



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
**D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,**  
**Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010**  
**Phone. No.0866-2463200, Website : www.pcb.ap.gov.in**

**RED CATEGORY**  
**CONSENT & HAZARDOUS WASTE AUTHORIZATION ORDER**

**Consent Order No : APPCB/VSP/VZN/13392/HO/CFO/2020- 04/09/2020**

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 & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Mylan Laboratories Limited, (Unit-VIII)**  
**G. Chodavaram (V), Pusapatirega (M),**  
**Vizianagaram District, Andhra Pradesh.**  
**E-mail:srinivasa.anumula@mylan.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	Quantity	Point of Disposal
1)	High TDS Process and Wash Effluents	309.0 KLD	<ul style="list-style-type: none"> <li>• Shall be sent to MEE followed by ATFD</li> <li>• MEE condensate shall be treated in biological ETP;</li> <li>• ATFD Salts shall be disposed to TSDF.</li> </ul>
2)	Low TDS Effluents	239.K LD	<ul style="list-style-type: none"> <li>• Shall be treated in Biological ETPs followed by Primary RO, Secondary RO;</li> <li>• RO permeate shall be recycled; and</li> <li>• RO Rejects shall be routed to MEE</li> </ul>
3)	Boiler Blow Down, Cooling Tower Bleed Off, DM Plant & Softener Effluents	110.0 KLD	<ul style="list-style-type: none"> <li>• Shall be treated in Biological ETP;</li> <li>• After treatment, 90 KLD of permeate shall be recycled to utilities and 20 KLD shall be routed</li> </ul>

			through MEE
4)	Domestic	42.0 KLD	<ul style="list-style-type: none"> <li>• Shall be treated in STP/biological ETP.</li> <li>• After treatment, the permeate shall be recycled to utilities and reject shall be routed through MEE.</li> </ul>
5)	Raw Water (Fresh Water) RO Rejects	283.0 KLD	<ul style="list-style-type: none"> <li>• Shall be discharged to Sea through marine outfall under the supervision of marine outfall team after confirmation of analysis of sample from Zonal lab of APPCB duly complying with SOPs.</li> </ul>

## ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions
1	Attached to 20 TPH coal fired boiler	--
2	Attached to 5 TPH coal fired boiler	--
3	Attached to 4 TPH coal fired boiler	--
4	Attached to 2 TPH coal fired boiler (Standby)	--
5	Attached to 3X2.0 Lakh K. Cal/Hr/ Thermic Fluid Heaters	--
6 -9	Attached to 4 x 1500 KVA DG set	--
10-12 & 36	Attached to 4 x 1250 KVA DG set (1 standby)	--
13	Attached to 1010 KVA DG set	--
14 & 35	Attached to 2x 500 KVA DG set	--
15-34	Process emissions	--

## iii) HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 6 (2)]:

M/s. Mylan Laboratories Limited, (Unit-VIII), G. Chodavaram (V), Pusapatirega (M), Vizianagaram District, Andhra Pradesh is hereby granted an authorization to operate a

facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• HAZARDOUS WASTES WITH DISPOSAL OPTION:

S.No	Name of hazardous waste	Stream	Quantity	Method of disposal
1.	Process Organic Residue	28.1 of Schedule - I	100.83 TPM	Shall be disposed to TSDF Parawada for incineration / Cement Industries for Co-Processing
2.	Spent Carbon	28.3 of Schedule - I	19.38 TPM	
3.	Process Inorganic Salts & Distillation Bottom Residue	28.1 of Schedule - I	61.73 TPM	
4.	Off Specified & Discarded Raw Materials, Lab Chemicals & Products	28.4 of Schedule - I	2.0 TPM	
5.	Spent Solvents (Coloured)	28.6 of Schedule - I	300.0 TPM	
6.	Stripper VOC condensate	35.1 of Schedule - I	300 TPM	
7.	ETP sludge	35.3 of Schedule - I	250.0 TPM	To TSDF, Parawada for land fill.
8.	Evaporation Salts	35.3 of Schedule - I	449.97 TPM	

• HAZARDOUS WASTES WITH RECYCLING OPTION:

S.No	Name of hazardous waste	Stream	Quantity	Method of disposal
1.	Used Oil / Waste Lubricating Oil	5.1 of Schedule - I	3.0 TPM	Authorized Re-processors / Recyclers
	Mixed Solvents / Recovered Solvents	28.6 of Schedule - I	3000 TPM	

2.	(Colourless)	Schedule - I		
3.	Detoxified Containers (Drums / Carboys / Containers)	33.1 of Schedule - I	4000 Nos/Month	After detoxification, it shall be disposed to the outside authorised agencies
4.	Detoxified liners		10,000 kg/mon	To authorised agencies, after complete detoxification for re-use/recycle.

