



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
**Dr. YSR. Paryavaran Bhavan, APIIC Colony Road,**  
**Gurunanak Colony, Autonagar, Vijayawada- 520007**  
 Website: <https://pcb.ap.gov.in/>



## CONSENT TO OPERATE & HAZARDOUS WASTE AUTHORIZATION ORDER

**Consent Order No. 333938/APPCB/VJA/OGL/CTO&HWA/HO/2024 16/12/2024**

CONSENT is hereby granted to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 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. Bhagiradha Chemicals & Industries Ltd.,**  
**(Change of Product-mix)**  
**Sy Nos. 191, 213 to 217 & 220,**  
**Cheruvukommupalem (V), Ongole (M),**  
**Prakasam District.**  
**E-mail: [info@bhagirad.com](mailto:info@bhagirad.com), [vnarayana.m@bhagirad.com](mailto:vnarayana.m@bhagirad.com)**

(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	Process Effluents (HTDS & Low TDS effluents)	107.92	<ul style="list-style-type: none"> <li>• Shall be stripped off for organics recovery and routed through M/s. Andhra Pradesh Environment Corporation Limited (APEMCL), to dispose to cement plants for co-processing / TSDF for incineration.</li> <li>• Stripper concentrate to MEE</li> <li>• MEE Condensate to Biological treatment plant followed by RO.</li> <li>• MEE concentrate to ATFD.</li> <li>• MEE &amp; ATFD condensate to Biological Treatment Plant followed by RO.</li> <li>• ATFD salts to TSDF landfill</li> </ul> <p>The industry shall maintain ZLD system for treatment and disposal of process effluent</p>
2	Non-process Effluents (Boiler blow down & Cooling tower)	44.0	<ul style="list-style-type: none"> <li>• Biological treatment plant followed by RO</li> <li>• The RO permeate shall be utilized for cooling tower makeup and RO rejects shall be sent to MEE.</li> </ul>

	blow down)		The industry shall maintain ZLD system for treatment and disposal of non process effluent
3	Domestic	21.0	<ul style="list-style-type: none"> <li>Sewage treatment plant (50 KLD) followed by RO (100 KLD).</li> <li>The RO permeate to cooling tower makeup and RO rejects to MEE.</li> </ul>
	<b>Total:</b>	<b>172.92</b>	
		<b>KLD</b>	

**ii) Emissions from chimneys:**

Chimney No.	Description of Chimney
1	Stack attached to 1 x 12 TPH FBC Boiler (Another 12 TPH Furnace oil fired boiler as standby)
2	Stack attached to 1 x 8 TPH FBC Boiler (Another 5 TPH Coal fired boiler as standby)
3	Stack attached to 3 x 500 KVA, 1 x 250 KVA & 1 x 750 KVA D.G. Sets

**iii) HAZARDOUS WASTE AUTHORISATION (FORM – II) [See Rule 6 (2)]:**

M/s. Bhagiradha Chemicals & Industries Ltd., Sy Nos. 191, 213 to 217 & 220, Cheruvukommupalem (V), Ongole (M), Prakasam District 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 the Hazardous Waste	Stream	Quantity	Disposal Option
1.	Process organic residue	29.1 of Schedule-I	1516 Kg/day	Shall be routed through M/s. APEMC, to send to authorized cement industries for co-processing (or) TSDF for incineration.
2.	Inorganic Solid waste from process effluent, ATFD	28.1 of Schedule-I	14364 Kg/day	Shall be routed through M/s. APEMC, to send to TSDF for secured land filling.
3.	ETP Sludge	35.3 of Schedule-I	25 Kg/Day	Shall be routed through M/s. APEMC, to send to authorized cement industries for co-processing (or) TSDF for incineration.
4	Date expired, discarded and off specification raw material/product	29.3 of Schedule-I	1 TPM	Shall be routed through M/s. APEMC, to send to the cement industries for co-processing or TSDF.
5	Used Membranes from Water Treatment Plants	35.2 of Schedule-I	2 TPM	Shall be routed through M/s. APEMC, to send to TSDF for landfilling or to the cement industries for co-processing

6	General waste (Insulation puff, insulation wool, used PPE, Nitrile rubber, paper waste, packing material waste, PFFRP)	33.2 of Schedule-I	5 TPM	Shall be routed through M/s. APEMC, to send to cement industries for co-processing / TSDF / Recyclers.
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**• HAZARDOUS WASTES WITH RECYCLABLE OPTION:**

S. No	Name of the Hazardous Waste	Stream	Quantity	Disposal Option
1	Waste oil & Grease	5.1 of Schedule-I	1.4 LPD	Proposed to uses as lubricant within the premises (or) Shall be routed through APEMC, to send to authorized re-processors / recyclers / to the cement industries for co-processing
2	Used filters contaminated with Oil	5.2 of Schedule-I	12 Nos / annum	Shall be routed through APEMC, to authoised re-processors / recyclers / cement industries.
3	Used Lead acid batteries	17 of Schedule - IV	4 Nos / annum	Shall be routed through APEMC, to dispose the same to supplier on buyback basis.

