



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector 10-A, Gandhinagar 382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous & Other Waste (Management & Transboundary Movement) Rules-2016 & as amended, framed under the Environment (Protection) Act-1986.

And whereas Board has received application Inward ID No. 109050 dated 01/06/2016 for the Amendment to Consolidated Consent and Authorization (CC&A) of the Board under the provisions/rules of the aforesaid acts. Consents & Authorization is hereby granted as under:

AMENDMENT TO CONSENTS AND AUTHORISATION:

(Under the provisions /rules of the aforesaid environmental acts)

To,

M/s. Gallant Metal Limited,

Survey No: 175/1, 175/2, 176, 177, 178, 182/1, 182/2, 183/1, 183/2, 184, 185/1, 185/2, 185/3, 185/4, 185/5, 179/1, 179/2, 179/3,

Village: Samakhiyali

Taluka: Bhachau, Dist: Kutch – 370 150.

1. Consent Order No.: AWH – 80514, Date of Issue: 20/07/2016.
2. The consent order shall be valid up to 27/12/2020 for storage of chemicals at Survey No: 175/1, 175/2, 176, 177, 178, 182/1, 182/2, 183/1, 183/2, 184, 185/1, 185/2, 185/3, 185/4, 185/5, 179/1, 179/2, 179/3, Village: Samakhiyali, Taluka: Bhachau, Dist: Kutch – 370 150.

SR.NO.	PRODUCT	QUANTITY PER MONTH
1.	Sponge Iron	18,750 MT
2.	Steel Billets	28,050 MT
3.	TMT	27,500 MT
4.	Power Plant (AFBC)	25 MW
5.	Power Plant(WHRB)	8 MW
6.	Runner & Riser	74.25 MT
7.	Miss Rolled Bar	445.5 MT

SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:

1. You shall comply all EC conditions issued by MoEF & CC vides order No F. No. J-11011/52/2013-IA-II (I) dated 19.5.2016.
2. No ground water shall be withdrawal without obtaining prior permission from competent authority



3. CONDITIONS UNDER WATER ACT 1974:

- 3.1 The quantity of industrial effluent from manufacturing process and other ancillary industrial operations shall not exceed **135.5 KL/day** after expansion.
- 3.2 The quantity of the domestic waste water (Sewage) shall not exceed **105 KL/day** after expansion.
- 3.3 The quality of industrial effluent shall conform to the following standards:

PARAMETERS	GPCB NORMS
pH	6.5 to 8.5
Temperature	40° C
Colour (pt.co. scale) in units	100 units
Suspended Solids	100 mg/L
Oil and Grease	10 mg/L
Phenolic Compounds	1 mg/L
Fluorides	1.5 mg/L
Sulphides	0.5 mg/L
Ammonical Nitrogen	50 mg/L
Total Chromium	2.0 mg/L
Hexavalent Chromium	0.1 mg/L
Copper	2 mg/L
Lead	0.1 mg/L
Mercury	0.01 mg/L
Nickel	3 mg/L
Zinc	5 mg/L
Cadmium	2.0 mg/L
BOD (3 days at 27° C)	30 mg/L
COD	100 mg/L
Chlorides	600 mg/L
Sulphates	1000 mg/L
Total dissolved solids	2100 mg/L
Total residual Chlorine	1.0 mg/L

All efforts shall be made to remove colour & unpleasant odour as far as practicable.

- 3.4 The effluent conforming to the above standards shall be utilized in dust suppression and partially utilized in gardening and plantation within plant premises.
- 3.5 The quality of the sewage shall conform to the following standards;

PARAMETER	PERMISSIBLE LIMIT
BOD (3 days at 27° C)	20 mg/L
Suspended Solid	30 mg/L
Residual Chlorine	Minimum 0.5 mg/L

- 3.6 Sewage shall be disposed off through septic tank / soak pit system.
- 3.7 The unit shall install meters at utilities for measuring category wise (Category as given in Schedule II of "Water (Prevention & Control of Pollution) Cess Act-1977") consumption of water.



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4. CONDITIONS UNDER AIR ACT 1981:

4.1 The following shall be used as fuel in the boiler/ furnace / Thermic fluid Heater / D.G Sets as following rates after proposed expansion:

Sr. No.	Name of Fuel	Quantity/Month		
		Existing	Proposed	Total
1.	Coal (sponge iron plant)	15,975 MT	4,125 MT	20,100 MT
2.	Coal (Power plant)	11,440.80 MT	4,186.50 MT	15,627.30 MT
3.	Diesel	1.667 TPA	---	1.667 TPA

4.2 The applicant shall install & operate air pollution control system in order to achieve flue gas emission norms as prescribed below;