• OTHER WASTES (NON- HAZARDOUS WASTE) DETAILS:

S.No	Name of the Hazardous waste	Quantity (in TPM)	Method of disposal
1.	Coal Ash	500.0	CWMP Parawada / BrickManufacturers
2.	Metal Scrap	100.0	To be sold out to recyclers
3.	Discarded PPE	1.0	CWMP, Parawada/authorized Cement Industries for Co-Processing
4.	Industrial Garbage	25.0	
5.	Non-Hazardous domestic/Laboratory Solid Waste etc.,)	1.0	
6.	Discarded Bulbs, Tube Lights etc.	0.5	CWMP, Parawada authorized E-Waste recyclers
7.	Paper, Cotton Waste, Packing Waste, Play wood wooden boxes, carton	5.0	Sale/CWMP Parawada /Cement Industries for Co-Processing
8.	E-Waste	2.0	To Authorized recycler.
9.	Thermocol waste	2.0	TSDF / Cement industry / authorized recyclers.
10.	Insulation waste (glass recyclers wool)	2.0	

This consent order is valid for manufacturing the following products along with quantities indicated only:

S.No.	Name of the Products	Quantity (Kg/day)
1.	Naproxen Sodium	3.33
2.	Trazadone HCL	333.33
3.	Allopurinol	166.67
4.	Nabumetone	16.67

5.	Efavirenz (EFD 1 NBC (Grignard Reagent))	1033.33
6.	Abacavir Sulfate	400.00
7.	Cytosine Menthyl Ester (CME Intermediate)	400
8.	Gabapentine	50
9.	Cyclohexyl Ester (CXE)	333.33
10.	Alendronate Sodium	50.0
11.	Propafenon HCL	3.33
12.	Fexofenadine HCL	3.33
13.	MenthylGlyoxylateHudrate (MGH)	3.33
14.	Emtricitabine	16.67
15.	Lanthanum carbonate	233.33
16.	Mirtazapine	3.33
17.	Baclofen	10.0
18.	Ritonavir	166.67
19.	Atazanavir sulfate	166.67
20.	Clozapine	183.33
21.	Memantine HCL	40.0
22.	Risedronate Sodium	50.0
23.	Valsartan	733.33
24.	Tenofovir	1350
25.	LopiRito Premix	283.33
26.	Quetiapine	3.33

27.	Pentaprazole Sodium	300.00
28.	Lansoprazole	33.33
29.	Acyclovir	166.67
30.	Defrasirox	16.67
31.	Varapamil	3.33
32.	Lamivudine	66.67
33.	FCE	400.00
34.	Sildenafil Citrate	333.33
35.	Ambrisentan	3.33
36.	Atorvastatin Calcium	400.00
37.	Verenicline Tartrate	1.67
38.	Sofosbuvir	186.67
39.	Cobicistat	13.33
40.	PentaprazoleMegnesium	140.0
41.	Ledipasvir	33.33
42.	Daclatasvir	33.33
43.	Velpatasvir	33.33
44.	Reltagravir	33.33
45.	Dolutegravir	33.33
46.	Linagliptin	3.33
47.	Validation products	33.33
	Total	8305.0 Kg/day
	Captive Power	2.5 MW

**By-products:**

S.No.	Name of the By-product	Quantity	Mode of disposal
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		(Kg/day)	
1.	Zinc Salt	2767.27	Authorised recyclers / TSDF
2.	Magnesium Salt	298.63	
3.	Phosphate Salts	201.40	
4.	Phosphorous Oxy Chloride	15.23	
5.	Phosphate Salts	159.75	
6.	Sodium Bromide water	14 KLD	

This order is subject to the provisions of 'the Acts' and the Rules' and orders made there under 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 31<sup>st</sup> day of August, 2022.

**DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB**

To

**M/s. Mylan Laboratories Limited, (Unit-VIII)  
G. Chodavaram (V), Pusapatirega (M),  
Vizianagaram District, Andhra Pradesh.**

Copy to :

1. The JCEE, Zonal Office, **Visakhapatnam** for information and necessary action.
2. The Environmental Engineer, Regional Office, **Vizianagaram** for information and necessary action.

