

FORM- V
Year 2024 - 2025

ENVIRONMENTAL STATEMENT REPORT FOR Year 2024-25

M/s RSPL LIMITED,
(Soda Ash Plant)
Survey No. 471, Near Marvelore Mining & Allied Industries Pvt. Ltd.,
Dwarka-Porbandar Highway,
Village-Kuranga, District- Devbhumi Dwarka,
Gujarat – 361315

PART- A

| | | |
|--|---|--|
| (i) Name and address of the owner Occupier of the Industry, operation or process | : | Mr. Nareshkumar H. Phoolwani 43/A, Dabauli Ratan, Ratanlal nagar, Kanpur, Uttar Pradesh - 208022 |
| (ii) Date of the last environmental Audit report submitted | : | 25.07.2024 |
| (iii) Production Capacity | : | Light Soda Ash:1500 TPD |
| (iv) Year of Establishment | : | October, 2018 |

PART- B

WATER AND RAW MATERIAL CONSUMPTION

(i) Water consumption m³/d

| | | |
|------------------|---|--|
| Cooling + Boiler | : | 4,59,860 m ³ /day (Average) |
| Domestic | : | 34 m ³ /day (Average) |
| Process | : | 11,230 m ³ /day (Average) |

| Name of Products | Water consumption per unit of Products | |
|-------------------------|---|--|
| | During the previous Financial Year | During the Current Financial Year |
| Soda Ash | 367 | 383 |

(ii) Raw Material Consumption

| Name of raw material consume | Name of products | Consumption of raw material Per MT of Soda Ash |
|-------------------------------------|-------------------------|---|
| Salt | | 1.68 |
| Lime Stone | | 1.28 |
| Coke | | 0.083 |
| Coal | | 0.689 |
| Ammonia | | 0.00307 |
| Sodium Sulphide | | 0.00112 |

Remarks:- Consumption of raw material is calculated based on the number of operating days i.e. 361 during the financial year 2024-2025.

PART- C

Pollution discharges to environment/unit of output

(Parameter as specified in the consent issued)

| Pollution | Quantity of Pollutants Discharged (Tonnes/day) | Average Concentration of Pollutants discharges (Mass/Volume) | Percentage of variation from prescribed standards | |
|--|--|--|---|--|
| Discharged Water | | | | |
| Treated Effluent Discharged quantity. | 463117 M ³ /Day | | | |
| 1) T.S.S. | 250.00 | 540 mg/l | Effluent discharge parameters are within the GPCB prescribed limit. | |
| 2) Ammoniacal Nitrogen | 0.77 | 1.66 mg/l | | |
| Air | | | | |
| a) For Boiler Stack | | | | |
| 1) PM | 0.25 | 21.9 mg/Nm ³ | Air Emission parameters are within the GPCB prescribed limit. | |
| 2) SO _x | 0.78 | 67.58 mg/Nm ³ | | |
| 3) NO _x | 0.10 | 8.41 mg/Nm ³ | | |
| b) For Process Vent | | | | |
| i) Lime Grinding | | | | |
| 1) PM | 0.10 | 28.08 mg/Nm ³ | | |
| ii) Ammonia Recovery System | | | | |
| 1) NH ₃ | 0.09 | 2.99 mg/Nm ³ | | |
| iii) Filtration & Calcination | | | | |
| 1) NH ₃ | 0.10 | 3.45 mg/Nm ³ | | |

PART- D
HAZARDOUS WASTES

| Hazardous Wastes | Total Quantity (Kg)* | |
|--|------------------------------------|-----------------------------------|
| | During the previous financial year | During the current financial year |
| From process | | |
| Used Oil | 7757 | 5860 |
| Discarded Containers | 979 | 500 |
| Spent Resins | NIL | NIL |
| From pollution Control Facilities | NIL | NIL |

Note-* Disposal Quantity

PART- E
SOLID WASTES

| | During the Previous Financial Year (MT) | During the Current Financial Year (MT) |
|---|---|--|
| From Pollution Control Equipment | | |
| Fly Ash | 59747 | 51529 |
| Bottom Ash | 3719 | 4030 |

Note- Disposal Quantity

PART- F

Please specify the characterizations (in terms of composition of quantum) of Hazardous as well solid waste and indicate disposal practice adopted for both these categories of wastes.

| Sr. No. | Waste | Composition | Disposal |
|------------------------|----------------------|-----------------|---|
| Hazardous Waste | | | |
| 1 | Used oil | Hydrocarbon | Used oil generated is being sold to GPCB Authorized Recycler/ Reprocesses. |
| 2 | Discarded Containers | MS and PVC | Discarded containers are being sold to GPCB Authorized Recycler. |
| Solid Waste | | | |
| 3 | Fly Ash/ Bottom Ash | Un-burnt Carbon | Fly Ash/Bottom Ash is being sent to nearby cement industry (Shree Digvijay Cement Company Ltd., Saurashtra Cement Ltd., Tarun Enterprises, Samay Trading) for utilization. Remaining Fly Ash is being utilized in construction of roads through third party (M/s. Manek Global Infra). Fly ash handling guidelines are being complied with. |

PART- G

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

- The fly ash generated is being sold to nearby Cement industry for utilization and remaining Fly Ash is being utilized in construction of roads through third party
- Limestone dust and the under-size limestone are being used in boilers for desulphurization of the gases.
- Coke/Coal dust extracted is being recovered and used in the boilers/kilns.

PART- H

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

- Three rainwater harvesting ponds (~7.6 lac m³) have been constructed within the plant site. Collected water is being utilized in Greenbelt Development activities.

| Sl. No. | Particulars | Volume (m ³) |
|--------------|-------------|--------------------------|
| 01. | Reservoir-1 | 258207 |
| 02. | Reservoir-2 | 395854 |
| 03. | Reservoir-3 | 109760 |
| Total | | 763823 |

- STP treated water and sewage is also being utilized in Greenbelt Development within the plant premises.
- Greenbelt is being developed in phase wise manner along the plant boundary, along the internal roads, near workshop area, ammonia storage area, near offices, sub-station 2, south side of Utility etc. Plantation in about 98 ha. has been completed till date. Plants having different species such as *Saru*, *Neem*, *Peltophorum*, *Paras Piplo*, *Gulmohar*, *Pongamia pinnata*, *Royal-palm*, *Nerium oleander*, *Cascabela thevetia*, *Threvetiya*, *Kaseed*, *Bamboo*, *Australian Babool*, *Bougenvellia*, *Clerodendrum inerme*, etc. have been planted. Further, Nursery has also been developed to accommodate about 30,000 plants saplings
- Drip irrigation system has been installed in 84 ha to reduce the wastage of water. Further treated STP water is utilized in plantation area.

PART- I

Any other particulars in respect of environmental protection and abatement of pollution.

Not Applicable

Place: Kuranga, Dist. Devbhumi Dwarka

Date : 09.05.2025

