**Karnataka State Pollution Control Board**
**Office of the Chief Environmental Officer-3**
**"NISARGA BHAVAN"**
Thimmaiah Road, 7th 'D' Main, Shivanagar,
Opp. Pushpanjali Theatre, Bengaluru -560 079.

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ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

*(towards a cleaner karnataK*

NO. KSPCB/CEO-3 /IR/2016-2017/ Dated:

**Inspection Report of Sri. D.R. Kumaraswamy, Chief Environmental Officer-3, Bangalore-79.**

| | |
|---|---|
| **Name of the industry** | M/s. Aditya Birla Chemicals (India) Ltd.,<br>(Formerly Solaris Chemtech Ltd.,),<br>Binaga -581307, Karwar,<br>Uttara Kannada District. |
| **Date of inspection** | 11-08-2016 |
| **Factory authorities present** | 1. M.D Bhat- Assistant Manager |
| **Consent status** | Expired on 30-06-2016 consent under both Acts. |
| **Category** | Large- Red, Capital Investment:- 400 Cores |
| **Products manufactures as per consent in MT/A** | Caustic Soda - 59400 MT/A<br>Hydrochloric Acid – 1.33650 MT/A<br>Chlorine – 52272 MT/A<br>Sodium Hypochlorite – 260 kg/hr (by product)<br>Phosphoric acid – 24000 MT/A<br>Poly Aluminium Chloride – 73000 MT/A<br>Kestra Moulded Equipments – 120 MT/A |

The industry was inspected as per the Board Office letter No.PCB/09/EGV-14/1778, DATED: 02-07-2016.

The factory was in operation at the time of inspection. The following observations were made during the inspection:

| SI. No. | Consent Condition No. | Observations |
|---|---|---|
| A-I | 1 | The applicant informed that they are discharging about 2300 to 2400 $m^3$ /day. |
| A-II | 1 | No comments |
| | 2 | 1. Domestic Effluent – 250 $m^3$ /day online is not provided, proper pipeline system as to be provided for utilization of treated effluent on land for gardening. It also requires up-gradation.<br>2. Industrial effluent – 2934 $m^3$ /day online is provided |
| | 3, 4 & 5 | No comments |
| | 6 | The effluent is used for manufacturing of HCL- 26 to 30 $m^3$ /day |
| | 7 | Discharging about 60 to 70 $m^3$ /day |
| | 8 | No comments – Not in operation |
| | 9 | At the time of inspection they are discharging about 14 $m^3$ /hr of effluent into the sea. |
| | 10 | They have provided alternative power supply. |
| | 11 | They have provided 10 No of observation wells. Regional Officer has to monitor the same. |
| | 12 & 13 | No comments |
| B. | 1 | The applicant informed that they are paying Cess Returns. Regional Officer has to verify. |
| C I. | 1,2, & 3 | No comments. |

| | | |
|---|---|---|
| | 4 | The applicant informed that they are monitoring AAQM at 5 points and results are well within the limits. |
| D | 1 | No Comments |
| | 2 | Regional Officer has to monitor and report |
| | 3 | No Comments |
| | 4 | The applicants informed that they are monitoring Zoo plankton and Phytoplankton twice a year. Regional Officer has to verify. |
| | 5 | Regional Officer has to verify the soil monitoring. |
| | 6 (A) a,b,c,d,e | Regional Officer has to monitor |
| | 6 (B) | Mercury is not used in the process |
| | 7, 8 & 9 | Regional Officer has to monitor |
| | Air 10, 11 & 12 | Regional Officer has to verify the reports. |
| 13 | 1 | The applicant have provided online monitoring system. |
| | 2 | The applicant informed they are submitting the reports. |
| E | 1 | They are submitted Environmental Statement. |
| F | 2 & 3 | No comments |
| G | 1 & 2 a, b | No comments |
| H | 1 & 2 | No comments |
| I | 1,2,3,4,5,6,7,8 & 9 | No comments |
| | 10 | The applicant provided flow Diagram |
| | 11 | The applicant have to employee a qualify Environmental Engineer/Scientist. |
| | 12 | The applicant have obtained ISO 14001: 2004. |
| | 13 ,14 & 15 | No comments |
| | 16 | No comments |
| | 17 | Domestic STP area requires maintenance. |
| | 18, 19 & 20 | No comments |
| | 21 | They have maintained the Greenery |
| | 22 & 23 | No comments |
| | Annexure-III | 1. Caustic Soda fusion Plant - Timely not being operated.<br>2. Sodium Hypochlorite Scrubber – Online provided (1.55 mg/Nm$^3$)<br>3. Absorption tower for HCL Plant. Furnace (4 Nos)- Online provided.<br>1. 1.78 mg/Nm$^3$<br>2. 2.27 mg/Nm$^3$<br>3. 4.0 mg/Nm$^3$<br>4. 4.21 mg/Nm$^{3.}$<br>4. Scrubber Phosphoric acid Plant– Online provided.<br>1. Floride – 1.39 mg/Nm$^3$<br>2. HCL – 4.23 mg/Nm$^3$<br>5. i. D.G. Set – 6MW – Not in use<br>ii. D.G. Set – 53. MW– Not in use<br>iii. 3 THP Oil fired boiler– Not in use<br>6. i. D.G. Set – 11.5 MW– Not in use<br>ii. D.G. Set – 5.8 MW– Not in use<br><br>7. Kestra Plant (Hot air generating equipmet)- No comments<br>8. 10 THP boiler (Coal fired)- Online provided but not in use<br>9. 18 THP boiler (Coal fired) – Online provided (70.89 mg/Nm$^3$)<br>10. D.G. Set – 2000 KVA – Operated only during power failure. |

Chief Environmental Officer-3
Nisarga Bhavan, Bangalore-79.