#### **SCHEDULE-A**

1. 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.
2. 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 to the Board.
3. 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.
4. 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.
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 ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
7. 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.
8. 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.
9. 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.
10. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, 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.
11. The industry may explore the possibility of tapping the solar energy for their energy requirements.

#### SCHEDULE-B

1. The industry shall comply with the following conditions within stipulated time, failing which the bank guarantee of Rs. 10 lakhs submitted by the industry will be forfeited without any notice:
  - i. The industry obtained EC in the name change of M/s. Matrix Laboratories Ltd. but not obtained name change amendment from MoEF&CC in the name of M/s. Mylan Laboratories Limited. The industry shall obtain amendment in EC from MoEF&CC for name change within 2 months i.e., by 04.11.2020.
  - ii. As per the CFO, the industry shall develop green belt in an area of 22.50 acres (33%), but not submitted the earmarked copy of the greenbelt plan to RO. The industry shall conduct survey on the existing greenbelt and submit the compliances. The industry shall conduct drone survey of the existing greenbelt and submit the report to the RO, Vizianagaram within 1 month i.e., by 04.10.2020.
  - iii. The industry has manufactured Abacavir Sulphate, Atazanavir sulfate, Defrasirox, Emticitabine, Lopi Rito Premix & Varapamil more than the consented capacities. The industry shall not manufacture any new product without obtaining the CFE & CFO of the Board.
  - iv. The industry generates 42 KLD of domestic wastewater and the same shall be



- treated in the biological ETP.
- v. Complaint received through Spandana against M/s.Mylan Laboratories Limited regarding water pollution. The Board collected samples in the surrounding water bodies/wells. Some of the parameters like TDS, TSS, Chlorides, Alkalinity, Ammonical nitrogen, Calcium etc are exceeding the drinking water standards. The industry shall ensure that there shall not be any discharge of contaminated storm water during rainy season. Any contaminated storm water shall be routed to the ETP for treatment.
  - vi. The industry shall maintain the data logging system to the pH meters attached to the process scrubbers.
  - vii.Used oil of 2.465 MT is stored for more than 90 days i.e., since Jan'2020 in the industry premises, which is a non-compliance of the CFO conditions and the industry shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016. The industry shall ensure that there shall not be any accumulation of the used oil for more than 90 days.
  - viii.The industry is partially complying with the standard operating procedures (SOP) and checklist of Minimal Requisite Facilities for Utilization of spent solvent for recovery of solvent specified for solvent recovery units issued by CPCB. The industry shall comply with the standard operating procedures (SOP)and checklist of Minimal Requisite Facilities for Utilization of spent solvent for recovery of solvent specified for solvent recovery units issued by CPCB.
  - ix. The industry shall maintain auto tube cleaning system for secondary condensers to control VOCs.
  - x. The industry shall maintain Dedicated hazardous waste storage area for residue generated from distillation column.
  - xi. The industry has not complied with the condition of 'Installation of online analyzer for TOC at the vent outlet in time bound manner' and not provided online TOC analyzers at the vents. The industry shall install on line analyzer for VOC at the vent outlet in 6 months i.e., by 04.03.2021.
  - xii.The industry has not provided dyke wall at ash silo and not provided shed for coal storage. The industry shall provide dyke wall at ash silo within 2 months i.e., by 04.11.2020.
  - xiii.The industry disposed the spent mixed solvent to M/s. ML Chemicals, Uttar Pradesh on 25.04.2020, through hard copy manifest system, without following online manifest system, which is in-force from 01.01.2020. The industry shall dispose the hazardous waste duly following online manifest system only.
  - xiv.The industry has not provided proper labels to all the pipelines and tanks. The industry shall provide proper labels to all the pipelines and tanks within 1 month i.e., by 04.10.2020.
  - xv.The industry has not yet provided cover to 2nd HTDS collection & storage tank at ETP. The industry shall provide cover to HTDS collection & storage tank at ETP within 1 month i.e., by 04.10.2020.
2. The industry shall comply with all conditions stipulated in the EC order dt: 01.11.2006 & CRZ clearance dt: 12.09.2007 issued by the MoEF&CC.
  3. The industry shall comply with all conditions stipulated in the CFE order dt: 25.02.2020 issued by the Board.

