



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

**By RPAD**

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 the Hazardous and Other Waste (Management and Transboundary Movement) Rules'2016, framed under the Environment (Protection) Act-1986.

And whereas Board has received on line consolidated application **inward ID No: 257666 dated 14/06/2022** for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

## CONSENT AND AUTHORISATION:

(Under the provisions / rules of the afore said environmental acts)

To,

M/s. Chandan Steel Ltd. (Unit-1)

Plot No: 32, 33B, 35, 36,

GIDC Umbergaon,

Ta: Umbergaon,

Dist: Valsad – 396 171.

1. Consent Order No: AWH-120160 Date of Issue: 15/07/2022

2. The consent shall be valid up to **30/06/2027** for the use of outlet for the discharge of treated effluent and emission due to operation of industrial plant for the following products:

| Sr. No | Name of Product                              | Quantity                     |
|--------|----------------------------------------------|------------------------------|
| 1      | Stainless Steel billets from stainless scrap | 5000 MT/Month                |
| 2      | Nitrogen                                     | 3 lacs M <sup>3</sup> /Month |
| 3      | Oxygen                                       | 5 lacs M <sup>3</sup> /Month |

## SUBJECT TO FOLLOWING SPECIFIC CONDITIONS:

1. Industry shall comply with the conditions of EC given by MOEF dated 16/03/2012.
2. Industry shall provide STP within three months.

### 3. CONDITIONS UNDER WATER ACT 1974:

3.1 Source of water: GIDC Water Supply.

3.2 The quantity of total fresh water consumption shall not exceed **260 KL/Day** as per break up mentioned

a) Industrial: **216 KL/Day**

b) Domestic: **44 KL/Day (Domestic 24 KL/day + Gardening 20 KL/Day)**

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3.3 The quantity of total of waste water generation shall not exceed 24 KLPD as per below break up

- a) Industrial: Nil.
- b) Domestic: 24 KL/Day.

#### **Trade Effluent**

3.4 Generated industrial effluent from cooling water shall be partly utilized for dust suppression and partly shall be evaporated to achieve zero liquid discharge.

3.5 The GIDC drainage connection given by the GIDC for discharge of industrial effluent shall be disconnected & the outlet shall be sealed.

3.6 The quality of the treated sewage shall conform to the following standards:

| PARAMETERS            | PERMISSIBLE LIMIT |
|-----------------------|-------------------|
| pH                    | 6.5 to 9.0        |
| BOD (5 days at 200 C) | 30 mg/L           |
| Suspended Solids      | 100 mg/L          |
| Fecal Coliform        | 1000 MPN/ 100 ml  |

3.7 Treated sewage conforming to above standards shall be discharged on for gardening/ plantation within premises.

3.8 Industry shall provide fixed pipeline network with flow meter for even distribution of treated sewage & maintain its record.

3.9 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.

#### **4. CONDITIONS UNDER AIR ACT 1981:**

4.1 Following shall be used as fuel:

| Sr. No. | Utility                                                 | Fuel              | Quantity    |
|---------|---------------------------------------------------------|-------------------|-------------|
| 1       | Induction furnace with two crucibles (18 MT capacities) | Electricity       | 3000 KVA    |
| 2       | AOD convertor                                           | Oxygen & Nitrogen | 710 M3/hour |

4.2 The applicant shall install & operate comprehensive adequate air pollution control system in order to achieve prescribed norms.

4.3 The flue gas emission through stack attached to stack shall conform to the following standards:

| Sr. No. | Stack attached to                                       | Stack height in meter | APCM                                                           | Parameters                   | Permissible limit                           |
|---------|---------------------------------------------------------|-----------------------|----------------------------------------------------------------|------------------------------|---------------------------------------------|
| 1       | Induction furnace with two crucibles (18 MT capacities) | 30                    | Movable hood over crucible & Bag House                         | PM<br>SO <sub>2</sub><br>NOx | 150 mg/Nm <sup>3</sup><br>100 ppm<br>50 ppm |
| 2       | AOD convertor 25 Tones/Batch                            | 30                    | Common Bag House with AOD convertor & gases extraction system. |                              |                                             |



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4.4 There shall be no process emission from the manufacturing process as well as any other ancillary operations.

