



## KARNATAKA STATE POLLUTION CONTROL BOARD

### ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Zonal Office : 436-D,  
Hebbal Industrial Area, K. R. S. Road,  
Metagalli, MYSORE - 570 016

ವಲಯ ಕಛೇರಿ : ಪ್ಲಾಟ್ ನಂ. 436-ಡಿ,  
ಹೆಬ್ಬಾಳ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಕೆ.ಆರ್.ಎಸ್.ರಸ್ತೆ,  
ಮೇಟಗಲ್ಕಿ, ಮೈಸೂರು - 570 016

No: PCB/86/ZOM/2016-17/ 416

Ref. :

Date : 4/3/2017

To.

The Member Secretary,  
Karnataka State Pollution Control Board,  
No: 49, Parisara Bhavan, Church Street, 5<sup>th</sup> Floor,  
Bengaluru - 560001

//Kind Attn: Chief Environmental Officer-1 (E-Governance Cell)//

Sir,

Sub: Forwarding the inspection report of M/s. R.L. Fine Chem Pvt Ltd  
(Previously R.L. Fine Chem), Plot No. 14, KHB Industrial area,  
Yelahanka, Bangalore-560 064-reg

Ref: Board office Memo No. PCB/09/EGV-16/6315 dated 04-02-2017

As per the Boar office Memo No. PCB/09/EGV-16/6315 dated 04-02-2017  
pertaining to random inspection of organizations identified based on computerized  
risk assessment, M/s. R.L. Fine Chem Pvt Ltd (Previously R.L. Fine Chem),  
Plot No. 14, KHB Industrial area, Yelahanka, Bangalore-560 064 was inspected on  
18-02-2017. The inspection report is herewith forwarded for your kind information  
and needful action.

Encl: As above.

Yours faithfully,

Senior Environmental Officer,  
ZO, KSPCB, Mysuru.



**Inspection Report of Sri. K. M. Lingaraju, Senior Environmental Officer,**  
**Zonal Office, Mysore**

- Officers Present on behalf of the Board:**
1. Sri.C.M.Satish, SEO, Bengaluru North, Zonal office.
  2. Sri. Ramesh D Naik, EO, Regional Office, KSPCB, Yelahanka.
  3. Sri. H.G. Bhaskar, DEO Regional Office, KSPCB, Yelahanka.

Name and Address of the industry	<b>M/s. R.L. Fine Chem Pvt Ltd ( Previously R.L. Fine Chem)</b> Plot No. 14, KHB Industrial area, Yelahanka, Bangalore-560 064.
Category and Size	Large- Red/Bulk Drug & Pharmaceuticals.
Persons contacted on behalf of the industry and discussion held	1. Sri. P. Suresha Herle, Sr. Vice President, Operations. 2. Sri. Belliappa – Factory Manager. 3. Sri. Vijay, EHS Manager.
Date of inspection	18.02.2017
Consent status	<b>Consent under both the Water and the Air Acts is valid up to 30.07.2019.</b>
HWM authorization	<b>Authorization under HWW Rules is valid up to 20.06.2019.</b>

As per Board Office Memo number PCB/09/EGV-16/6315 dated 04.02.2017 pertaining to random inspection of organizations identified based on computerized risk assessment, **M/s. R.L. Fine Chem Pvt Ltd ( Previously R.L. Fine Chem)**, Plot No. 14, KHB Industrial area, Yelahanka, Bangalore-560 064. M/s. KPR Sugar Mills Private Limited, Almel Village, Sindhagi Taluk, Vijayapura District was inspected on 20.12.2016. The following observations were made during inspection.

Plant:

- This is a bulk drug manufacturing industry with consented capacity of the following APIs:

SL. NO	Product Name	Consented Capacity in MT/A
01	CARBAMAZEPINE	24
02	SULPHADOXINE	24
03	TRIMIPRAMINE MALEATE	4.89
04	DOXYLAMINE SUCCINATE	4.8
05	NORTRYPTYLIN HCL	2.4
06	ORPHENADRINE CITRATE	6
07	CLOMIPRAMINE HCL	6
08	LORAZEPAM	2.4

