



ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL OFFICE
Madhavadhara Vuda Colony, Behind RTA Office,
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REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order.No.9264/PCB/ZO-Vsp/Tech/2013- 1162

Dt.24/02/2014

Sub: **APPCB, ZONAL OFFICE, VISAKHAPATNAM - CONSENT FOR ESTABLISHMENT – M/s.IVAX Paper Chemical Ltd, R.Sy.Nos.11, 16 & 18(P), Gumpam (V), Pusapatirega (M), Vizianagaram District** for the Consent for Establishment of the Board under Sec.25 of Water (Prevention and Control of Pollution) Act, 1974 and under Sec.21 of Air (Prevention and Control of Pollution) Act 1981 – Issued – Reg.

Ref: 1. GM, DIC, Vzm Lr.No.1379/A2/2013, received on dt.27.11.2013.
2. R.O., Vzm Lr.No.PCB/ROVZ/Tech/Z-440/2013-773, dt.10.01.2014.
3. Minutes of the CFE Committee meeting held on **22.01.2014**.
4. T.O.Lr.No.9264/PCB/ZO-VSP/Tech/2013-1024, dt.01.02.2014.
5. Industry's Bank Guarantee No.21024148BG0000220, dt.05.02.2014.

- I. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to produce the following products with installed capacities as mentioned below, with a project cost of **Rs.17.60 Crores (Rupees seventeen crores and sixty lakhs only)**
AKD Wax Emulsion – 12,000 MTA
Akenyl Succinic Anhydride (ASA) – 2,400 MTA
Starch Based products – 3,600 MTA
Rosin Based products – 22,500 MTA
- II. As per the application, the above activity is to be located at **R.Sy.Nos.11, 16 & 18(P), Gumpam (V), Pusapatirega (M), Vizianagaram District**.
- III. The above site was inspected by the Environmental Engineer, Regional office, A.P Pollution Control Board, Vizianagaram on **07.01.2014** and found that the site is surrounded by **North, East & West: Agricultural Lands, South: Thammayapalem Village Road**.
- IV. The Board, after careful scrutiny of the application and verification report of Regional Officer, Vizianagaram hereby issues **CONSENT FOR ESTABLISHMENT** to your unit / activity Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to manufactured the products as mentioned at para (1) only.
- V. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.
- VI. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

To
M/s.IVAX Paper Chemical Ltd,
C/o. Kirti Kumar Nawalgaria,
D.No.6-3-248/B, Road No.1, Banjara Hills,
Hyderabad – 500 034

K. Venkateswara Rao
22/2/14
JOINT CHIEF ENV. ENGINEER,
Joint Chief Environmental Engineer
A.P. POLLUTION CONTROL BOARD
ZONAL OFFICE
VISAKHAPATNAM

SCHEDULE - A

- 1) Progress on implementation of the project shall be reported to the A.P. Pollution Control Board, Regional Office, Vizianagaram once in six months.
- 2) Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
- 3) The proponent shall obtain Consents for operation from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
- 4) Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
- 5) The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
- 6) Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
- 7) Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall constructed around storage of chemicals.
- 8) Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.
- 9) The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public liability insurance Act, 1991 shall be followed.
- 10) This order is valid for period of 5 years from the date of issue.

Joint Chief Environmental Engineer
 A.P. POLLUTION CONTROL BOARD
 ZONAL OFFICE
 VISAKHAPATNAM

22/2/14.
 JOINT CHIEF ENV. ENGINEER
 Joint Chief Environmental Engineer
 A.P. POLLUTION CONTROL BOARD
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SCHEDULE - BWater:

- 1) The source of water is **Bore well** and the maximum permitted water consumption is as follows:

	Purpose		Proposed
a)	Process	:	69.5 KLD
b)	Boiler makeup	:	19.9 KLD
c)	Domestic	:	10 KLD
	Total	:	99.4 KLD