**The CTO & HWA Order No: APPCB/VJA/NLR/10491/CFO/HO, dated 02.01.2023 stands cancelled from the date of issue of this order.**

**This consent order is valid for manufacture of the following products with quantities indicated below only:**

**Group-A**

S. No.	Name of the Product	Quantity Kg/day (After Change of product mix)
Combination-I	Chlorpyriphos or	4000
	Chlorpyriphos Methyl or	3500
	Azoxystrobin or	1600
	Dinotefuron or	4000
	Pymetrozine or	3500
	4-amino-2,5 dimethoxypyrimidine (4-ADMP) or	1200
	Acequinocyl or	1300
	Thiamethoxam or	4000
	Thiamethoxam or	1750
	Chlorantraniliprole or	1500
	Acetamidrid or	4000
	Indoxacarb or	4000
	Tebucanazole or	4000
Pyrazosulfuron or	4000	

	Chlorantraniliprole	4000
Combination -II	2,6-Dichloroaniline or	2000
	Lambda Cyhalothrin or	1000
	Dinotefuron or	2000
	Pyrazole or	0
	Pymetrozine or	500
	Mesosulfuron or	2000
	CAS No 247236-09-5 or	1500
	Quinalphos or	2000
	Tembotrione	2000
Combination -III	TFMA or	0
	Azoxystrobin or	2000
	4-amino-2,5 dimethoxypyrimidine (4-ADMP) or	0
	Acequinocyl or	0
	Triclopyr Technical or	3500
	Diafenthiuron or	3000
	Imidacloprid or	2000
	Thiamethoxam or	0
	Thiamethoxam or	0
	Clodinafop-Propargyl or	3500
	Cloquintocet-mexyl or	3000
	Fluroxypyr Technical or	3500
	Fipronil or	1500
	Trifloxystrobin or	2000
	Bifenthrin or	3500
	Thifluzamide or	3500
	Flubendamide or	3500
Tolfenpyrad	3000	
Combination IV	Fipronil or	1900
	Sulfosulfuron or	1000
	Ethiprole or	1250
	Pinoxaden or	750
	Bispyribac or	0
	4-amino-2,5-dimethoxypyrimidine (4-ADMP) or	900
	Chlorpyrifos or	3000
	Dinotefuron or	3200
	Pymetrozine or	2750
	Diafenthiuron or	3000
	Difenconazole or	3200
	Novaluron or	3000
	Pyriproxyfen or	3200

	Sulfantrazone or	3200
	Diclosulam or	3000
	Trifloxystrobin(N-1)	3000
Combination-V	R&D and Pilot plant Products	500

**Group-B**

S. No	Name of the Product	Quantity
	<b>Emulsifiable Formulations</b>	
1	Chlorpyriphos	5.0 KLD
2	Chlorpyriphos-Methyl	5.0 KLD
3	Triclopyr	5.0 KLD
4	Fluroxypyr	5.0 KLD
5	Imidacloprid	5.0 KLD
6	ClodinafopPropargyl	5.0 KLD
7	Fipronil	5.0 KLD
	<b>Wettable Powder</b>	
1	Clodinafop – 15%	5.0 TPD
	<b>Wettable Granules</b>	
1	Imidacloprid – 70%	5.0 TPD
2	Fipronil -80%	5.0 TPD
3	Thiamethoxam – 25%	5.0 TPD
	<b>Suspension Concentrates</b>	
1	Fipronil – 5%	5.0 TPD
2	Buprofezin – 25%	5.0 TPD

The industry shall manufacture 39 no. of Pesticide Technical Products and manufacture one product from each combination of Group-A products and one product from Group – B at any point of time. The total of pesticide production shall not exceed 3250 TPA as permitted in the EC order, dt. 21.10.2008