**WATER POLLUTION:**

4. The effluent discharged shall comply with the tolerance limits mentioned below:

Outlet No.	Parameter No.	Limiting Standards
5 Raw Water (Fresh Water) RO Rejects	pH	6.5-8.5
	Total Suspended Solids	100.0 mg/l
	Total Dissolved Solids	15,000 mg/l
	Oil & Grease	10 mg/l
	Biochemical Oxygen Demand (3 days at 27 <sup>0</sup> C)	100.00 mg/l
	Chemical Oxygen Demand	250.00 mg/l
	Mercury	0.01 mg/l
	Arsenic	0.2 mg/l
	Chromium (Hexavalent)	0.1 mg/l
	Lead	0.1 mg/l
	Cyanide	0.1 mg/l
	Phenolics (C <sub>6</sub> H <sub>5</sub> OH)	1.0 mg/l
	Sulfides (as S)	2.0 mg/l
	Phosphate (asP)	5.0 mg/l
Bio-assay Test as per IS-6582-1971	90% survival of fish after 96 hrs in 100% effluent	

5. The source of water is Ground water and tankers. The following is the permitted water consumption:

S. No.	Purpose	Quantity (KLD)
1)	Process & Washings	470.0 KLD
2)	Cooling tower Makeup	150.0 KLD
3)	Boiler Feed	245.0 KLD
4)	DM Plant regeneration	30.0 KLD
5)	Softener Washings	10.0 KLD
6)	Domestic	50.0 KLD
7)	Gardening	15.0 KLD
	<b>Total</b>	<b>970.0 KLD</b>

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

- Digital flow meters with totalizers with necessary pipelines shall be maintained so as to assess the water used for different purposes and maintain them properly and also maintain the records of the readings.
- The industry shall maintain digital flow meters with totalisers at inlet of collection tank, Stripper feed, MEE feed, inlet and outlet of ETP, marine outfall separately for measuring effluent generated, treated and disposed.
- The industry shall maintain web cameras as per the CPCB directions and provide connectivity to CPCB / APPCB server. The industry shall made arrangement for alternative power supply of uninterrupted power supply to transmit the data to CPCB & APPCB.

9. The industry shall comply with CPCB directions dated 05.02.2014 / 02.03.2015 and guidelines issued regarding online monitoring systems issued from time to time. The online monitoring system shall be calibrated periodically as per equipment suppliers manual / CPCB guidelines.
10. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances. Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas.
11. The industry shall maintain tank in tank system for collection of effluent. The industry shall maintain HDPE tanks in the effluent collection tank (both locations at block and common collection point). The effluent shall be connected to the HDPE tanks and from the HDPE tanks, effluent shall be pumped to the ETP. Free space shall be maintained around the HDPE tanks to observe leakages if any.
12. The industry shall segregate the effluents and treat separately as stipulated. The industry shall operate Stripper, MEE & Drier and Effluent Treatment Plant (ETP). All the units of the ETP system shall be impervious to prevent ground water pollution.
13. The industry shall maintain container detoxification facility. Container & Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tank after characterization.
14. The industry shall provide and maintain storm water drains and connect to the storm water tank collection sump.
15. The industry shall provide and maintain rainwater runoff tank for collection and storage of first flush storm water for first 15 minutes of rain. The industry shall maintain dry condition outside drains in non-rainy season.
16. The industry shall provide and maintain hood to HTDS & LTDS effluent storage tanks and vent connected to the scrubber.

**AIR POLLUTION:**

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

Chimney No.	Parameter	Emission Standards
1 to 5	Particulate Matter	100 mg/Nm <sup>3</sup>
15-34	Acid mist	35.mg/Nm <sup>3</sup>

18. The industry shall comply with ambient air quality standards of PM10 - 100 micrograms/ m3; PM2.5 - 60 micrograms / m3; SO2 - 80 micrograms / m3; NOx - 80 micrograms / m3, Ammonia - 400 micrograms / 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)

19. 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 and G.S.R.448 (E), dated 12.07.2004 under the Environment (Protection) Act Rules. 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.
20. The industry shall operate CAAQM station for monitoring SPM, SO2, NOx, VOCs, Ammonia with recording facility and connected to PCB website.

21. The industry shall maintain dedicated two stage scrubbers to the process vents to control the process emissions. The industry shall maintain online pH measuring facility with auto recording system to the scrubbers provided to treat the process emissions. Scrubbed liquid shall be recycled as far as possible and finally sent for further treatment as stipulated.
22. The industry shall maintain VOC analyzers with recording facility at strategic locations. The industry shall maintain data logging facility to the VOC analyser.
23. The evaporation losses in solvents shall be controlled by taking suitable measures, which include:
  - i. Chilled brine circulation to effectively reduce the solvent losses into the atmosphere.
  - ii. Transfer of solvents by using pumps and closed conveyance instead of manual handling.
  - iii. Closed centrifuges be used due to which solvent losses are reduced drastically.
  - iv. The reactor vents are connected with primary & secondary condensers to catch the solvent vapours.
  - v. All the solvent storage tanks are connected with vent condensers to prevent solvent vapours.

