



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamavari Street, Kasturibaipet, Vijayawada - 520 010

**Amendment Consent Order No : APPCB/VSP/VSP/409/CFO/HO/2019**      25/06/2019

**Sub : M/s. Vasudha Pharma Chem Limited, Unit - V, Plot No. 24, 24A & 24B, De-Notified Area, APSEZ, Lalamkoduru(V), Rambilli (M), Visakhapatnam District – Air & Water Consent order – Amendment - Issued - Reg.**

- Ref :
1. CFO committee meeting held on 28.02.2019.
  2. CFO & HWA Order No : APPCB/VSP/VSP/409/HO/CFO/2019 Date: 09.03.2019, valid up to 31.01.2022.
  3. CFE (Amendment) order No.409/APPCB/CFE/RO-VSP/2017, dated 17.03.2019
  4. Industry's e-mail dt: 08.04.2019.

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The Board vide reference 2<sup>nd</sup> cited, issued CFO & HWA to M/s. Vasudha Pharma Chem Limited, Unit - V, Plot No. 24, 24A & 24B, De-Notified Area, APSEZ, Lalamkoduru(V), Rambilli (M), Visakhapatnam District with a validity period upto 31.01.2022 duly stipulating conditions in Schedule - A, B & C.

The Board vide reference 3<sup>rd</sup> cited issued CFE (amendment) for change in mode of disposal of effluent, inclusion of stacks and change in solid waste.

The industry vide reference 4<sup>th</sup> cited, requested for the amendment of the CFO order (reference 2<sup>nd</sup> cited) as per CFE (Amendment) order dated 17.03.2019.

The Board after careful examination of the industry's request, CFE amendment order and recommendation of the CFO committee hereby issue amendment to the CFO & HWA order dt: 09.03.2019 (reference 2<sup>nd</sup> cited), 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 & Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') as follows :

1. The table below "Emissions from Chimneys" at Sl. No. ii, Page No. 1 of CFO & HWA order dt: 09.03.2019, shall be replaced with the following table.

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow
1.	Attached to 10.0 TPH Coal fired boiler	--
	Attached to 10.0 TPH (Standby) Coal fired boiler	
	Attached to 15 Lakh K.Cal Thermic fluid heater	
2.	Attached to 2 X 1000 KVA KVA DG Sets (1 Stand by)	--

2. The quantity of Insulation waste mentioned at Sl. No. iii, Page 2 of CFO & HWA order dt: 09.03.2019, shall be read as “150 kg/month” instead of “50kg/annum”.

All other conditions mentioned in Schedule A, B & C of the combined CFO&HWA order vide reference 2<sup>nd</sup> cited will remain same.

Bandla Siva  
Sankar Prasad

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

To

M/s. Vasudha Pharma Chem Limited, Unit - V,  
Plot No. 24, 24A & 24B, De-Notified Area,  
APSEZ, Lalamkoduru(V), Rambilli (M),  
Visakhapatnam District

Copy to :

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



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D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010  
Phone. No.0866-2463200, Website : www.appcb.ap.nic.in

**RED CATEGORY  
CONSENT & AUTHORIZATION ORDER**

**Consent Order No : APPCB/VSP/VSP/409/HO/CFO/2019-**

09/03/2019

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. Vasudha Pharma Chem Limited, Unit - V,  
Plot No. 24, 24A & 24B, De-Notified Area, APSEZ,  
Lalamkoduru(V), Rambilli (M), Visakhapatnam District  
E-mail: raman72000@gmail.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	Point of Disposal
1.	HTDS	168.0 KLD	The industry shall send the pretreated effluent to MEE of CETP, JN pharmacy, till the CETP Atchutapuram is commissioned.  If the capacity of CETP, JNPC is not sufficient in future, then the permission to send effluents to CETP of JNPC, will be withdrawn.
2.	LTDS	54.0 KLD	
3.	Domestic Effluent	10.0 KLD	Overflow of septic tank shall be sent to CETP along with LTDS effluent.