**By Products:**

S.no.	By-Product	Quantity Kg/Day		Source of the By - product
1	R-Copper chloride	557	Sale	Chlorpyriphos (or)
2	Methyl Acetate	4435	Sale	Azoxystrobin
3	Acetic Acid	2959	Sale	Azoxystrobin
4	30 % Aqueous Hcl	17927	Reuse/sale	Chlorantraniliprole, CAS No. 247236-09-05, Fipronil
5	R-POCl <sub>3</sub>	4059	Sale	Azoxystrobin
6	20% Aqu's Ammonia	3272	Reuse/sale	Azoxystrobin, CAS No;247236-09-5, Fluroxypyr, Diafenthiuron
7	R-Sodium sulfite	4285	Sale	Azoxystrobin, Tembotrione, Clodinafop-Popargyl, Talfenpyrd
8	Spent Acid	22513	Sale	4-ADMP, 2,6 DCA, Fipronil

9	30% Aqueous HBr	7697	Reuse/sale	Chlorantraniliprole, Diafenthiuron, Difenconazole
10	36 % Aqu's Hcl	2062	Reuse/sale	2,6 DCA
11	R-Potassium sulfate	935	Sale	Diafenthiuron
12	R-Potassium Chloride	3500	Sale	Fipronil, Diafenthiuron, Difenconazole
13	R-PTSA Salt	4431	Sale	Fipronil
14	R-DMA 40%	2048	Sale	Fipronil

The industry shall submit disposal (sale) details of the above by-products every month to the concerned Regional Office & Zonal Office. In case the by-products cannot be sold in the market due to any reasons, the byproducts shall be treated as waste and disposed as per the norms.

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 order is issued subject to final orders of Hon'ble High Court in WP No: 6873 of 2023.**

This combined order of Consent & Hazardous Waste Authorization shall be valid for a period ending with the **28<sup>th</sup> day of February, 2028.**

**S SRI SARAVANAN, MS(SS), O/o MEMBER SECRETARY-APPCB**

**To**

**M/s. Bhagiradha Chemicals & Industries Ltd.,  
Sy Nos. 191, 213 to 217 & 220,  
Cheruvukommupalem (V), Ongole (M),  
Prakasam District.**

**Copy to:**

1. The JCEE, Zonal Office, **Vijayawada** for information and necessary action.
2. The EE, Regional Office, **Ongole** 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.
9. 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.
10. 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.
11. 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.
12. The industry may explore the possibility of tapping the solar energy for their energy requirements.
13. The industry should educate the workers and nearby public of possible accidents and remedial measures.

**SCHEDULE-B**

**The case was placed in the Consent Management (CTO) committee meeting held on 11.11.2024. The industry shall comply with the following conditions:**

**WATER POLLUTION:**

1. The industry shall treat the domestic effluents and shall comply the following effluent standards as per the MoEF&CC notifications of as per G.S.R. 1265 (E) dated 13.10.2017:

Outlet No	Parameter	Concentration
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3	pH	6.50 – 8.50
	Suspended Solids	100.0mg/l
	Oil & Grease	10.0mg/l
	Biochemical Oxygen Demand(BOD)	30.0mg/l
	Fecal coliform (FC) (Most Probable Number per 100 milliliter,MPN/100ml)	< 1000

2. The source of water is Bore wells. The following is the permitted water consumption:

S. No	Purpose	Quantity ( in KLD)		
		Fresh	Recycled	Total
1.	Process & Washings	55.2	14.12	69.32
2.	Boiler Feed	126	--	126
3.	Industrial Cooling (Makeup)	74	110.88	184.88
4.	Domestic	21	-	21
5.	Gardening	30	21	51
	<b>Total</b>	<b>306.2</b>	<b>146</b>	<b>452.2</b>

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

- The industry shall maintain digital flow meters for the stripper, MEE, ATFD, Biological ETP and RO plant to verify the actual effluent treated and the same be connected to APPCB website.
- The industry shall maintain 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.
- The industry shall maintain ZLD system for treatment and disposal of process & non process effluent.
- All the units of the ZLD system area shall be maintained impervious to prevent ground water Pollution. The units of ZLD system shall be maintained above the ground level. Effluents shall not be discharged on land or into any water bodies or aquifers under any circumstances. The quantity of effluent generation details shall be furnished to concerned RO from time to time.
- The industry shall provide the standby MEE for treating the trade effluents. The industry shall stop their production activity, if any unforeseen breakdown in ZLD occurs. No trade / treated effluents shall be stored openly within industry premises.
- The industry shall maintain 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 low TDS collection tank.
- Storm / rain water shall not be allowed to mix with the effluent, treated sewage, scrubber water or floor washings. Storm water within the battery limits of the industry shall be channelized through separate drains.
- The industry shall furnish study report of ground water quality trends and consolidated records in the surroundings villages carried out by NABL accredited third party agency and submit reports to concerned RO and ZO.
- The industry shall establish an infrastructure for regular monitoring of ground water quality at upstream and downstream of the unit, ETP area, greenbelt area and surrounding villages for every three months.

