

**ENVIRONMENTAL STATEMENT REPORT FOR Year 2023-24**

**M/s RSPL LIMITED,  
(Soda Ash Plant)  
Survey No. 471,  
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<br>43/A, Dabauli Ratan, Ratan Lal<br>Nagar, Kanpur, UP - 208022 |
| (ii) Date of the last Environmental Audit Report Submitted                        | : | 30.06.2023   |
| (iii) Production Capacity   | : | Soda Ash: 1500 TPD   |
| (iv) Year of Establishment  | : | October, 2018  |
| (v) Last Environmental Statement Submitted  | : | 02.07.2023   |

## PART- B

### WATER AND RAW MATERIAL CONSUMPTION

(i) **Water consumption m<sup>3</sup>/d**

Cooling+Boiler : 4,68,845.09 m<sup>3</sup> / day (Average)

Domestic : 29.60 m<sup>3</sup> / day (Average)

Process : 19574.45 m<sup>3</sup>/ day (Average)

Name of Products	Water consumption per unit of Products	
	During the previous Financial Year	During the Current Financial Year
Soda Ash	355.78	367.24

(ii) **Raw Material Consumption**

Name of raw material consume	Name of products	Consumption of raw material Per MT of Soda Ash
Salt	Light Soda Ash	1.724
Lime Stone		1.231
Coke		0.08008
Coal		0.662522
Ammonia		0.00268
Sodium Sulphide		0.000863

Remarks:- Consumption of raw material is calculated based on the number of operating days i.e. 363 during the financial year 2023-2024.

## 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
<b>Discharged Water</b>			Effluent discharge parameters are within the GPCB prescribed limit.
<b>Treated Effluent Discharged quantity.</b>	483886.90 KLD		
1) T.S.S.	343.56	710 mg/l	
2) Ammoniacal Nitrogen	1.43	2.97 mg/l	
<b>Air</b>			Air Emission parameters are within the GPCB prescribed limit.
<b>a) For Boiler Stack</b>			
1) PM	0.16	27.0 mg/Nm <sup>3</sup>	
2) SO <sub>x</sub>	0.48	83.5 mg/Nm <sup>3</sup>	
3) NO <sub>x</sub>	0.11	19.98 mg/Nm <sup>3</sup>	
<b>b) For Process Vent</b>			
<b>i) Lime Grinding</b>			
1) PM	0.0065	53 mg/Nm <sup>3</sup>	
<b>ii) Ammonia Recovery System</b>			
1) NH <sub>3</sub>	6.0	30 mg/Nm <sup>3</sup>	
<b>iii) Filtration &amp; Calcination</b>			
1) NH <sub>3</sub>	0.15	7.61 mg/Nm <sup>3</sup>	

**PART- D**

**HAZARDOUS WASTES**

<b>Hazardous Wastes</b>	<b>Total Quantity (Kg)</b>	
	<b>During the previous financial year</b>	<b>During the current financial year</b>
<b>From process</b>		
Used Oil	8740	7757
Discarded Containers	220	979
Spent Resins	NIL	NIL
<b>From pollution Control Facilities</b>	NIL	NIL

**PART- E**

**SOLID WASTES**

<b>TOTAL QUANTITY (MT)</b>		
	<b>During the Previous Financial Year</b>	<b>During the Current Financial Year</b>
<b>From Pollution Control Equipment</b>		
Fly Ash	69480 MT	59747.13 MT



## 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.
2	Discarded Containers	MS and PVC	Discarded containers are being sold to GPCB authorized recycler.
Solid Waste			
1	Fly Ash	Un-burnt Carbon	Fly Ash is being sent to nearby cement industry (Shree Digvijay Cement Company Ltd., Saurashtra Cement Ltd., and through 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 m<sup>3</sup>) have been constructed within the plant site. Collected water is being utilized in Greenbelt Development activities.

Sl. No.	Particulars	Volume (m <sup>3</sup> )
01.	Reservoir-1	258207
02.	Reservoir-2	395854
03.	Reservoir-3	109760
<b>Total</b>		<b>763823</b>

- 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 95 ha. has been completed till date. Plants having different species such as *Saru*, *Neem*, *Peltophorum*, *Paras Piplo*, *Gulmohar*, *Pongamia pinnata*, *Royal-palm*, *Nerium oleander*, *Cascabelathevetia*, *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 76 ha to reduce the wastage of water. Further treated STP water is utilized in plantation area.

## PART- I

### Any other particulates in respect of environmental protection and abatement of pollution.

Not Applicable

Place: Ahmedabad

Dated: 11/07/2023

For M/s. RSPL Limited

  


Mr. Sunil Budh  
(Plant Head)