



ANDHRA PRADESH POLLUTION CONTROL BOARD

D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada - 520010

CONSENT & AUTHORISATION ORDER

Consent Order No : APPCB/KNL/KNL/250/CFO&HWM/HO/2018-

Date: 21.06.2018

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 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Agrisol (India) Pvt Ltd,
(Phase-I),
Sy.No.163, 164 & 165,
Udumulapadu (V),
Dhone (M), Kurnool District.**

(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) Out lets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge (Phase - I)	Point of Disposal
1.	High TDS Effluents (having TDS & COD >15,000 mg/ ltr) from Process - 36.9 KLD, Reactor & Floor Washings - 5 KLD, Scrubber - 3 KLD, RO/DM rejects from pre-treatment of raw water - 10 KLD.	54.9 KLD	The stripper condensate shall be disposed to Cement Industries for Co-Processing. The stripper bottom residue shall be treated in MEE. MEE concentrate to ATFD. ATFD salts to TSDF, Parawada. The MEE and ATFD condensate shall be mixed with low TDS effluents and treated in Biological ETP followed by RO system. The RO rejects to MEE System. RO Permeate shall be reused in cooling tower make up.
2	Low TDS effluents (having TDS & COD <15,000 mg/ ltr) from Boiler blow down - 2 KLD, and Cooling tower blow downs -12 KLD.	14.5 KLD	The treated waste water is further treated in RO system. The RO permeate shall be reused for cooling tower makeup. RO rejects shall be sent to the MEE system for evaporation.
3.	Domestic effluents	7 KLD	Treated sewage shall be used for onland gardening with the premises.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney
1.	Stack attached to the 8.0 TPH coal fired Boiler
2.	Stack attached to the DG Sets - 3 No's of 1000 KVA each

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

M/s. Agrisol (India) Pvt Ltd, Sy.No.163, 164 & 165, Udumulapadu (V), Dhone (M), Kurnool 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 RECYCLE OPTION:**

S. No.	Name of hazardous waste	Stream	Quantity	Disposal Option
1.	Process Organic Residue	29.1 of Schedule -I	5.90	To TSDF/Cement Industries for co processing
2.	Solvent Residue	29.1 of Schedule -I	2	
3.	Evaporation Salts	34.3 of Schedule -I	5.76	To TSDF, Parawada for secured landfill
4.	ETP Sludge	34.3 of Schedule -I	0.35	
5.	Stripper Distillate	23.2 of Schedule -I	1.13	To Cement industries for Co-incineration
6.	Spent Solvents	29.4 of Schedule -I	60 KLD	Recovered within the plant premises.
7.	Mixed Solvents	29.4 of Schedule -I	7.2 KLD	To authorized recovery units / Cement plants for co-incineration
8.	Containers & Container liners	33.1 of Schedule -I	1200 No's/annum	After complete detoxification, shall be sold to Authorized agencies.
9.	Waste oil	5.1 of Schedule -I	0.23 KL/month	To authorized recyclers / reproprocessors
10.	Used batteries	17 of Schedule -IV	15 No's/annum	Sold to Battery manufacturers / dealers on buy back basis.

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

Sl. No.	Products / Line of Activity	Consented capacity as per CFE Order dt. 27.03.2017 in Kgs/day (Phase-I)	No.of Stages	Name of the starting Raw material	Quantity (Kg/day)
1.	Cartap Hydrochloride	4000	1	Monosultap	6745
2.	Clodinafop Propargyl	1000	1	Chloral	500
3.	Diafenthuron	2000	1	2,6-disoppropyl aniline	980
4.	Glyphosate	4000	1	N-(phosponomethyl) iminodiacetic acid	6075
5.	Imidacloprid	2000	1	2-chloro-5 chloromethyl pyridine (CCMP)	1656
6.	Thiomethaxam	4000	1	5- Methyl - 4 - Nitroimino terahydro - 1,3,5- Oxadiazine with 2-chloro - 5- chloromethyl thiazole	2485

Total Phase- I (3 Products on Campaign Basis): 12,000 Kgs/day.

By - products:

S.No	Products	By Products	Quantity of Generation
1	Cartap Hydrochloride	Sodium Sulphite	3682.7 Kgs/day
2	Clodinafop Propargyl	Potassium Chloride	639.5 Kgs/day.
3	Diafenthuron	Calcium Chloride	764 Kgs/day
4	Thiomethaxam	Potassium Chloride	1022 Kgs/day

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 Authorisation shall be valid for a period ending with the **30.04.2021**.

CHAIRMAN

To
M/s. Agrisol (India) Pvt Ltd,
(Phase-I)
Sy.No.163, 164 & 165, Udumulapadu (V),
Dhone (M), Kurnool District.