- The industry has process area and other utilities like RO plant, Boiler, DG set, solvent recovery, raw materials storage area and finished products storage area.
- The industry was operating during inspection and engaged in manufacture of active Pharmaceutical ingredients and Drug intermediates



View of the Plant

**Status of EC and Consent:**

- The industry has obtained EC from SEIAA and is valid up to 30.07.2019.
- Combined Consent under the Water and the Air Act is valid up to 30.07.2019



View of Raw Materials storage Room

### Water Pollution Control:

The source of water for the industry is from bore well; the total water consumption is 66KLD. The water is used for process, washing, cooling, boiler feed & other utilities. The water consumption, wastewater discharge and treatment details are as given below:

Sl. No	Particulars	Water consumption in KLD	Waste Water discharge in KLD	Mode of disposal
1	Domestic	5	4	Discharged in to BWSSB sewers
2	Gardening	8	Nil	---
3	Industrial			Trade effluent is collected in two tanks of capacity 5000 liters each and sent to CETP, M/s.Govind Solvent, Kunigal for treatment and disposal
	a. Process	3.118	3.118	
	b. Washings	3.150	3.150	
	c. Boiler	38.4	1.5	
	d. Cooling	5 (make up)	0.25	
	e. Scrubber	0.5	0.5	
	f. others (QC, R & D, DM/Softener rejects)	3.0	3.0	

The trade effluents are collected in an impervious underground tank and then pumped in to two tanks provided above the ground level with dyke. At present the trade effluent generation from the industry is around 8.0 KLD and it is offloaded after neutralization to CETP, M/s Govind Solvents for further treatment and disposal.



View of tank below GL to store effluents



View of tanks to store the effluents



View on Flow Meter



View of Hazardous Waste storage room

**Air pollution sources and control measures provided are given below:**

I. No.	Air Pollution Source	Chimney		Control Measures	
		Stipulated	Provided	Stipulated	Provided
1	Boiler 2 Ton/hr capacity (briquette fired)	30 m AGL	30m AGL	Cyclone dust collector	Provided
2	Fluidized Bed Driers (two numbers)	9 m AGL	7m AGL	Filter bags	Filter bags
3	500 KVA D.G. Set	7m ARL	7m ARL	Acoustic enclosure	Acoustic enclosure.
4	Process section (reactors 8 no's)	9m AGL	9m AGL	Scrubber	Scrubbers two no's in series and chimney

**Hazardous Waste Management:** The details of Hazardous waste generation & discharge details are as below.

	Process stream as per rules	Authorized quantity	Accumulated quantity	Method of handling
1				
2	Used oil (cat 5.1)	0.05 KL/A	10KL	Manual collection, collected in barrels, stored in leak proof containers, stored in a shed and disposed to authorized recycler.
3	Residue from Solvent recovery (cat 20.2/20.3)	4 MT/A	520KG	Manual collection, collected in barrels, stored in leak proof containers, stored in a shed and disposed to authorized incinerator.
4	Residue from manufacturing process (cat.28.1)	13.5 MT/A	1125KG	Manual collection, collected in barrels, stored in leak proof containers, stored in a shed and disposed to authorized incinerator.

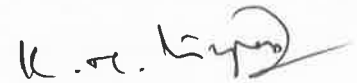
The industry has obtained authorization under Hazardous Waste (Management, Handling & Transboundary Movement) Rules and the same is valid up to 30.06.2019.

The industry has collected the hazardous waste in barrels and was stored in a room exclusively for storage of hazardous waste. The industry is submitting returns in Form-3, Form-4, & Form-13 under HWM Rules regularly.

**ON LINE MONITORING SYSTEM:** - The industry is offloading entire trade effluent after neutralization to the CETP for treatment and disposal. They have installed flow measuring device and camera as per the stipulation.

**Action to be taken:**

- The industry shall be directed to change over the storage tank provided to collect the trade effluents below the ground level to above ground level with adequate dyke all round as the effluent is having TDS and high concentration.
- The Environmental Clearance issued by the SEIAA is valid up to 30.07.2019, thereafter the industry has to be shifted its industrial operations. As the residential houses/apartments are very close to the industry, the industry shall be directed to shift its activities after 30.07.2019 as per the conditions of the EC.



**(K.M.Lingaraju)**

**Senior Environmental Officer  
Zonal Office, Mysore**