



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,  
GANDHINAGAR - 382010,  
(T) 079-23232152

## BY R.P.A.D.

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) Act-1981 and Authorization under rule 3(c) & 5(5) of the Hazardous Waste and other wastes (Management and Trans boundary Movement) Rules'2016 framed under the E (P) Act-1986.This Board is empowered to grant CC&A.

And whereas Board has received consolidated consent application vide No.262581 Dated: 20/08/2022 for the consolidated consent and authorization (CC & A- Renewal) of this Board under the provisions / rules of the aforesaid Acts. Consent & Authorization is hereby granted as under.

### **CONSENTS AND AUTHORISATION:**

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

To,

M/s. Mangalam Alloys Ltd, Unit-3,  
Plot No.3243,3246,3247,96/P3,98/P1,  
Phase-III, GIDC Chhatral-382729,  
Tal: Kalol, Dist: Gandhinagar.

1. Consent Order No: AWH-121523, Date of Issue: - 19/09/2022.
- 1.1 The consent shall be valid up to 27/01/2027 under Water Act-1974 for the use of outlet for the discharge of treated effluent, under the Air Act-1981 for air emission Authorization under Environment (Protection) Act, 1986 for hazardous waste management and to operate industrial plant for manufacture of the following products:

Sr. No.	Product	Tota Quantity
1.	Stainless steel/steel Recovery	25 MT/Month
2.	Cleaning grinding dust	30 MT/Month
3.	Refractory-recyclable	40 MT/Month
4.	Paver block made from Slag powder and ash for recycling	70 MT/Month
5.	Paver blocks/concrete block	500 MT/Month
6.	Product from rolling mill (Round, flat, angle, patti, Hexagonal Bar, Square Bar)	9200 MT/Month
7.	Red oxide	05 MT/Month

- 1.2 The unit has applied for obtaining Environment Clearance for existing plant as per MoEF & CC notification dated 20/07/2022 and TOR has been granted on 09/05/2022. The unit shall submit copy of Environment Clearance before due date and comply with all conditions mentioned therein.
- 1.3 No ground water shall be abstracted from bore well without permission from Central Ground Water Authority.
- 1.4 Applicant shall not start any construction activities or project related activity without getting Environment Clearance from the Ministry of Environment, Forests & Climate Change, New Delhi/State Level Environment Impact Assessment Authority, Gujarat under Environment Impact Assessment Notification dated 14/09/2006.
- 1.5 In no case any type of hazardous waste shall be procured for reuse/recycling or shall be reused/recycled/ utilized as raw material or for product manufacturing as raw material.
- 1.6 Management of Solid Waste generated from industrial activities shall be as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3 (46) and has to comply with the guidelines published time to time by the Central Pollution Control Board, New Delhi. (if applicable).
- 1.7 Applicant shall comply with the provisions of the Plastic Waste Management Rules'2016 and has to comply with the guidelines published time to time by the Central Pollution Control Board, New Delhi. (if applicable).
- 1.8 Applicant shall comply with the provisions of the E-Waste Management Rules'2016 and has to comply with the guidelines published time to time by the Central Pollution Control Board, New Delhi. (if applicable).
- 1.9 Applicant shall comply with the provisions of the Construction and Demolition Waste Management Rules-2016 and has to comply with the guidelines published time to time by the Central Pollution Control Board, New Delhi. (if applicable).
2. CONDITIONS UNDER WATER (PREVENTION AND CONTROL OF POLLUTION) ACT-1974:
- 2.1 The water consumption shall be as under:
- | Sr. No. | Total Domestic water consumption | Total Industrial water consumption | Total water Consumption |
|---------|----------------------------------|------------------------------------|-------------------------|
| 1       | 04 KL/day                        | 36 KL/day                          | 40 KL/day               |
- 2.2 The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary Industrial operations shall not exceed 0.2 KL/day.



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- 2.3 The quantity of domestic waste water (sewage) generation shall not exceed 02 KL/day.
- 2.4 There shall be no discharge of industrial effluent on land, as the generated effluent shall be completely reuse back in process after due primary treatment. The industry shall adopt complete Zero Liquid Discharge. In no case any industrial/ trade effluent shall be transferred outside the premises or discharged into environment in even unforeseen situation or accidental release.
- 2.5 Sewage shall be disposed of through septic tank/soak pit system.
- 3 CONDITIONS UNDER AIR (PREVENTION AND CONTROL OF POLLUTION) ACT-1981:
- 3.1 The following shall be used as fuel in utilities (after expansion).

Sr. No.	Fuel	Utilities	Total Max. Quantity
1.	Natural Gas	20" Rolling Mill, 12" Rolling Mill, 16" Rolling Mill, & Gas fired Heating Furnace (3 Nos.)	6,30,000 SCM/Month
2.	Electricity	Electric Furnace (2 Nos.)	-
3.	Electricity	Electric Induction Furnace	-

- 3.2 The applicant shall install & operate air pollution control system in order to achieve norms prescribed herewith.
- 3.3 The flue gas emission through stack attached to utilities shall conform to the following standards:

Stack No.	Stack Attached To	Stack Height	Parameter	Permissible Limit
1.	Rolling Mill	33 meter	Particulate Matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM3 100 ppm 50 ppm
2.	12" Rolling Mill	33 meter		
3.	16" Rolling Mill	33 meter		
4.	Gas fired Heating Furnace (3 Nos.)	18 meter		
5.	Electric Furnace (2 Nos.)	NA		

Note: Closed system shall be provided with electric Furnace, Induction furnace, Arc Furnace, Rotary Furnace and pre heating furnaces

3.4 The process gas emission through stack attached to utilities shall conform to the following standards:

Stack No.	Stack Attached To	Stack Height	Air Pollution Control System	Parameter	Permissible Limit
1.	Red Oxide Vessel (2 No.)	11 Meter	Suction Hood & Alkali Scrubber	Particulate matter	150 mg/NM <sup>3</sup>
				HCl	20 mg/NM <sup>3</sup>
2.	Pulveriser Rotary Sump (2 No.)	20 Meter	Bag Filter	Particulate matter	150 mg/NM <sup>3</sup>

Note: Closed system shall be provided with briquetting machine.

