



GUJARAT POLLUTION CONTROL BOARD

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

By R.P.A.D

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)

CCA NO: AWH-126695 Appl Type: CCA-Renewal

NO: GPCB / RAJ / CCA- RJ-2100/ ID- 27616/

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 6(2) of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the Environment (Protection) Act-1986.

And whereas Board has received consolidated application dated 05/04/2023 and inward No.273671 for the Consolidated Consent and Authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consolidated Consent & Authorization is hereby granted as under.

CONSOLIDATED CONSENT AND AUTHORIZATION:

(Under the provisions / rules of the aforesaid Environmental Acts)

To,

M/s. Cast & Alloys

Plot No: PLOT NO. G-1616/1617 GIDC METODA, VILLMETODA METODA

GIDC Estate: Metoda Town: METODA

Taluka: Lodhika, Dist: Rajkot PIN: 360021

1. Consent Order No.: AWH-126695 date of issue 03/06/2023
2. The consent under Water Act-1974, Air Act-1981 & Authorization under Environment (Protection) Act, 1986 shall be valid up to 13/03/2028 to operate industrial plant for manufacturing of the following products.

Sr. No.	List of Products	Quantity	Unit Per Month	CAS No.	Remark
1	Anodizing	800	Sq.Ft/Day		
2	Trivalent Chromatizing	800	Sq.Ft/Day		
3	aluminium forging	50	MT/Month		
4	aluminium piston, auto connecting rod, auto parts & aluminium casting	100	MT/Month		

3. CONDITION UNDER THE WATER ACT:

SPECIFIC CONDITION:

unit is having Electric heat treatment furnace (Cap-400 Kg). Electric Annealing furnace (400 Kg).-2-nos. Electric heating furnace. Burner (6-Nos), Components Cleaning Machine, Electric Oven were in closed system hence not shown in consent order so mention stack height 1 meter.

3.1 The quantity of total water consumption shall not exceed 4.10 KL/Day as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.

- a) Industrial: 2.10 KL/Day
- b) Domestic: 2.00 KL/Day

3.2 Source of water : Borewell

3.3 The quantity of total waste water generation shall not exceed 1.60 KL / Day as per below break up as mentioned in form D submitted for consent application under the Water Act- 1974.

- a) Industrial: 0.10 KL/Day
- b) Domestic: 1.50 KL/Day

3.4 Industrial effluent management:

a) Mode of disposal of treated industrial effluent: **Industrial effluent disposed at CETP**

b) Description for treated industrial effluent disposal: **Unit has provided primary ETP (Collection tank, Neutralization tank, Filter press and final treated w/w holding tank.). After primary treatment w/w is disposed to M/s. jay Khodiyar Enviro Technologies Pvt. Ltd.**

c) The quality of industrial effluent shall conform to the following standards (as per GPCB norms. whichever is applicable).

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
1	pH	Up to 5
2	Temperature	40 degree C
3	Colour (pt.co.scale)in units	200 units
4	Suspended Solids	250 mg/l
5	Oil and Grease	20 mg/l
6	BOD (5 days at 20 degree C)	100 mg/l
7	COD	250 mg/l
8	Chlorides	1500 mg/l
9	Sulphates	3000 mg/l
10	Fix dissolved Solids	2100 mg/l
11	Nickle	100 mg/l
12	Zinc	100 mg/l
13	Hexavalent Chromium	50 mg/l
14	Total Chromium	5 mg/l
15	Copper	15 mg/l
16	Lead	1 mg/l
17	Cadmium	10 mg/l
18	Cyanides	1 mg/l
19	Arsenic	1 mg/l

3.5 Domestic sewage management:

a) Mode of disposal of treated domestic sewage: **into soak pit/Septic tank**

b) Description for treated domestic sewage disposal: **Domestic effluent is discharge into soak pit/septic tank.**



