Particulate Matter (PM₁₀)

SO₂ : Sulphur dioxide

Nox : Oxides of Nitrogen

Remarks :

The observations of the sampling incharge are:

- The sampler was placed in down wind direction.
- During the monitoring dominant wind speed is low.

[Signature]
ENVIRONMENTAL ENGINEER
ENVIRONMENTAL ENGINEER
A.P. Pollution Control Board
Regional Office, Nalgonda