



ANDHRA PRADESH POLLUTION CONTROL BOARD
 D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
 Chalamalavari Street, Kasturibaipet, Vijayawada - 520010
 Website: www.pcb.ap.nic.in

**RED CATEGORY
 CONSENT & AUTHORIZATION ORDER**

Consent Order No: APPCB/VJA/NLR/HO/CFO/2020 Date: 27/05/2020

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 & Amendments thereof and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. NATCO Pharma Limited,
 Sy No.56 (P) & 60 (P), APIIC, Industrial Park,
 Attivaram (V), Ozili (M),
 SPS Nellore District
 E-mail: rajesh.chebiyam@natcopharma.co.in**

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i. Outlets for discharge of effluents :

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1	HTDC effluents (Process - (42.65 KLD), washings (2.0 KLD), Scrubbing system (3.4 KLD)	48.05	Shall be treated by using collection tanks-cum-neutralization followed by stripper, MEE, ATFD, thus to maintain ZLD system. Process condensate of MEE & ATFD shall be sent to ETP for biological treatment.
2	LTDS effluents (Cooling tower bleed off)	18.0	Shall be treated in ETP followed by RO plant. RO permeate shall be reused and RO Reject shall be sent to MEE & ATFD for evaporation.
3	Domestic	2.4	Septic tank followed by soak pit.

ii. Emissions from chimneys :

Chimney No.	Description of Chimney / Stack	APC Equipment provided
1	Stack attached to 1 x 1010 KVA DG set	Acoustic enclosures
2	Stacks attached to condensers & vents of process & storage tanks respectively	Two Stage Alkali Scrubber systems & VOC meter

iii) Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)]:

M/s. NATCO Pharma Limited, SPS Nellore District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• Hazardous Waste with Disposal Option :

S.No	Type of Hazardous waste	Stream	Quantity	Mode of disposal
1.	Organic Residue (Distillation bottom Residue)	29.1 of Schedule-I	2748 Kgs/day	Shall be routed through M/s. Andhra Pradesh Environment Corporation Limited (APEMCL), so as to dispose the same to Cement industries for co-processing / TSDF for incineration.
2.	Spent Mixed Solvents	29.4 of Schedule-I	500 Kgs/day	
3.	Spent carbon	29.2 of Schedule-I	25 Kgs/day	
4.	ETP Sludge	29.2 of Schedule-I	180 Kgs/day	Shall be routed through APEMCL, so as to dispose the same to TSDF for secured Landfill / to Cement Industries for co-processing.
5.	Inorganic Salts (Evaporation salts)	29.2 of Schedule-I	2208 Kgs/day	Shall be routed through APEMCL, so as to dispose the same to TSDF for Secured Landfill.
6.	Inorganic salts (Spent sodium bisulphite/ sodium chloride)	29.2 of Schedule-I	1680 Kgs/day	Shall be routed through APEMCL, so as to dispose the same to TSDF for Secured Landfill / authorized recovery units.
7.	Waste oil / Used oil	5.1 of Schedule-I	200 Lts/month	Shall be routed through APEMCL, so as to dispose the same to Authorized reproprocessors / Recyclers.

8.	Detoxified Containers	33.1 of Schedule-I	500 nos/month	Shall be routed through APEMCL, after detoxification, so as to dispose the same to outside agencies.
9.	Used Lead Acid Batteries	17 of Schedule-IV	2 nos/month	Shall be sent back to suppliers on buyback basis.
10.	Used PPE	33.1 of Schedule-I	100 Kgs/month	Shall be routed through APEMCL, so as to dispose the same to Cement Industries for co-processing / TSDF for incineration.

This consent order is valid to produce the following products along with quantities indicated only:

S.N	Name of the Products and By-products	As per CFE Expansion order Dt.23.12.2019	Consented Quantity
1	Chloran Tranilliprole (CTP)	4.0 TPD	4.0 TPD
2	Thiamethoxam	4.0 TPD	4.0 TPD
By-product			
3	Sodium Bisulphite/Sodium chloride	1.68 TPD	1.68 TPD

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the **28.02.2025**.