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GPCB

- 3.6 The applicant shall provide acid proof brick lined impervious tanks of adequate capacity store effluent for at least 48 hours.
- 3.7 The applicant shall provide fixed arrangement for loading the effluent from their collection tanks to the tanker of CETP. The unit shall not keep any by-pass line or system or loose or flexible pipe line for loading the effluent into the tanker of CETP.
- 3.8 Leach ate from the hazardous waste, if any, shall also be collected into a collection tank through leach ate collection facilities and shall be conveyed along with industrial effluent to the CETP of M/s. Jay Khodiyar Enviro technology Pvt. Ltd, Rajkot, for further treatment.
- 3.9 Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks to measure the quantity of effluent lifted into the tanker of CETP.
- 3.10 The ENTIRE quantity of industrial effluent shall have to be conveyed to CETP. In no circumstances the effluent either treated or untreated shall be discharged into drain or anywhere else.
- 3.11 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
- 3.12 The applicant shall be responsible for loading its effluent into the tankers of the CETP for transporting the effluent. Due care shall be taken to avoid any leakage or spillage of effluent during loading the tanker.
- 3.13 The applicant shall keep accurate records of quantity of production of each product, quantity of water consumption, and effluent generation and transported on day to day basis and required to submit the complied record every month to GPCB & CETP on or before fifth day of the succeeding month.
- 3.14 In case of shut-down of plant for more than three days for any reason, the member unit shall intimate to CETP authority & GPCB well in advance for the better operation & management of CETP.
- 3.15 The applicant shall either stop or curtail its production activities if the effluent is not adequately treated by the CETP to conform to the standards specified by G.P.C.B.
- 3.16 The authorized representative of CETP shall have right of entry at any time for the purpose of inspection and monitoring of the effluent collection facilities/ETP (if required) of the applicant.
- 3.17 If the CETP authority terminates the membership of CETP, the CETP member unit shall have to close down the manufacturing activities/industrial operation of the process plant immediately until the CETP membership is resumed.
- 3.18 The applicant shall also comply with the General Condition (Whichever applicable from No. 1 to 25) attached herewith.
- 3.19 The applicant shall put up at the entrance a board displaying CETP membership number with valid by & date of joining of CETP, the name of unit, particulars of the products/ process

and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of GEB.

3.20 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issued. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.

3.21 The Board reserves the right to revoke and/or revoke the consent and / or make modifications in the conditions which it deems fit in accordance with provisions of Water Act-1974.

3.22 In case of change of ownership/management the name and address of the new ownership/partners / directors/proprietor should immediately be intimate to the Board.

3.23 The applicant shall have to submit EVERY MONTH the certified copies of challans (endorsed by CETP) regarding the quantity of industrial effluent (No. of Tankers) delivered per month to CETP.

3.24 Treated effluent conforming to the above norms shall be send to Jay Khodiyar Environ. Technologies Pvt. Ltd-CETP.

4.CONDITIONS UNDER THE AIR ACT:

4.1 Unit shall use fuel as specified in this consent and the flue gas emission through stack shall conform to the following standards:

S-1	67715	Furnace	4- elect.melting cum holding furnace	Electricity	4000 unit/day	Dust Collector, Hood Cover	12	PM-150 mg/Nm3, SO2-100 PPM, NOX-50 PPM
S-2	67716	Furnace	01-elect heat treatment furnace, closed system	Electricity	2000 unit/day	Not Applicable	1	PM-150 mg/Nm3, SO2-100 PPM, NOX-50 PPM
S-3	67717	D.G. Sets	325 KVA standby	Diesel	50 lit/month	Not Applicable	9	PM-150 mg/Nm3, SO2-100 PPM, NOX-50 PPM
S-4	88222	Furnace	01-elect. annealing furnace (400 Kg), closed system	Electricity	2000 unit/day	Not Applicable	1	PM-150 mg/Nm3, SO2-100 PPM, NOX-50 PPM



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S-5	88223	Furnace	O2-clect heating furnace, closed system	Electricity	Electricity -2000 unit/day	Not Applicable	1	PM-150 mg/Nm3, SO2-100 PPM, NOX-50 PPM
S-6	88224	... Any Other	6 nos. Burners, closed system	L.P.G	LPG/CNG-500 kg/month	Not Applicable	1	PM-150 mg/Nm3, SO2-100 PPM, NOX-50 PPM
S-7	88225	... Any Other	Component Cleaning Machin, closed system	Not Used/N.A	0	Not Applicable	1	PM-150 mg/Nm3, SO2-100 PPM, NOX-50 PPM
S-8	88380	*** Not Applicable	Electric Ovens - Closed System-no stack	Electricity	Electricity -500 unit/day	Not Applicable	1	PM-150 mg/Nm3, SO2-100 PPM, NOX-50 PPM

4.2 The Process emission through various stacks/ vent of reactors, process, vessel shall conform to the following standards.

