

ENVIRONMENTAL STATEMENT REPORT FOR Year 2022-23

**M/s RSPL LIMITED,
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 : Mr. Nareshkumar H. Phoolwani
Occupier of the Industry, operation : Shyam Vatika, Swaroop Nagar,
or process Kanpur-208002
- (ii) Date of the last environmental : 30.06.2023
Audit report submitted
- (iii) Production Capacity : Soda Ash – 1500 TPD
- (iv) Year of Establishment : October,2018
- (v) Last Environment Statement : 30.06.2022
Submitted

PART- B

WATER AND RAW MATERIAL CONSUMPTION

(i) **Water consumption m³ /d**

Cooling : 426268.70 m³ / day (Average)

Boiler : 3419.26 m³ / day (Average)

Domestic : 36.15 m³ / day (Average)

Process : 7978.29 m³ / day (Average)

Name of Products	Water consumption KL per unit ton of Products	
	During the previous Financial Year	During the Current Financial Year
Soda Ash	333.99	367.98

(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	1.740
Lime Stone		1.180
Coke		0.082
Coal		0.656
Ammonia		0.0031
Sodium Sulphide		0.0011

Remarks: - Consumption of raw material is calculated based on the number of operating days i.e. 362 during the financial year 2022-23.

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			Effluent discharge parameters are within the GPCB prescribed limit.
Treated Effluent Discharged quantity.	437156.22 KLD		
1) pH	-	8.51 units	
2) T.S.S.	291.58	667 mg/l	
3) Ammonical Nitrogen	1.0	2.29 mg/l	
Air			Air Emission parameters are within the GPCB prescribed limit.
a) For Boiler Stack			
1) PM	0.18	19.92 mg/Nm ³	
2) SO ₂	0.63	70.41 mg/Nm ³	
3) NO _x	0.012	10.32 mg/Nm ³	
b) For Process Vent			
i) Lime Grinding			
1) PM	0.014	32.06 mg/Nm ³	
ii) Ammonia Recovery System			
1) NH ₃		4.19 mg/Nm ³	
iii) Filtration & Calcination			
1) NH ₃		1.19 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	11810	8740
Discarded Containers	1200	220
Spent Resins	NIL	NIL
From pollution Control Facilities	NIL	NIL

PART- E

SOLID WASTES

TOTAL QUANTITY (MT)		
	During the Previous Financial Year	During the Current Financial Year
From Pollution Control Equipment		
Fly Ash	76326	69480

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
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.
3	Fly Ash	Un-burnt Carbon	Fly 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 51 hectare 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 50000 plants saplings
- Drip irrigation system has been installed in 95.29 acre 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: Village Kuranga, District Devbhumi Dwarka.

For M/s. RSPL Limited



Dated: 02/07/2023

Authorized signatory