- 3.5 There shall be no odorous gaseous emission causing odour nuisance or fugitive emission. Adequate measures shall be taken thereof.
- 3.6 Stack monitoring facilities like port hole, platform/ladder etc., shall be provided with stacks/vents Chimney in order to facilitate sampling of gases being emitted into the atmosphere.
- 3.7 Applicant shall comply with the National Ambient Air Quality Standards notified by Central Pollution Control Board, New Delhi time to time under the provision of the Environment (Protection) Act-1986 for all the parameters. The concentration of all parameters in the ambient air within the premises of the industry and a distance of 10 meters from the source (other than the stack/vent) shall not exceed than the permissible limit. Standards are as pre Annexure-II.
- 3.8 The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. 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.
- 3.9 The Industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
- 3.10 The applicant shall install & operate air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in conditions above.
4. GENERAL CONDITIONS: -
- 4.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.



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- 4.2 Whenever due to accident or other unforeseen act or ever, such emissions occur or is apprehended to occur in excess of standards laid down such information shall be forthwith reported to Board, concerned Police Station, Office of Directorate of Health Service, Department of Explosives, Inspectorate of Factories and local body. In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial actions/measures shall be implemented immediately to bring entire situation normal.
- 4.3 In order to enable the board to perform its functions of ascertaining the standards of effluent laid down by it for the discharge of the effluent under the conditions of this order are complied with by the company while causing discharge of effluent, the applicant shall have to submit every month the analysis report of the samples of effluent got collected and analyzed by one of the laboratories recognized by the state Board.
- 4.4 The Environmental audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year (if applicable).
- 4.5 The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems, fit in accordance with Section 27 of the Act.
- 4.6 In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.

5. **AUTHORISATION UNDER HAZARDOUS & OTHER WASTES (MANAGEMENT & HANDLING & TRANS BOUNDRY MOVEMENT) 'RULES-2016:**

**FORM FOR GRANT OR RENEWAL OF AUTHORISATION TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES**

1. Number of authorization AWH-121523 and date of issue: 19/09/2022.
2. Reference of application no. 262581 and date 20/08/2022.
3. Occupier/ Operator of M/s Mangalam Alloys Ltd, Unit-3 situated at Plot No. 3243,3246,3247,96/P3,98/P1, Phase-III, GIDC Chhatral-382729, Tal: Kalol, Dist: Gandhinagar is hereby granted an authorization based on the signed inspection report for generation, collection, storage, transport, disposal facilities as under:

Sr. No	Type of Hazardous Waste	Category of Waste	Total	Disposal Method
1.	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	33.1/ Schedule-I	420 No./ Year	Collection, Storage, Transportation, and Disposal by selling to authorized decontamination facility.

2.	Used Oil	5.1/ Schedule-I	1.5 KL/ Year	Collection, Storage, transportation and disposal by Selling to registered recycler.
3.	Oil Contamination/Cotton Waste	33.2/ Schedule-I	0.5 MT/ Year	Collection, Storage, transportation and disposal to authorized CHWIF of M/s. Saurashtra Enviro Projects Pvt. Ltd., Kutch.

4. The authorization shall be valid for a period of 28/01/2027.

5. The authorization is subject to the following general and specific conditions.

**A. GENERAL 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, 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.



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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.
- B. Specific conditions:
1. The waste generator shall be totally responsible for (i.e. collection, storage, encapsulation, incineration, treatment, transportation and ultimate disposal) of the wastes generated.
  2. Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form – 4 by 30th day of June of every year for the preceding period April to March.
  3. In case of any accident, details of the same shall be submitted in Form –11 to Gujarat Pollution Control Board.
  4. As per “Public Liability Insurance Act - 91 “company shall get Insurance Policy, if applicable.
  5. Empty drums and containers of toxic and hazards material shall be treated as per Standard Operating Procedure published by the Central Pollution Control Board, New Delhi. Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
  6. Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Action taken in this regards shall be submitted within three months and also along with Form-4.
  7. Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Courts Order in W.P. No.657 of 1995-dated 14<sup>th</sup> October-2016.
  8. Applicant shall obtain membership of authorized operational (active) TSDF/ CHWIF or authorized hazardous waste treatment and disposal facility (as applicable to the nature of wastes) within a period of 90 days without fail. In case of closure of existing facility, a copy of the membership of active facility shall be submitted to the Board seeking amendment in the authorization.

9. The inspection report based on which authorization is granted can be viewed by industry on GPCB XGN Portal on industry's XGN account.
10. 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".

**For and on behalf of  
Gujarat Pollution Control Board**

*Dipali Tank*

**(Dipali Tank)  
Environment Engineer**

Enclosure:- Annexure I & II. (Sent with physical copy.)

NO.GPCB/CCA-GNR-543(2)/ID-32859/ 686780 /Date: 19 /10/2022

**Issued to:-**

**M/s. Mangalam Alloys Ltd, Unit-3,  
Plot No. 3243,3246,3247,96/P3,98/P1,  
Phase-III, GIDC Chhatral-382729,  
Tal: Kalol, Dist: Gandhinagar.**