Sr. no.	Stack attached to	Status	Stack height in Meters	Air Pollution Control System	Parameter	Permissible limit
1.	Rotary Kiln No. 1 & 2	Existing	35	Electro Static Precipitator	P M SO ₂ NOx	100 mg/Nm ³ 100 mg/Nm ³ 50 mg/Nm ³
2.	Rotary Kiln No. 3 & 4	Existing	35	Electro Static Precipitator		
3.	Induction Furnace no. 1 & 2	Existing	48	Bag Filter with spark trapper and pop pet dampers	P M SO ₂ NOx	50 mg/Nm ³ 100 mg/Nm ³ 50 mg/Nm ³
4.	Induction Furnace no. 3	Existing	48	Bag Filter with spark trapper and pop pet dampers		
5.	Induction furnace No-4	Proposed	48	Bag Filter with spark trapper and pop pet dampers		
6.	AFBC Boiler of power plant	Existing	95	Electro Static Precipitator	P M SO ₂ NOx	100 mg/Nm ³ 100 mg/Nm ³ 50 mg/Nm ³
7.	Reheating furnace	Existing	30	---		
8.	Coal Crusher house	Existing	30	Bag house		
9.	D.G. sets (3 nos.)	Existing	12	---		

4.3 There shall be no process gas emission from the manufacturing and other ancillary activities:

4.4 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per National Ambient Air Quality Standards issued by MoEF&CC dated 16th November-2009.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/m ³
1.	Sulphur Dioxide (SO ₂)	Annual	50
		24 Hours	80
2.	Nitrogen Dioxide (NO ₂)	Annual	40
		24 Hours	80
3.	Particulate Matter (Size less than 10 µm) OR PM ₁₀	Annual	60
		24 Hours	100
4.	Particulate Matter (Size less than 2.5 µm) OR PM _{2.5}	Annual	40
		24 Hours	60



4.5 The applicant shall provide portholes, ladder, platform etc. at chimney(s) for monitoring the air emissions and the same shall be open for inspection. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted / displayed to facilitate identification.

4.6 The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:

Between 6 A.M. to 10 P.M.: 75 dB (A)
Between 10 P.M. to 6 A.M.: 70 dB (A)

5. **Authorization under Hazardous & other Waste [Management & Transboundary Movement] Rules, 2016 & amended.**

5.1 **Authorization Number: AWH – 80514 and shall valid up to 27/12/2020.**

5.2 **M/s. Gallant Metal Limited**, is hereby granted an authorization to operate facility for following hazardous wastes after expansion on the premises situated at **Survey No: 175/1, 175/2, 176, 177, 178, 182/1, 182/2, 183/1, 183/2, 184, 185/1, 185/2, 185/3, 185/4, 185/5, 179/1, 179/2, 179/3, Village: Samakhiyali, Taluka: Bhachau, Dist: Kutch – 370 150.**

Sr. No.	Waste	Quantity per Annum	Category	Mode of Disposal
1.	Used Oil	1.617	5.1	Collection, storage transportation, disposal by selling to Registered Re-refiner
2.	Sponge iron exchange resin	0.350	34.2	Collection, storage transportation, disposal at integrated Facility site of M/s Saurashtra Enviro Projects Pvt Ltd, located at survey No.415, 417, 418, Village:-Juna Katariya, Taluka:- Bhachau, Dist:- Kutch.
3.	Tar Residue	3.60	13.4	Collection, storage transportation, disposal at integrated Facility site of M/s Saurashtra Enviro Projects Pvt Ltd, located at survey No.415, 417, 418, Village:-Juna Katariya, Taluka:- Bhachau, Dist:- Kutch.

5.3 The authorization is granted to operate a facility for collection, storage, within factory premises, transportation, and ultimate disposal of Hazardous & Other wastes by selling out to registered recyclers

5.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

5.5 TERMS AND CONDITIONS OF AUTHORISATION:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages,



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leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

6.0 GENERAL CONDITIONS:

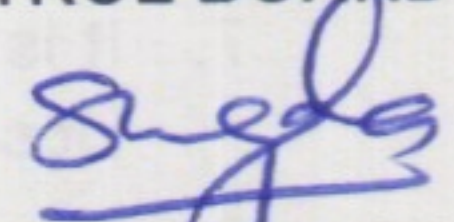
- 6.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
- 6.2 The waste generator shall be totally responsible for (i.e. Collection, storage, transportation and ultimate disposal) of the wastes generated. Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form – 4 by 31st January of every year.
- 6.3 In case of any accident, details of the same shall be submitted in Form – 5 to Gujarat Pollution Control Board. Applicant shall comply relevant provision of "Public Liability Insurance Act – 91".
- 6.4 Empty drums and containers of toxic and hazards material shall be treated as per guideline published for "management & handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
- 6.5 In no case any kind of hazardous waste shall be imported without prior approval of appropriate authority.
- 6.6 In case of transport of hazardous waste to a facility for (i.e. Treatment, Storage and disposal) existing in a state other than the state where hazardous waste are generated, the occupier shall obtain "No Objection certificate" from the state pollution Control Board, the Committee of the concerned state or Union territory Administration where the facility exists.
- 6.7 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme Court's order in W.P. No.657 of 1995 dated 14th October 2003.



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6.8 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous waste generated within the factory premises.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD


(Sushil Vegda)

Senior Environment Engineer

NO. PC/CCA-KUTCH - 341(5)/GPCB ID 17845/ 364967 Date: - 01/08/16

TO,
M/s. Gallant Metal Limited,
Survey No: 175/1, 175/2, 176, 177, 178, 182/1, 182/2, 183/1,
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