



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000085358

Submitted Date

24-09-2025

PART A

Company Information

Company Name GHATGE PATIL INDUSTRIES LTD. **Application UAN number** MPCB-CONSENT-0000134401
(PLANT 2)

Address

PLOT NO. D-2, D-3, D-3/1, D-3/2,
KAGAL- HATKANAGALE
INDUSTRIAL AREA, DIST-
KOLHAPUR

Plot no PLOT NO. D-2, D-3, D-3/1, D-3/2 **Taluka** HATKANANGALE

Village KAGAL- HATKANAGALE INDUSTRIAL AREA, TALANDGE

Capital Investment (In lakhs) 31622.33 **Scale** LARGE

City KAGAL- HATKANAGALE INDUSTRIAL AREA,

Pincode 416216 **Person Name** PRAVIN S MORE

Designation DEPUTY MANAGER ENVIRONMENT

Telephone Number 9881530133 **Fax Number** 9881530133

Email praveen.more@gpi.co.in

Region SRO-Kolhapur **Industry Category** Red

Industry Type R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units

Last Environmental statement submitted online yes **Consent Number** No:- Format1.0/CAC/UAN
No.MPCBCONSENT-0000134401/CR/2207000106

Consent Issue Date 2022-07-02

Consent Valid Upto 2025-05-31 **Establishment Year** 2016

Date of last environment statement submitted Aug 29 2024 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

SG & GREY IRON CASTINGS

| Consent Quantity | Actual Quantity | UOM |
|------------------|-----------------|------|
| 72000 | 49391 | MT/A |

ENGINEERING INDUSTRIAL ACTIVITY OF SHOT BLASTING, FETTLING,MACH INING AND PAINTING OF JOBS (WITHOUT SURFACE TREATMENT)

| | | |
|---------|--------|--------|
| 1200000 | 372779 | Nos./Y |
|---------|--------|--------|

By-product Information

| By Product Name | Consent Quantity | Actual Quantity | UOM |
|-----------------|------------------|-----------------|-----|
| NA | 0 | 0 | CMD |

Part-B (Water & Raw Material Consumption)**1) Water Consumption in m3/day**

| Water Consumption for Process | Consent Quantity in m3/day | Actual Quantity in m3/day |
|-------------------------------|----------------------------|---------------------------|
| | 260.00 | 0.77 |
| Cooling | 480.00 | 312.80 |
| Domestic | 80.00 | 33.15 |
| All others | 34.00 | 0.00 |
| Total | 854.00 | 346.72 |

2) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|-------------|------------------|-----------------|-----|
| DOMESTIC | 72.5 | 30.14 | CMD |
| TRADE | 32.5 | 0.71 | CMD |

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|--|------------------------------------|-----------------------------------|-----|
| SG & GREY IRON CASTING | 1.85 | 2.19 | CMD |
| ENGINEERING INDUSTRIAL ACTIVITY OF SHOT BLASTING, FETTLING, MACHINING AND PAINTING OF JOBS (WITHOUT SURFACE TREATMENT) | 0.2985 | 0.290 | CMD |

3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|-----------------------|------------------------------------|-----------------------------------|---------|
| PIG IRON | 0.247 | 0.253 | Ton/Ton |
| Ferrous Silicon | 0.011 | 0.011 | Ton/Ton |
| Copper Scrap | 0.002 | 0.002 | Ton/Ton |
| Bentonite Powder | 0.095 | 0.093 | Ton/Ton |
| Unwashed Sand | 0.045 | 0.085 | Ton/Ton |
| Washed Sand | 0.793 | 0.759 | Ton/Ton |
| Ferro Magnesium | 0.0042 | 0.0040 | Ton/Ton |
| Resin | 0.0064 | 0.0064 | Ton/Ton |
| Activator | 0.0064 | 0.0064 | Ton/Ton |
| Amine | 0.0011 | 0.0012 | Ton/Ton |
| PAINT | 0.641 | 0.615 | Ltr/A |
| THINNER | 0.836 | 0.975 | Ltr/A |
| CUTTING OIL | 0.159 | 0.150 | Ltr/A |
| STEEL SHOTS | 1.071 | 0.626 | MT/A |
| ROUGH CASTINGS | 1 | 1 | Nos./Y |

4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---------------|------------------|-----------------|------|
| BIO CNG (LPG) | 792 | 677.06 | MT/A |

Part-C**Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)****[A] Water**

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | Standard | | |
|-------------------|--|--|--|------------|---------------|--------|
| | | | | Quantity | Concentration | Reason |
| pH | 7.31 | 7.31 | 0 | 5.5 to 9.0 | WITH IN LIMIT | |
| OIL & GREASE | 0 | 0 | 0 | 10 | WITH IN LIMIT | |
| BOD | 0.0065 | 9.2 | 0 | 30 | WITH IN LIMIT | |
| COD | 0.047 | 66.2 | 0 | 250 | WITH IN LIMIT | |
| TDS | 0.674 | 950 | 0 | 2100 | WITH IN LIMIT | |
| SUSPENDED SOLIDS | 0.014 | 20.4 | 0 | 100 | WITH IN LIMIT | |
| IRON | 0.0003 | 0.486 | 0 | 3 | WITH IN LIMIT | |
| CHROMIUM AS Cr | 0 | 0 | 0 | 2 | WITH IN LIMIT | |
| TOTAL METAL | 0.00011 | 0.16 | 0 | 10 | WITH IN LIMIT | |