#### **AIR POLLUTION:**

- The industry shall comply with the industry specific standards with respect to

emissions tank farm vents stipulated by the MoEF&CC, GoI, New Delhi vide Notification GSR 541(E), dated 06.08.2021.

Source	Parameter	Emission Standards in mg/Nm <sup>3</sup>
1 & 2	Particulate Matter	115 mg/Nm <sup>3</sup>
Tank farm vents	HCl	35
	NH <sub>3</sub>	30
	Chlorine	15
	Benzene	5
	Toluene	100
	Acetonitrile	1000
	Dichloromethane	200
	Xylene	100
	Acetone	2000

13.The process & fugitive emissions shall not contain constituents in excess of the prescribed limits mentioned below for the pesticide technical & formulation manufacturing industry, as per the MoEF&CC notifications of G.S.R. 446 (E), Dt.13.06.2011:

Source	Parameter	Emission Standards
Pesticide industry's Scrubber vents & Process vents	HCl	20 mg/Nm <sup>3</sup>
	Cl <sub>2</sub>	5 mg/Nm <sup>3</sup>
	H <sub>2</sub> S	5 mg/Nm <sup>3</sup>
	P <sub>2</sub> O <sub>5</sub> as H <sub>3</sub> PO <sub>4</sub>	10 mg/Nm <sup>3</sup>
	NH <sub>3</sub>	30 mg/Nm <sup>3</sup>
	Pesticide compounds in the form of Particulate Matter	20 mg/Nm <sup>3</sup>
	CH <sub>3</sub> Cl	20 mg/Nm <sup>3</sup>
	HBr	5 mg/Nm <sup>3</sup>

14.The industry shall carryout scrubber vents monitoring by reputed 3<sup>rd</sup> party agency and submit the reports to concerned RO & ZO.

15.The industry shall comply with ambient air quality standards of PM<sub>10</sub> (Particulate Matter size less than 10mm) - 100 mg/ m<sup>3</sup>; PM<sub>2.5</sub> (Particulate Matter size less than 2.5 mm) - 60 mg/ m<sup>3</sup>; SO<sub>2</sub> - 80 mg/ m<sup>3</sup>; NO<sub>x</sub> - 80 mg/m<sup>3</sup>, 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)

16.The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R. 804(E), dated 03.11.2022, 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.

17.The industry shall properly operate the multi stage scrubbers for scrubbing of process

emissions. The industry shall maintain online pH measuring facility with auto recording facility for scrubbers and connect to APPCB website. Scrubbed liquid shall be recycled as far as possible and finally sent to ETP for further treatment.

18. The industry shall send the used / spent solvents to the recyclers (or) process them at their own solvent recovery facility within the premises.
19. 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 be used due to which solvent losses are reduced drastically.
  - d. The reactor vents connected with primary & secondary condensers to catch the solvent vapours.
20. The industry shall not use odour causing substances such as Mercaptan or cause odour nuisance in the surroundings.
21. The industry shall get the odour assessment study & VOCs and their impact in and around their premises, conducted by NEERI for the proposed change of product mix after commencement of operations.
22. The industry shall carry out continuous monitoring of odour levels LDAR (LEL) and VOC concentration as recommended by NEERI.
23. The industry shall maintain effective sprinkler system to control fugitive emissions at coal stock yard and report compliance to concerned RO.
24. The industry shall maintain VOC monitoring system with auto recording facility to all the production blocks and shall place the VOC meter in such a way towards Village habitations and downwind directions and transmit the data to APPCB website continuously.

**Solid waste:**

23. The industry shall not dispose any non-hazardous waste outside the industry premises. The industry shall dispose other non-hazardous wastes as per the disposal option specified below:

<b>Sl. No.</b>	<b>Name of Waste</b>	<b>Quantity</b>	<b>Method of disposal</b>
1.	Boiler Ash	13.5 TPD	Shall be disposed to brick manufacturers.

**GENERAL:**

24. The industry shall not manufacture any product, other than those mentioned in this order, without CFE & CFO of the Board. The industry should not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.
25. The industry shall maintain the records of by-products generation & its utilization in process and its quantity of disposed to other units for reuse
26. The industry shall properly operate and maintain online real time monitoring system along with web camera facilities and shall ensure that it is connected to APPCB / CPCB websites as per CPCB directions dt. 05.02.2014 / 02.03.2015.
27. The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter 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.

