

0-49

Name of the unit	Transpek Silox Industry P. Ltd.
Address	Plot No. 79/6, Dinyamirza Industrial Estate, Karajgam, Silvassa.
Area	Karajgam
Category	II
Applied for	Operate under Water Act and Air Act.
Consent granted for	Establish under Water Act and Air Act for manufacturing of "Zinc Dust Present 22000 MTPA + Proposed 6000 TPA = 28000 MTPA".
Validity of Previous issued consent upto	31/01/2018

Sr. No.	Documents required	Submitted
1.	Application in Form XIII under Water Act.	Yes, at (C/1077)
2.	Application in Form I under Air Act.	Yes, at (C/1071)
3.	Declaration giving details of capital investment including land, building and plant & machinery without description.	Yes, at (C/1093)
4.	Consent fees under Water Act and Air Act.	Yes, Rs. 45,000/- at (C/1073)
5.	Environment statement in FORM V.	Not Submitted
6.	Authorization to handle hazardous waste and industry data sheet.	Yes, at (C/1053)
7.	Copy of hazardous waste manifest in Form 10.	
8.	Copy of membership of common TSDF.	Yes, at (C/999)
9.	Copy of analysis of treated effluent.	Not Applicable
10.	Copy of stack monitoring report and ambient air quality monitoring report.	Yes, at (C/1033)

Effluent discharge with quantity

	Consumption	Discharge
Domestic water	17 KL/Day	17 KL/Day
Industrial water	20 KL/Day (in Cooling)	Nil

Air Emission

Installation	Fuel used	Stack/Acoustic
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Details of Effluent Treatment Plant/APCDS

ETP	---
APCDS	Bag Filter – Cyclone Separator - Stack

Monitoring Reports

Treated Effluent Analysis Report

	Norms as per consent	As per report
pH	6.5-9.0	--
Suspended Solids	Not to exceed 100 mg/Lit	--
BOD	Not to exceed 100 mg/Lit	--
COD	Not to exceed 250 mg/Lit	--
Oil & grease	Not to exceed 10 mg/Lit	--

Quality of Emission from Stack

Furnace Induction	Norms as per consent	As per report
Particulate Matter	150 mg/NM ³	49 mg/NM ³
Zinc Content	20 mg/NM ³	5 mg/NM ³

Furnace Induction A

Particulate Matter	150 mg/NM ³	45 mg/NM ³
Zinc Content	20 mg/NM ³	3 mg/NM ³

Furnace Induction B

Particulate Matter	150 mg/NM ³	48 mg/NM ³
Zinc Content	20 mg/NM ³	4 mg/NM ³

Furnace Induction – Common Chimney

Particulate Matter	150 mg/NM ³	54 mg/NM ³
Zinc Content	20 mg/NM ³	6 mg/NM ³

Ambient Air Quality Report

	Norms as per consent	As per report
Particulate Matter ₁₀	100 µg/m ³	76 µg/m ³
Particulate Matter _{2.5}	60 µg/m ³	25 µg/m ³
NO ₂	80 µg/m ³	22 µg/m ³
SO ₂	80 µg/m ³	26 µg/m ³

The unit was inspected on 11/08/2017 in presence of Mr. Bhavsar (representative of the unit). At the time of inspection of the unit following observations were noted:

- Display sign board was properly filled with product and waste generation details.
- The unit was in operation at the time of inspection.
- Raw materials used in manufacturing process were Zinc Ingots.
- Product being manufactured at the time of inspection was Zinc Dust.
- The unit had four old Induction furnace & ten Air Compressors and now to increase the production quantity unit had installed one new Induction furnace & two new Air Compressors.
- The unit had attached all the five Induction Furnaces with individual bag filter, cyclone separator and three Stacks of approximately 30 meter height in common.
- All the three Stacks were provided with Stack monitoring facilities and sampling ports at suitable height.
- Manufacturing process includes charging of Zinc ingots in induction furnace which melt this metal and then the molten metal is passed through a tube where it is atomized at high pressure to form Zinc dust which get collected in Bag filter.
- Housekeeping observed was good.
- Proper storage facilities were available for raw material and products.
- The unit had installed soak pit and septic tank for generated domestic waste water.

In view of above, Consent to Operate application may be approved for increasing its Zinc

Dust manufacturing capacity from 22000 MTPA to 28000 MTPA (no other items) under Water Act and Air Act which falls in **Category-II** along with the following terms and conditions for the period up to 31/07/2020;

- The unit shall not generate any kind of trade effluent from the manufacturing cell of the industrial premises.
- The daily quantity of sewage from the factory shall not exceed 17 m³/day.
- The unit shall operate APCDS efficiently so that the emission from the stack meets the PCC norms.
- Hazardous waste generated shall be dispose off to registered recycler/re-refiner or to TSDF only.
- On the expiry of every 2 years, the unit/entrepreneur has to submit authenticate certificate to the PCC informing that there is no change in products/process/production capacity/any other installation etc.
- The unit shall submit Audit Report duly certified in prescribed format.
- The unit must follow all the Plastic Waste Management Rules, 2016 wherever applicable.

Submitted for your kind perusal and approval, Sir please.

Doctor
11/08/17

Member Secretary

Is Environment statement in Form V & hazardous waste manifest in Form-10 not required, considering this is a request for expansion?

29/09.