[B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | Standard | | |
|-------------------|--|--|--|----------|--|--------|
| | | | | Quantity | Concentration | Reason |
| SO2 | 105 | 15.0 | 0 | 0 | WITH IN LIMIT | |
| TPM | 9.5 | 13.61 | 0 | 50 | RESULTS ARE WITH IN LIMIT (22.16 MG/NM3) | |

Part-D**HAZARDOUS WASTES****1) From Process**

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|--|--------------------------------------|-------------------------------------|--------|
| 5.1 Used or spent oil | 6.447 | 8.847 | KL/A |
| 5.2 Wastes or residues containing oil | 20.99 | 19.16 | MT/A |
| 21.1 Process wastes, residues and sludges | 40.73 | 49.64 | MT/A |
| 33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes | 3620 | 1919 | Nos./Y |

2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|--------------------------------------|-------------------------------------|------|
| 35.3 Chemical sludge from waste water treatment | 3.32 | 5.44 | MT/A |

Part-E

SOLID WASTES

1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---------------------------------|---|--|------------|
| MOLDING SAND | 5734 | 6315 | MT/A |
| BURNT SAND/CORES | 20231 | 24812 | MT/A |
| METAL SCARP | 0 | 0 | MT/A |
| CI BORING AND TURNING | 2794.43 | 3066.98 | MT/A |
| GRINDING WHEELS | 32920 | 43279 | Nos./Y |

2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---------------------------------|---|--|------------|
| STP SLUDGE | 2.65 | 2.75 | MT/A |
| DUST | 4458.71 | 4562 | MT/A |
| GRINDING /FETTLING DUST | 523.23 | 109.36 | MT/A |
| SHOT BLASTING DUST | 75.56 | 26.39 | MT/A |

3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|-------------------|---|--|------------|
| 0 | 0 | 0 | CMD |

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 wastes.

1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|--|-------------------------------|------------|---|
| 5.1 Used or spent oil | 8.847 | KL/A | SEND TO AUTHORIZED RECYLER/REPROCESSOR |
| 5.2 Wastes or residues containing oil | 19.16 | MT/A | SEND TO CHWTSDF |
| 21.1 Process wastes, residues and sludges | 49.64 | MT/A | SEND TO CHWTSDF |
| 33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes | 1919 | Nos./Y | SEND TO RECYCLER |
| 35.3 Chemical sludge from waste water treatment | 5.44 | MT/A | SEND TO CHWTSDF |

2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|--------------------------------------|---------------------------|------------|--|
| DUST | 4562 | MT/A | SALE TO BRICKS MANUFACTURERS/LANDFILLING |
| MOLDING SAND | 6315 | MT/A | SALE TO BRICKS MANUFACTURERS |
| METAL SCRAP | 0 | MT/A | REUSE |
| BURNED SAND/CORES | 24812 | MT/A | REUSE/LANDFILLING |
| STP SLUDGE | 2.75 | MT/A | USED AS MANURE |
| GRINDING /FETTLING DUST | 109.36 | MT/A | SALE |
| SHOT BLASTING DUST | 26.39 | MT/A | SALE |

| | | | |
|------------------------|---------|--------|------|
| C I BORING AND TURNING | 3066.98 | MT/A | SALE |
| GRINDING WHEEL | 43279 | Nos./Y | SALE |

Part-G

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

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|----------------|---|--|--------------------------------|--------------------------------------|-----------------------------|-----------------------------------|
| STP & ETP | 30.85 | 0 | 0 | 10 | 60 | 0 |
| RECLAIMED SAND | 0 | 0 | 5853.56 | 0 | 25 | 0 |

Part-H

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

[A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|--|---|----------------------------|
| ENVIRONMENTAL MONITORING, CALIBRATION OF EQUIPMENT'S, AND PERIODIC MAINTENANCE OF PUMPS , WASTE MANAGEMENT | FOR SMOOTH OPERATION OF POLLUTION CONTROL EQUIPMENT'S, ENVIRONMENTAL MONITORING | 15 |

[B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|-----------------------------------|----------------------------|
| NA | NA | 0 |

Part-I

Any other particulars for improving the quality of the environment.

Particulars

ROAD SWEEPING MACHINE IS USED FOR CLEANING IN FACTORY PREMISES .WE HAVE RECLAIMED SAND @ 5853.56 MT/A AND SAVED NATURAL RESOURCES.

Name & Designation

P.S. MORE DPT.MANAGER ENVIRONMENT

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000085358

Submitted On:

24-09-2025