28. The industry shall maintain the monitoring system to all the stacks in the plant. Regular monitoring shall be carried out and report shall be submitted to the concerned Regional Office.
29. 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.
30. The industry shall store hazardous waste in closed sheds with dyke wall leachate collection sump.
31. The industry shall store the coal & Boiler ash in closed rooms only. The industry shall not store the coal & Boiler ash openly.
32. The industry shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
33. Thick green belt shall be maintained with native species all along the boundary & vacant spaces with tall growing trees with good canopy and it shall not be less than 33 % of the total area.
34. The industry shall implement adequate measures to control all fugitive emissions from the plant.
35. The following rules and regulations (as amended and upgraded from time to time) notified by the MoEF&CC, GoI shall be implemented.
  - a. Regulation of Persistent Organic Pollutants Rules, 2018.
  - b. Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
  - c. Plastic Waste Management Rules, 2022.
  - d. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
  - e. Fly Ash Notification, 2016.
  - f. Battery Waste Management Rules, 2022.
  - g. E-Waste (Management) Rules, 2022.
  - h. Construction and Demolition waste Management Rules, 2016.
  - i. Solid Waste Management Rules, 2016.
  - j. The Public Liability Insurance Act, 1991 and its amendments thereof.
  - k. Bio Medical Waste Management Rules, 2016
36. 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.
  - b. Quantity of Effluents generated, treated, recycled/reused and disposed.
  - 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 hazardous waste.
37. The industry shall renew the fire NOC & PESO from time to time and shall submit a copy at concerned RO.
38. The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO on yearly base.
39. The industry shall carry out mock drills at least once in six months, as required under the MSIHC Rules, 1989 and submit the report to concerned RO.
40. The industry shall comply with the SoP issued by CPCB for Solvent Recovery units dated 22.03.2021. The total cumulative losses of solvents shall not be more than 5% of the solvent on annual basis from storage inventory.
41. 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.

42. 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:
- Chlordecone,
  - Hexabromobiphenyl,
  - Hexa bromo diphenyl ether and hepta bromo diphenyl ether (commercial octa-BDE),
  - Tetra bromo diphenyl ether and penta bromo diphenyl ether (commercial penta-BDE),
  - Penta chloro benzene,
  - Hexabromocyclododecane and
  - Hexa chloro butadine.
43. The industry shall submit the Environmental Statement in Form – V.
44. The industry shall comply with standards and directions issued by CPCB /MoEF&CC as and when notifications are issued.
45. The industry shall comply with the Task Force directions issued in Stop production order Dt.10.02.2020 and shall comply the Task Force directions issued from time to time.
46. The industry shall conduct safety report for the proposed new products as applicable within 4 - 6 weeks.
47. The industry shall follow the CPCB guidelines regarding the manufacture of by-products (i.e, sodium cyanide etc.,)
48. The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.
49. The conditions stipulated are without prejudice to the rights and contentions of this board in any Hon'ble court of law.
50. The industry shall comply with standards and directions issued by APPCB / CPCB / MoEF& CC as and when notifications are issued from time to time.
51. 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.
52. The industry shall install digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, Treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CFO; and exhibit the CFO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.

**Special Conditions:**

51. The industry shall inventorize the storage quantities of hazardous chemicals (raw materials), products, as per the hazard nature of reactivity/ toxicity/flammability/ explosive materials stored/handling in the premises as defined in the 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.
- 52.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 personnel's while handling hazardous chemicals for prevention of accidents and necessary antidotes to ensure the safety, as per the MSIHC Rules, 1989 and Amendments thereof.
- 53.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 and Amendments thereof.
- 54.The industry shall carryout calibration of safety equipments 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.
- 55.The industry shall inventorize 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.
- 56.The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
- 57.The industry shall comply with the technical suggestions at Chapter No. 7.3 & 7.4 for Hazardous Chemical handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. The HPC report is available at [www.ap.gov.in](http://www.ap.gov.in).
- 58.The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.
- 59.**This order is issued subject to final orders of Hon'ble High Court in WP No: 6873 of 2023.**

**SCHEDULE – C**

***[See rule 6 (2)]***

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

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorization.
4. Any un authorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization 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 authorized 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 authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorization 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. 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.
11. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
12. The authorized person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
13. The authorized 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 buy back basis.
14. The authorized 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.
15. The authorized 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.
16. The authorized 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.

**S SRI SARAVANAN, MS(SS)., O/o MEMBER SECRETARY-APPCB**

**To**

**M/s. Bhagiradha Chemicals & Industries Ltd.,  
Sy Nos. 191, 213 to 217 & 220,  
Cheruvukommupalem (V), Ongole (M),  
Prakasam District.**