KALYANI | JS AUTO CAST

September 26, 2024

The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
Perundurai.

Sub : Submission of Environmental Statement for the financial year 2023-2024 – Reg.

Dear Sir,

Reference to the above subject, please find enclosed herewith a copy of Environmental Statement (Form – V) for financial year 2023-24 for our Foundry Unit located at Plot No. KK5, KK6, KK7 & SF No. 127pt, 128pt, 131 & 132 pt of Ingur Village & 213pt, 214pt & 215pt of Perundurai Village, Erode District.
Kindly acknowledge the same.

Thanking you,

Yours faithfully

For JS Auto Cast Foundry India Pvt Ltd.,

JS AUTOCAST FOUNDARY INDIA P. LTD PERUNDURAI 638 052

C. Madanmohan
Chief Financial Officer

Encl: As stated above

மாவட்ட சுற்றுச்சூழல் பொறியாளர் அலுவலகம்
26 SEP 2024
தமிழ்நாடு மாசு கட்டுப்பாடு வாரியம்

J S AUTO CAST FOUNDRY INDIA PVT. LTD.,
CIN No. : U27310TZ2004PTC011284 | GST No. : 33AABCJ4470D1ZZ
Registered Office & Factory Address : SF No. 165/1, Sembagounden Pudur,
Kuppepalayam, Coimbatore - 641 107. Phone : +91 - 97888 - 51015

ENVIRONMENTAL STATEMENT (FORM V)

FOR THE FINANCIAL YEAR 2023-2024

Submitted By

JS AUTO CAST

JS AUTO CAST FOUNDRY INDIA PRIVATE LIMITED, (UNIT-3)
PLOT NO. KK5, KK6, KK7 & S.F NO. 127 PT, 128 PT,
131, 132 PT, INGUR VILLAGE,
213 PT, 214 PT, 215 PT, PERUNDURAI VILLAGE,
PERUNDURAI TALUK, ERODE.

Prepared By

ENVISLAB **Enviro Solutions & Labs**

No.5. CHERAN NAGAR,
OFF. METTUPALAYAM ROAD,
KAVUNDAMPALAYAM, GN MILLS (POST),
COIMBATORE – 641 029.
Ph : +91-422-42006000, E-mail : info@envislab.com

ENVIRONMENTAL STATEMENT FORM - V

(See Rule 14)

Environmental Statement for the financial year ending the 31st March 2024

PART-A

(i) Name and address of the Owner/Occupier of the Industry, Operation or process.	:	Mr. C. Madhanmohan Chief Financial Officer, M/s. J.S. Auto Cast Foundry India Private Limited, Unit - 3, Plot No. KK5, KK6, KK7, SIPCOT Industrial Growth Centre, Perundurai, Erode District – 638 052.
(ii) Industry Category	:	Orange
Primary- (STC Code)	:	
Secondary – (STC Code)	:	Steel and Steel products using various furnace like blast furnace/open hearth furnace/induction furnace...
(iii) Production capacity – Units	:	**Grey & SG Iron Castings** Consented – 1814 Tons / Month Actual – 1736 Tons / Month (Avg.)
(iv) Year of Establishment	:	2019
(v) Date of the last environmental Statement submitted	:	30-09-2023

PART – B

Water and Raw Material Consumption

i) Water consumption, m^3/day (Avg.)

Cooling tower make-up	:	11.2
Domestic	:	28.5
Process	:	7.5

Name of the Products	Process water consumption per unit of products (KL)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
1. Grey & SG Iron Castings	0.291	0.280

(ii) Raw Material consumption

Name of the Raw Material	Name of the Product	Consumption of Raw material per unit of output (Tons / Ton of Product)	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
a. Pig Iron	Grey & SG Iron Castings	0.090	0.048
b. Steel Scraps & Borings		0.675	0.643
c. Runner & Risers / Rejects		0.375	0.389
d. Ferro Silicon		0.012	0.017
e. Ferro Magnesium		0.002	0.002

* Industry may use codes if disclosing details of raw material would violate contractual obligation, Otherwise all industries have to name the raw materials used.