**ii) Emissions from chimneys:**

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow
1.	Attached to 1 X 10.0 TPH Coal fired boiler	--
2.	Attached to 2 X 1000 KVA KVA DG Sets (1 Stand by)	--

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

M/s. Vasudha Pharma Chem Limited, Unit - V, Plot No. 24, 24A & 24B, De-Notified Area, APSEZ, Lalamkoduru(V), Rambilli (M), Visakhapatnam 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 hazardous waste	Stream	Quantity	Disposal Option	
1.	Process Residues and Distillation Residue	Organic and Bottom	28.1 of Schedule - I	5320 Kgs/day	To the authorized Cement industries for being used as alternate fuel in the kiln (or) TSDF, Parawada for incineration
2.	Spent Carbon		35.3 of Schedule - I	1180 Kgs/day	
3.	Inorganic Residue		28.3 of Schedule - I	2540 kgs/day	To TSDF, Parawada for land filling.
4.	ETP Sludge		35.3 of schedule I	2000 kgs/day	To cement plant for co-processing/TSDF for secured landfill.
5.	PPFRP Waste			20 kg/Annum	TSDF / Authorized recyclers
6.	Insulation Waste			50 kg/Annum	Sent to authorized agencies (or) TSDF, Parawada / Cement Industries

## • HAZARDOUS WASTES WITH RECYCLING OPTION:

S.No	Name of hazardous waste	Stream	Quantity	Method of disposal
1.	Used Oil / Waste Lubrication Oil	5.1 of Schedule - I	1000 Lt/Month	To authorized Re-processors / Recyclers / to the Cement industries to use as alternate fuel in the kiln
2.	Containers & Container Liners	33.1 of Schedule - I	300 No's/Month	To authorized agencies, after complete detoxification for re-use/ recycle.
3.	Glass Bottles / Scrap	33.1 of Schedule - I	50 kgs/month	
4.	HDPE Bags and Polythene Bags		500 nos/month	
7.	Spent Solvents	28.6 of Schedule - I	20.0 TPD	Recovery within the premises / to authorized agency for recovery duly complying with the Standard Operating Procedures (SOPs) issued by the CPCB.
8.	Mixed Spent Solvents	28.6 of schedule I	2.0 TPD	To authorized recovery units / Authorized cement plant for co-processing duly complying with the Standard Operating Procedures (SOPs) issued by the CPCB.

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

S. No	Name of the Product	Capacity in Kg/Day	No. of Stages	Starting Raw material	Quantity in (Kg/Day)
<b>API - Bulk Drugs</b>					
1	Domperidone (DOM)	666.7	2	1-(3-Chloropropyl)-1,3-dihydro-2H-benzimidazole-2-one (DOM-II), (CPDB)	382.7
2	Losartan Potassium (LTP)	600.0	3	4'-Bromomethyl -2-biphenylcarbonitrile	450.0
3	Pantoprazole Sesquihydrate (PZL)	566.7	3	2-(Chlormethyl)-3,4-dimethoxy pyridine(100%)(PZL-700)	378.0
4	Fexofenadine Hydrochloride (FFH)	500.0	3	Methyl 2-(4-(4-chlorobutanoyl) phenyl) methyl propanoate	410.7
5	Diatrizoic acid Dihydrate (DZA)	333.3	3	3,5-Diaminobenzoic acid	148.1
6	Telmisartan (TLS)	266.7	3	4'-(Bromomethyl)-biphenyl-2-carbonitrile (Bromo OTBN)	179.6
7	Cyproheptadine (CYP)	166.7	3	4-Chloro-1-methyl piperidine	140.0
8	Loratadine (LRD)	133.3	2	(8-Chloro-11-(1-methylpiperidin-4-ylidene)-6,11-dihydro-5H-benzo [5, 6] cyclohepta [1,2-b] pyridine) [Methyl Loratadine]	152.5
9	Dextromethorphan Hydrobromide (DBR)	100.0	1	3-Methoxy Morphinan	111.0
10	Domperidone Maleate (DM)	100.0	1	Domperidone	83.3
11	Esomeprazole Magnesium Trihydrate (ES)	100.0	3	2-Chloromethyl-4-methoxy-3, 5-Dimethyl pyridine. HCl	95.7
12	Clopidogrel Bisulphate (CDS)	100.0	4	2-Chloro phenyl glycine	150.1
13	Itopride Hydrochloride (ITP)	83.3	5	N, N-Dimethyl amino ethanol	62.9
14	Flurbiprofen (FBF)	70.0	2	2-Bromo Propionic Acid	87.3
15	Amitriptyline Hydrochloride (AMPT)	56.7	3	1-Bromo-3-Chloropropane (BCP)	75.9
16	Quetiapine fumarate (QHF)	50.0	2	11-piperazin-1-yl dibenzo [b, f] [1,4] thiazepine Dihydrochloride (QHF-600)	50.0
17	Pregabalin (PGN)	33.3	4	Isovaleraldehyde	34.5