- 2) The Effluent Treatment Plant (ETP) shall be constructed and commissioned and Air Pollution control equipment shall be installed along with the commissioning of the activity. All the units of the ETP shall be impervious to prevent ground water pollution.
- 3) The effluents shall be treated to the on land for irrigation standards, stipulated under Environment (Protection) Rules, 1986, notified and published by Ministry of Environment and Forests, Government of India as specified in schedule VI vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof, and additional standards / conditions stipulated by APPCB.
- 4) The maximum Waste Water Generation (KLD) shall not exceed the following:

	Purpose		Proposed
a)	Boiler blow down	:	2 KLD
b)	Domestic	:	5 KLD
	Total	:	7 KLD

Effluent source	Standards to be complied	Mode of final disposal
Boiler blow down	pH – 5.5 – 9.0 TSS – 200 mg/l O & G – 10 mg/l BOD – 100 mg/l	Greenbelt
Domestic	pH – 5.5 – 9.0 TSS – 200 mg/l BOD – 100 mg/l	Septic tank followed by soak pit

- 5) Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
 - a) Industrial cooling, spraying in mine pits or boiler feed.
 - b) Domestic purposes.
 - c) Processing, whereby water gets polluted and pollutants are easily bio-degradable.
 - d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.

Air:

- 6) The proponent shall comply with the following for controlling air pollution.

Sl. No	Details of Stack	Stack 1	Stack 2	Stack 3	Stack 4	Stack 5	Stack 6
a)	Attached to:	Boilers	Thermic fluid heaters	DG Set	DG Set	DG Set	DG Set
b)	Capacities	600 kg/hr-2 Nos & 850 kgs/hr-2 Nos	4 Lakh K.Cal/hr-2 Nos & 6 Lakh K.Cal/hr-2 Nos	320 KVA	320 KVA	250 KVA	25 KVA
c)	Fuel used	-	-	Diesel	Diesel	Diesel	Diesel
d)	Stack height from G.L.	60 ft	60 ft	15 ft	15 ft	12 ft	10 ft
e)	Details of Air Pollution Control Equipment:	-	-	Acoustic enclosures	Acoustic enclosures	Acoustic enclosures	Acoustic enclosures
f)	Standards to be complied	SPM – 115 mg/Nm ³	SPM – 115 mg/Nm ³	-	-	-	-

Details of Process Emissions:	Control Equipment
The industry has proposed to provide one common sieve tray type	Wet scrubber to the reactors of resin based products

- 7) A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.

- 8) The proponent shall provide interlocking system for air pollution control equipments provided with raw material feeding system so that the feeding of raw material would be stopped incase the air pollution control equipments fails.
- 9) The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

Solid Waste:

10) The proponent shall comply with the following:

Sl. No	Solid Waste generated from	Quantity (Kg/day)	Hazardous / as defined under HWM Rules,2008.	Method of Disposal
1)	Used lubricating oil	30 LPM	5.1 of Schedule-I	Agencies authorized by APCB

11) The following rules and regulations notified by the MOE&F, GOI shall be implemented.

- Hazardous waste (Management, Handling and Transboundary Movement), Rules,2008 and its Amendments thereof.
- Manufacture, storage and import of hazardous chemicals Rules, 1989 and Amendment.
- Rules for manufacture, use, import, export and storage of Hazardous micro-organisms/genetically engineered organisms or cells, 1989 and Amendment.

Other Conditions:

- 12) Green belt of width **5m / 10m / 15m etc** shall be developed along the boundary of the industry. Green belt development shall be started along with the construction activity.
- 13) The industry submitted the Bank Guarantee for Rs.5 Lakhs vide reference 5th cited towards complying the following conditions:
- The industry shall take all necessary technical precautions / measures to avoid odour nuisance in the surroundings.
 - The industry shall install all reactors above the ground level with leakage detection systems.
 - The industry shall provide dedicated Closed sheds with dyke wall and concrete platform for storage of raw materials.
 - The industry shall adopt two stage scrubbing system for vent gas emissions.
 - The industry shall not discharge any effluent outside the industry premises.

Under any circumstances the industry shall comply with the above conditions, failing which the Bank Guarantee will be forfeited.

To
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