Copy to:

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

SCHEDULE - A

1. Any up-set condition in 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. Not withstanding 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 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.
7. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016 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 & Haz & Other Wastes Authorization of the Board.
8. 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.

SCHEDULE - B

WATER POLLUTION:

1. The source of water is bore well. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

S. No.	Purpose	Fresh Water Quantity (KLD)	Recycled Water Quantity (KLD)
		Phase I	Phase I
1.	Process	32.8	---
2.	Washings	5	---
3.	Scrubber	3	---
4.	Boiler Feed	40	---
5.	Cooling Tower	20	65
6.	RO/DM Plant	10	---
7.	Domestic	8	---
8.	Gardening	10	7
Total		128.8	72.0

2. The industry shall provide separate water meters for assessing the water consumption used for Process, Reactor & Floor Washings, Scrubber, Boiler Blow down, Cooling Tower Blow down RO/DM Plant and Domestic purposes within one month and maintain records for the same.
3. The industry shall provide magnetic flow meters with totalizes at the inlet and outlet of Stripper, MEE, ETP within one month.
4. The industry shall segregate effluents into HTDS & LTDS streams at source & adopt requisite treatment to maintain zero liquid discharge (ZLD).
5. The industry shall not discharge effluents / waste water into any water bodies or aquifers under any circumstances.
6. The industry shall treat aqueous layer (13.8 KLD) containing Sodium Cyanide of concentration 24,500 mg/ltr generated in the manufacturing of Cartap HCL with chlorine gas at high pH in the presence of Sodium Hydroxide. After completion of the reaction, the water shall be evaporated and condensed and reused in stage-II of next batch. The resultant residue (Sodium Chloride) shall be collected and lifted to TSDF, Parawada for secured land filing.
7. The industry shall construct and commission Sewage Treatment Plant (STP) of capacity 10 KLD proposed for Phase-I for treatment of domestic effluents within 3 months.

AIR POLLUTION:

8. The emission shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	Emission Standards
1	Particulate Matter	115 mg/Nm ³

9. The industry shall comply with emission standards for pesticides manufacturing industry issued by MoEF, GOI vide G.S.R. 446(E) dt.13th June 2011.
10. The industry shall comply with emission limits for DG sets 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 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.
11. The industry shall comply with ambient air quality standards of PM₁₀(Particulate Matter size less than 10µm) - 100 µg/ m³; PM_{2.5}(Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO₂ - 80 µg/ m³; NO_x - 80 µg/m³, NH₃ - 400 µg/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)

GENERAL:

12. The industry shall not manufacture any product, other than those mentioned in this order and shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.

13. The industry shall provide for meter and web camera at the outlet of RO permeate which is used for cooling tower makeup. The industry shall connect the flow meter and the web camera to the website of CPCB immediately.
14. The industry shall provide online pH measuring facility with auto recording system to the scrubbers provided to treat the process emissions.
15. The industry shall provide VOC monitoring system with auto recording facility within 3 months.
16. The proponent shall place the chemical drums and / or any drums in a shed provided with concrete platform only. The Platform shall be provided with sufficient dyke wall and effluent collection system.
17. The industry shall provide detoxification facility for detoxification of containers and container liners before disposing to outside agencies. 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 for treatment and disposal.
18. The industry shall ensure implementation of requisite measures to prevent air pollution, fugitive emissions & odour nuisance in the surrounding area.
19. The industry shall obtain membership in TSDF, Parawada for disposal of Hazardous waste.
20. 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. Characteristics of effluents and emissions.
 - c. Quantity of Effluents generated, recycled/reused.
 - d. Log Books for pollution control systems.
 - e. Hazardous/non hazardous solid waste generated and disposed.
 - f. Manifest copies of effluents / hazardous waste.
 - g. Inspection book.

21. The industry shall dispose solid waste (NON HAZARDOUS) as follows:

S. No.	Name of the waste	Qty	Disposal Option
1.	Ash from Boiler	10.8 TPD	Shall be sold to Brick manufactures.

22. 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.
23. The industry shall comply with the conditions stipulated in the CFE order dt.27.03.2017.
24. The industry shall develop and maintain greenbelt in an area of 33% of the total area in the premises in the coming monsoon season.

SCHEDULE - C

[See rule 6(2)]

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

1. The operator should follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 notified by the Ministry of Environment & Forests, Government of India.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
3. 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.
4. The industry shall maintain 6 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.
5. The industry shall maintain proper records for Hazardous Wastes stated in Authorisation in FORM-3 and file annual returns in Form- 4 as per Rule 20(2) of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.

CHAIRMAN

To
M/s. Agrisol (India) Pvt Ltd,
(Phase-I),
Sy.No.163, 164 & 165, Udumulapadu (V),
Dhone (M), Kurnool District.