4.5 Ambient air quality within the premises of the industry shall conform to the following standards:-

| PARAMETERS                                   | PERMISSIBLE LIMIT           |                              |
|----------------------------------------------|-----------------------------|------------------------------|
|                                              | Annual                      | 24 Hrs Average               |
| Particulate Matter-10 (PM <sub>10</sub> )    | 60 Microgram/m <sup>3</sup> | 100 Microgram/m <sup>3</sup> |
| Particulate Matter- 2.5 (PM <sub>2.5</sub> ) | 40 Microgram/m <sup>3</sup> | 60 Microgram/m <sup>3</sup>  |
| SO <sub>2</sub>                              | 50 Microgram/m <sup>3</sup> | 80 Microgram/m <sup>3</sup>  |
| NO <sub>x</sub>                              | 40 Microgram/m <sup>3</sup> | 80 Microgram/m <sup>3</sup>  |

## 5. AUTHORIZATION UNDER THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016

5.1 M/s. Chandan Steel Ltd. (Unit-1) is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at Plot No: 32, 33B, 35, 36, GIDC Umbergaon, Ta: Umbergaon, Dist: Valsad – 396 171.

| Sr. No. | Waste Name                                                                         | Schedule & Cat | Quantity per Year | Mode of disposal                                                                                             |
|---------|------------------------------------------------------------------------------------|----------------|-------------------|--------------------------------------------------------------------------------------------------------------|
| 1       | Process waste Metallic oxide waste from bag filter, AOD and Induction furnace      | IV-13.1        | 10800 MT/Year     | Collection, Storage, Transportation & Disposal to tiles/bricks manufacturing units or to approved TSDF Site. |
| 2       | Empty barrels / containers / liners contaminated with hazardous chemicals / wastes | I-33.1         | 50 MT/Year        | Collection, Storage, Transportation and Disposal by selling to register recycler.                            |
| 3       | Used Oil                                                                           | I-5.1          | 3.280 MT/Year     | Collection, Storage, Transportation and Disposal by selling to register recycler.                            |

5.2 The authorization shall be valid up to 30/06/2027.

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

## 6. GENERAL CONDITIONS UNDER HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES-2016.

6.1 The Authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

6.2 The Authorization or its renewal shall be produced for inspection at the request of an officer Authorized by the State Pollution Control Board.

M/s. Chandan Steel Ltd. (Unit-1) (ID: 23266) Page 3 of 5

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- 6.3 The person Authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- 6.4 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.
- 6.5 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;
- 6.6 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"
- 6.7 It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
- 6.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 6.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 6.10 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.
- 6.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if any
- 6.12 An application for the renewal of an authorization shall be made as laid down under these Rules.
- 6.13 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.
- 6.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

## **7. SPECIFIC CONDITIONS (WHICHEVER IS APPLICABLE)**

- 7.1 The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.
- 7.2 Handing over of the hazardous and other wastes to the authorized actual user shall be only after making the entry into the passbook of the actual user.
- 7.3 In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.



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- 7.4 The occupier of the facility shall comply Standard operating procedure/ guidelines published by MoEF&CC or CPCB or GPCB from time to time.
- 7.5 Unit shall comply provisions of E-Waste (Management) Rules, 2016.

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

(M. V. Patel)

**Environment Engineer**

**No: GPCB/CCA-SRG-43(2)/ID: 23266/ 678963**

**Date: 26/07/2022**

ISSUED TO:

M/s. Chandan Steel Ltd. (Unit-1)

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Ta: Umbergaon,

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ID-23266