BANDLA SIVA SANKARA PRASAD, CHAIRMAN, O/o CHAIRMAN-APPCB

To
M/s. NATCO Pharma Limited,
Sy No.56 (P) & 60 (P), APIIC, Industrial Park,
Attivaram (V), Ozili (M),
SPS Nellore District
E-mail: rajesh.chebiyam@natcopharma.co.in

Copy to:

1. The JCEE, ZO: Vijayawada for information and necessary action.
2. The EE, RO: Nellore for information and necessary action.

SCHEDULE-A

1. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
2. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
3. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit the same to the Board.
4. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall be liable to pay Environmental Compensation, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
7. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.
8. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
9. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.

SCHEDULE-B**Water Pollution:**

1. The industry shall comply the following effluent standards stipulated for pesticide technical manufacturing units under EPA Notification [GSA 176(E) 2nd April, 1996] for the outlets of waste water treatment :

Outlet No	Parameter	Concentration
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1 (HTDS effluent's Process condensate of MEE & ATFD) & 2 (RO permeate of LTDS effluents)	Temperature	Shall not exceed 5°C above the receiving water temperature
	p ^H	6.5 – 8.5
	Total Suspended Solids (TSS)	200 mg/l
	Oil & Grease	10 mg/l
	BOD (3 days 27°C) (Technical)	100 mg/l
	COD	250 mg/l

Note:

- The limits should be complied with, at the end of the treatment plant before dilution for reuse.
 - Bio-assay test should be carried out with the available species of fish in the receiving water, the COD limits to be specified in the consent conditions should be correlated with the BOD limits.
 - Industries are required to analyse pesticides in wastewater by advanced analytical methods such as GLC/HPLC.
2. The source of water being Ground water. The following is the permitted water consumption:

S. N	Purpose	Quantity
1.	Process	41.2 KLD
2.	Chilled Water Plant	15.0 KLD
3.	Brine Plant	10.0 KLD
4.	Cooling Tower make up	65.0 KLD
5.	Washings	2.0 KLD
6.	Scrubbing	3.0 KLD
7.	Green Belt	1.0 KLD
8.	Domestic	3.0 KLD
	Total	140.2 KLD

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes.

- The all units of the ZLD system shall be maintained impervious to prevent ground water pollution. The units of ZLD system shall be constructed above the ground level. Effluents shall not be discharged on land or into any water bodies or aquifers under any circumstances.
- The industry shall comply the CPCB directions dated 05.02.2014 & 02.03.2015 regarding installation of online continuous effluent monitoring systems & web cameras and to connect monitoring systems and cams to APPCB/CPCB websites. The online monitoring system shall be calibrated periodically as per equipment suppliers manual / CPCB guidelines.
- The industry shall provide two stage alkali scrubbers with automatic P^H adjustment & automatic pH recording system followed with suitable stack from Ground level and also shall provide VOC meter.
- The industry shall submit ground water quality trends and report the compliance to RO, Nellore. The industry shall regularly monitor the ground water quality at upstream and downstream of the unit, ETP area and greenbelt area. The consolidated records shall be submitted to RO, Nellore for every three months.

7. The industry shall provide containers detoxification facility. Container & Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to collection tanks of ETP.
8. Rain water shall not be allowed to mix with either trade or domestic effluents. The industry shall maintain storm water drains properly.