18	Omeprazole (OMP)	33.3	2	2-(Chloromethyl)-4-methoxy-3,5-dimethyl pyridine hydrochloride	28.0
19	Lansoprazole (LPZ)	33.3	2	2-(Chloromethyl)-3-methyl-4-(2,2,2-trifluoroethoxy) pyridine hydrochloride	34.8
20	Carvedilol (CDL)	10.0	3	4-Hydroxy Carbazole	16.0
21	Nortriptyline Hydrochloride (NOPT)	6.7	3	5-Hydroxy Amitriptyline (AMPT-I)	10.7
22	Ketorolac Tromethamine (KTT)	6.7	3	Triethyl (5-benzyl-1H-pyrrol-2-yl) methane tricarboxylate (TM-IV)	12.0
<b>API – Bulk Drug Intermediates</b>					
23	N-Methyl-4-piperidone (NMP)	1000.0	3	Methyl Acrylate	1894.0
24	N-Carbethoxy -4-Piperidone (NCP)	766.7	1	N-Methyl-4-Piperidone (NMP)	573.0
25	5-chloro-1,3-dihydro-1-(4-piperidinyl)-2H-benzimidazol-2-one (DOM-IX)	500.0	5	N-carbethoxy-4-piperidone (NCP)	460.8
26	1-(3-chloropropyl)-1,3-dihydro-2H-benzimidazol-2-one (DOM-II)	400.0	2	Ortho phenyldiamine	307.5
27	N-Methyl-4-Chloro Piperidine (NMCP)	366.7	2	N-Methyl-4-Piperidone (NMP)	431.7
28	Dibenzosuberone (DBS)	333.3	4	Phenyl Acetic Acid	446.7
29	2-(Chloromethyl)-3,4-dimethoxypyridine hydrochloride (PZL-700)	300.0	7	Maltol	393.4
30	2-Butyl-1H-imidazole-5-carboxaldehyde (BFI)	166.7	1	2-Butyl-4-chloro-1H-imidazole-5-carboxyldehyde (BCFI-IV)	228.1
31	5-Dibenzosuberone (DDBS)	166.7	1	Dibenzosuberone (DBS)	200.0
32	5-(Difluoromethoxy)-H-benzo [d] imidazole-2-thiol (BZL)	134.0	1	5-(Difluoromethoxy)-1H-Benzo[d] imidazole-2-thiol Crude	140.0
33	3-[2-(3-chlorophenyl) ethyl] pyridine-2-carbonitrile (UK-V)	126.7	1	3-[2-(3-chlorophenyl) ethyl] pyridine] (UK -III)	157.2
34	N-Benzyl-4-Piperidone (NBP-III)	116.7	3	Benzaldehyde	95.0
35	{3-[2-(3-chlorophenyl) ethyl] pyridin-2-yl} (1-methylpiperidin-4-yl) methanone hydrochloride (UK-VI)	83.3	2	3-[2-(3-chlorophenyl) ethyl] pyridine] (UK-III)	75.1
36	1- (Diphenyl methyl) piperazine (DPMP)	83.3	3	Benzhydrol (Diphenyl Methanol)	81.3