V-1	165204	... Any Other	Anodizing tank	Alkali Scrubber	8	
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4.3 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

1	Particulate Matter (PM10)	60	100
2	Particulate Matter (PM2.5)	40	60
3	Sulphur Dioxide (SO2)	50	80
4	Nitrogen Dioxide (NO2)	40	80

a. Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

b. 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

4.4 The application shall install & operate air pollution control system in order to achieve norms prescribed above.

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 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.

4.6 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 75dB(a) during day time and 70 dB (A) during night time. Daytime is

reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

5. AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2))

5.1 Number of authorization: AWH-126695 date of issue 03/06/2023, Valid upto 13/03/2028

5.2 M/s. Cast & Alloys is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at Plot No: PLOT NO. G-1616/1617, GIDC METODA, VILL-METODA, METODA, GIDC Estate: Metoda, Town: METODA, Taluka: Lohika, Dist: Rajkot.

1	Discarded Containers / Barrels / Liners contaminated with Hazardous Wastes/Chemicals	I	33.1	1.00	Collection, Storage, Disposal by recovery within plant premises, Disposal at authorized TSDF site having valid CCA	collection, storage and sent back to supplier of raw materials
2	Used Spent Oil	I	5.1	0.10	Collection, Storage, Disposal by reuse within plant premise, Disposal by recovery within plant premises	collection, storage and reused as a lubricant in our machinery parts or sell to registered recycler.
3	Oily Rags	X	X13	3.00	Collection, Storage, Disposal by recovery within plant premises, Disposal at authorized TSDF site having valid CCA	collection, storage and disposal-sale or sell to registered recycler.
4	Chemical sludge from waste water treatment	I	35.3	1.00	Collection, Storage, Transportation, Disposal at authorized site by environment sound manner	Collection, Storage, Transportation and Sent to CETP with Effluent.

5.3 The authorization shall be valid up to validity mentioned in this order.

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 The authorization is granted to operate a facility for collection, storage within factory



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~~premises transportation and ultimate disposal of Hazardous wastes as per condition No.5.1 to the TSDF site having valid authorization of this Board.~~

5.6 TERMS AND CONDITIONS OF AUTHORISATION

5.5.1. The applicant shall comply with the provisions of the Environment (Protection) Act-1986 and the rules made there under.

5.5.2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.

5.5.3. The persons authorized shall not rent, lend, sell, and transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.

5.5.4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.

5.5.5. 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;

5.5.6. 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 Wastes and Penalty"

5.5.7. It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.

5.5.8. An application for the renewal of an authorization shall be made as laid down in rules 6(2) under Hazardous Waste and Other Waste Rules, 2016.

5.5.9. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.

5.5.10. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

5.5.11. The hazardous and other wastes 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.

5.5.12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.

5.5.13. 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.

5.5.14. The waste generator shall be totally responsible for (i.e. collection, storage, transportation and ultimate disposal) the wastes generated.

- 5.5.15. 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.
- 5.5.16. In case of any accident, details of the same shall be submitted on Form-11 to Gujarat Pollution Control Board.
- 5.5.17. As per "Public Liability Insurance Act-91" company shall get Insurance Policy, if applicable.
- 5.5.18. Empty drums and containers of toxic and hazard 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.
- 5.5.19. In case of transport of hazardous wastes to a facility for (i.e. treatment, storage and disposal) existing in a State other than the State where hazardous wastes are generated, the occupier shall obtain 'No Objection Certificate' from the State Pollution Control Board or Committee of the concerned State of Union Territory Administration where the facility exists.
- 5.5.20. Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Actions taken in this regard shall be submitted within three months and also along with Form-4.
- 5.5.21. Industry shall have to display the relevant information with regards to hazardous waste as indicated in the Hon. Supreme Court's Order in W.P. No.657 of 1995 dated 14th October, 2003.
- 5.5.22. 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 wastes generated within the factory premises.

6 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. Applicant shall also comply with the general conditions given in annexure I.
- 6.3. 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.
- 6.4. 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.
- 6.5. The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environmental safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell/Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These cells/units also coordinate the exercise of environmental audit and preparation of environmental statements.



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6.6. ~~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 June every year.

6.7. 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.

6.8. 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.

6.9. Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme order in w.p. no. 657 of 1995 dated 14th October 2003.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

N.A. Shah
3/6/23

(N.A. Shah)

Unit Head, Rajkot