**GENERAL:**

24. The industry shall not manufacture new products and not exceeding the production quantity, other than those mentioned in this order without CFE & CFO of the Board.
25. 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.
26. The industry shall comply with the Standard Operating Procedure (SoP) and Checklist of Minimal Requisite Facilities for Utilization of Spent Solvent for Recovery of Solvent specified for Solvent Recovery Units issued by CPCB.
27. The industry shall follow the SOP for Safe and Scientific Spent Solvent Handling, Processing and Storage.
28. The industry shall evaluate the performance of solvent recovery system for each stream-wise and shall furnish plan of action to maintain the efficiency of solvent recovery more than 95% for each stream wise.
29. The industry shall send the used /spent solvents to the APPCB recyclers (or) shall process them at their own solvent recovery plant within the plant premises.
30. The industry shall take all safety measures and provide firefighting equipment in the plant.
31. The industry shall maintain the following log books 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 to CETP.
  - c. Log Books for pollution control systems.
  - d. Characteristics of effluents and emissions.
  - e. Hazardous/non hazardous solid waste generated and disposed.
  - f. Inspection book.
  - g. Manifest copies of effluents / hazardous waste.
  - h. Furnish consolidated daily records on the above periodically once in three months to the RO.
32. The industry shall not use odour causing substances such as Mercaptan or cause

- odour nuisance in the surroundings.
- 33.The industry shall develop green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry.
- 34.The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Board.
- 35.The industry shall comply with the Regulation of Persistent Organic Pollutants Rules, 2018 notified by the MoEF&CC Notification vide G.S.R. 207 (E) dated 30.05.2018. As per the notification, the following 7 chemicals are prohibited to manufacturer, trade, use, import and export:
- a. Chlordecone,
  - b. Hexabromobiphenyl,
  - c. Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octa-BDE),
  - d. Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial penta-BDE),
  - e. Pentachlorobenzene,
  - f. Hexabromocyclododecane and
  - g. Hexachlorobutadine.
- 36.The following rules and regulations notified by the MoF&CC, Gol shall be implemented.
- a. Hazardous Waste and Other Wastes (Management and Transboundary Movement) Rules, 2016.
  - b. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
  - c. Fly ash notification, 2016.
  - d. Batteries (Management & Handling) Rules, 2010.
  - e. E-waste (Management) Rules, 2016.
  - f. Construction and Demolition waste Management Rules, 2016.
- 37.The industry shall renew the PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Vizianagaram on yearly basis.
- 38.The industry shall update the information in OCEMS - Industry Information Data Entry Software for Compliance Reporting Protocol in PART-II (Sections F & G) Every Quarter on 1st January, 1st April, 1st July and 1st October through this software system.
- 39.Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.
- 40.The industry shall inventory the storage quantities of hazardous chemicals (raw materials), products, as per the hazard nature of reactivity / toxicity / flammability / explosive stored/handling in the premises as defined in the Management of Storage, Import of Hazardous Chemicals (MSIHC) Rules, 1989 and the details shall be furnished to the Factories Department and to the Regional Office, APPCB on monthly basis duly certifying the same.
- 41.The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health & environment and the details shall be furnished to the Factories Department and to the Regional Office, APPCB time to time duly certifying the same by the industry. Further the industry shall extend training to the working personnels while handling hazardous chemicals for prevention of accidents and necessary antidotes to ensure the safety, as per the MSIHC Rules, 1989.
- 42.The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to

the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.

43. The industry shall carry out calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
44. The industry shall inventory the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional Office, APPCB on monthly basis duly certifying the same by the industry.
45. The industry shall submit the self-certification on compliance of all the conditions stipulated in the CFO & HWA order.

**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 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.

**Specific Conditions:**

10. The industry shall send the Sodium Bromide Water - 14 KLD generated during manufacture of Tenofeir in stage-II as by-product to the authorized manufacturers of

11. Bromine or Sodium Bromide.
12. The industry shall enter an agreement with the Cement industries for disposal of incinerable waste or shall dispose to Alternative Fuel Raw material facility (AFRF) OR to TSDF for co-incineration.
13. The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.
14. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
15. The industry 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.
16. The industry shall transport the hazardous waste to cement industries only through vehicle fitted with GPS tracking system.
17. The industry 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.
18. The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation 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 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
19. Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.

The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

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