37	Fexofenadine Base	66.7	3	Methyl 2-(4-(4-chlorobutanoyl) phenyl) methyl propanoate	57.8
38	N,N-Dimethyl Amino Propyl Chloride (DAPC-I)	66.7	1	1-Bromo-3-Chloropropane (BCP)	112.0
39	4-Bromo-2,2-Diphenylbutanoic acid (LPD-III)	66.7	3	Diphenyl Acetonitrile	50.0
40	8-chloro-11-(1-methylpiperidin-4-ylidene)-6,11-dihydro-5H-benzo [5,6] cyclohepta[1,2-b] pyridine (UK-VII)	50.0	3	3-[2-(3-chlorophenyl) ethyl] pyridine] (UK-III)	63.3
41	N, N- Dimethyl (Tetra Hydro – 3, 3- Diphenyl)- 2- Furliden Ammonium Bromide (LPD-V)	43.3	1	4-Bromo-2, 2-diphenyl butanoic acid (LPD-III)	66.7
42	1-[bis(4-fluorophenyl) methyl] piperazine (FLH-III)	41.7	3	4,4-Di fluoro benzophenone	46.0
43	4-(4-Chlorophenyl) 4- Hydroxy Piperidine (PCP-II)	40.0	2	N-Carbethoxy-4- Piperidone (NCP)	53.3
44	2-Butyl -4-chloro-1H-imidazole -5-carbaldehyde (BCFI)	34.0	1	2-Butyl-4-chloro-1H-imidazole-5-carboxyldehyde (BCFI-IV)	35.0
45	8-Chloro-5, 6-Dihydro-11H- Benzo [5, 6] Cyclohepta [1, 2-B] Pyridin-11-One (Lora Ketone)- LKT	33.3	3	3-[2-(3-chlorophenyl) ethyl] pyridine] (UK-III)	54.1
46	1-(4-Tert-Butylphenyl)-4-Chlorobutan-1-One (EB-IV)	21.7	1	4-Chloro-butyl- chloride (4CBC)	17.5
47	4-Hydroxy Piperidine (4HP)	20.0	2	N-Carbethoxy-4- Pipertdone (NCP)	39.6
48	4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2-[triphenylmethyl]-1H-tetrazole-5-yl] [1,1biphenyl]-4-yl] methyl] 1H-imidazol-5-carboxylic acid ethyl ester (OMI)	16.7	1	1-H-Imidazole-5-carboxylic acid 4-(1-hydroxy-1-methyl ethyl) -2-propyl –ethyl ester (OMI-101)	5.7
49	Methyl Loratadine (ML)	11.7	4	3-[2-(3-chlorophenyl) ethyl] pyridine] (UK-III)	18.4
50	2- [4-(amino methyl) phenoxy]- N, N-dimethyl ethanamine (ITP-300)	10.7	3	N, N-Dimethyl amino ethanol	12.0
51	Triethyl Methanetricarboxylate(TM-III)	10.0	1	Diethyl malonate	10.7
52	N-Methyl – 4-Hydroxy Piperidine (NMHP)	8.3	1	N-Methyl-4-Piperidone (NMP)	8.3
53	1-(2-phenylethyl) piperidin-4-one (PEP-III)	8.3	4	2-Phenylethanamine	8.7
54	Penta Fluoro LAP side chain	6.7	2	Penta fluorophenol	4.2

	(PPL)				
55	Phenyl (1H-pyrrol-2-yl) methanone (TM-II)	6.7	2	Benzoyl chloride	5.8
56	Triethyl [5-Benzoyl-1h Pyrrol-2yl] Methane Tri Carboxylate (TM-IV)	6.7	4	Benzoyl chloride	4.1
57	N-carboethoxy-4-Hydroxy piperidine (4HNCP)	6.7	1	N-Carbethoxy-4-Pipertdone (NCP)	7.0
58	4-Amino-5-Chloro-2-Methoxy-N-(3-Methoxypiperidin-4yl) Benzamide (CIS-VI)	4.3	6	Ethyl -4-oxopiperidine-1-carboxylate (NCP)	8.0
59	Piperidone Derivatives	100.0	-	--	
60	Validation Products	100.0	-	--	-
	<b>TOTAL</b>	<b>9341.3</b>			

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 31<sup>st</sup> day of January, 2022.

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Date: 2019.03.11 10:54:14 +05'30'

**BANDLA SIVA SANKARA PRASAD**  
CHAIRMAN

To

**M/s. Vasudha Pharma Chem Limited, Unit - V,  
Plot No. 24, 24A & 24B, De-Notified Area, APSEZ,  
Lalamkoduru (V), Rambilli (M), Visakhapatnam District**

Copy to :

1. The JCEE, Zonal Office, Visakhapatnam for information and necessary action.
2. The Environmental Engineer, Regional Office, Visakhapatnam 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. 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 H&OW (M&TM) 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 & 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.
8. 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**

1. The industry shall send the pretreated effluent to CETP, JN Pharmacy, till the CETP Atchutapuram is commissioned. If the capacity of CETP, JNPC is not sufficient in future, then the permission to send effluents to CETP of JNPC, will be withdrawn.

**WATER POLLUTION:**

2. The source of water is APIC Supply. The following is the permitted water consumption:

Sl.No.	Purpose	Quantity (KLD)
1	Process	144.0
2	Washings (Reactor & Floor washings)	10.0
3	Scrubber	10.0
4	R&D, QC	4.0
5	DM Plant Regeneration	0.0
6	Boiler Feed	50.0
7	Cooling Towers Makeup	50.0
8	Domestic	12.0
9	Gardening	15.0
	<b>TOTAL</b>	<b>295.0</b>

3. Digital flow meters with totalizers with necessary pipelines shall be provided so as to assess the water used for different purposes and maintain them properly and also maintain the records of the readings.
4. The LTDS effluents sent to CETP, Pharmacy shall not contain constituents in excess of the tolerance limits mentioned below, as per their MoU with M/s Ramky Pharma City.