PART - C

Pollution discharged to Environment / unit of output

(Parameters as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Enclosed as *Annexure - I*		
(b) Air			

PART – D
Hazardous Wastes

(As specified under Hazardous Wastes/Management and Handling Rules, 1989)

Hazardous Wastes	Total Quantity (Tons)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
1. From Process		
5.1 Used Oil	2.950	2.8
5.2 Residue Containing Oil	0.635	0.45
33.1 Empty Barrels	1.998	4.95
2 From Pollution Control Facilities	---	---

PART – E

Solid Wastes

Solid Wastes	Total Quantity [TPA]	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
1. From Process		
a. Furnace Slag	190	215
b. Waste Sand	2112	2640
c. STP Sludge	1.95	2.19
2. From Pollution Control Facilities		
a. Dust from Bag Filter	235	232

PART – F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.

Hazardous wastes like used oil, residues containing oil & empty barrel were disposed through the authorized recycler.

Non hazardous wastes like burnt sand, furnance slag & dust from bag filters are used for road filling, land filling and leveling of the sites etc. STP sludge is utilised as manure in gardening.

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

On site and handling expenses for pollution control equipment / services for the year 2022-2023.

a) Air pollution control expenses
b) Environmental Monitoring
c) Greenbelt Development
d) Medical facilities for workers
e) Waste Water Management

} **Rs. 42 Lakhs**

Total No of Products / Annum - 20834 Tons of Grey & SG Iron Castings

Cost per ton of casting - Rs.201 /-

PART - H

Additional measures/investment proposal for environmental protection including abatement of pollution.

The following additional measures are planned for the year 2023-24 at the cost of Rs. 32.0 Lakhs

a)	Air pollution control monitoring & Environmental Monitoring	-	Rs. 7.75 lakhs
b)	Green Belt Development	-	Rs. 5.50 lakhs
c)	Sewage treatment plant expense	-	Rs. 5.50 lakhs
d)	Medical facilities for workers	-	Rs. 13.25 lakhs

PART - I

Miscellaneous

Any other particulars for improving environment protection and abatement of pollution. - Nil

C. Madhanmohan
Chief Financial Officer

ANNEXURE – I

POLLUTANTS DISCHARGED TO ENVIRONMENT – AIR

Source	Quantity of Pollutants discharged, (mass/day)	Concentration of Pollutants discharged, (mass/volume)	Percentages Variation from the prescribed standards*
Induction Furnace 1 No (3 Ton & 1.5 Ton)			
Particulate Matter	57.5 kg/day	41.4 mg/Nm^3	- 72.4
Sulphur Dioxide	---	---	---
Oxides of Nitrogen	---	---	---
Sand Plant & DISA Cool			
Particulate Matter	72.86 kg/day	51.1 mg/Nm^3	- 65.9
Sulphur Dioxide	---	---	---
Oxides of Nitrogen	---	---	---
Shot Blasting Machine (1 Ton)			
Particulate Matter	14.48 kg/day	51.7 mg/Nm^3	- 65.5
Sulphur Dioxide	---	---	---
Oxides of Nitrogen	---	---	---
Knock Out Machine			
Particulate Matter	30.74 kg/day	50.2 mg/Nm^3	- 66.5
Sulphur Dioxide	---	---	---
Oxides of Nitrogen	---	---	---
DG Set - 2000 KVA			
Particulate Matter	0.58 kg/day	47.1 mg/Nm^3	- 37.2
Sulphur Dioxide	0.06 kg/day	5.1 mg/Nm^3	--
Oxides of Nitrogen	2.41 kg/day	194 mg/Nm^3	- 72.2

* -ve: Below the TNPCB prescribed Limit, +ve: Above the TNPCB prescribed Limit

POLLUTANTS DISCHARGED TO ENVIRONMENT – WATER

- No Trade Effluent generated from the plant.
- On average about 22.8 KLD of sewage is treated in the Sewage Treatment Plant and reused for gardening. The characteristics of treated sewage are as follows

Source	Quantity of Pollutants discharged, (mass/day)	Concentration of Pollutants discharged, (mass/volume)	Percentages Variation from the prescribed standards*
Treated Sewage			
Total Suspended Solids	0.396 kg/day	17.4 mg/l	- 42.0
BOD at 27^0C for 3 days	0.385 kg/day	16.9 mg/l	- 15.5

JS AUTOCAST (INDIA) P. LTD PERUNDURAI 638 052

C. Madhanmohan
Chief Financial Officer