Air Pollution:

9. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	Emission Standards
1	Particulate Matter	115 mg/Nm ³
2	Emission standards for vent scrubbers	
	HCl	20 mg/Nm ³
	Particulate matter with pesticides compounds	20 mg/Nm ³
	HBr	5 mg/Nm ³

10. The industry shall provide suitable scrubbing media like chilled water/ mist eliminator/ caustic/ charcoal and recovery systems to the process equipments for controlling the escape of vapors of HCl, HBr, NH₃ & H₂S etc., if any into the atmosphere.
 11. The proponent shall not use or generate odour causing substances or Mercaptans and cause odour nuisance in the surroundings.
 12. The industry shall implement adequate measures to control all fugitive emissions from the plant.
 13. The industry shall provide multi-stage scrubbers to the process vents to control the process emissions. The industry shall provide online pH measuring facility with auto recording system to the scrubbers provided to treat the process emissions.
 14. The evaporation losses in solvents shall be controlled by taking suitable measures, which include:
 - a. Chilled brine circulation to effectively reduce the solvent losses into the atmosphere.
 - b. Transfer of solvents by using pumps and closed conveyance instead of manual handling.
 - c. Closed centrifuges to be used due to which solvent losses are reduced drastically.
 - d. The reactor vents connected with primary & secondary condensers to catch the solvent vapours.
 - e. All the solvent storage tanks are connected with vent condensers to prevent solvent vapours.
 15. The industry shall maintain online monitoring system for VOCs and shall be connected to Board website.
 16. The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10mm) - 100 mg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO₂ - 80 mg/ m³; NO_x - 80 mg/m³, outside the factory premises at the periphery of the industry.
- Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.
- Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A)

17.The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.

General:

- 18.The industry shall indentify and adopt the cleaner production mechanisms for waste minimization like source reduction & recycling options of by-products & process solid wastes as raw material substitutes in other processes and consider the co-processing & co- incineration in cement kilns and secured land filling as the last alternative.
- 19.The industry shall use nitrogen blanketing, where appropriate on pumps, storage tanks and other equipment to minimize the release of toxic organics in to the surroundings.
- 20.The industry shall avoid usage of non-halogenated & non-aromatic solvents in process operations and the off-specification raw materials / products shall be disposed time to time in secured manner, without stocking in the industry premises for longer period of time.
- 21.The industry shall utilize equipment wash down water and spillages collected at pumps and material transfer points, as makeup water for next batches and use high pressure hose pipes for cleaning the equipments and processing areas for conservation of water.
- 22.The industry shall maintain flow meters preferably Electro Magnetic flow meters with totalisers for water and effluent quantity measurements for different streams of effluents and different categories of water usage stipulated in this order.
- 23.The drums containing chemicals / solvents shall be stored under a roof on elevated platform with a provision to collect leakages / spillages in the collection pit.
- 24.The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a. Daily production details (ER-1 Central Excise Returns).
 - b. Quantity of Effluents generated, treated, recycled/reused and disposed in ZLD.
 - c. Log Books for pollution control systems.
 - d. Characteristics of ambient air, effluents and emissions.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
- 25.The industry shall submit mock drill report carried out at least once in six months, as required under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
- 26.The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Regional Office and Zonal Office of the Board.
- 27.As per CFE Orders Dt.17.09.2018 & 23.12.2019, the industry shall develop green belt in all the vacant places for meeting the greenbelt development of 18 % of total area.
- 28.The industry shall submit a copy of policy of Public Liability Insurance (PLI) duly indicating the amount contributed towards Environmental Relief Fund (ERF) to the RO once in six months.
- 29.The industry shall comply with standards and directions issued by CPCB / MoEF & CC as and when notifications are issued.

30. The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st of January and July of every year to the Regional Office / Zonal Office.

SCHEDULE – C
[See rule 6 (2)]

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR
HANDLING HAZARDOUS WASTES]**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorisation shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The authorised person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorised person shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
13. The authorised person shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
14. The authorised person shall maintain proper records for Hazardous & other wastes

stated in Authorization in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.

15. The authorised person shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board Office and concerned Regional Office.

**BANDLA SIVA SANKARA PRASAD, CHAIRMAN, O/o
CHAIRMAN-APPCB**

To

**M/s. NATCO Pharma Limited,
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