Outlet	Parameter	Concentration in mg/l
2	pH	6.50 - 8.50
	Temperature °C	< 45°C
	TDS	12,000 mg/l
	TSS	600 mg/l
	BOD	3,000 mg/l
	COD	8,000 mg/l
	Oil and Grease	20 mg/l
	Chromium Hexavalent (as Cr+6)	2 mg/l
	Chromium ( total ) (as Cr)	2 mg/l
	Ammonical Nitrogen (as N)	30 mg/l
	Cyanide (as CN)	0.20 mg/l
	Lead (as Pb)	1 mg/l
	Nickel (as Ni)	3 mg/l
	Zinc (as Zn)	15 mg/l
	Arsenic (as As)	0.20 mg/l
Mercury (as Hg)	0.01 mg/l	

The industry shall segregate the HTDS and LTDS effluent streams and the effluents which are not meeting the above standards shall be treated as HTDS effluents and shall be sent CETP of Pharmacy for evaporation.

5. The industry shall install and maintain Electro Magnetic flow meters with totalisers for effluent quantity measurement for HTDS & LTDS effluent immediately. The industry shall provide and maintain web camera and flow meters immediately. The data shall be connected to the APPCB & CPCB servers before starting the operations.
6. The LTDS and HTDS effluents shall be stored in above ground level collection tanks separately.
7. 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.
8. The industry shall provide and maintain rainwater runoff tank for collection and storage of first flush storm water for first 15 minutes of rain by end of April-2019 as committed by the industry vide letter dt: 28.02.2019. The industry shall maintain dry condition outside drains in non-rainy season.
9. 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.
10. 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.
11. The industry shall maintain proper manifest system for effluent

transported to CETP. They shall submit monthly reports to the E.E., RO-Visakhapatnam.

- 12.The industry shall submit the details of quantity of High TDS and Low TDS effluents sent to CETP of Pharmacy every month to the RO, Visakhapatnam.

**AIR POLLUTION:**

- 13.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 <sup>3</sup>

- 14.The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10 microns) - 100 micro gram/ m<sup>3</sup>; PM2.5 (Particulate Matter size less than 2.5 microns) - 60 micro gram/ m<sup>3</sup>; SO<sub>2</sub> - 80 micro gram/ m<sup>3</sup>; NO<sub>x</sub> - 80 micro gram/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)

- 15.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.
- 16.The industry shall provide multi-stage scrubbers to the process vents to control the process emissions. The industry shall provide & maintain online pH measuring facility with auto recording system to the scrubbers by end of April-2019 as committed by the industry vide letter dt: 28.02.2019.
- 17.The industry shall maintain multistage scrubbers along with on line pH meters.
- 18.The industry shall maintain auto recording system to the online pH measuring facility of the scrubber and report compliance to Regional Office, Visakhapatnam. Scrubber solution shall be recycled as far as possible and finally sent to CETP of Pharmacy for further treatment.
- 19.The industry shall maintain online VOC analyzer and the monitoring records shall be submitted to the RO-Visakhapatnam.
- 20.The evaporation losses in solvents shall be controlled by taking suitable measures, which include:
- Chilled brine circulation to effectively reduce the solvent losses into the atmosphere.
  - Transfer of solvents by using pumps and closed conveyance instead of manual handling.
  - Closed centrifuges be used due to which solvent losses are reduced drastically.
  - The reactor vents connected with primary & secondary condensers to catch the solvent vapours.
  - All the solvent storage tanks are connected with vent condensers to prevent solvent vapours.
- 21.The industry shall not use odour causing substances such as Mercaptan or cause odour nuisance in the surroundings.

**Solid Waste:**

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

S.No.	Name of the Solid Waste	Quantity	Disposal
1.	Boiler ash	9400 Kgs/day	To brick manufacturers

**GENERAL:**

- 23.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.
- 24.The industry shall dispose the spent solvents / mixed spent solvents to APPCB authorized recyclers / recover within the premises.
- 25.The industry shall enter into 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.
- 26.The industry shall transport the hazardous waste to cement industries through GPS vehicle.
- 27.The industry shall not manufacture any product, other than those mentioned in this order.
- 28.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 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.
- 29.The industry shall submit AAQ monitoring reports conducted by authorised agency every month.
- 30.The industry shall develop green belt in the remaining area of 4898 Sq. M so as to achieve 22 % greenery by end of June-2019.
- 31.Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.

**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. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. An application for the renewal of an authorisation shall be made as laid down under these Rules.
12. 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.
13. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
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 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.
17. 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.

**The industry 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, Vijayawada and concerned Regional Office.**

Digitally signed by Bandla Siva  
Sankar Prasad  
Date: 2019.03.11 10:54:50 +05'30'

**BANDLA SIVA SANKARA PRASAD**  
CHAIRMAN

To  
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